

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\
 Data File : VX008507.D
 Acq On : 28 Mar 2019 09:58
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 10:51:33 AM

Quant Time: Mar 29 01:52:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	354163	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	319329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159238	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	159273	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
35) Dibromofluoromethane	5.49	113	118723	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	8.71	98	481169	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.13	95	183782	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	116162	45.643	ug/l	98
3) Chloromethane	1.32	50	153109	47.642	ug/l	99
4) Vinyl Chloride	1.40	62	159693	44.940	ug/l	98
5) Bromomethane	1.64	94	83445	44.932	ug/l	99
6) Chloroethane	1.71	64	97130	46.141	ug/l	100
7) Trichlorofluoromethane	1.92	101	183700	45.646	ug/l	97
8) Diethyl Ether	2.18	74	87240	45.805	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	118553	48.743	ug/l	99
10) Methyl Iodide	2.51	142	122778	51.725	ug/l	99
11) Tert butyl alcohol	3.05	59	167370	230.788	ug/l	99
12) 1,1-Dichloroethene	2.37	96	116136	46.235	ug/l	98
13) Acrolein	2.29	56	123125	233.792	ug/l	99
14) Allyl chloride	2.72	41	266314	48.124	ug/l	99
15) Acrylonitrile	3.14	53	434518	228.498	ug/l	100
16) Acetone	2.44	43	445849	260.613	ug/l	98
17) Carbon Disulfide	2.57	76	349610	48.500	ug/l	99
18) Methyl Acetate	2.77	43	190085	46.263	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	440279	48.640	ug/l	99
20) Methylene Chloride	2.85	84	140211	50.220	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	125746	50.241	ug/l	97
22) Diisopropyl ether	3.85	45	523127	48.009	ug/l	94
23) Vinyl Acetate	3.81	43	2327982	244.882	ug/l	99
24) 1,1-Dichloroethane	3.69	63	261499	47.536	ug/l	100
25) 2-Butanone	4.67	43	662091	241.403	ug/l	99
26) 2,2-Dichloropropane	4.58	77	188958	51.643	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	146825	47.801	ug/l	99
28) Bromochloromethane	5.01	49	134056	49.325	ug/l	100
29) Tetrahydrofuran	5.12	42	407372	225.364	ug/l	100
30) Chloroform	5.21	83	236174	47.572	ug/l	99
31) Cyclohexane	5.57	56	255765	48.748	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	194860	49.104	ug/l	100
36) 1,1-Dichloropropene	5.79	75	188074	49.806	ug/l	99
37) Ethyl Acetate	4.83	43	241467	49.360	ug/l	99
38) Carbon Tetrachloride	5.78	117	162614	51.602	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	242163	53.661	ug/l	99
40) Benzene	6.14	78	563512	49.847	ug/l	100
41) Methacrylonitrile	5.04	41	137685	50.083	ug/l	99
42) 1,2-Dichloroethane	6.19	62	201440	48.668	ug/l	99
43) Isopropyl Acetate	6.44	43	393606	50.303	ug/l	100
44) Trichloroethene	7.21	130	133053	50.126	ug/l	98
45) 1,2-Dichloropropane	7.51	63	161127	50.144	ug/l	100
46) Dibromomethane	7.66	93	91990	49.025	ug/l	99
47) Bromodichloromethane	7.90	83	187266	52.141	ug/l	98
48) Methyl methacrylate	7.77	41	199050	50.841	ug/l	99
49) 1,4-Dioxane	7.74	88	73091	938.908	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1279069	251.676	ug/l	100
52) Toluene	8.78	92	344692	50.994	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	217267	55.230	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	240212	53.699	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	138310	50.266	ug/l	99
56) Ethyl methacrylate	9.18	69	259445	52.235	ug/l	100
57) 1,3-Dichloropropane	9.37	76	244880	49.638	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	625764	243.731	ug/l	100
59) 2-Hexanone	9.49	43	1029151	261.340	ug/l	100
60) Dibromochloromethane	9.58	129	138613	52.970	ug/l	99
61) 1,2-Dibromoethane	9.67	107	140828	50.152	ug/l	99
64) Tetrachloroethene	9.34	164	110636	51.176	ug/l	97
65) Chlorobenzene	10.13	112	355263	51.158	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	125273	52.286	ug/l	99
67) Ethyl Benzene	10.25	91	675409	51.534	ug/l	100
68) m/p-Xylenes	10.36	106	494269	103.665	ug/l	99
69) o-Xylene	10.69	106	236953	51.211	ug/l	99
70) Styrene	10.71	104	422699	52.887	ug/l	100
71) Bromoform	10.85	173	102656	54.255	ug/l	100
73) Isopropylbenzene	11.02	105	643024	49.636	ug/l	99
74) N-amyl acetate	10.90	43	376904	50.265	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	234616	46.677	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	201754m	42.618	ug/l	
77) Bromobenzene	11.26	156	152842	48.612	ug/l	99
78) n-propylbenzene	11.36	91	774247	51.019	ug/l	100
79) 2-Chlorotoluene	11.42	91	452219	48.992	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	545985	49.851	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	79638	53.880	ug/l	99
82) 4-Chlorotoluene	11.51	91	530910	49.864	ug/l	99
83) tert-Butylbenzene	11.77	119	525573	49.738	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	555399	50.137	ug/l	99
85) sec-Butylbenzene	11.94	105	641771	51.001	ug/l	100
86) p-Isopropyltoluene	12.06	119	578328	52.085	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	282086	50.214	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	283948	50.084	ug/l	99
89) n-Butylbenzene	12.38	91	568560	54.054	ug/l	100
90) Hexachloroethane	12.59	117	97230	52.562	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	279380	49.662	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50426	46.010	ug/l	98

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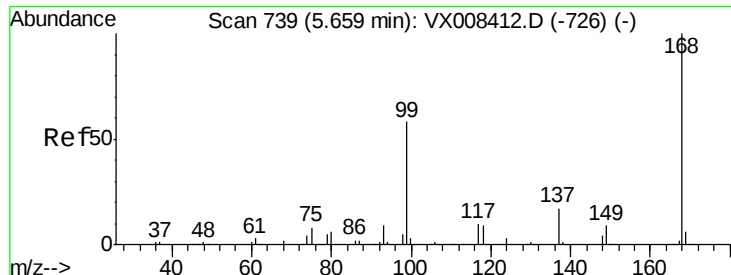
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	200874	53.036	ug/l	100
94) Hexachlorobutadiene	13.78	225	97514	54.222	ug/l	99
95) Naphthalene	13.83	128	642763	49.500	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	194505	51.106	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 215909

Ion Ratio Lower Upper

168 100

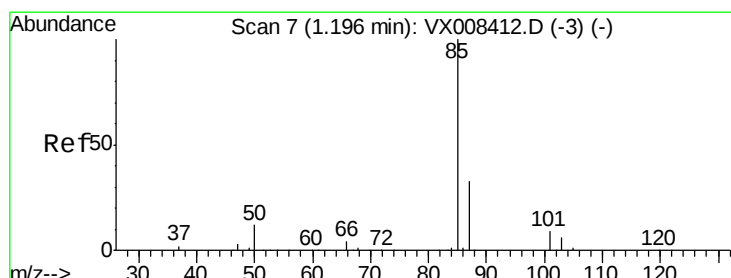
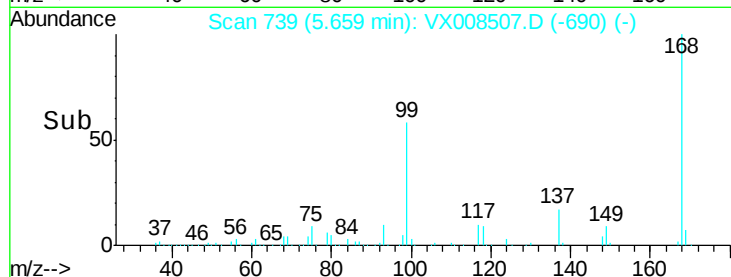
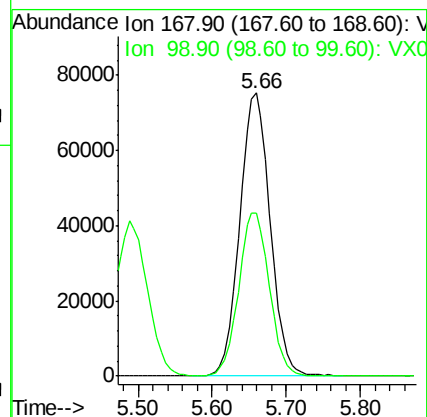
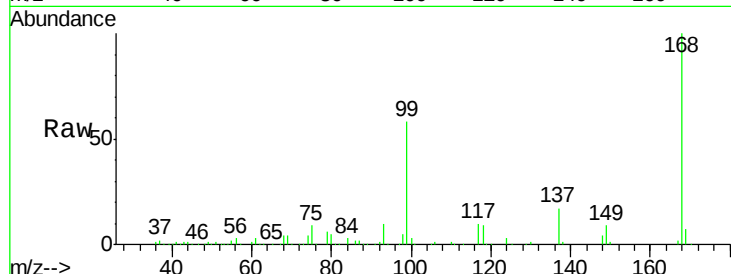
99 57.4 46.0 69.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.643 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008507.D

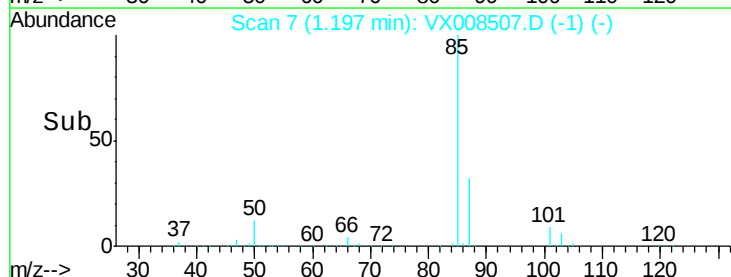
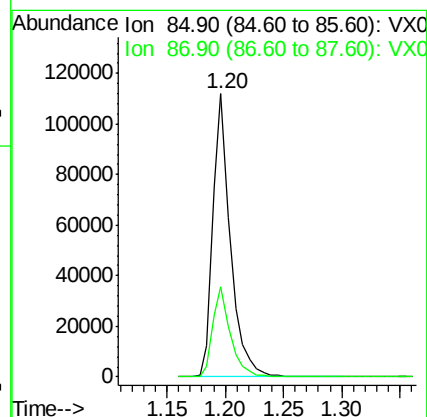
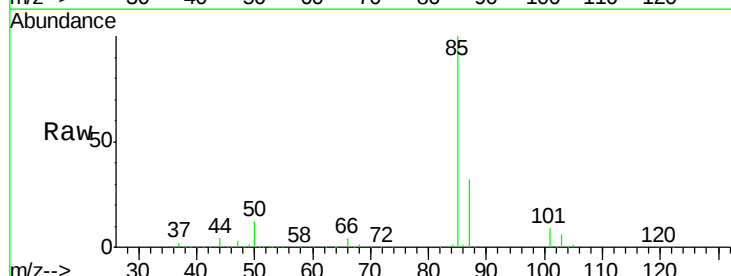
Acq: 28 Mar 2019 09:58

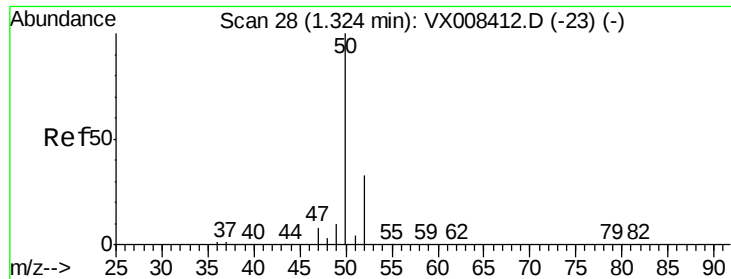
Tgt Ion: 85 Resp: 116162

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1





#3

Chloromethane

Concen: 47.642 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 153109

Ion Ratio Lower Upper

50 100

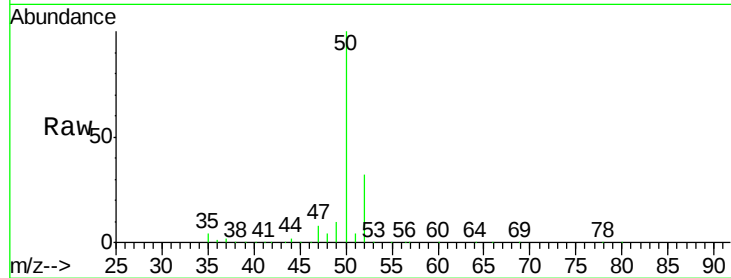
52 32.3 26.2 39.2

Manual Integrations

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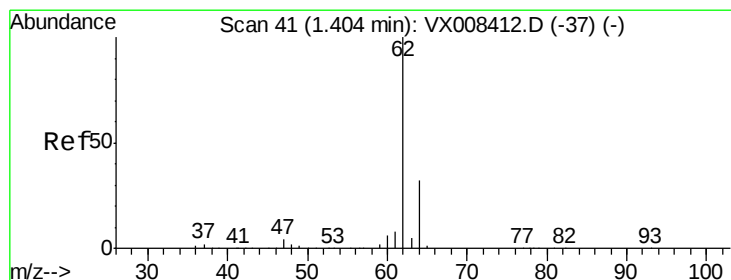
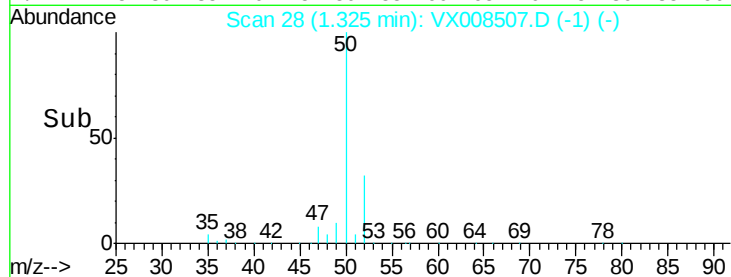
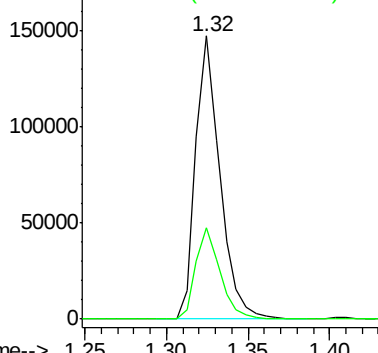
MMDadoda

3/29/2019 10:51:33 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.940 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008507.D

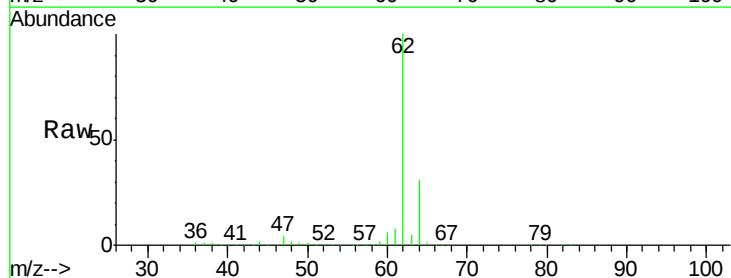
Acq: 28 Mar 2019 09:58

Tgt Ion: 62 Resp: 159693

Ion Ratio Lower Upper

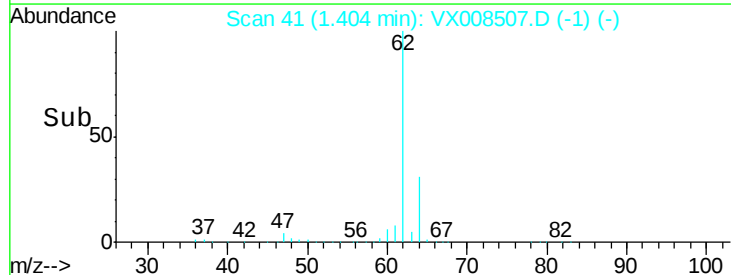
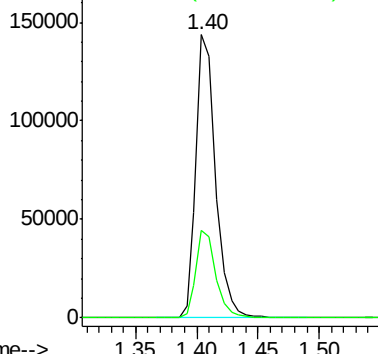
62 100

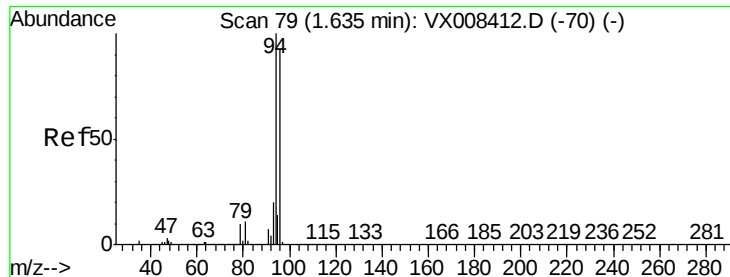
64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.932 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 83445

Ion Ratio Lower Upper

94 100

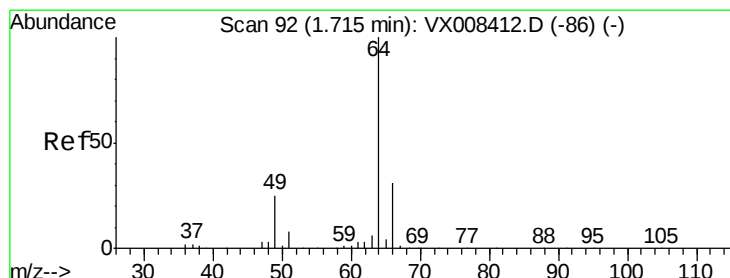
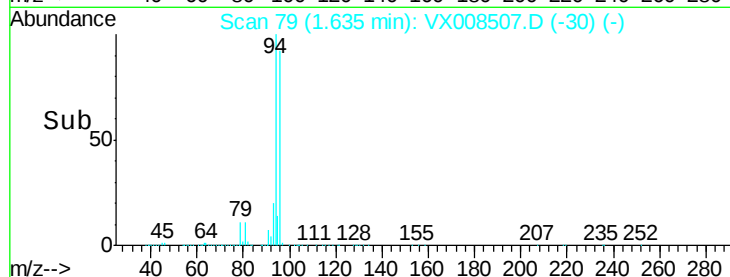
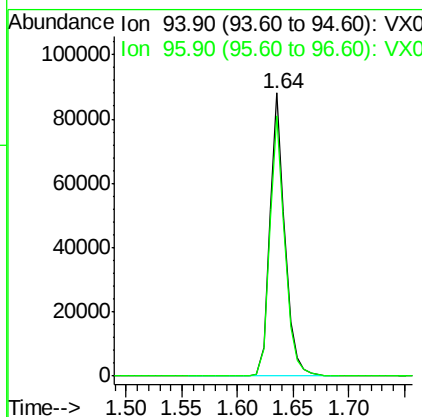
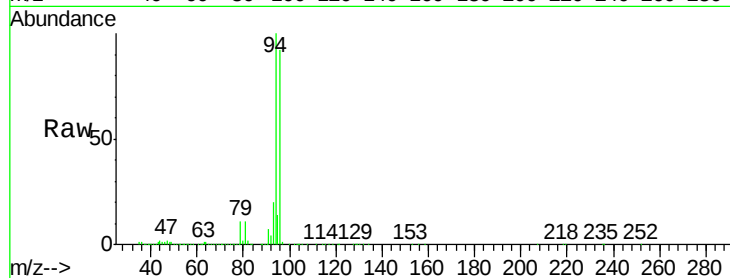
96 92.2 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 46.141 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008507.D

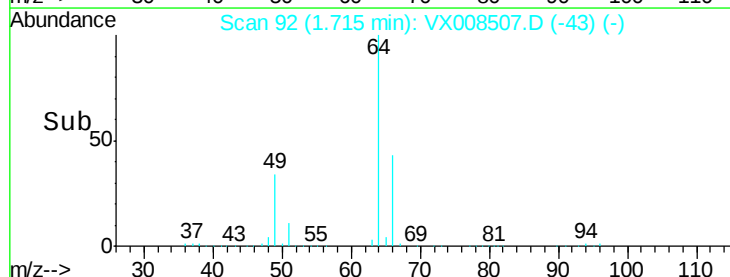
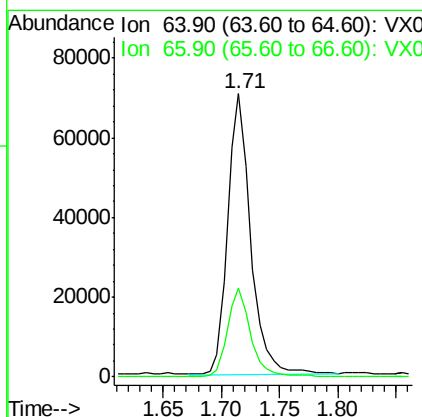
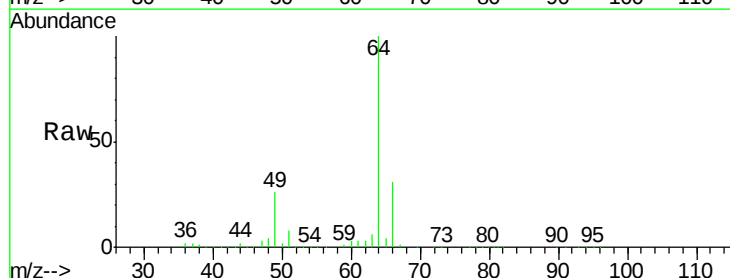
Acq: 28 Mar 2019 09:58

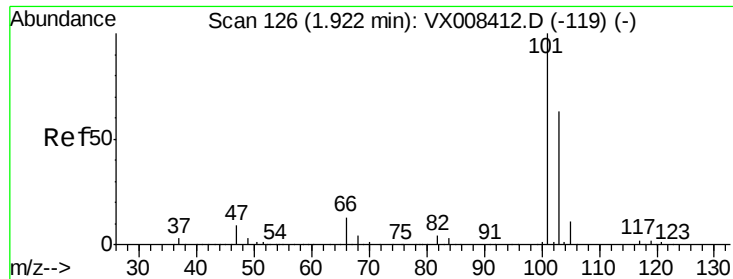
Tgt Ion: 64 Resp: 97130

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

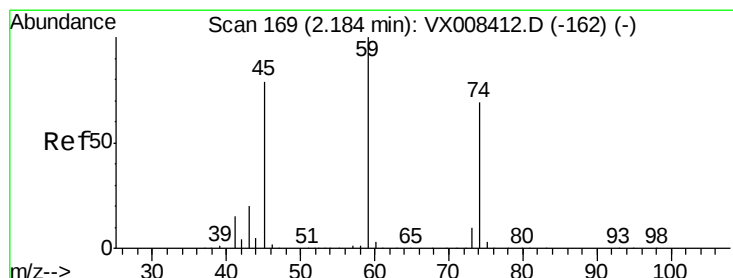
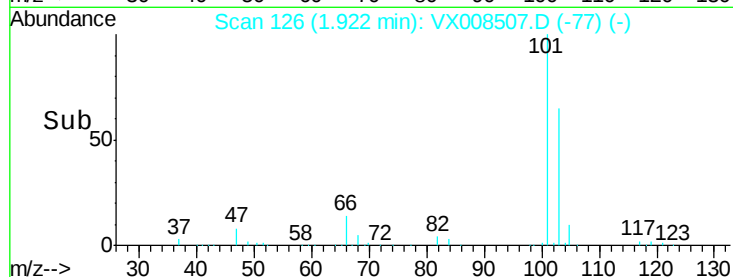
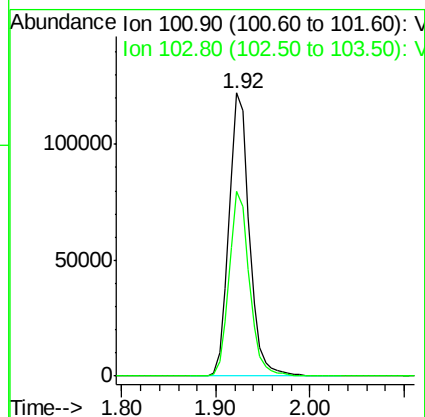
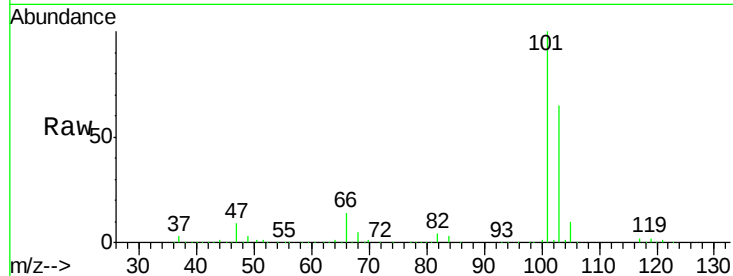
Trichlorofluoromethane
Concen: 45.646 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 183700
Ion Ratio Lower Upper
101 100
103 65.1 50.2 75.4

Manual Integrations
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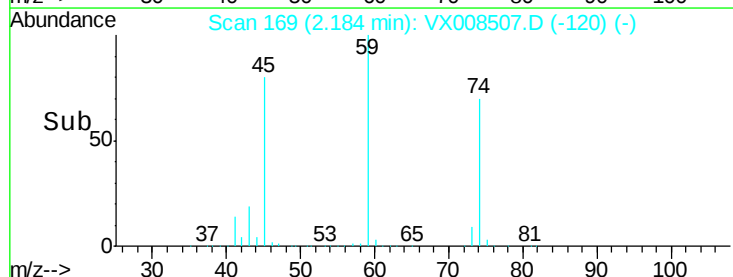
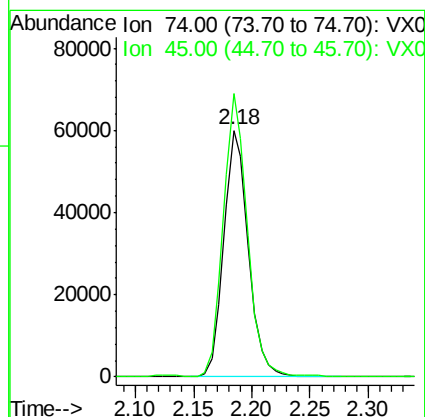
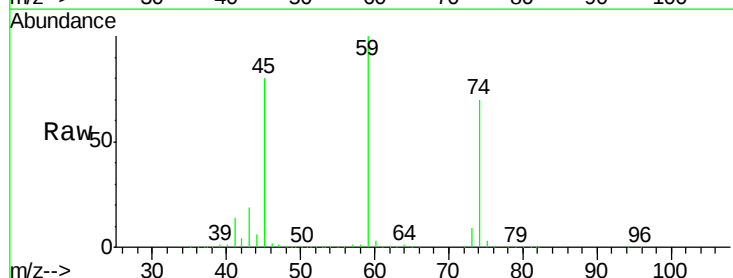
MMDadoda
3/29/2019 10:51:33 AM

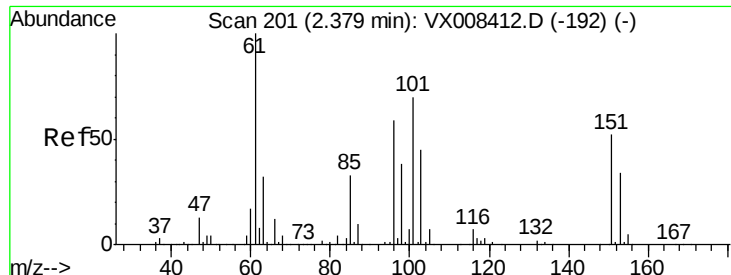


#8

Diethyl Ether
Concen: 45.805 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion: 74 Resp: 87240
Ion Ratio Lower Upper
74 100
45 112.5 56.4 169.2





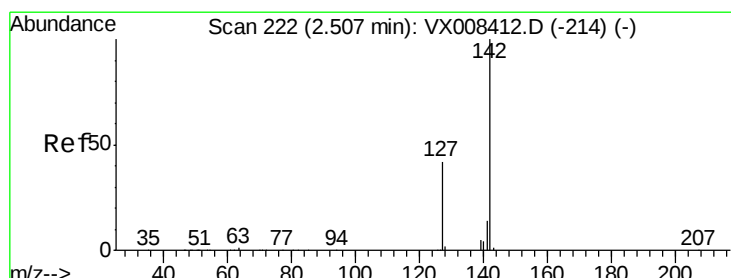
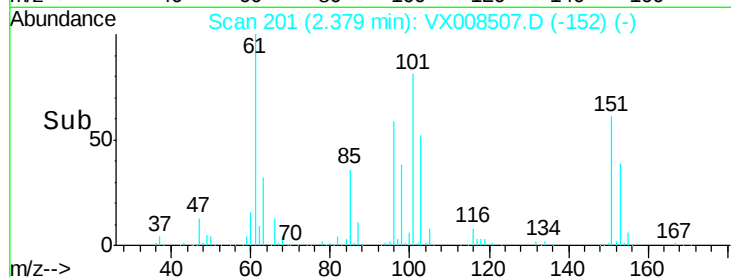
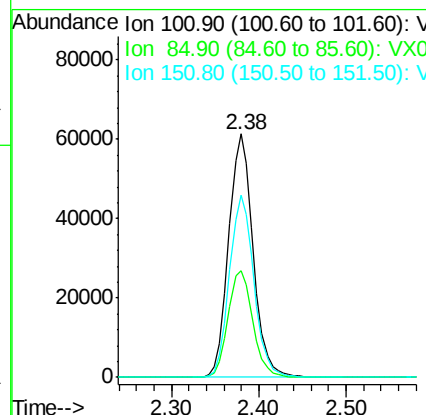
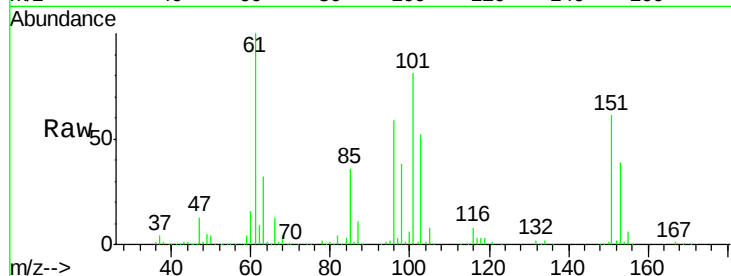
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.743 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	118553		
85	44.6	36.0	54.0	
151	75.1	59.2	88.8	

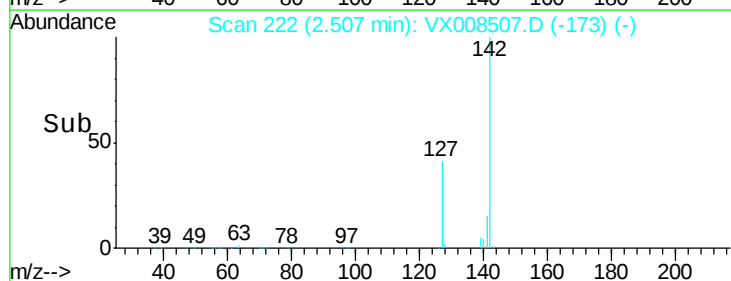
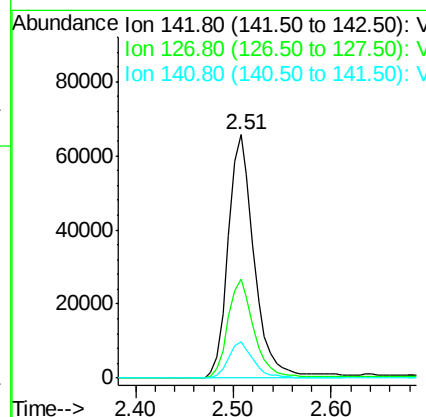
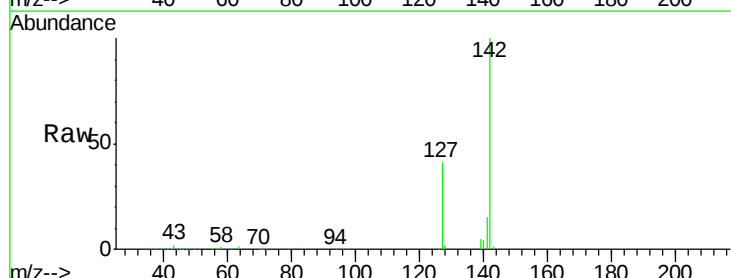
Manual Integrations
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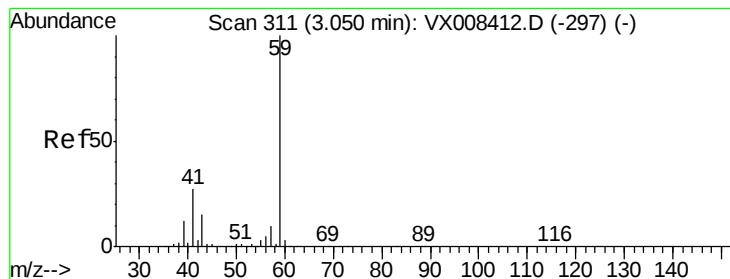
MMDadoda
3/29/2019 10:51:33 AM



#10
Methyl Iodide
Concen: 51.725 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	122778		
127	40.9	33.6	50.4	
141	14.3	11.3	16.9	





#11

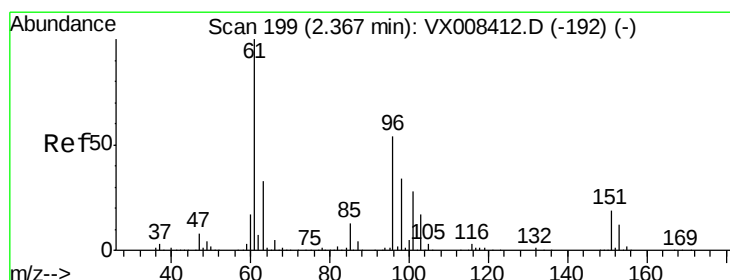
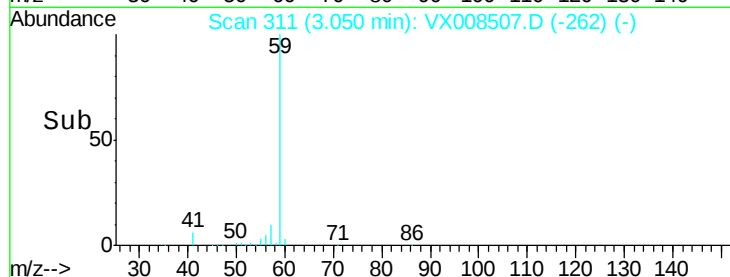
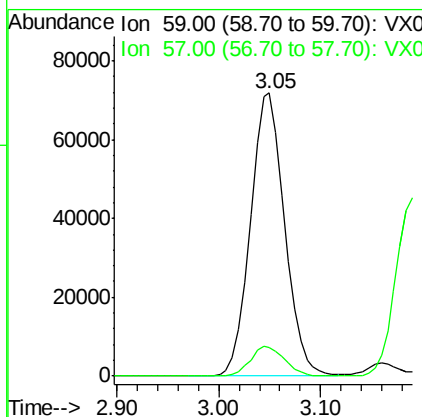
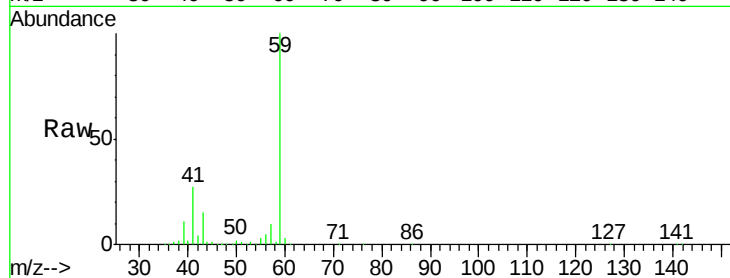
Tert butyl alcohol
Concen: 230.788 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.6	Resp	167370	Lower	8.2	Upper	12.4

Manual Integrations
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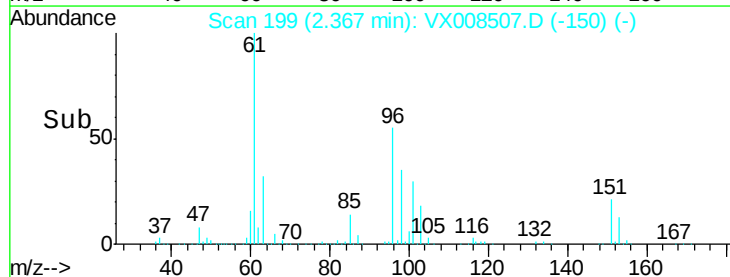
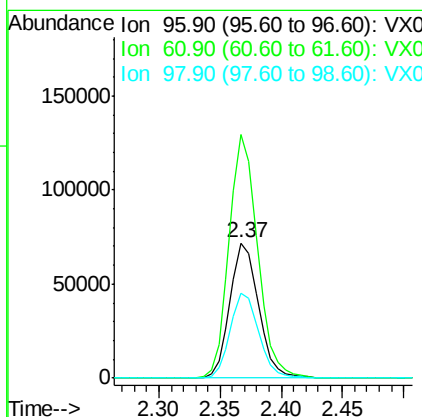
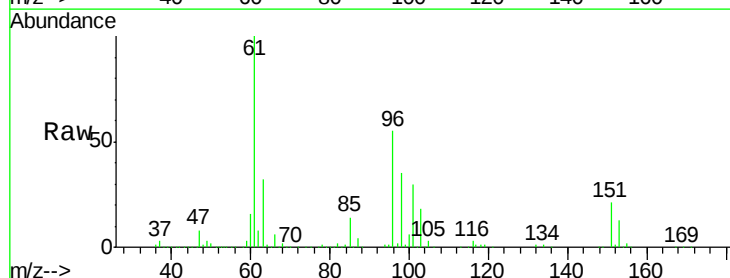
MMDadoda
3/29/2019 10:51:33 AM

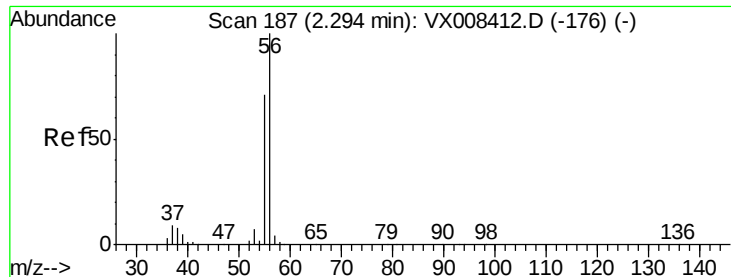


#12

1,1-Dichloroethene
Concen: 46.235 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion	96	61	98	Ratio	100	180.5	62.9	Resp	116136	Lower	146.9	Upper	220.3	75.1





#13

Acrolein

Concen: 233.792 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 123125

Ion Ratio Lower Upper

56 100

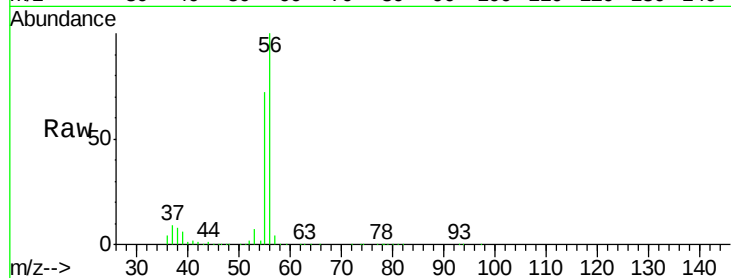
55 71.1 56.5 84.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

80000

60000

40000

20000

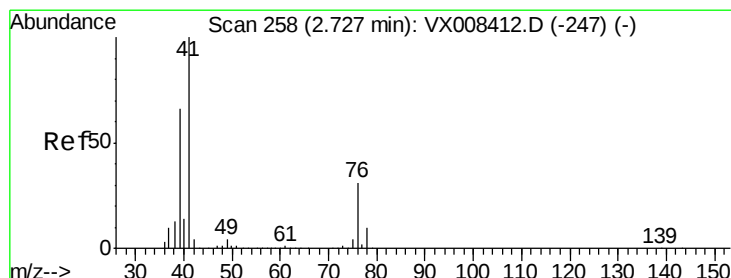
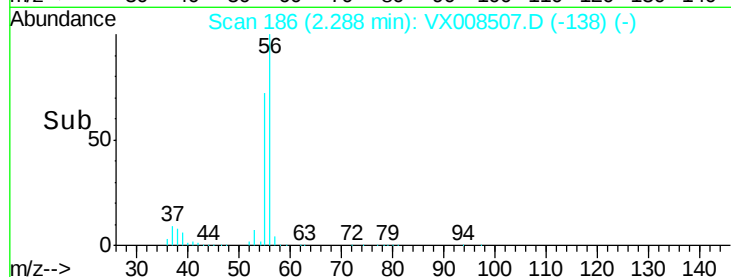
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 48.124 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

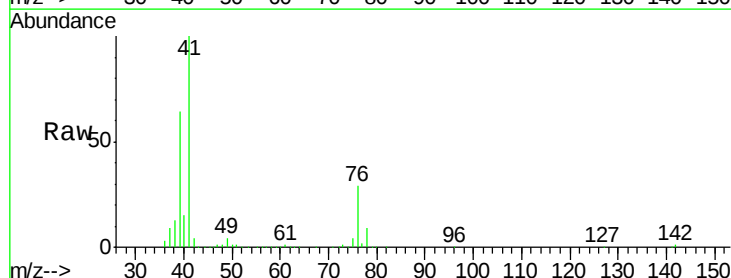
Tgt Ion: 41 Resp: 266314

Ion Ratio Lower Upper

41 100

39 61.1 49.6 74.4

76 28.2 22.6 34.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

250000

200000

150000

100000

50000

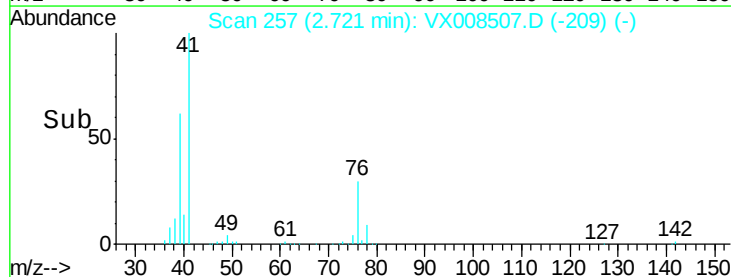
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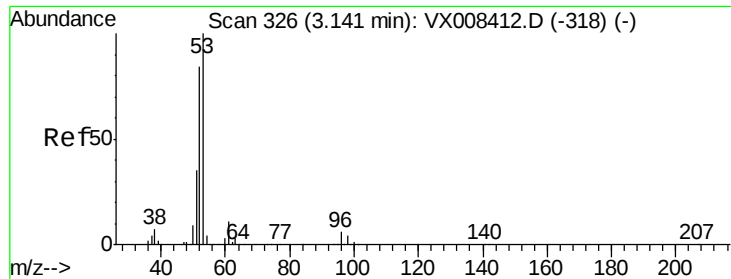
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 228.498 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

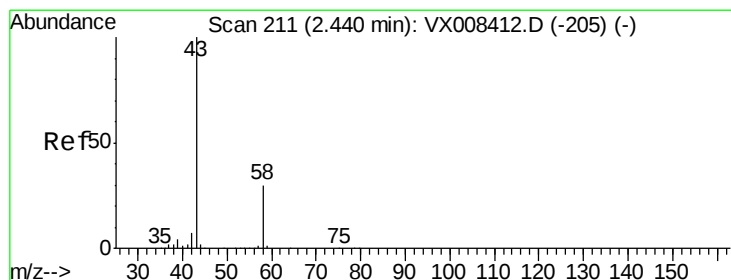
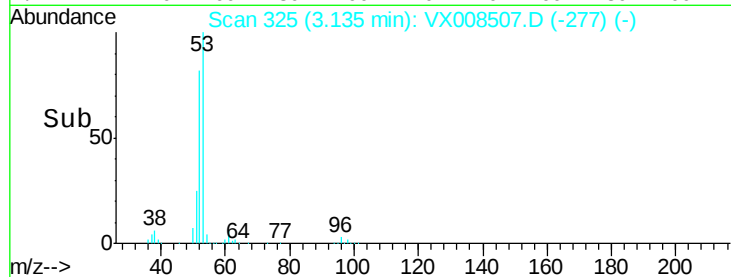
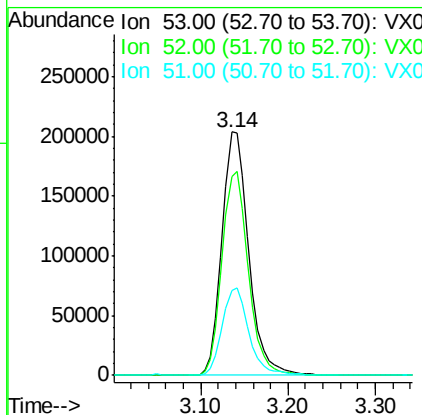
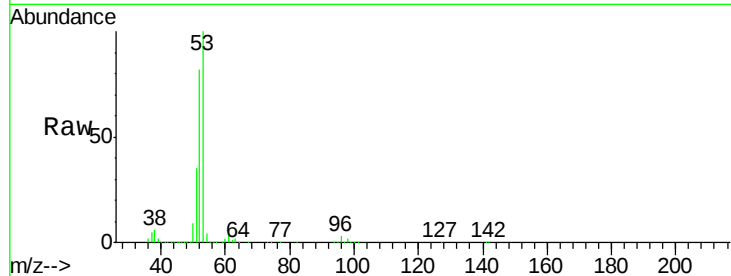
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	434518
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.5	99.7
51	35.7	28.3	42.5

Manual Integrations
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3/29/2019 10:51:33 AM



#16

Acetone

Concen: 260.613 ug/l

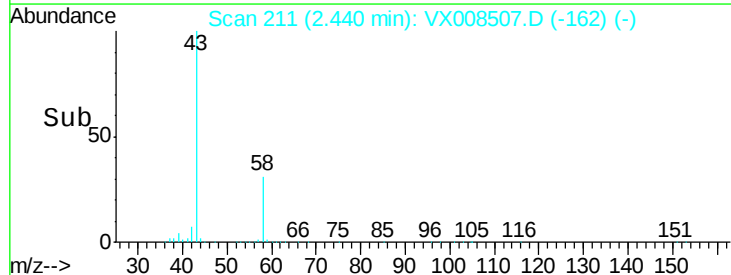
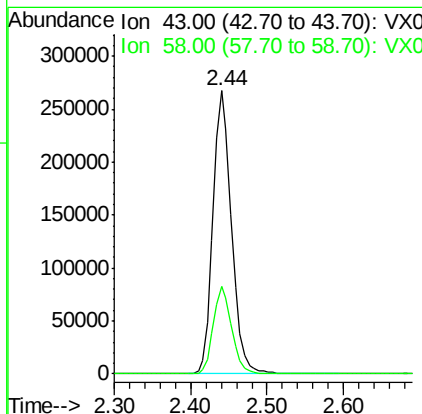
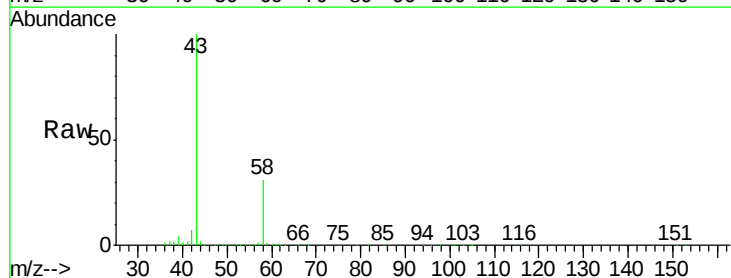
RT: 2.44 min Scan# 211

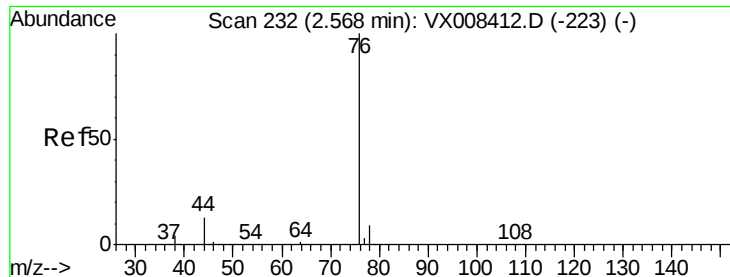
Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Tgt Ion:	43	Resp:	445849
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.2	36.2





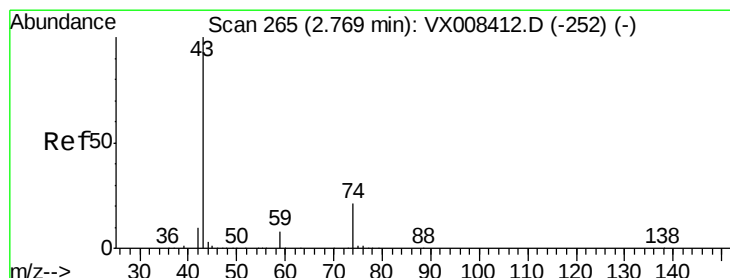
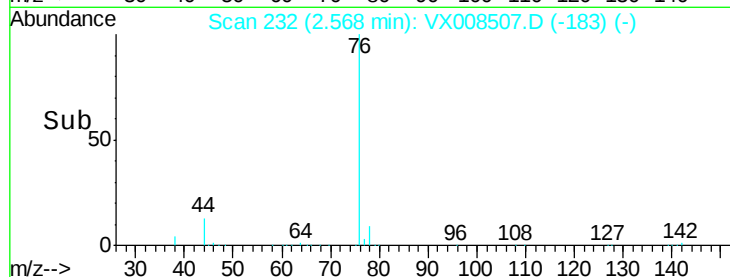
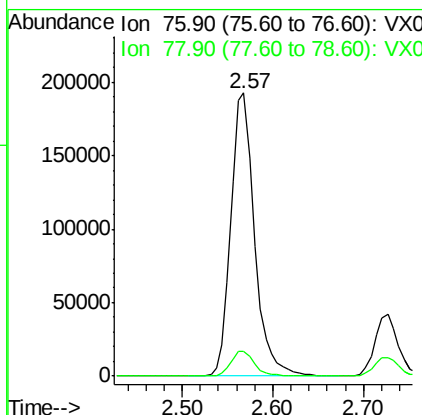
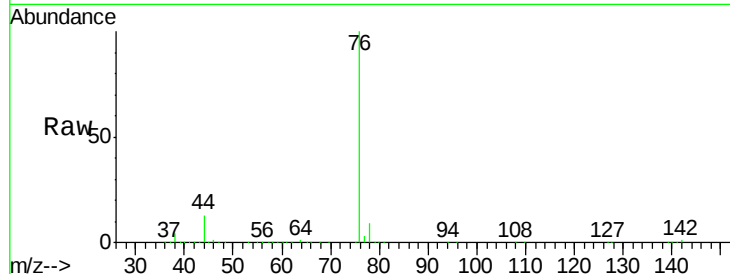
#17
Carbon Disulfide
Concen: 48.500 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

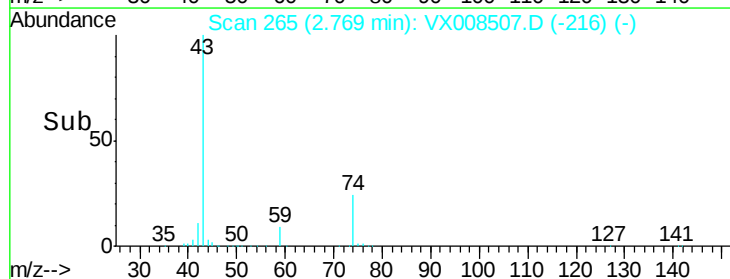
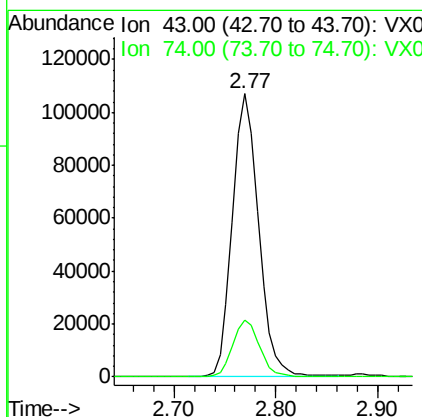
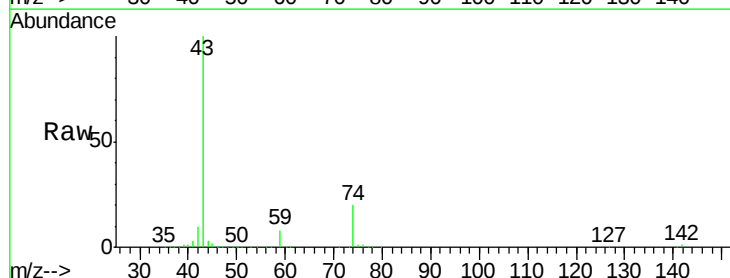
Manual Integrations
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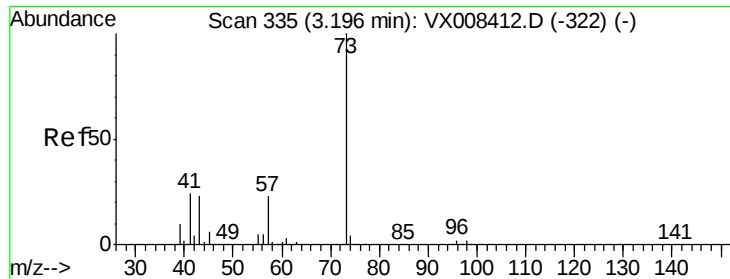
MMDadoda
3/29/2019 10:51:33 AM



#18
Methyl Acetate
Concen: 46.263 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.7	25.1





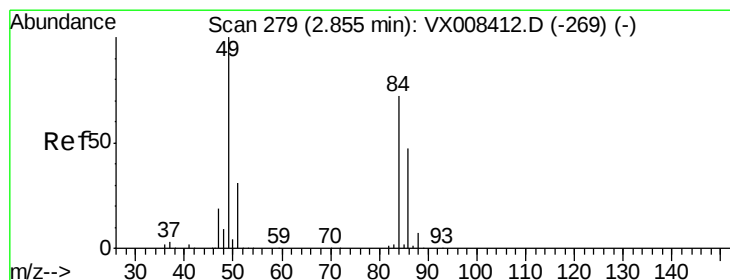
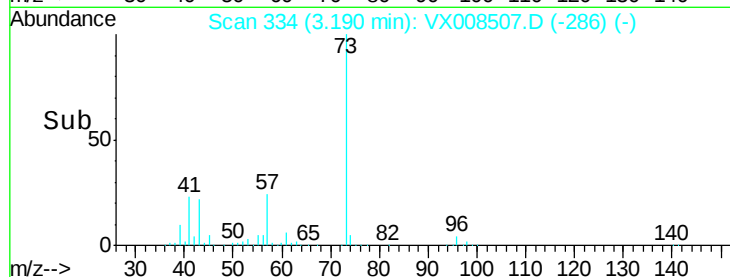
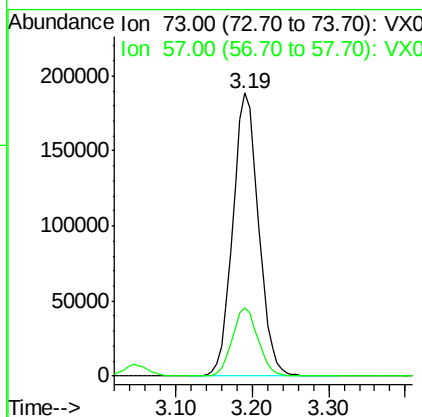
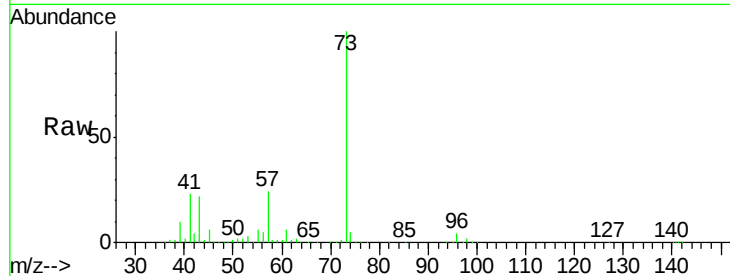
#19
Methvl tert-butvl Ether
Concen: 48.640 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 440279
Ion Ratio Lower Upper
73 100
57 23.9 18.6 28.0

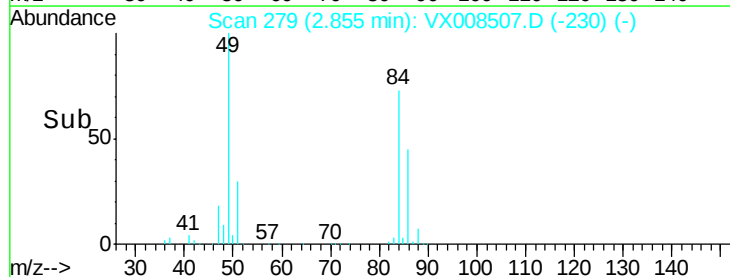
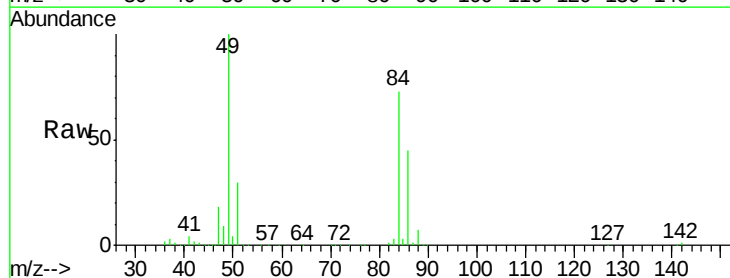
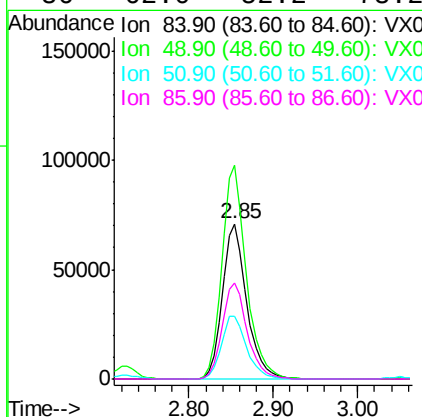
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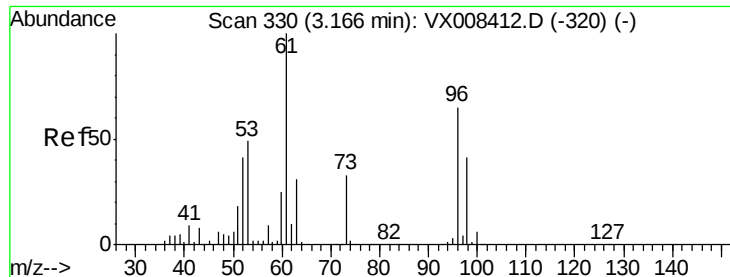
MMDadoda
3/29/2019 10:51:33 AM



#20
Methylene Chloride
Concen: 50.220 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion: 84 Resp: 140211
Ion Ratio Lower Upper
84 100
49 137.3 110.6 165.8
51 40.8 33.9 50.9
86 62.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 50.241 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 125746

Ion Ratio Lower Upper

96 100

61 157.1 122.6 184.0

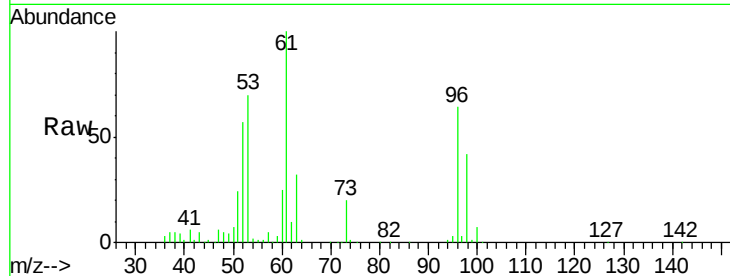
98 65.4 50.9 76.3

Manual Integrations

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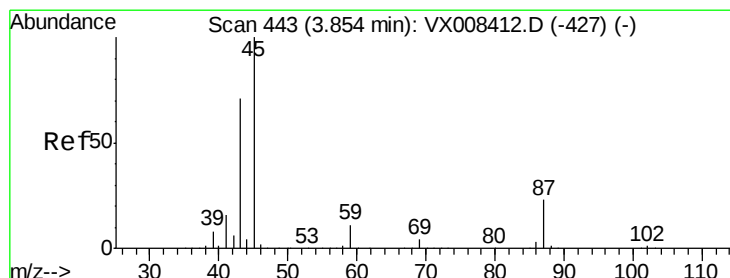
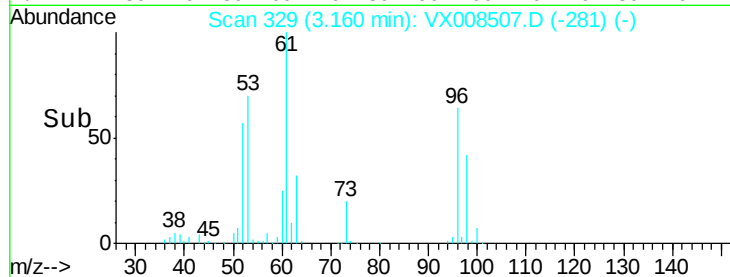
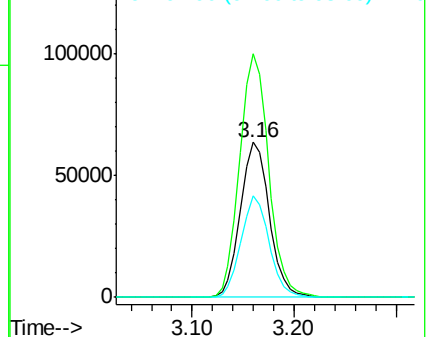
3/29/2019 10:51:33 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.009 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Tgt Ion: 45 Resp: 523127

Ion Ratio Lower Upper

45 100

43 78.4 57.1 85.7

87 22.5 18.8 28.2

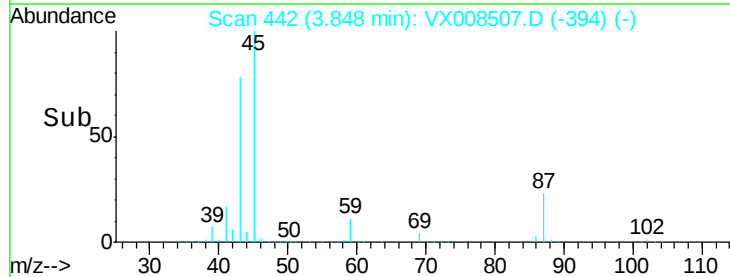
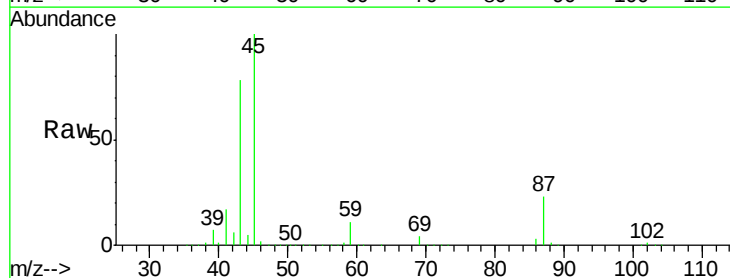
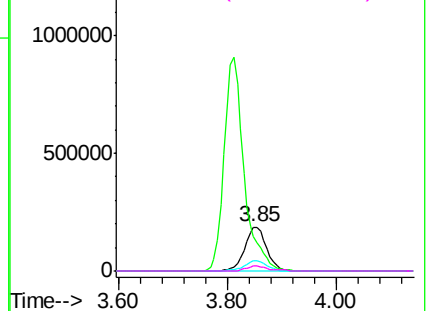
59 10.9 8.7 13.1

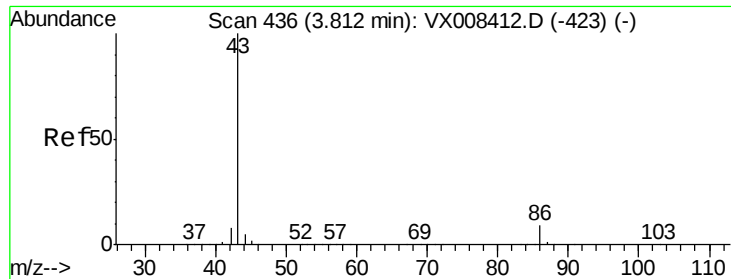
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 244.882 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2327982

Ion Ratio Lower Upper

43 100

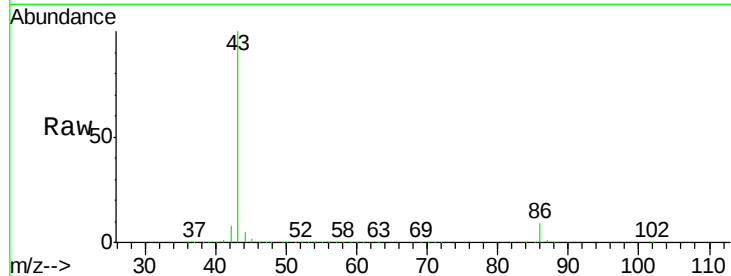
86 8.9 6.9 10.3

Manual Integrations

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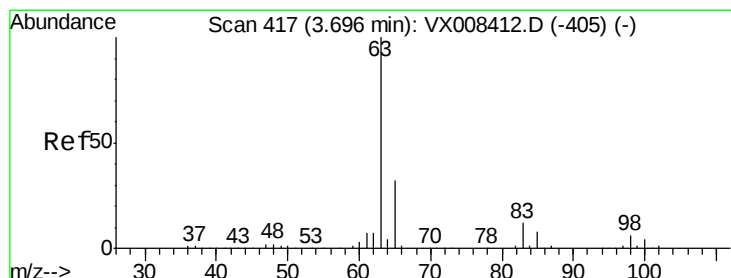
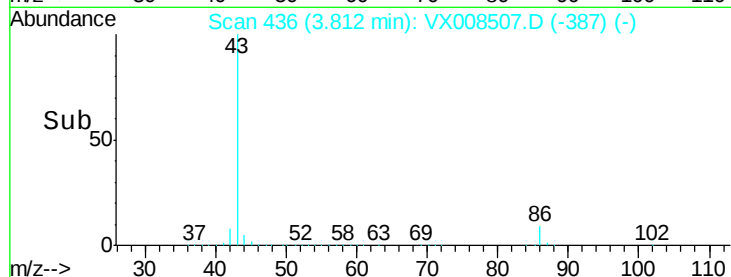
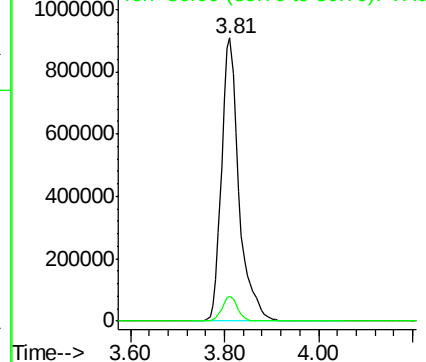
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.536 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

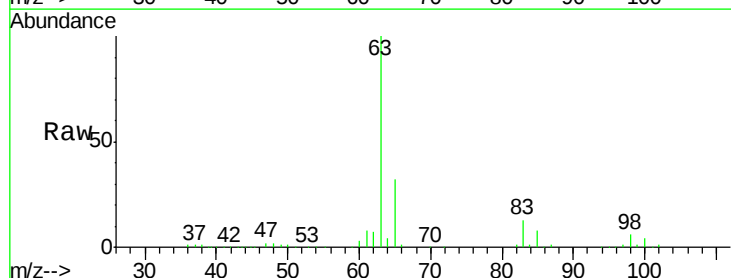
Tgt Ion: 63 Resp: 261499

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

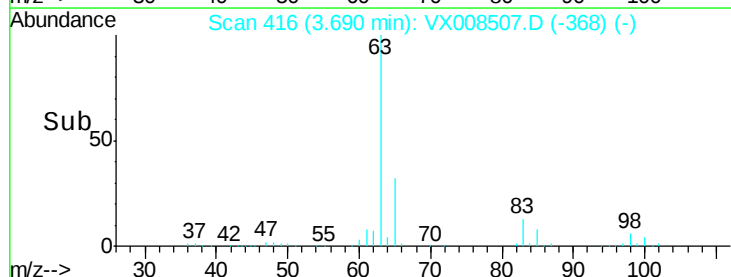
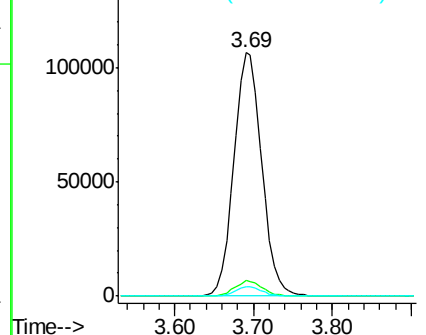
100 3.7 2.0 5.8

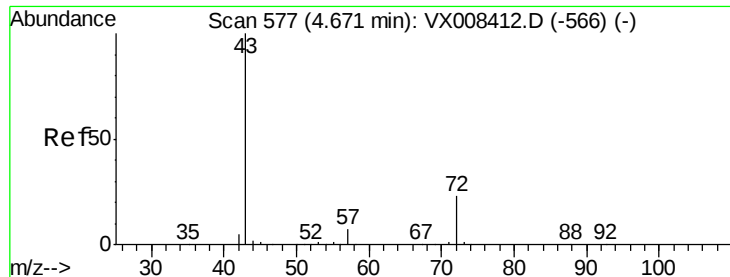


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 241.403 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 662091

Ion Ratio Lower Upper

43 100

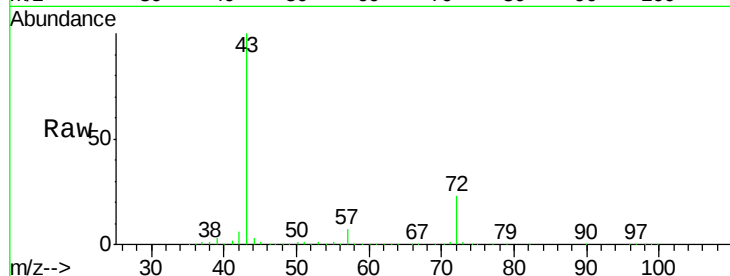
72 22.7 18.6 28.0

Manual Integrations

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3/29/2019 10:51:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

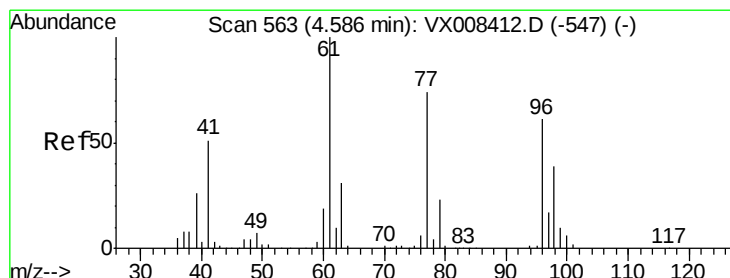
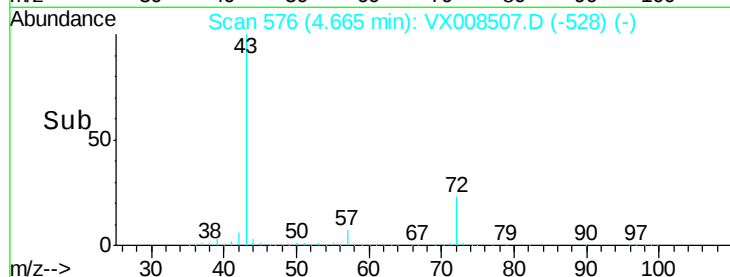
100000

50000

0

4.60 4.65 4.70 4.75 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.643 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008507.D

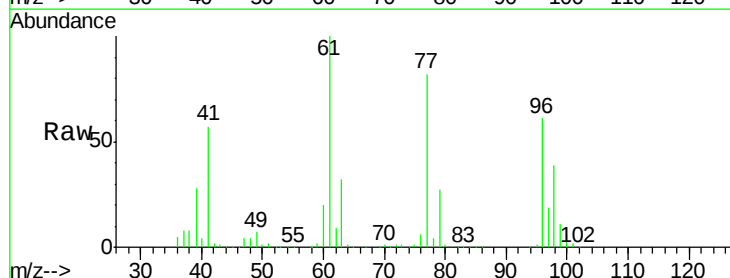
Acq: 28 Mar 2019 09:58

Tgt Ion: 77 Resp: 188958

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

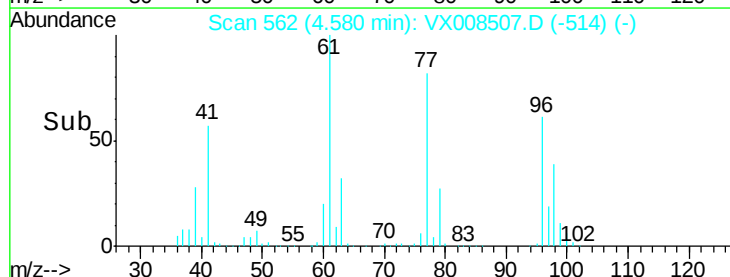
40000

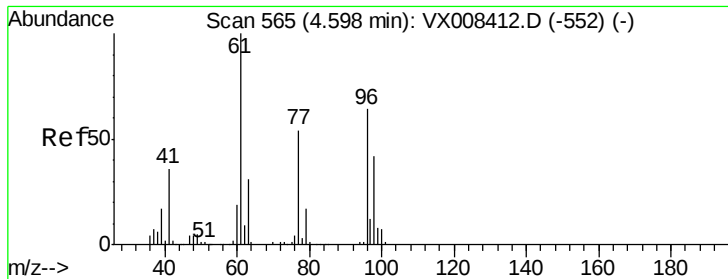
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

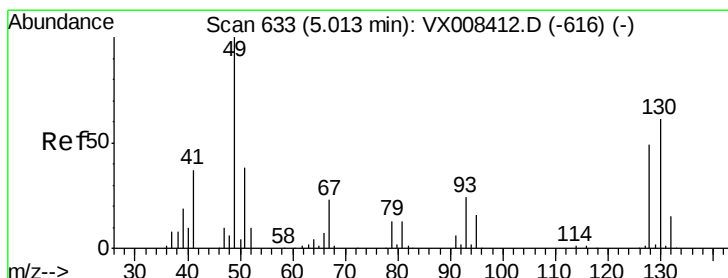
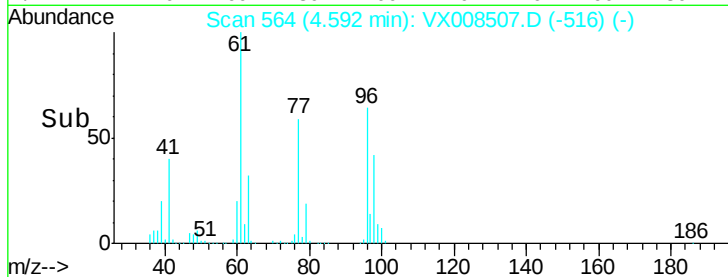
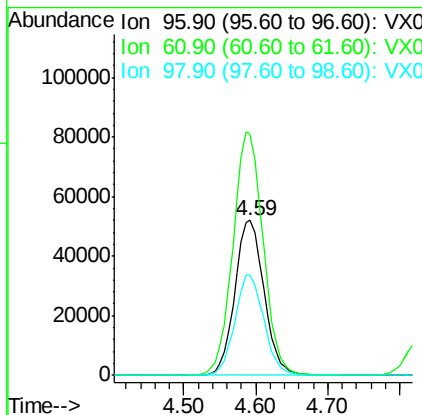
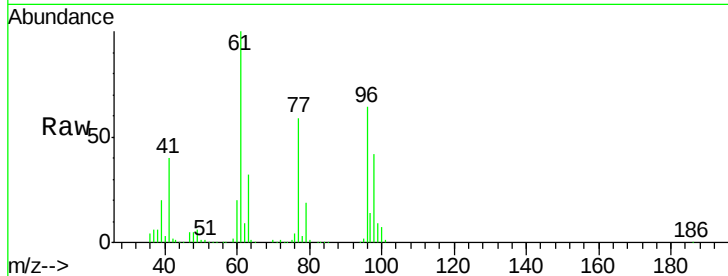
cis-1,2-Dichloroethene
Concen: 47.801 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	146825		
61	162.1	0.0	325.6	
98	64.6	0.0	130.0	

Manual Integrations
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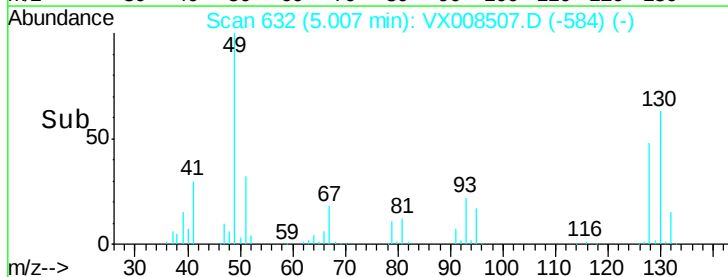
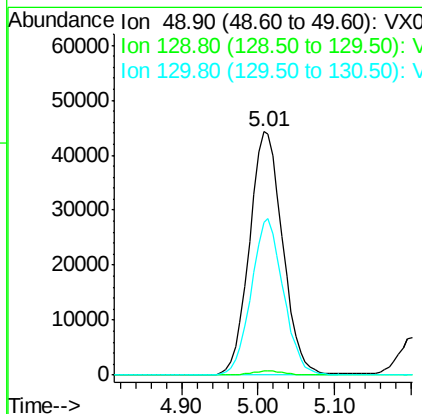
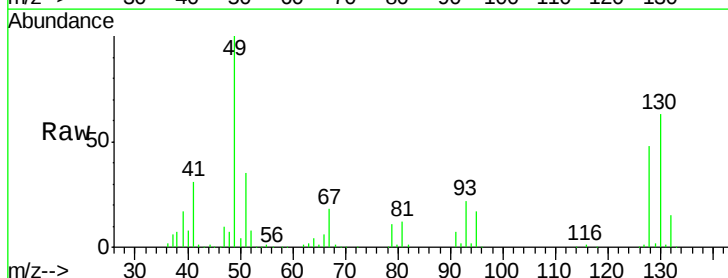
MMDadoda
3/29/2019 10:51:33 AM

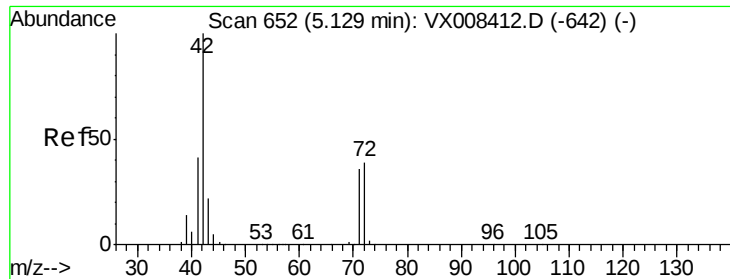


#28

Bromochloromethane
Concen: 49.325 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	134056		
129	1.8	0.0	3.4	
130	61.9	49.8	74.6	





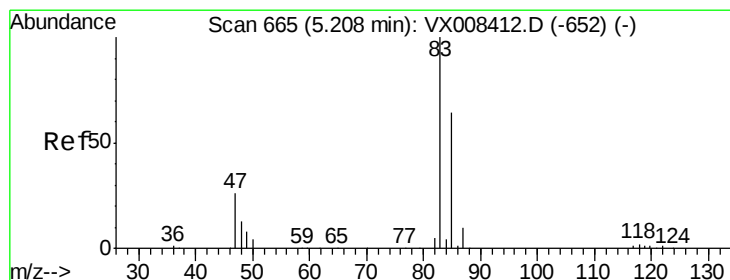
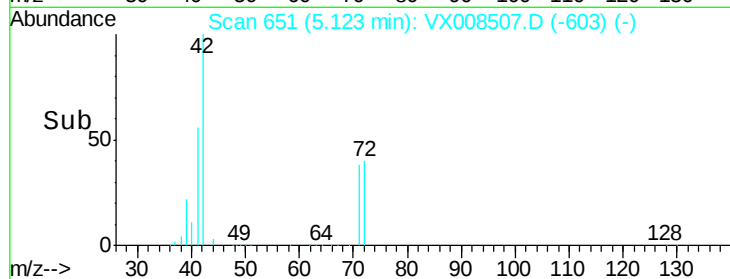
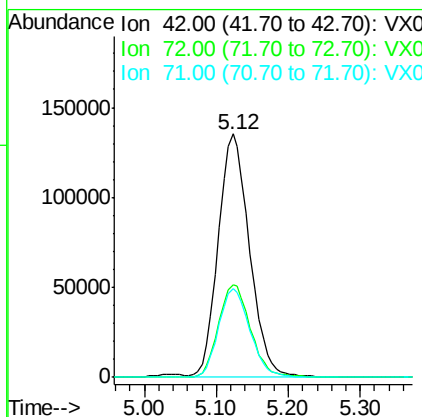
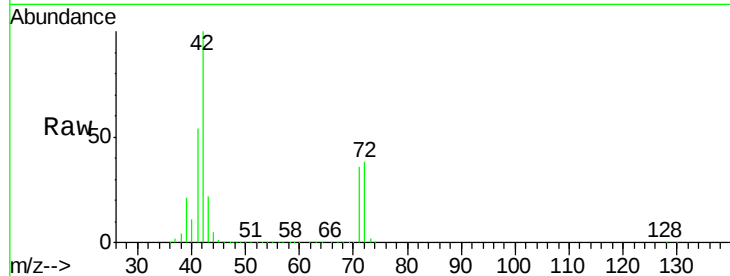
#29
Tetrahydrofuran
Concen: 225.364 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.2
71	36.6	29.4	44.2

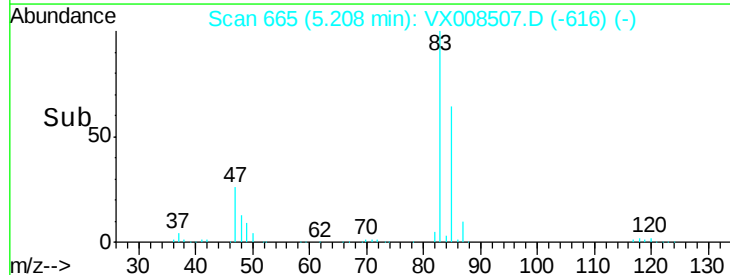
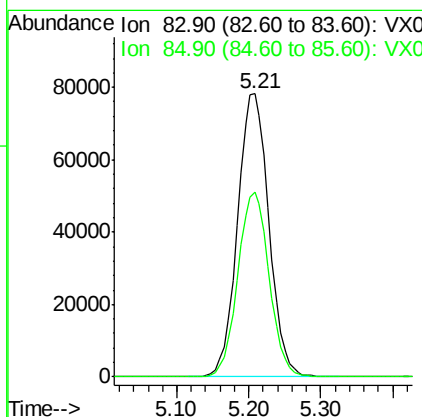
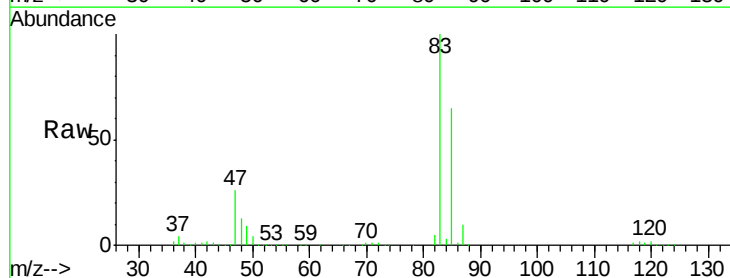
Manual Integrations
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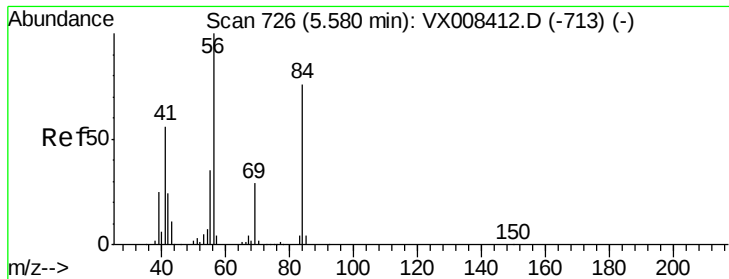
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#30
Chloroform
Concen: 47.572 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2





#31

Cyclohexane

Concen: 48.748 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

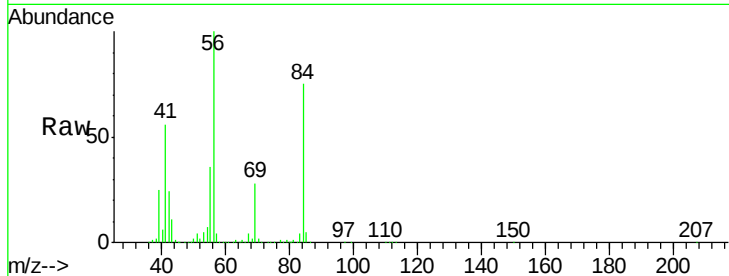
ClientSampleId :

VSTDCCC050

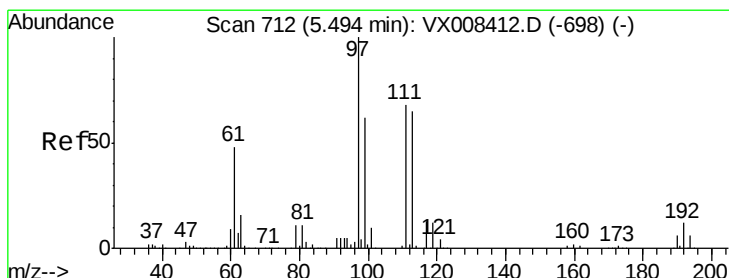
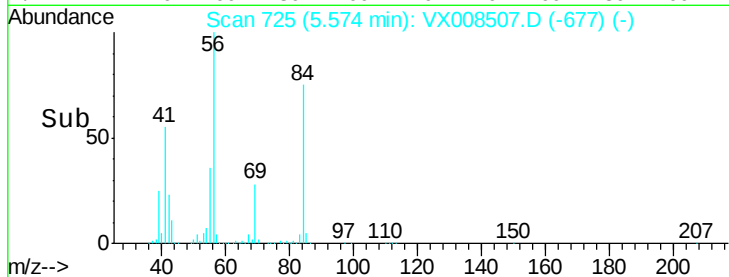
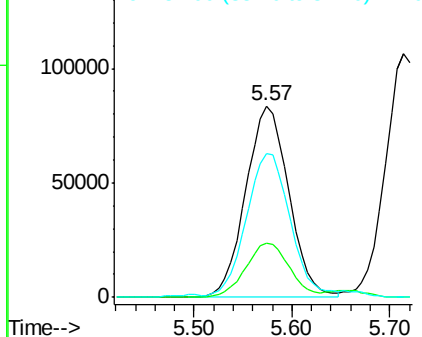
Tot Ion:	56	Resp:	255765
Ion Ratio		Lower	Upper
56	100		
69	28.1	23.2	34.8
84	73.5	60.7	91.1

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.104 ug/l

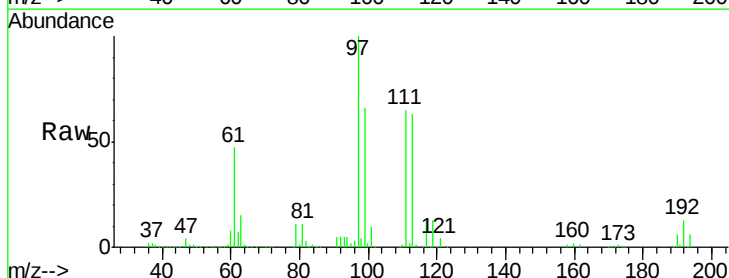
RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

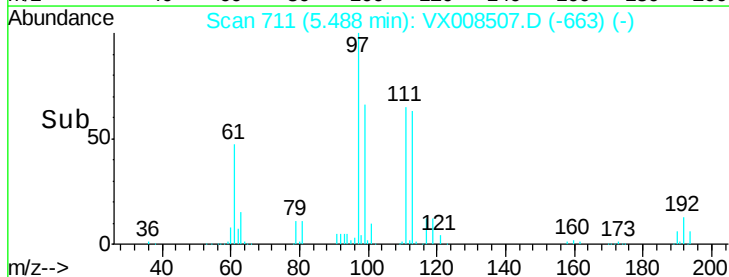
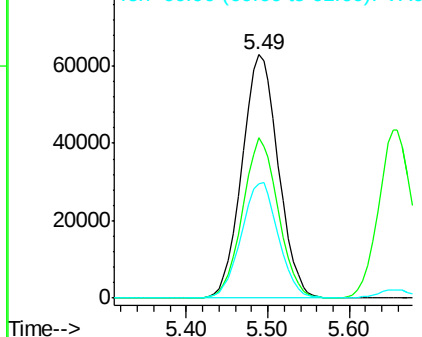
Lab File: VX008507.D

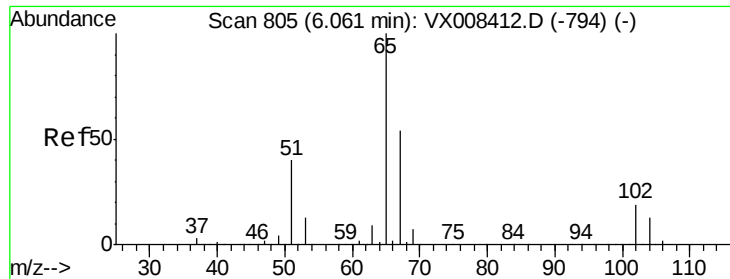
Acq: 28 Mar 2019 09:58

Tgt Ion:	97	Resp:	194860
Ion Ratio		Lower	Upper
97	100		
99	64.5	51.5	77.3
61	48.4	38.8	58.2



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





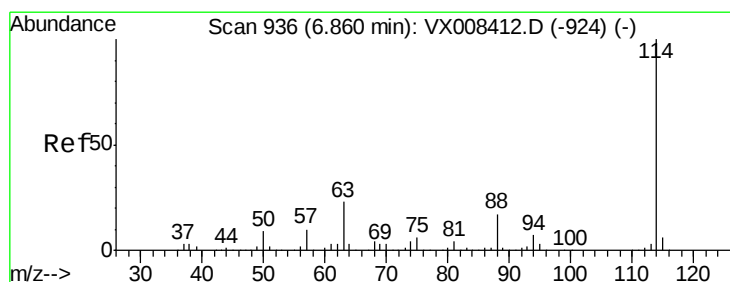
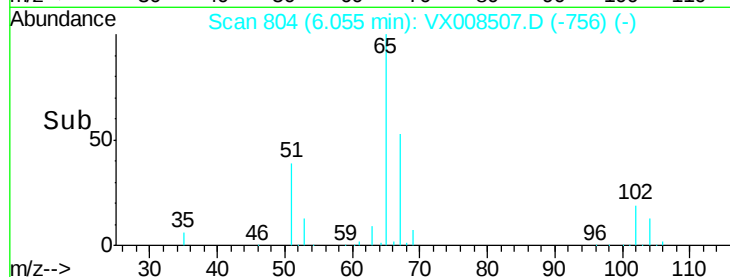
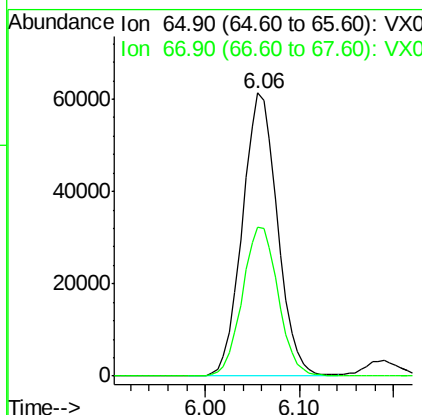
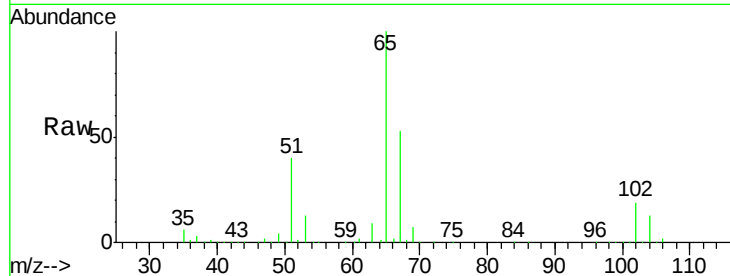
#33
 1,2-Dichloroethane-d4
 Concen: 48.659 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 159273
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.4

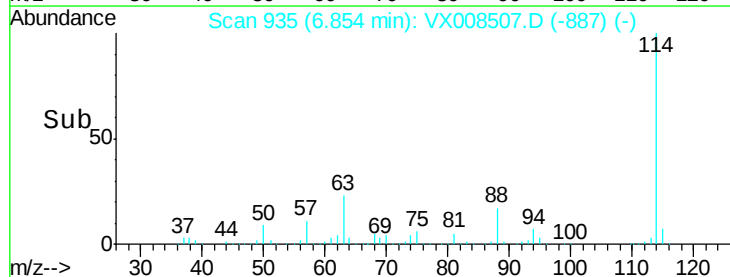
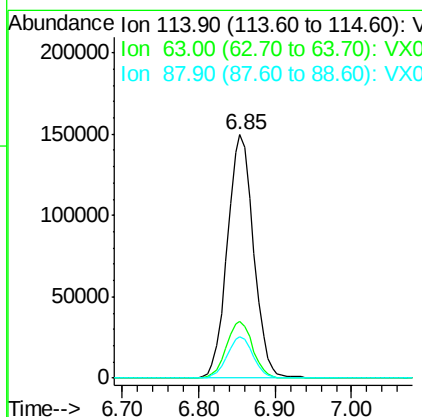
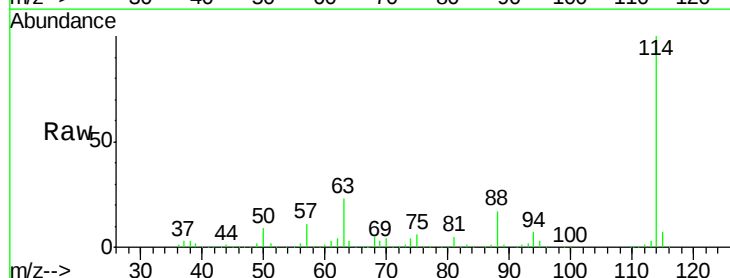
Manual Integrations
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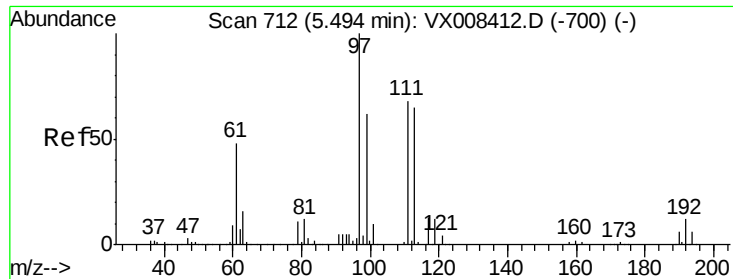
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Tgt Ion: 114 Resp: 354163
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.4
 88 17.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.411 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

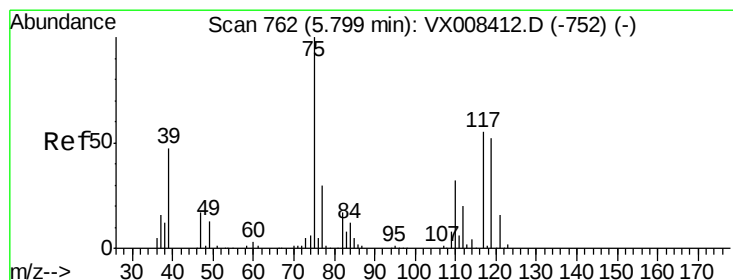
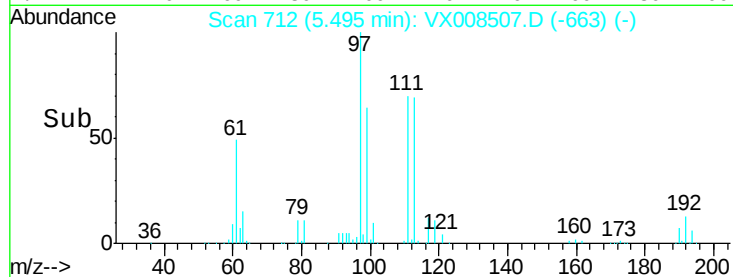
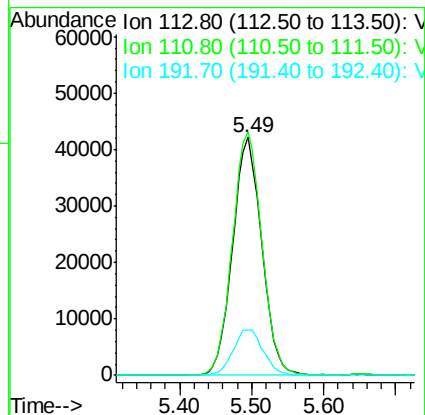
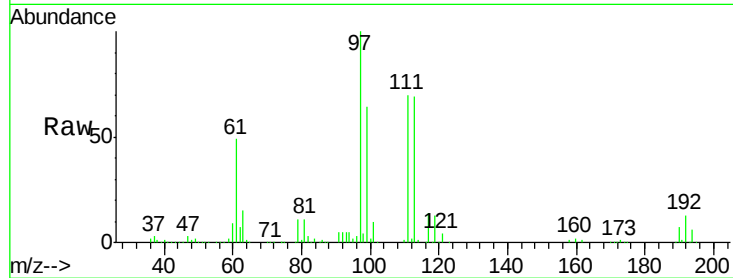
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	118723
Ion Ratio	Lower	Upper	
113	100		
111	103.4	83.0	124.4
192	19.8	15.6	23.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.806 ug/l

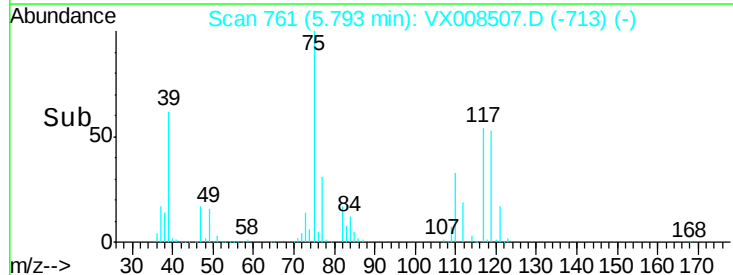
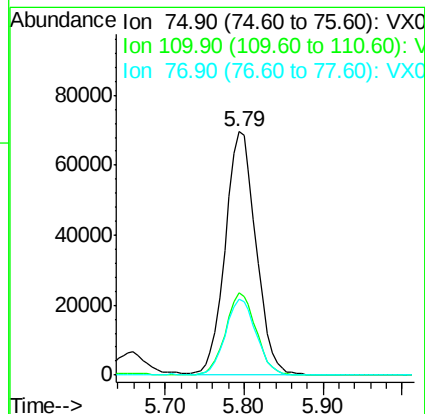
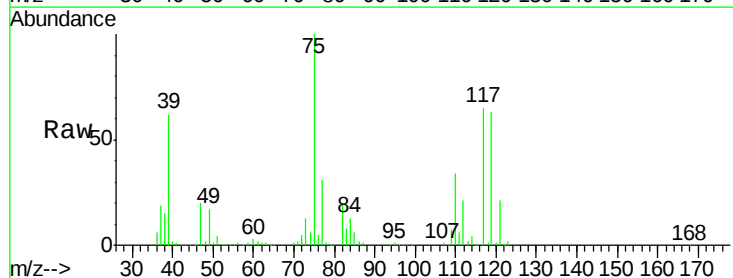
RT: 5.79 min Scan# 761

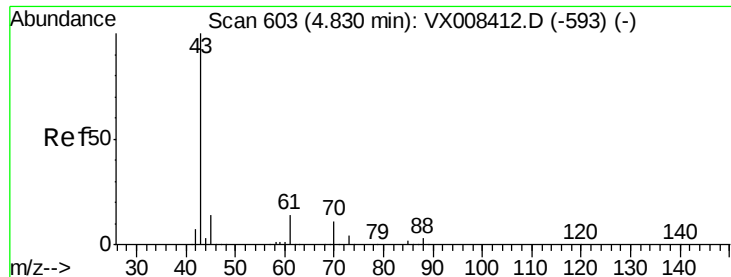
Delta R.T. -0.01 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Tgt Ion:	75	Resp:	188074
Ion Ratio	Lower	Upper	
75	100		
110	33.7	16.6	49.7
77	31.2	24.2	36.2





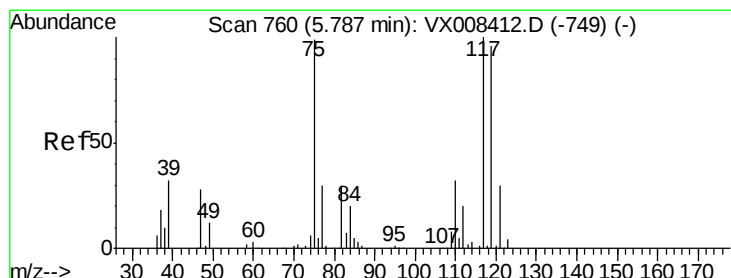
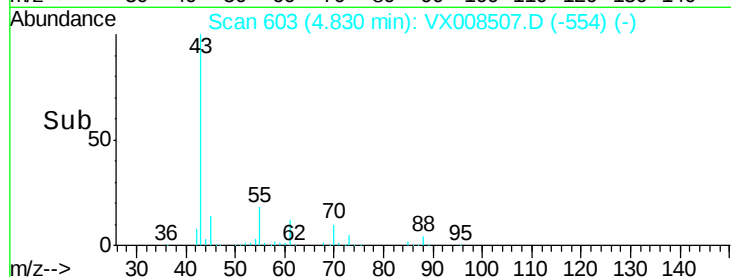
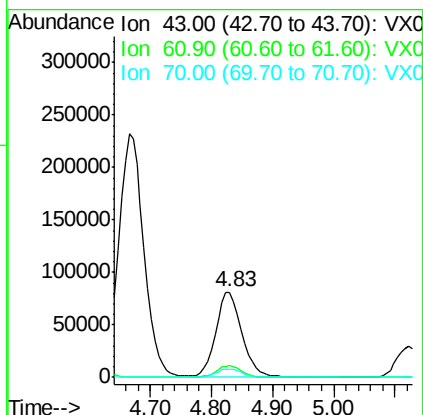
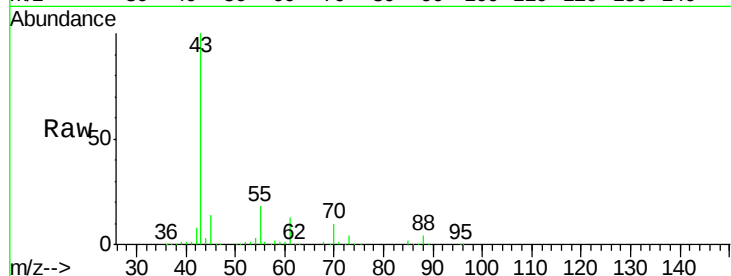
#37
Ethyl Acetate
Concen: 49.360 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.7	7.8	11.8

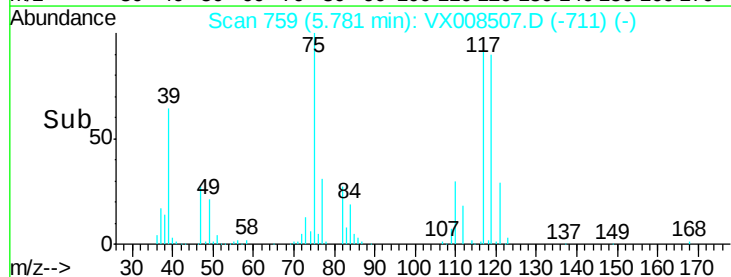
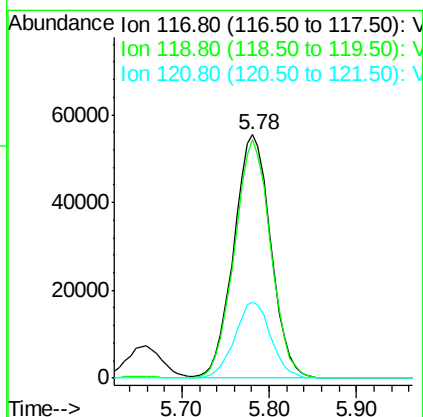
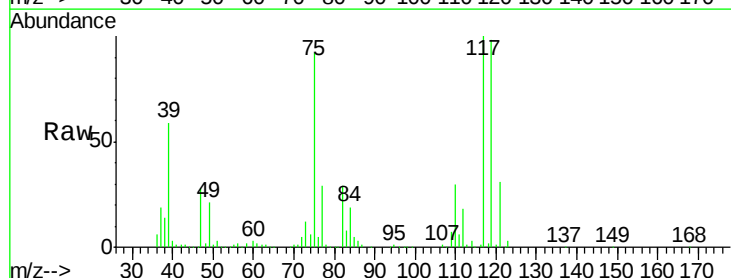
Manual Integrations
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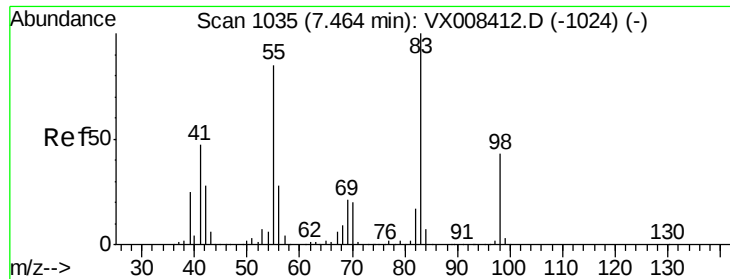
MMDadoda
3/29/2019 10:51:33 AM



#38
Carbon Tetrachloride
Concen: 51.602 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.7	115.1
121	31.1	24.3	36.5





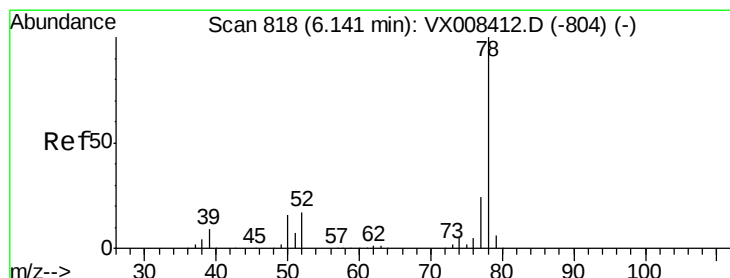
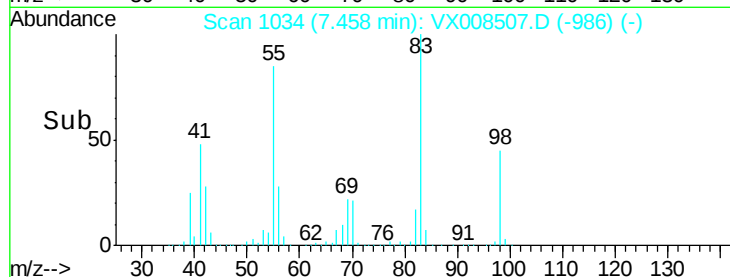
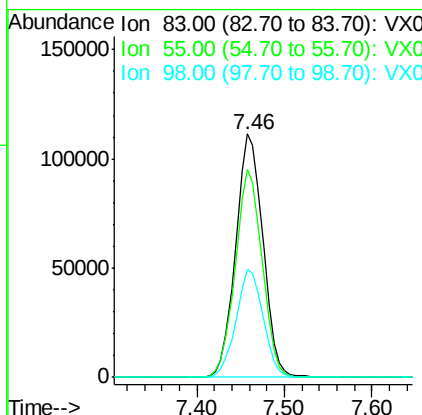
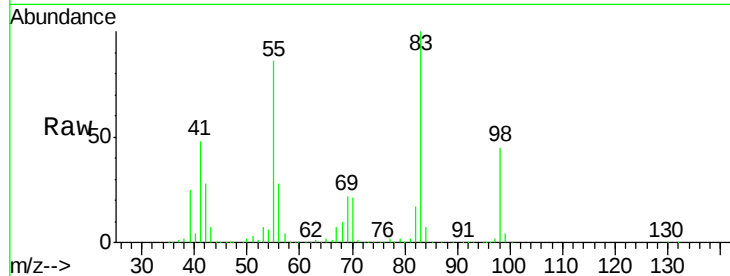
#39
Methvlcvclohexane
Concen: 53.661 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	68.2	102.4
98	44.5	34.2	51.4

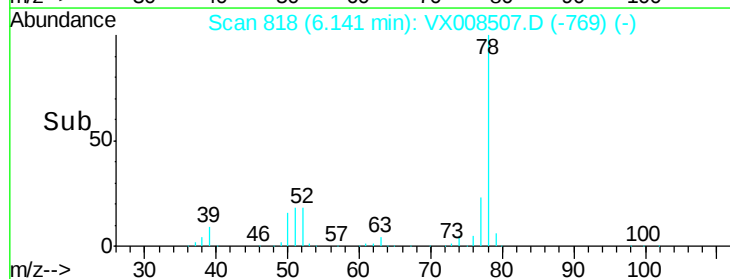
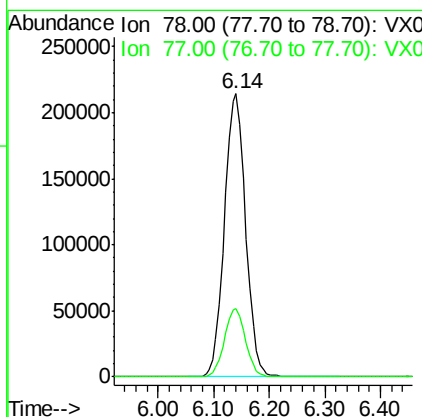
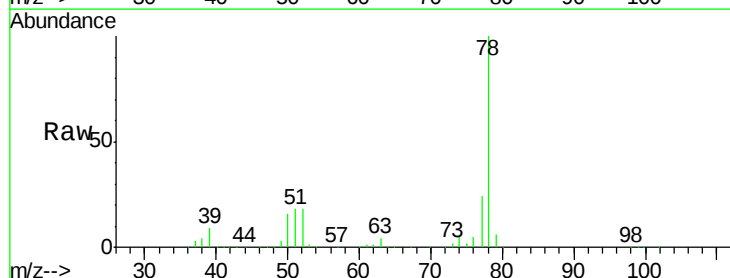
Manual Integrations
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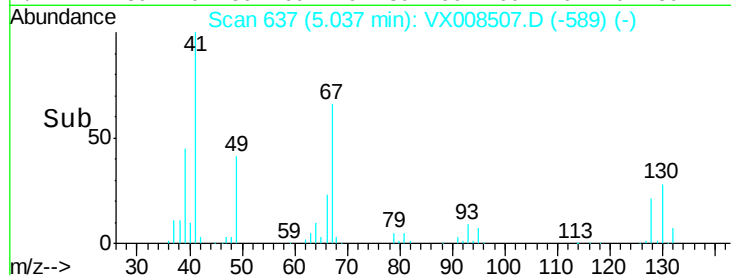
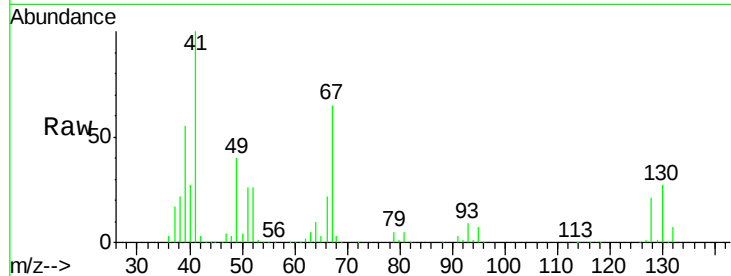
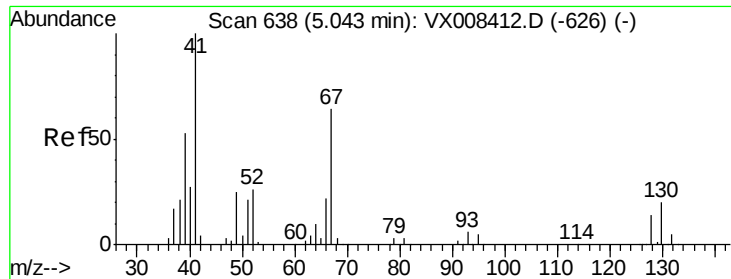
MMDadoda
3/29/2019 10:51:33 AM



#40
Benzene
Concen: 49.847 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





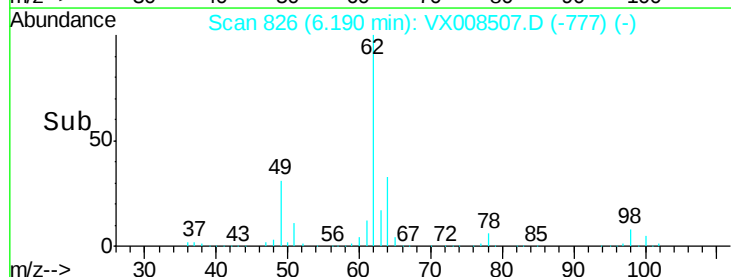
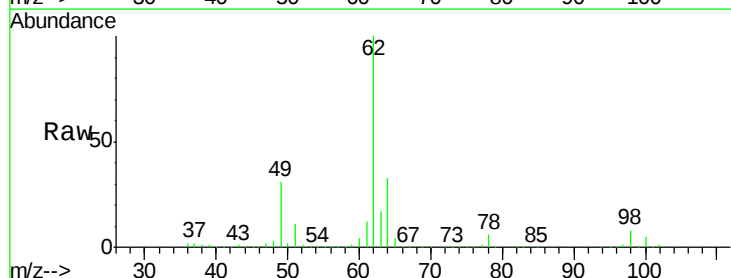
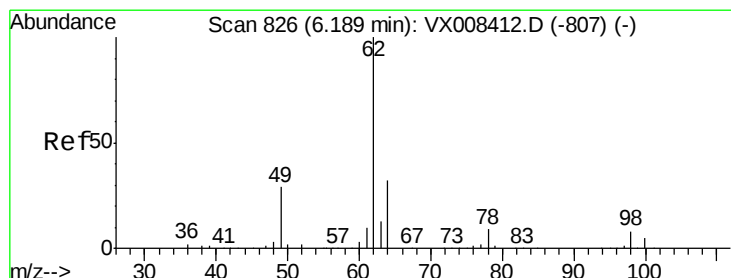
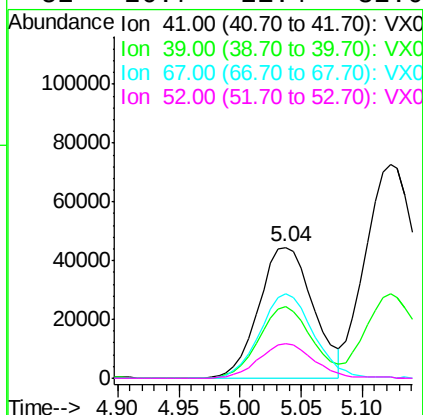
#41
Methacrylonitrile
Concen: 50.083 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.3	42.6	64.0		
67	63.7	52.2	78.4		
52	26.7	21.4	32.0		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

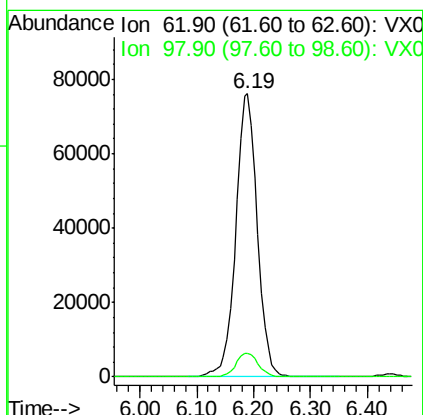
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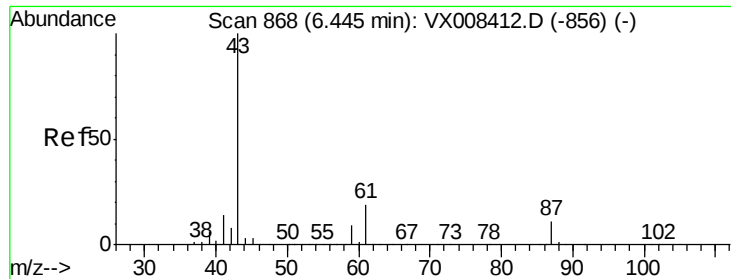
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#42
1,2-Dichloroethane
Concen: 48.668 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.6	0.0	17.6		





#43

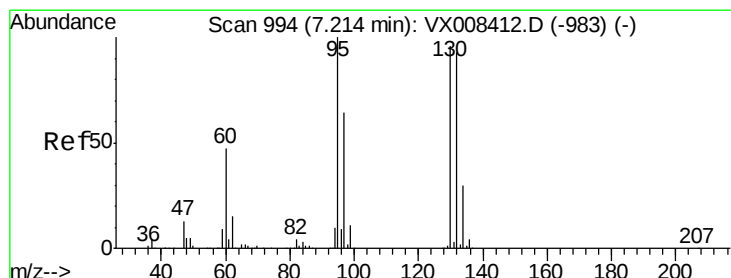
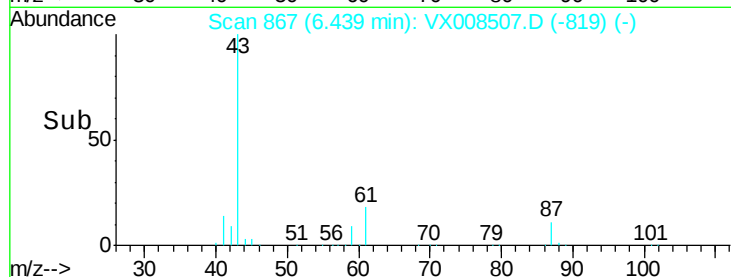
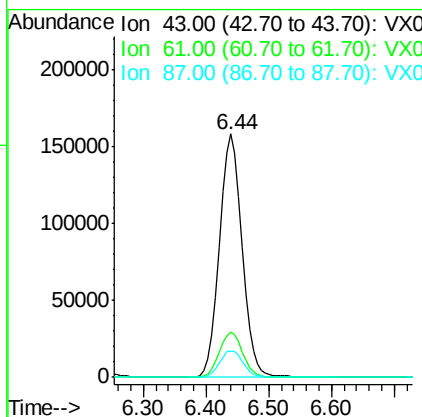
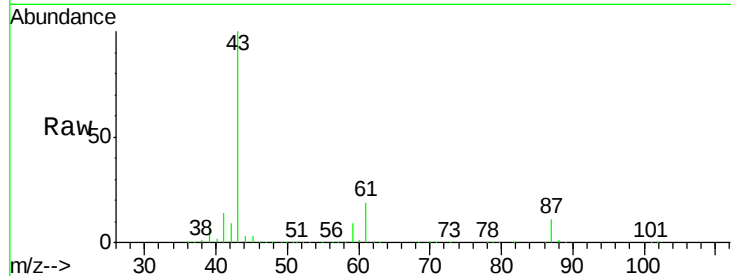
Isopropyl Acetate
 Concen: 50.303 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.2
87	11.4	9.1	13.7

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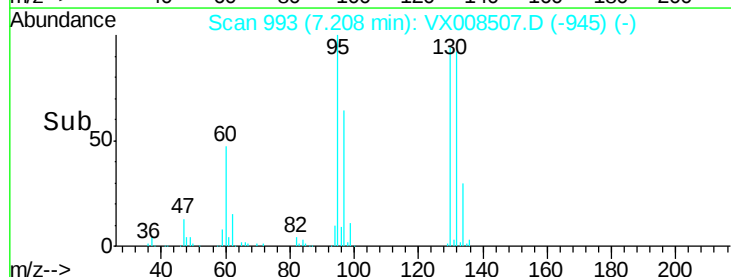
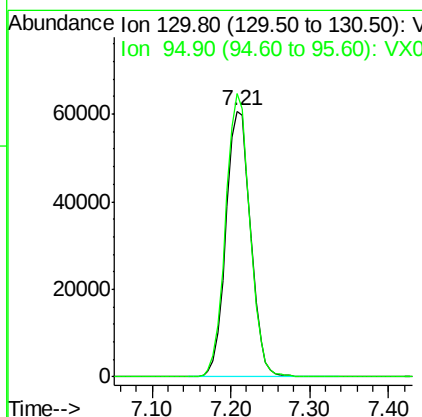
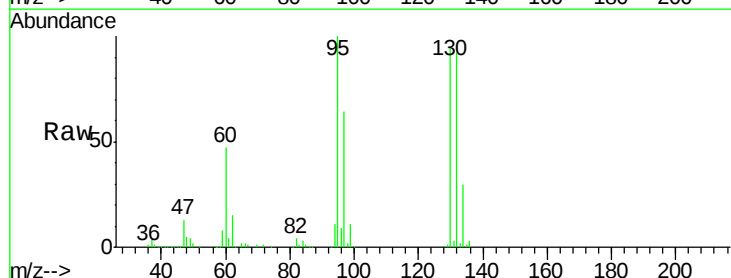
MMDadoda
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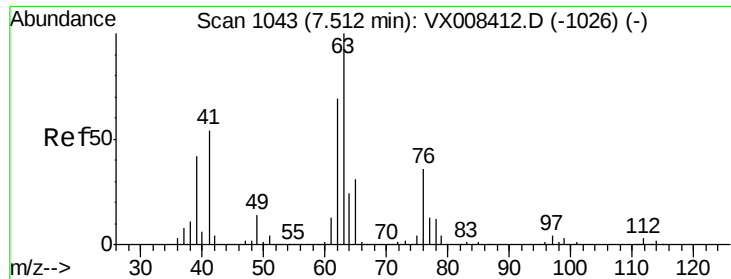


#44

Trichloroethene
 Concen: 50.126 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	208.8





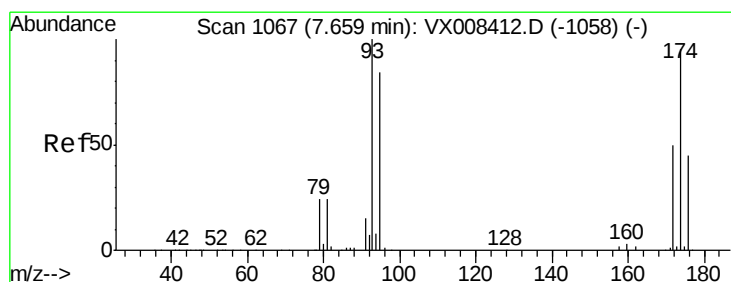
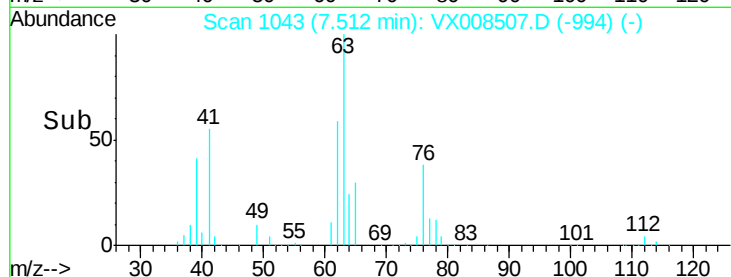
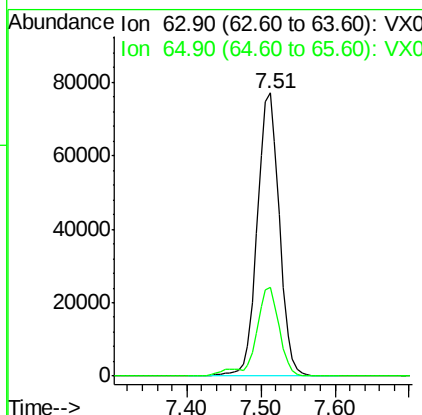
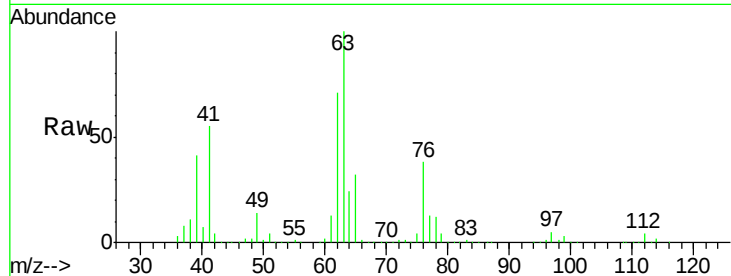
#45
 1,2-Dichloropropane
 Concen: 50.144 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 161127
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.1 37.7

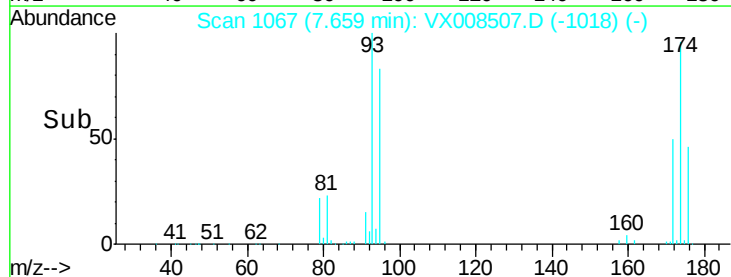
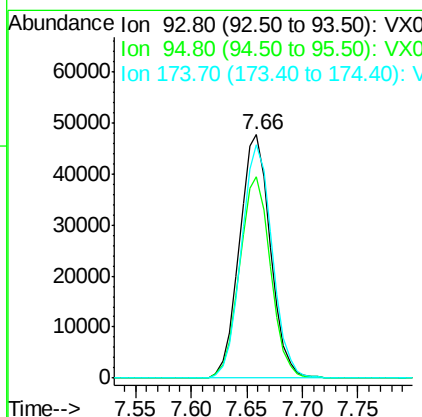
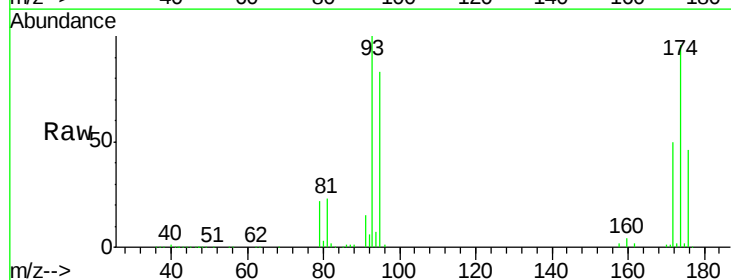
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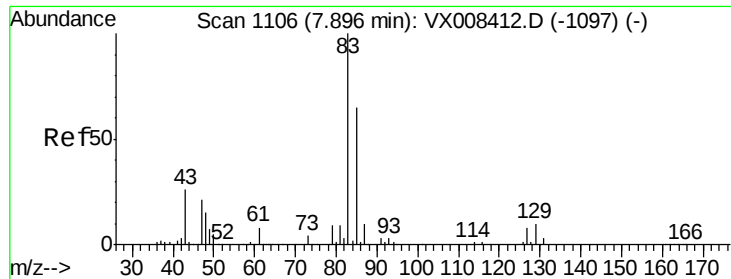
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#46
 Dibromomethane
 Concen: 49.025 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Tgt Ion: 93 Resp: 91990
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.0 100.6
 174 96.0 76.0 114.0





#47

Bromodichloromethane

Concen: 52.141 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

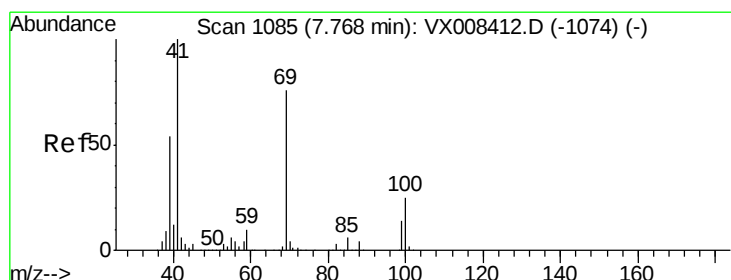
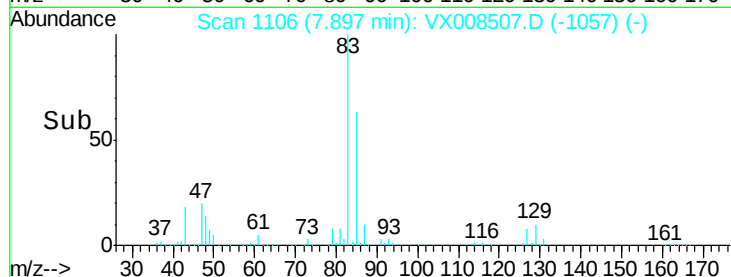
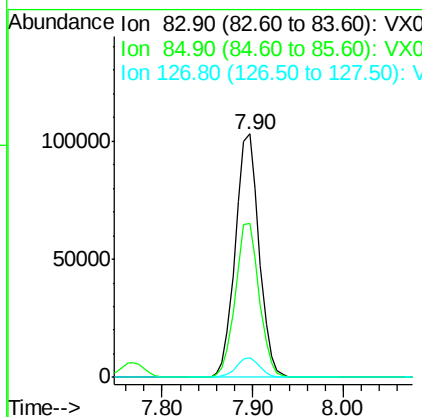
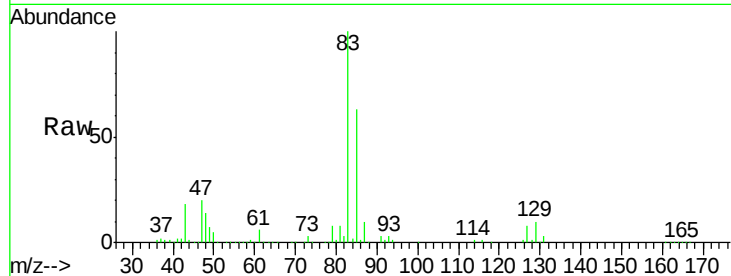
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187266
Ion Ratio	Lower	Upper	
83	100		
85	63.0	52.0	78.0
127	7.9	6.4	9.6

Manual Integrations
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MMDadoda
3/29/2019 10:51:33 AM



#48

Methyl methacrylate

Concen: 50.841 ug/l

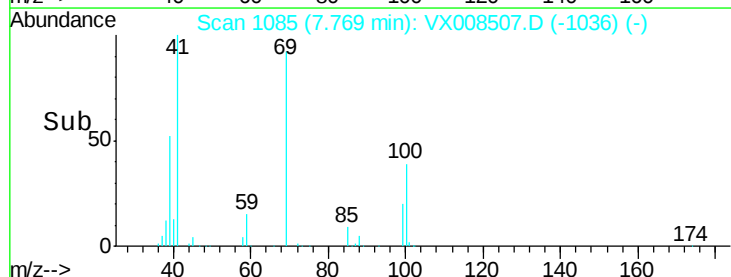
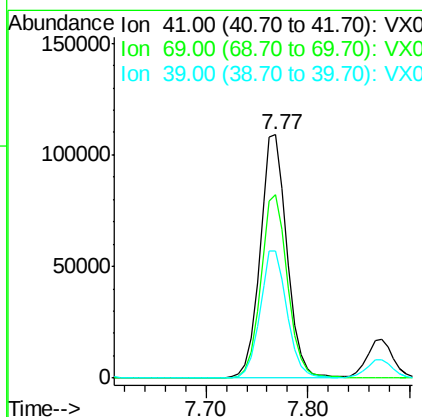
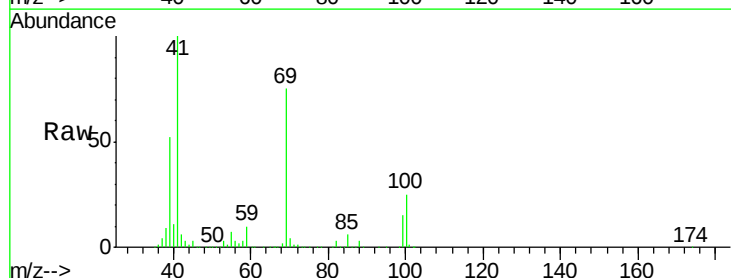
RT: 7.77 min Scan# 1085

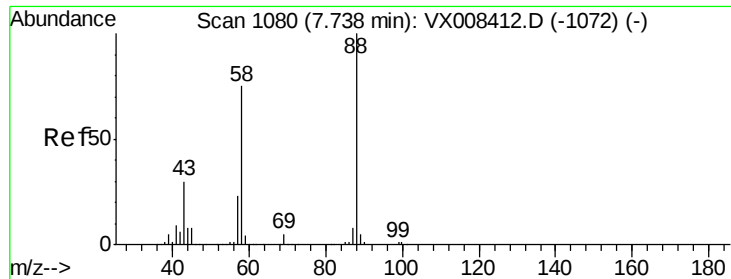
Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Tgt Ion:	41	Resp:	199050
Ion Ratio	Lower	Upper	
41	100		
69	75.4	60.8	91.2
39	52.5	42.3	63.5





#49

1,4-Dioxane

Concen: 938.908 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

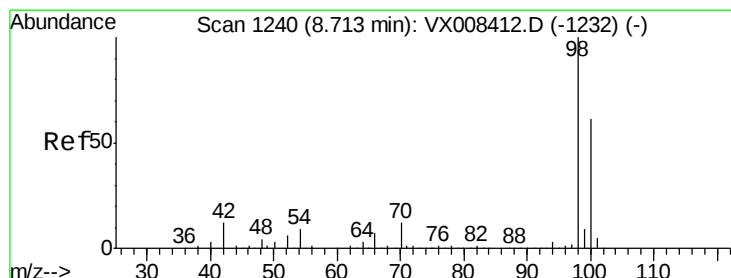
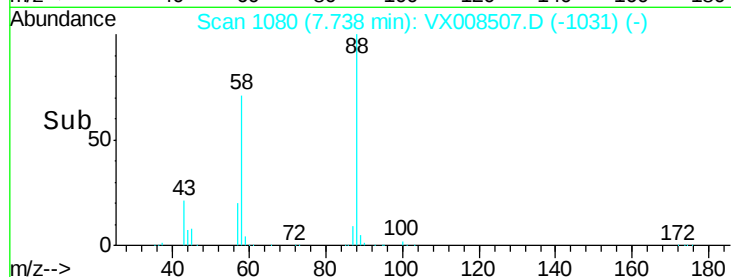
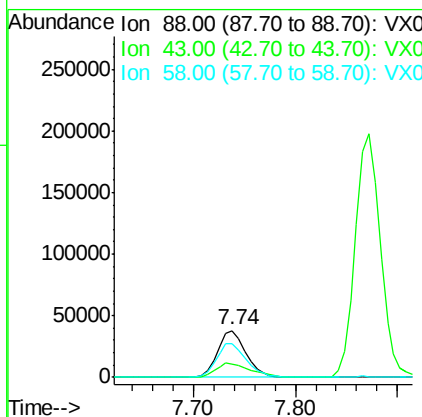
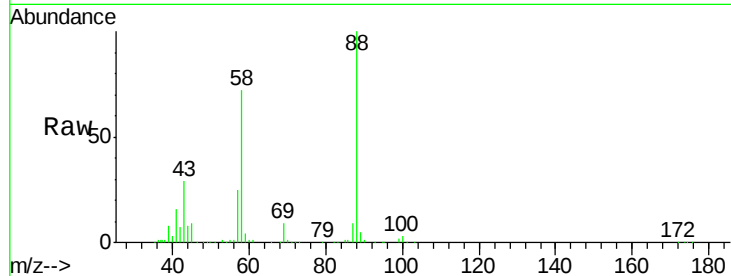
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	73091
Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.6	43.0
58	77.4	63.0	94.4

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#50

Toluene-d8

Concen: 52.109 ug/l

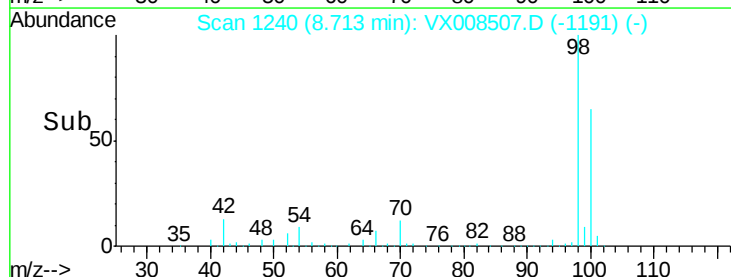
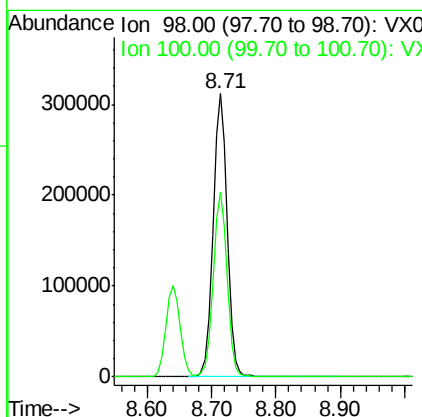
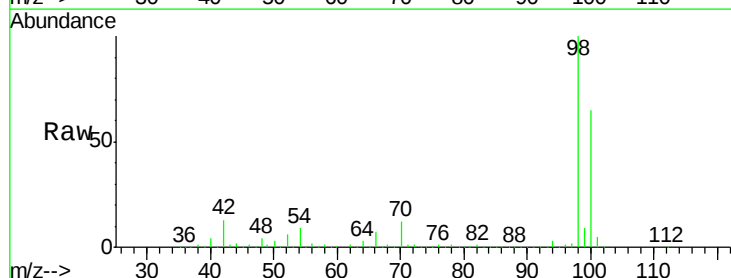
RT: 8.71 min Scan# 1240

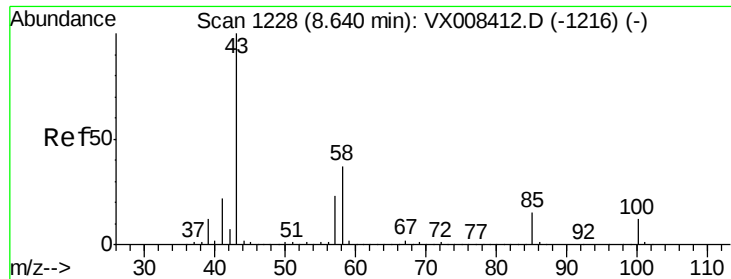
Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Tgt Ion:	98	Resp:	481169
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 251.676 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1279069

Ion Ratio Lower Upper

43 100

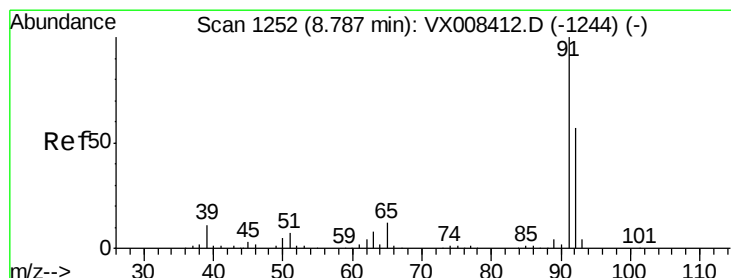
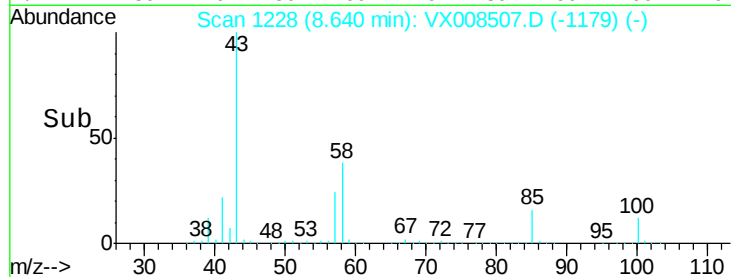
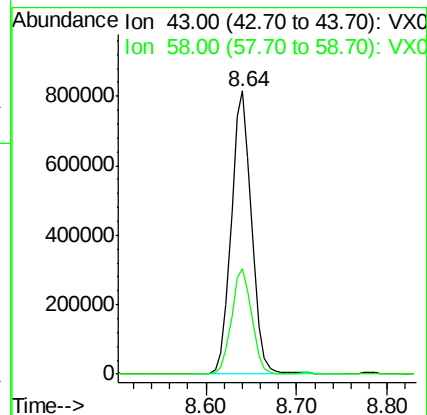
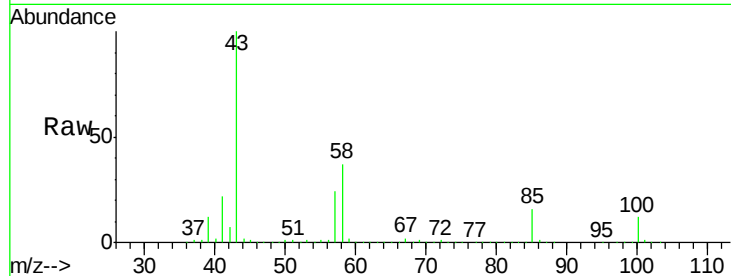
58 37.5 29.8 44.8

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#52

Toluene

Concen: 50.994 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008507.D

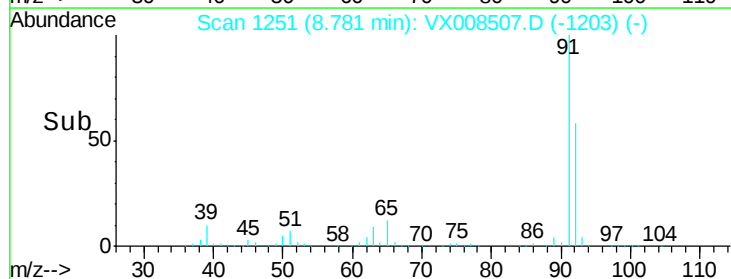
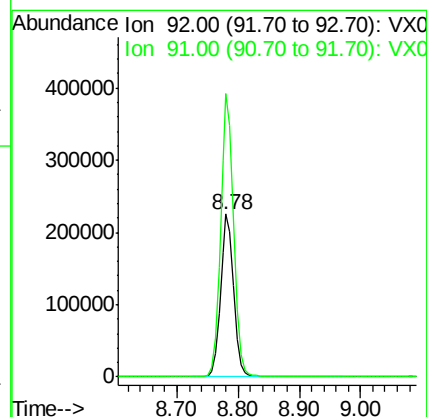
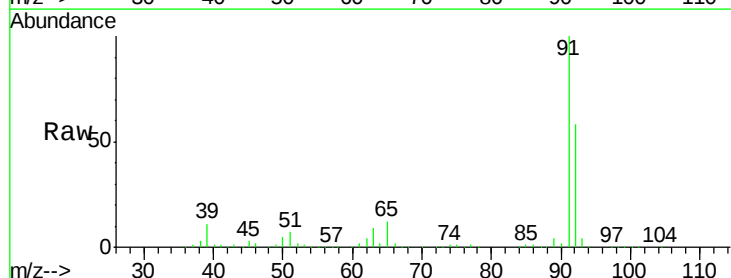
Acq: 28 Mar 2019 09:58

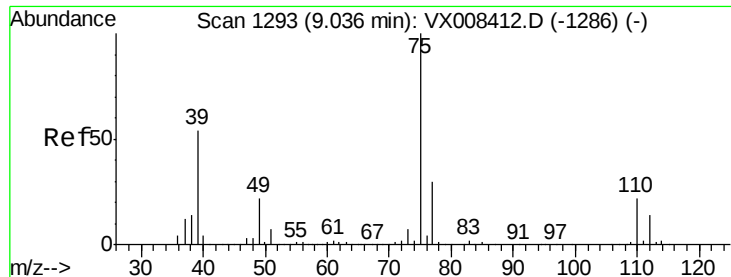
Tgt Ion: 92 Resp: 344692

Ion Ratio Lower Upper

92 100

91 173.4 140.2 210.4





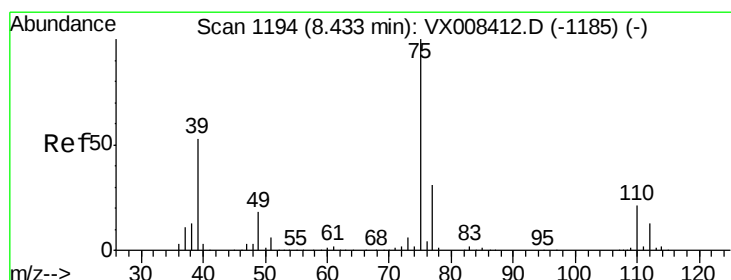
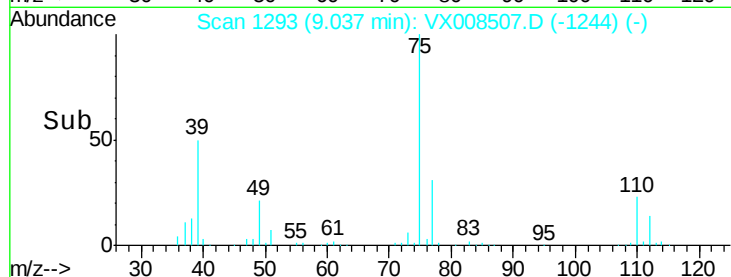
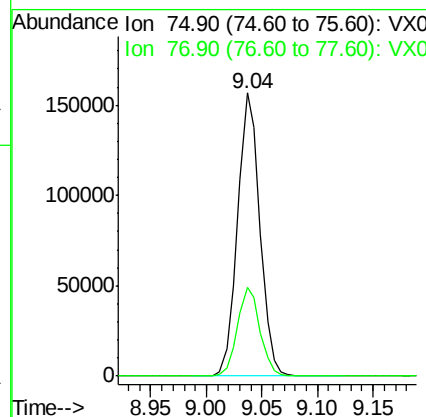
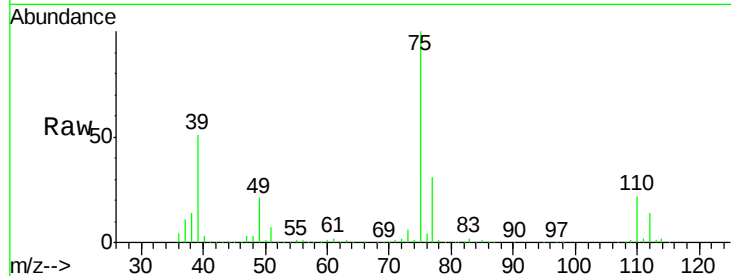
#53
t-1,3-Dichloropropene
Concen: 55.230 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 217267
Ion Ratio Lower Upper
75 100
77 31.4 24.3 36.5

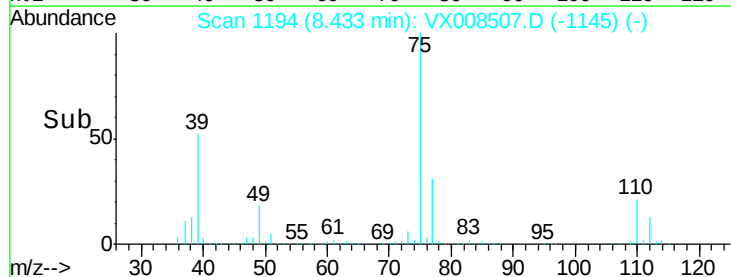
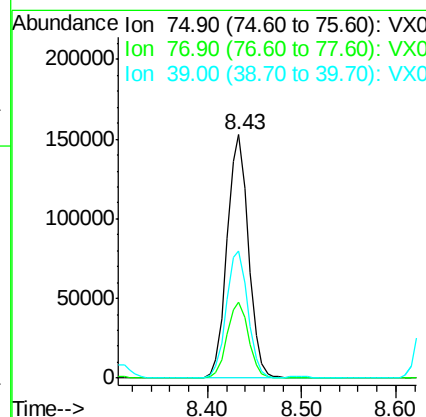
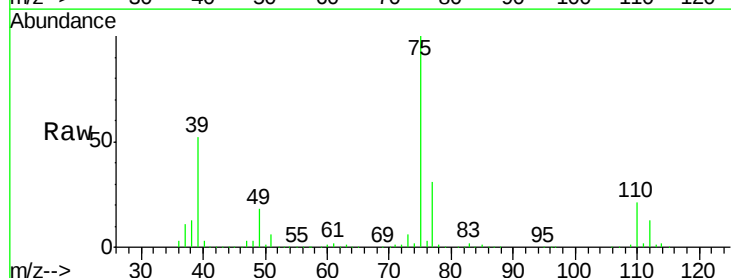
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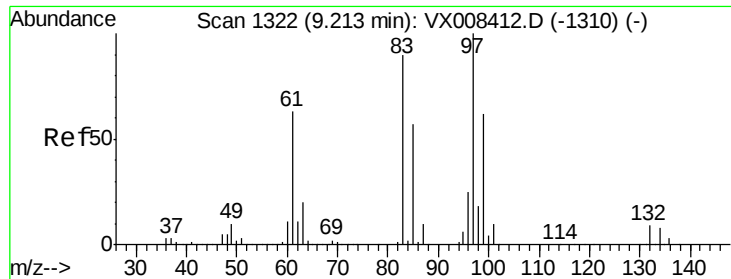
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#54
cis-1,3-Dichloropropene
Concen: 53.699 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion: 75 Resp: 240212
Ion Ratio Lower Upper
75 100
77 31.1 24.7 37.1
39 52.0 42.4 63.6





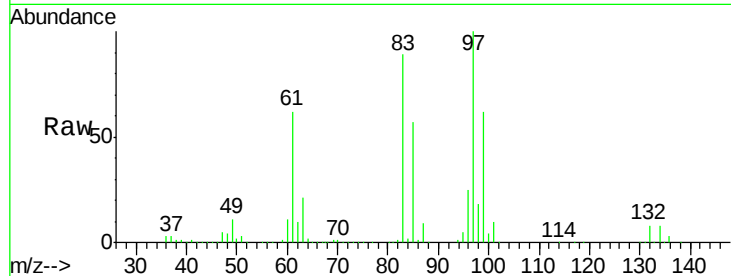
#55
 1,1,2-Trichloroethane
 Concen: 50.266 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

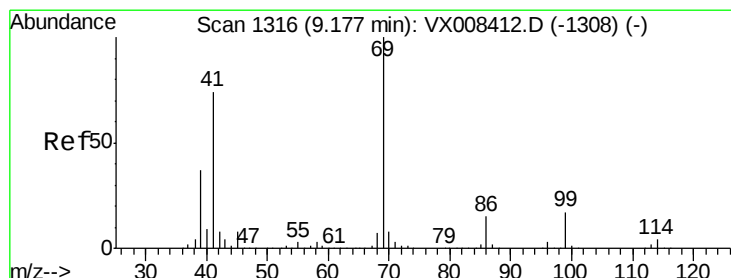
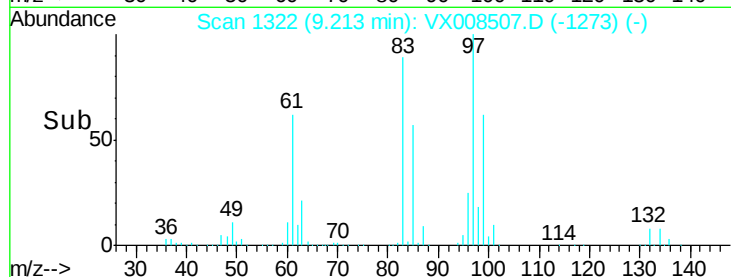
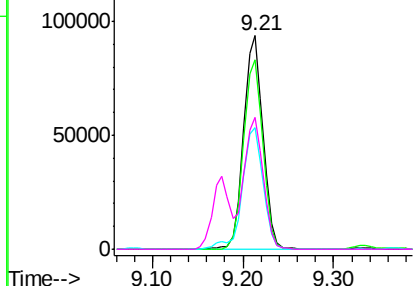
Tot Ion:	97	Resp:	138310
Ion Ratio	Lower	Upper	
97	100		
83	88.6	71.8	107.6
85	56.9	45.9	68.9
99	62.0	49.4	74.0

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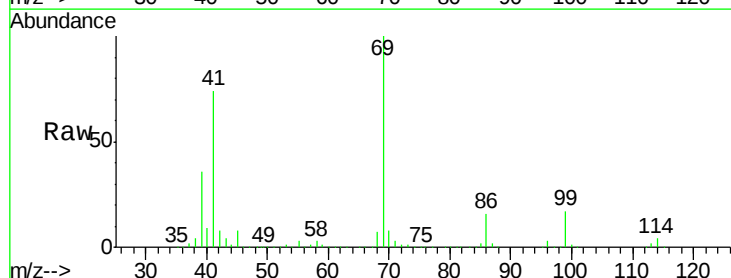


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

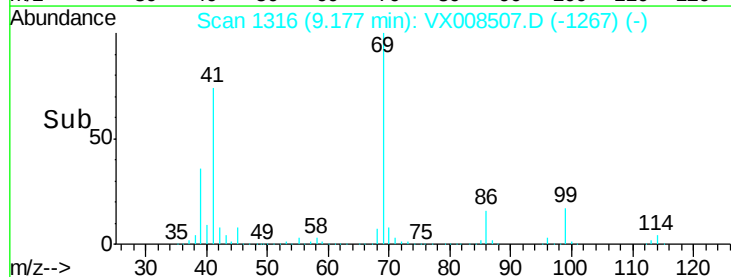
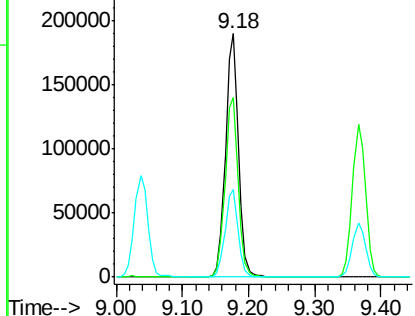


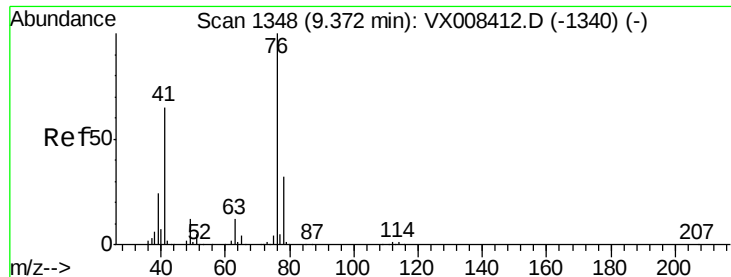
#56
 Ethyl methacrylate
 Concen: 52.235 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Tgt Ion:	69	Resp:	259445
Ion Ratio	Lower	Upper	
69	100		
41	74.7	59.5	89.3
39	36.2	29.3	43.9



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.638 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 244880

Ion Ratio Lower Upper

76 100

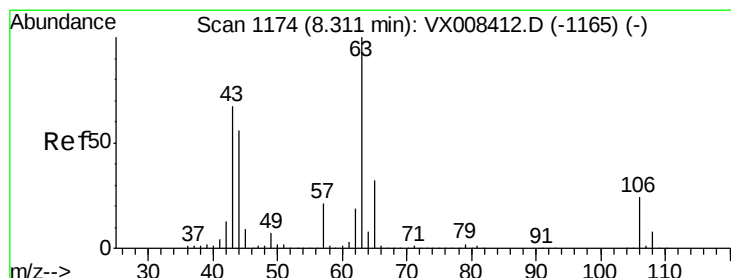
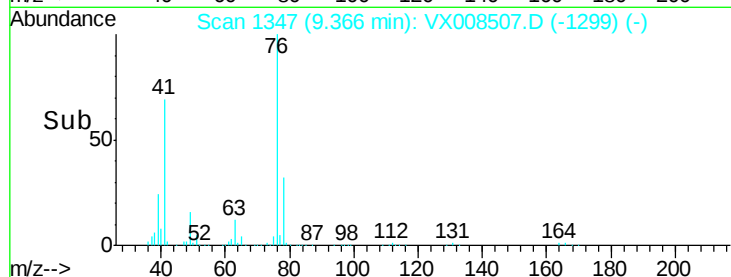
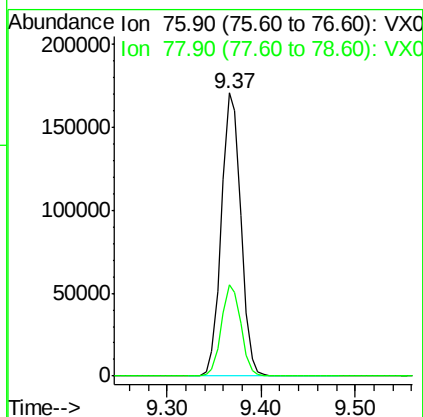
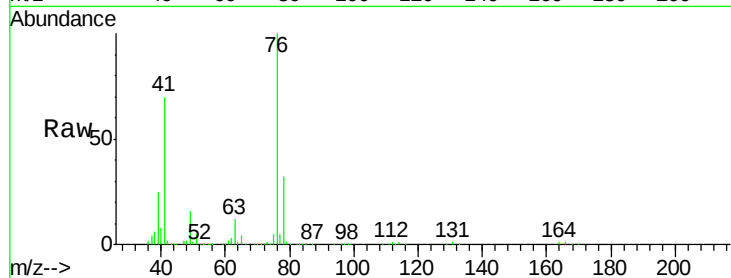
78 32.0 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 243.731 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008507.D

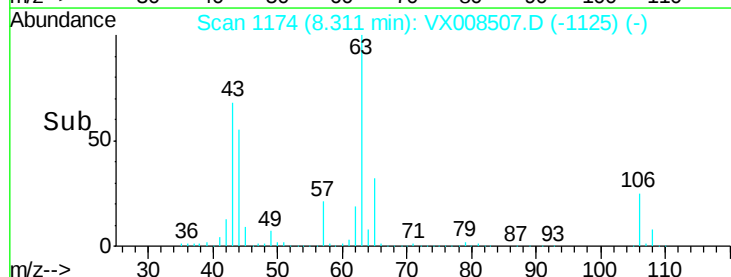
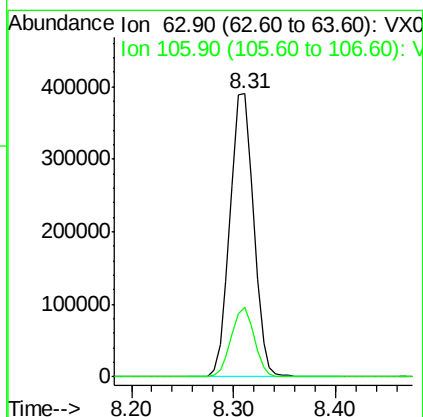
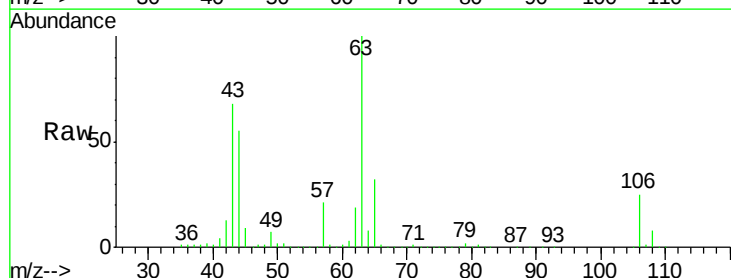
Acq: 28 Mar 2019 09:58

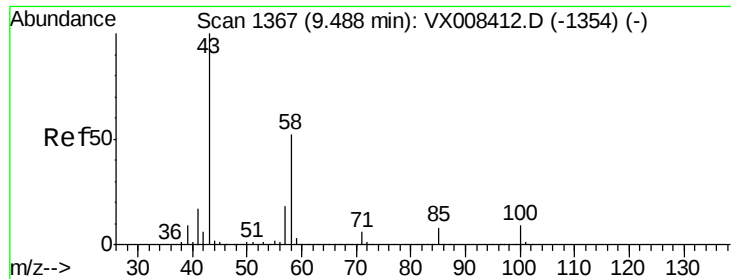
Tgt Ion: 63 Resp: 625764

Ion Ratio Lower Upper

63 100

106 23.9 19.0 28.6





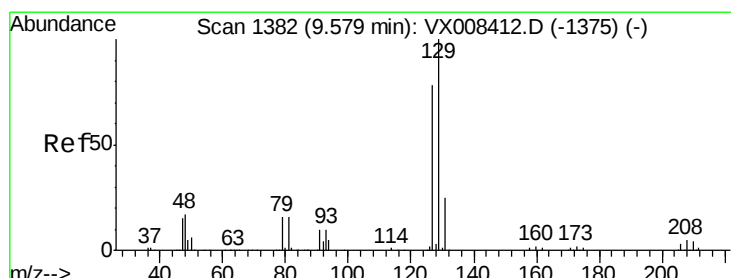
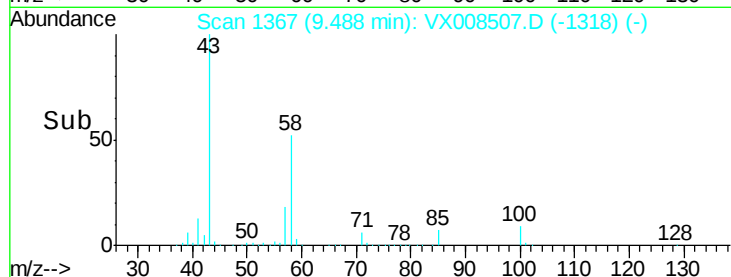
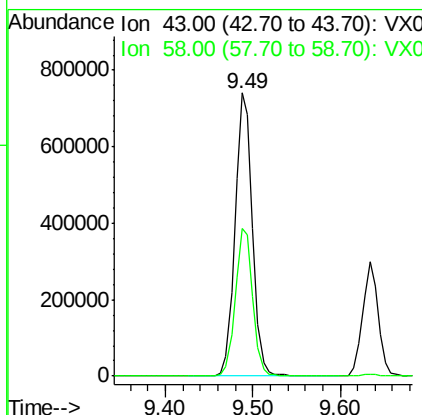
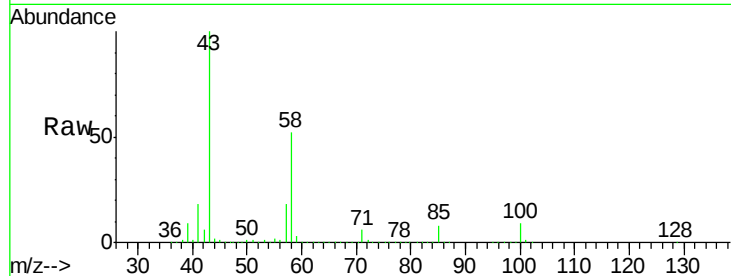
#59
2-Hexanone
Concen: 261.340 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1029151
Ion Ratio Lower Upper
43 100
58 52.3 26.3 78.9

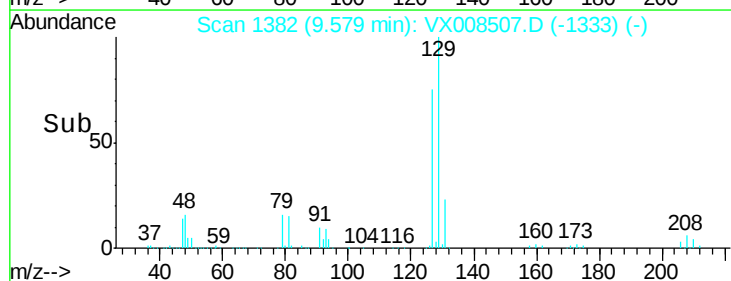
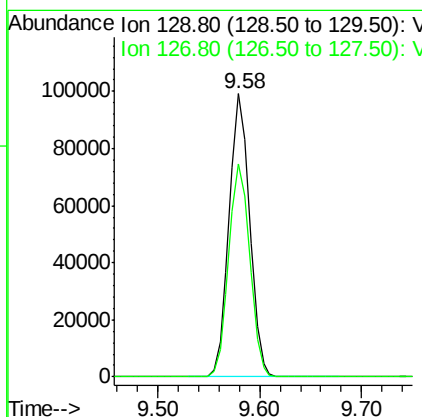
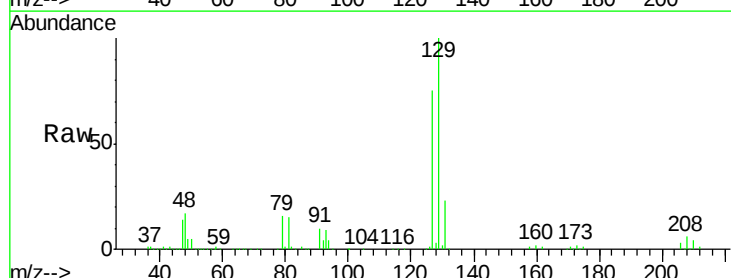
Manual Integrations
APPROVED

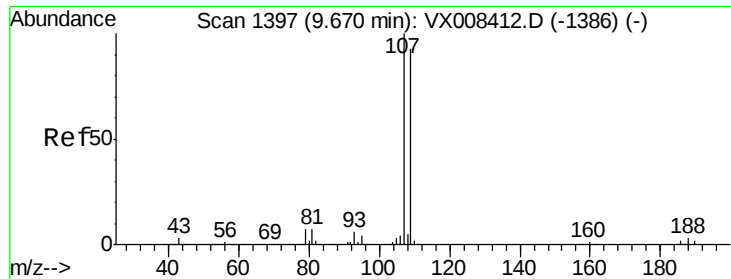
MMDadoda
3/29/2019 10:51:33 AM



#60
Dibromochloromethane
Concen: 52.970 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion: 129 Resp: 138613
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 50.152 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 140828

Ion Ratio Lower Upper

107 100

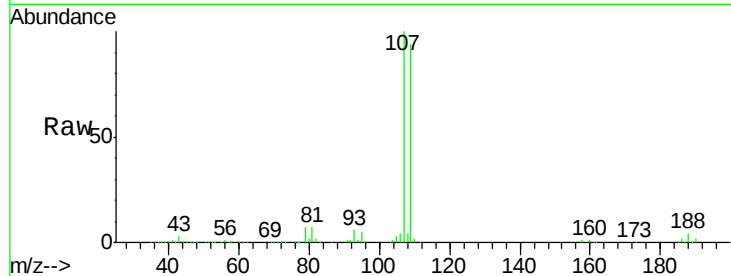
109 93.9 74.6 111.8

Manual Integrations

APPROVED

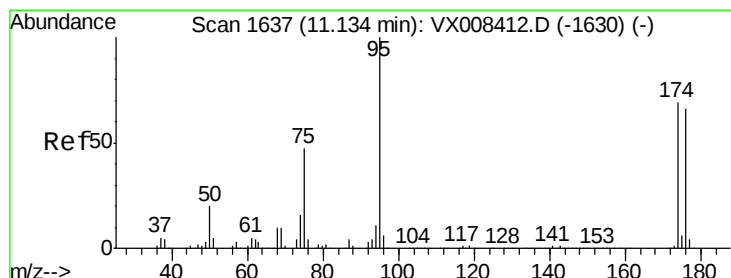
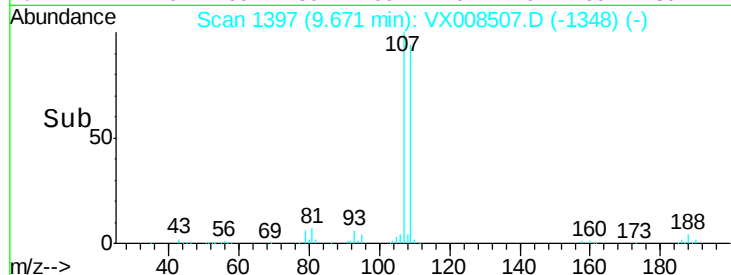
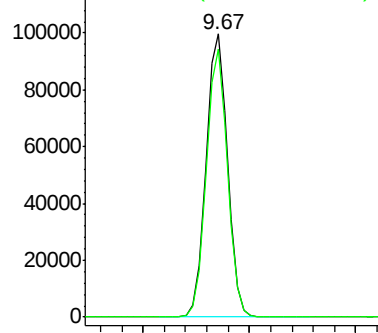
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.710 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

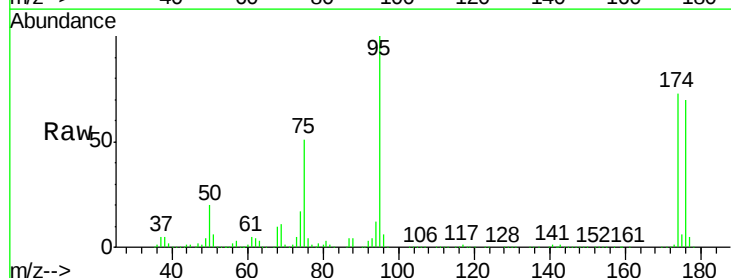
Tgt Ion: 95 Resp: 183782

Ion Ratio Lower Upper

95 100

174 75.2 0.0 147.2

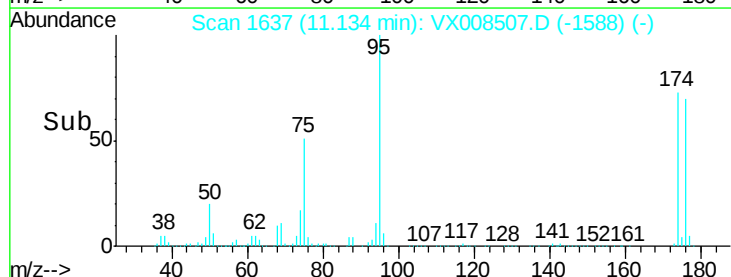
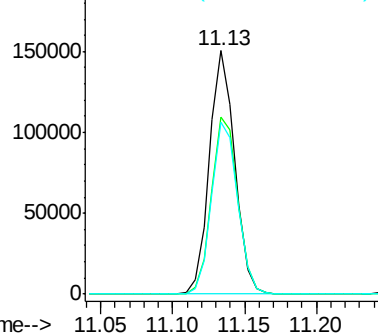
176 72.7 0.0 142.4

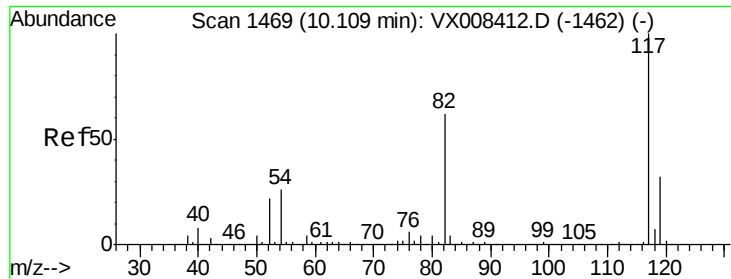


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





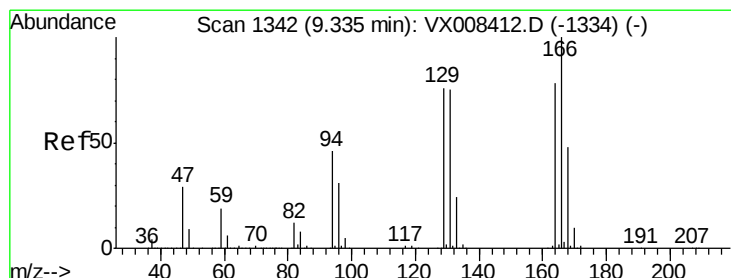
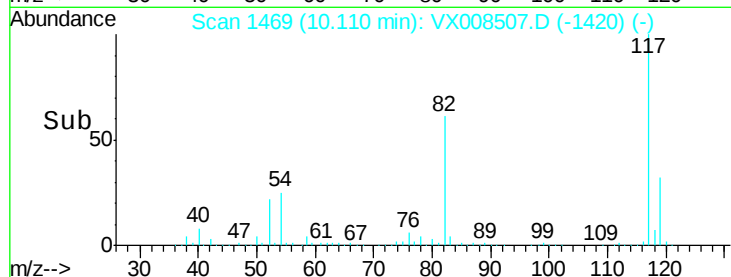
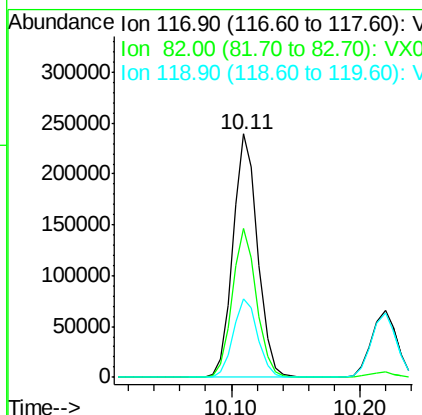
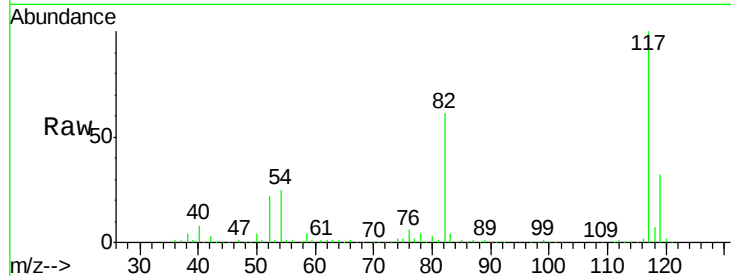
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	49.4	74.2
119	32.2	25.4	38.0

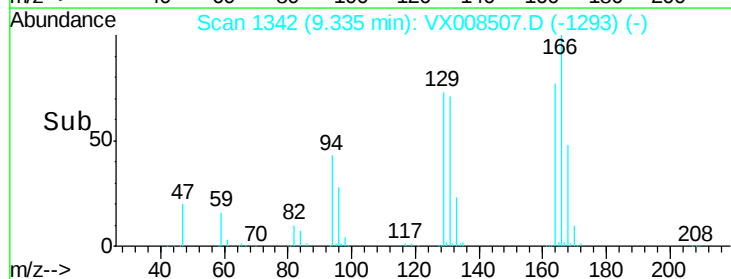
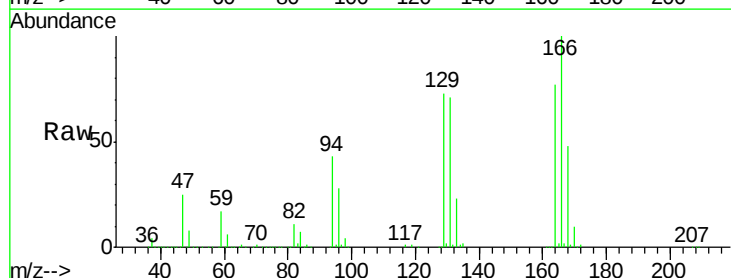
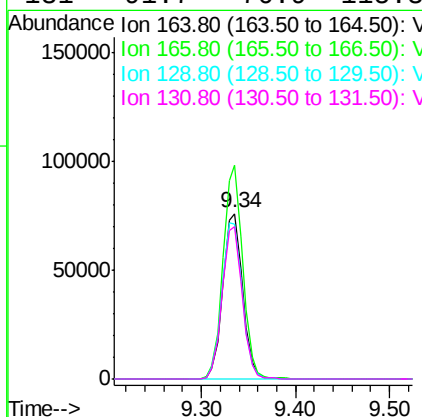
Manual Integrations
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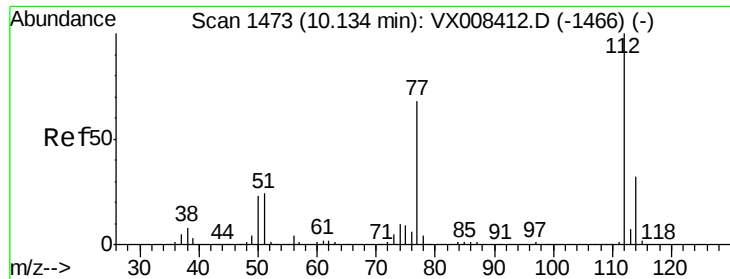
MMDadoda
3/29/2019 10:51:33 AM



#64
Tetrachloroethene
Concen: 51.176 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	102.5	153.7
129	93.7	77.8	116.8
131	91.7	76.9	115.3





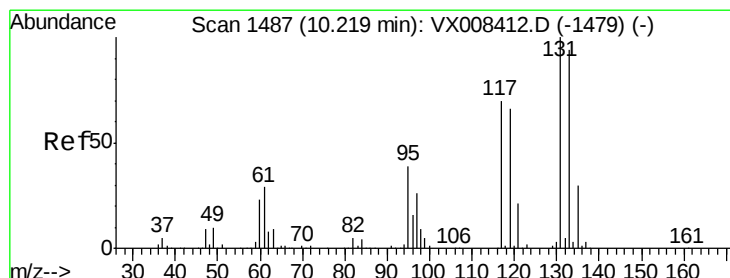
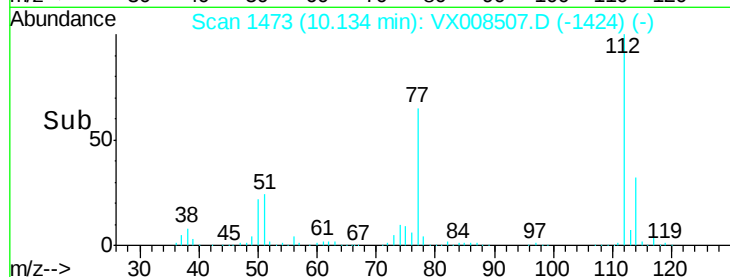
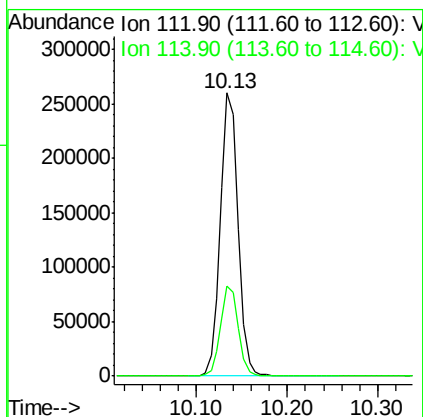
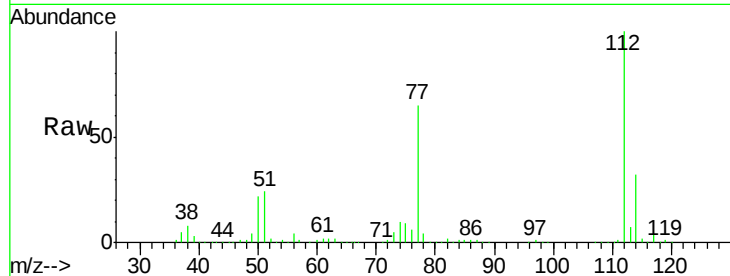
#65
Chlorobenzene
Concen: 51.158 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 355263
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

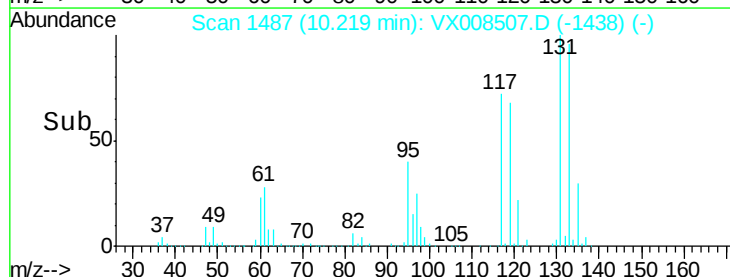
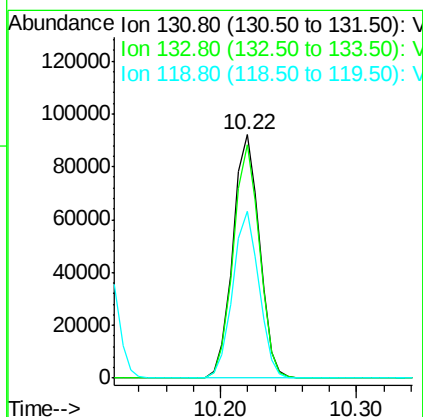
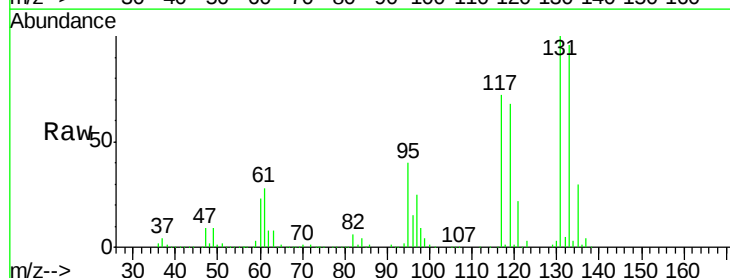
Manual Integrations
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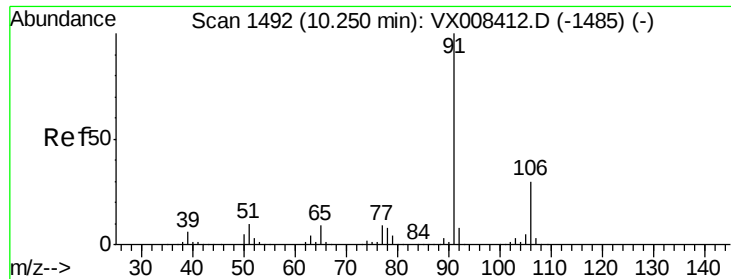
MMDadoda
3/29/2019 10:51:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.286 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion:131 Resp: 125273
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.8
119 67.9 33.6 100.6





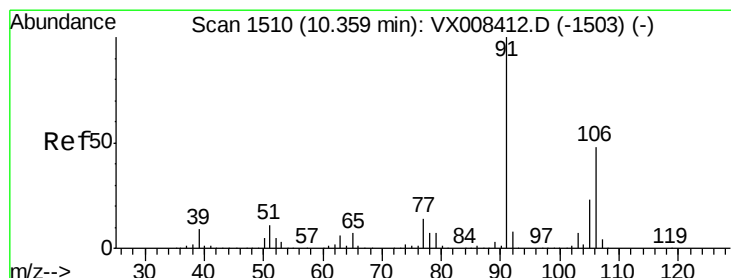
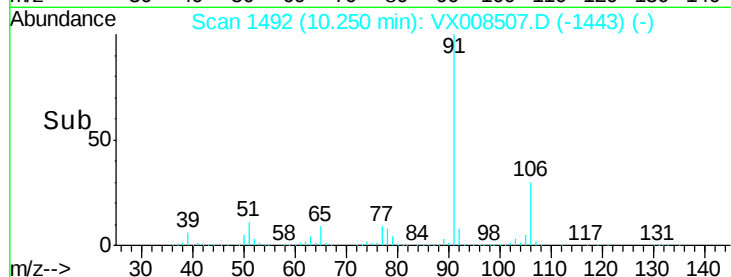
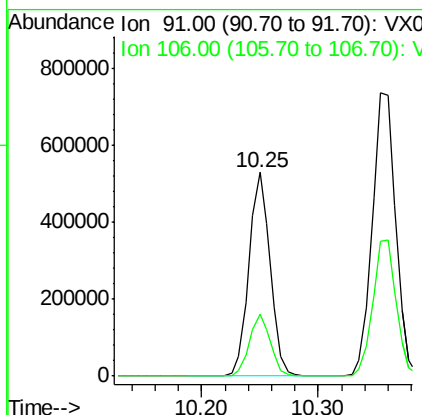
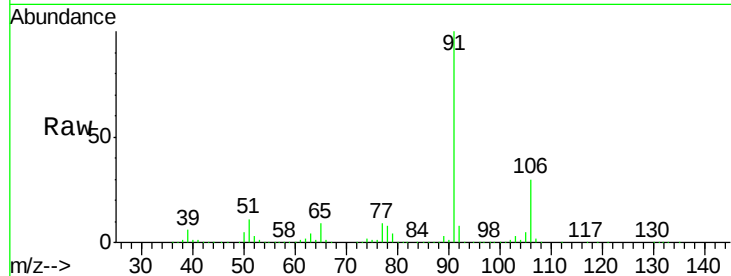
#67
Ethyl Benzene
Concen: 51.534 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 675409
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

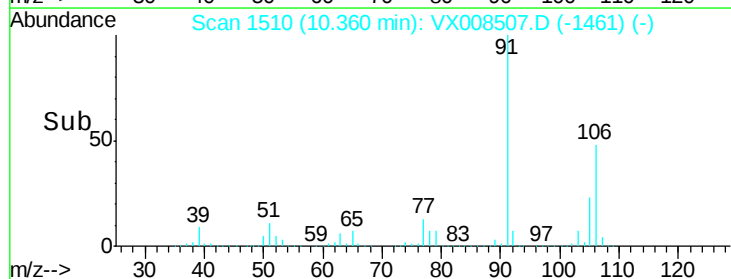
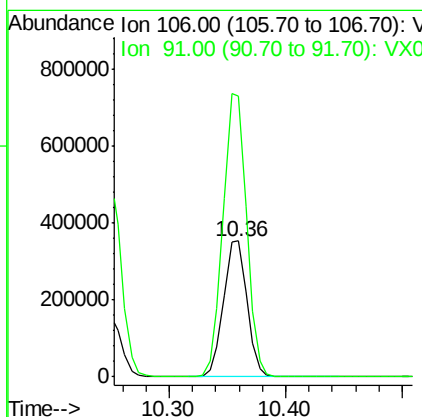
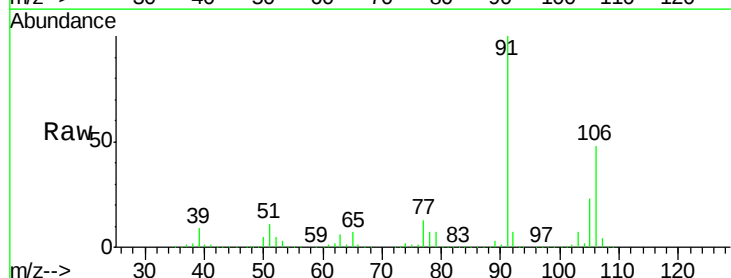
Manual Integrations
APPROVED

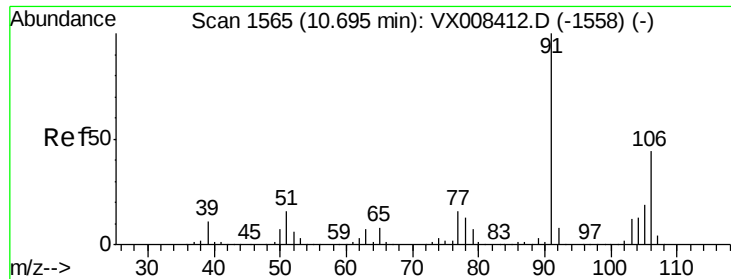
MMDadoda
3/29/2019 10:51:33 AM



#68
m/p-Xylenes
Concen: 103.665 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion: 106 Resp: 494269
Ion Ratio Lower Upper
106 100
91 209.8 168.6 253.0





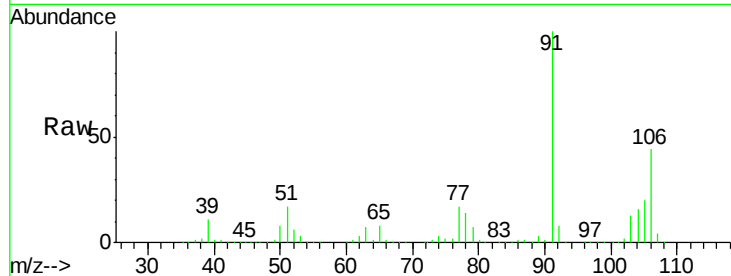
#69
o-Xylene
Concen: 51.211 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

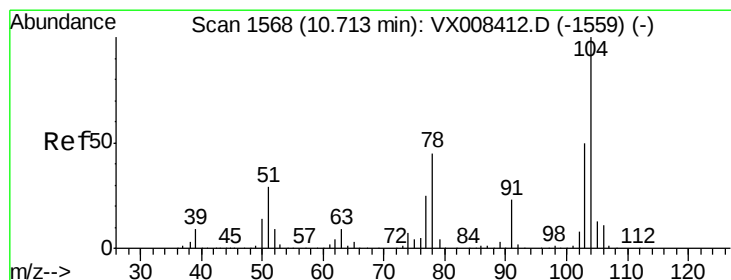
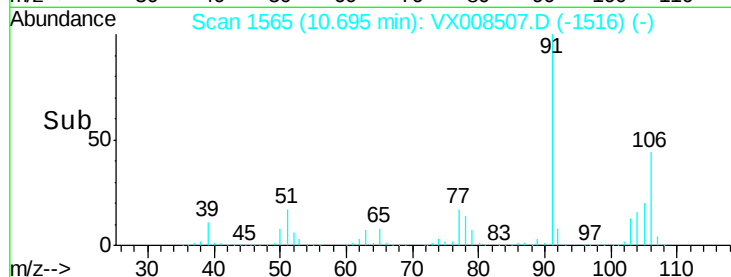
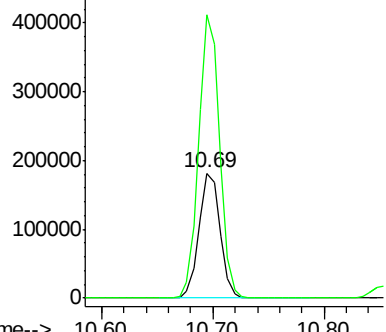
Tot Ion:106 Resp: 236953
Ion Ratio Lower Upper
106 100
91 224.0 111.4 334.2

Manual Integrations
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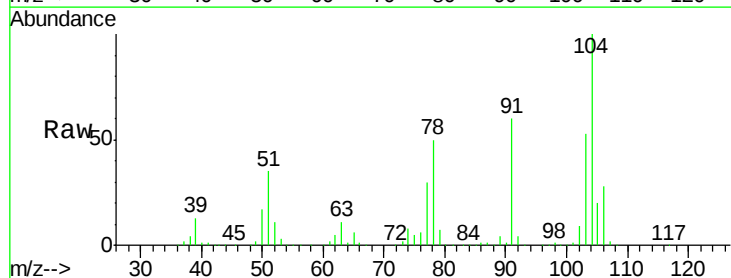


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

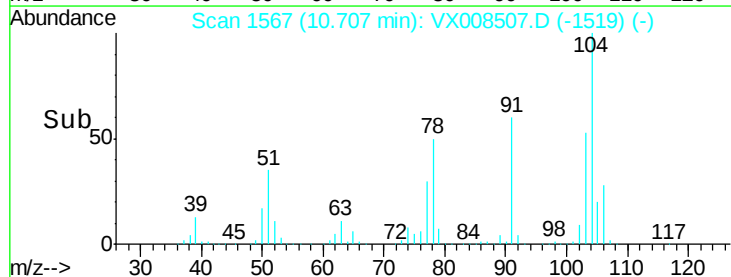
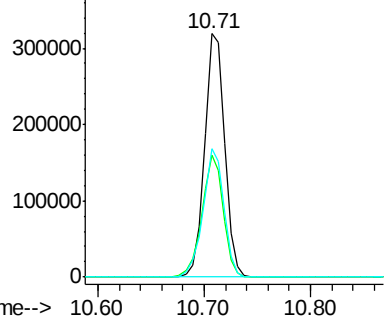


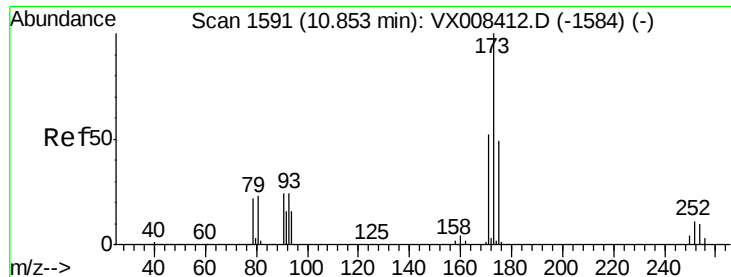
#70
Styrene
Concen: 52.887 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion:104 Resp: 422699
Ion Ratio Lower Upper
104 100
78 52.9 42.5 63.7
103 54.9 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.255 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 102656

Ion Ratio Lower Upper

173 100

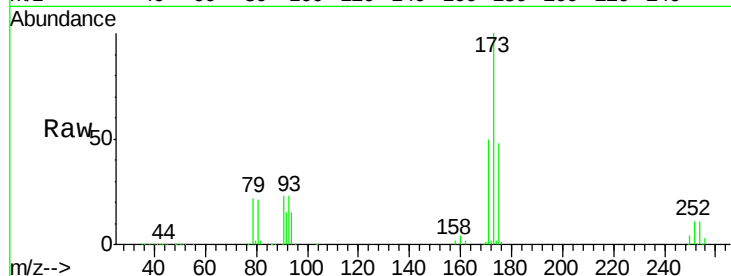
175 48.3 24.3 72.8

254 0.2 0.2 0.2

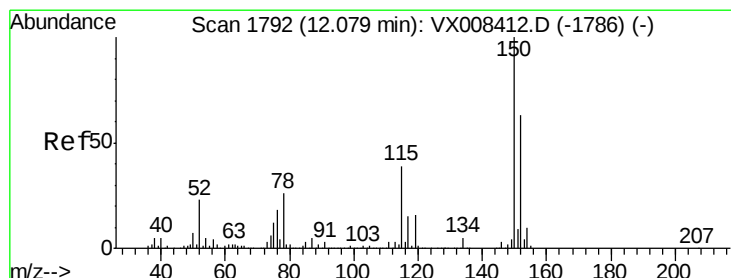
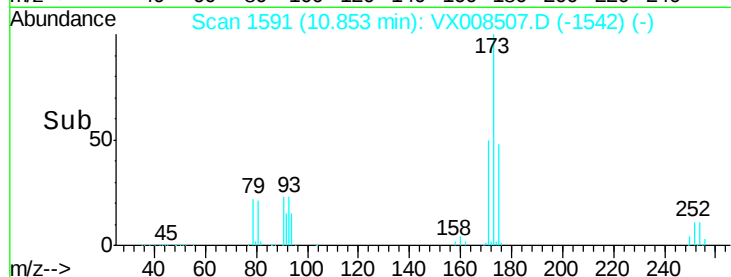
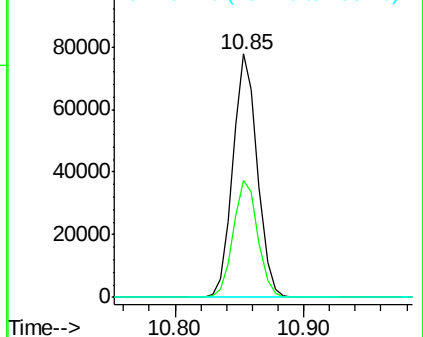
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

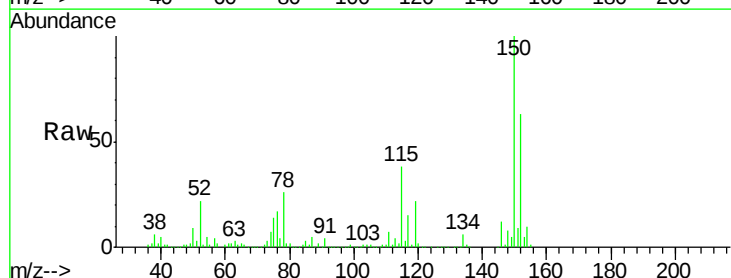
Tgt Ion:152 Resp: 159238

Ion Ratio Lower Upper

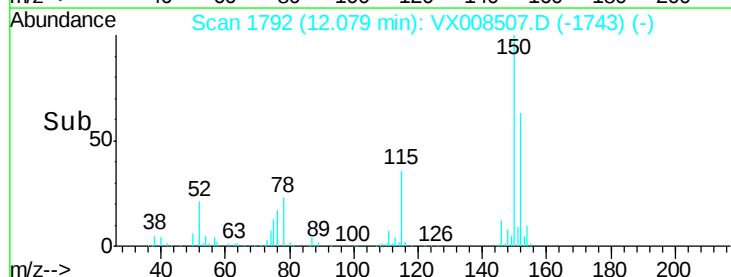
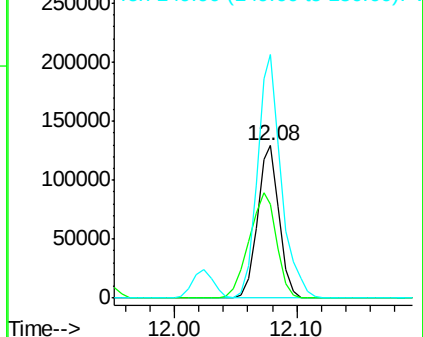
152 100

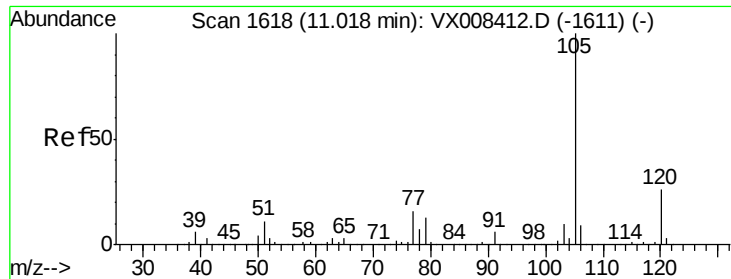
115 87.5 43.5 130.5

150 174.9 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.636 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 643024

Ion Ratio Lower Upper

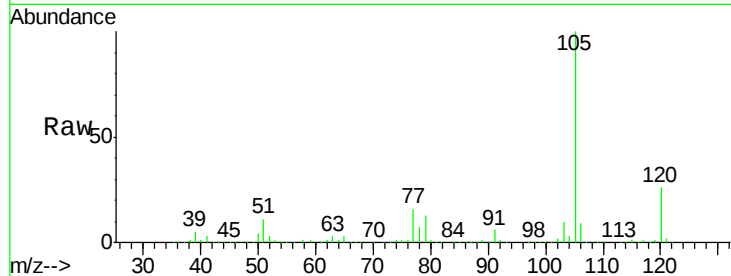
105 100

120 25.5 12.9 38.7

Manual Integrations
APPROVED

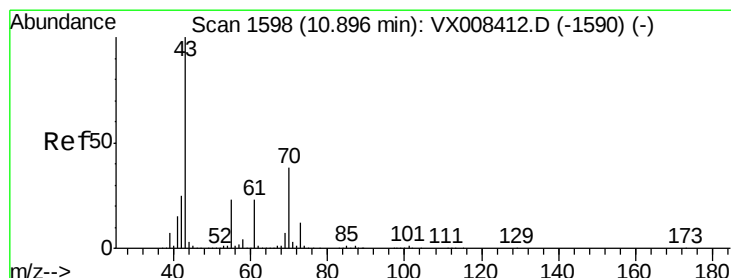
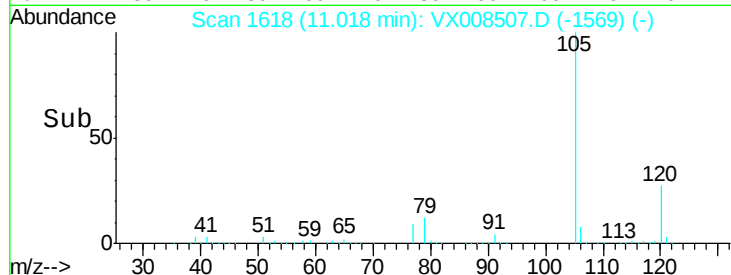
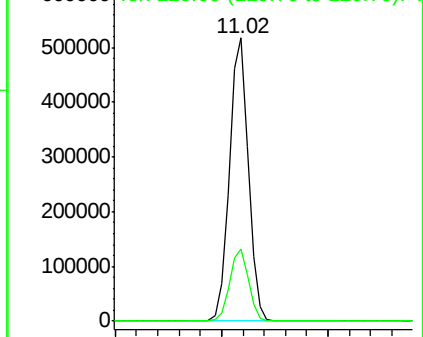
MMDadoda

3/29/2019 10:51:33 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.265 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Tgt Ion: 43 Resp: 376904

Ion Ratio Lower Upper

43 100

70 38.0 30.5 45.7

55 22.7 18.2 27.2

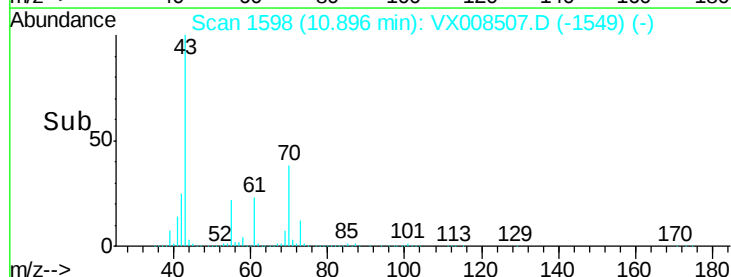
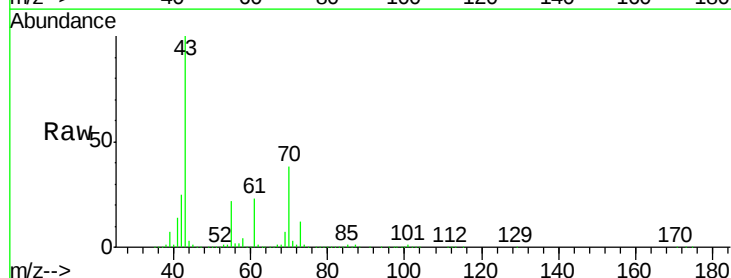
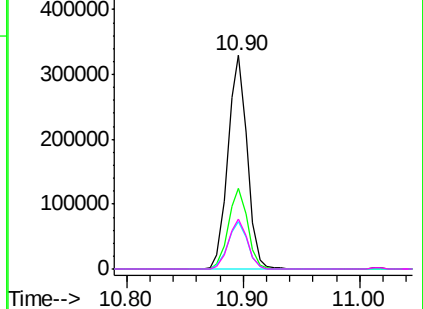
61 23.1 18.4 27.6

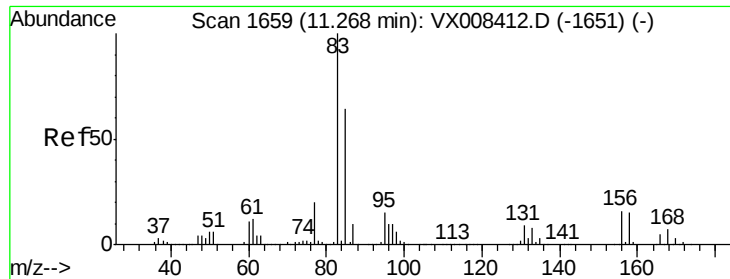
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.677 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

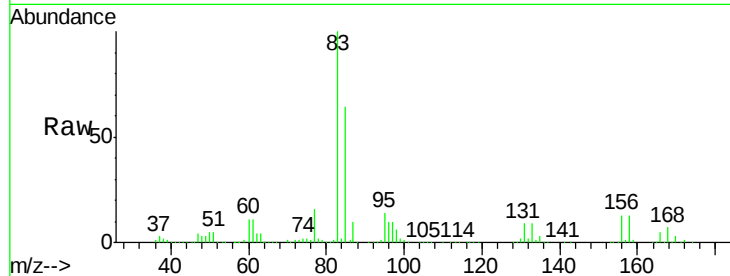
ClientSampleId :

VSTDCCC050

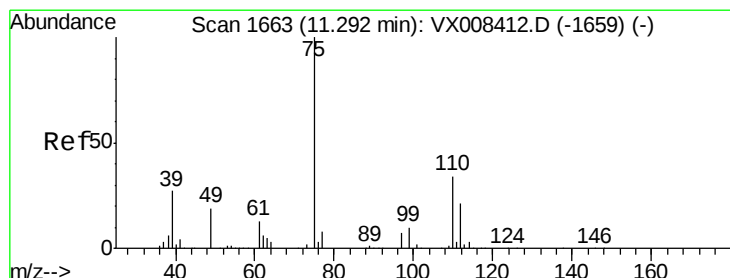
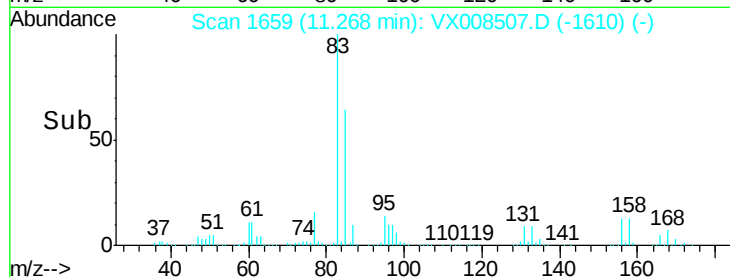
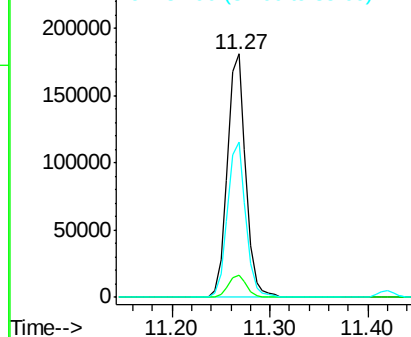
Tot Ion:	83	Resp:	234616
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.4
85	64.1	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 42.618 ug/l m

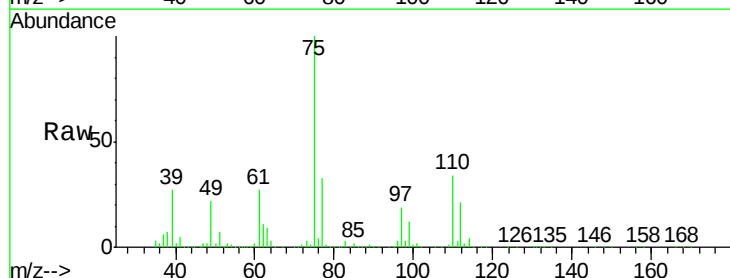
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

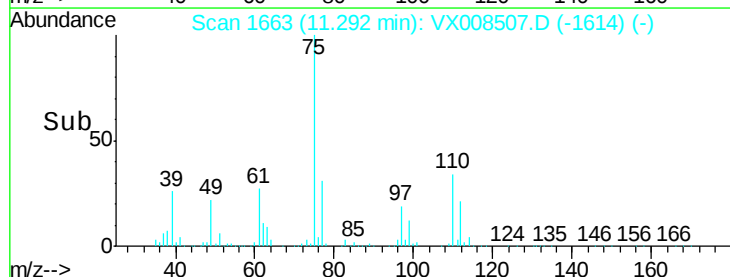
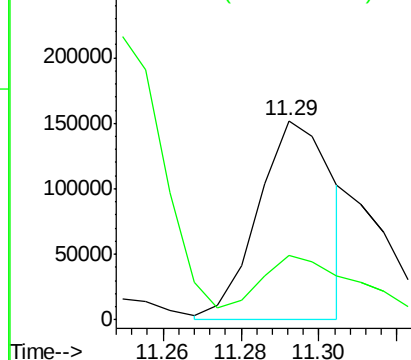
Lab File: VX008507.D

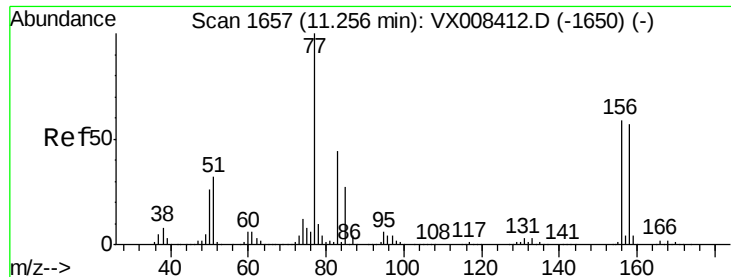
Acq: 28 Mar 2019 09:58

Tgt Ion:	75	Resp:	201754
Ion Ratio	Lower	Upper	
75	100		
77	43.4	21.9	65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.612 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

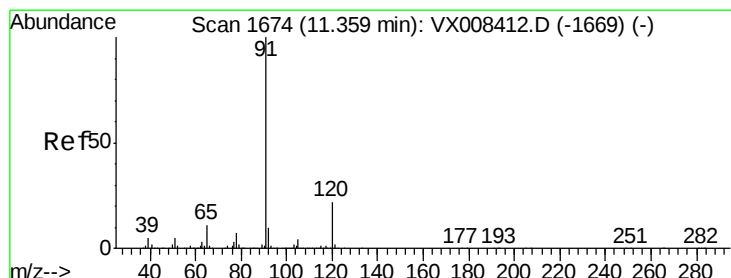
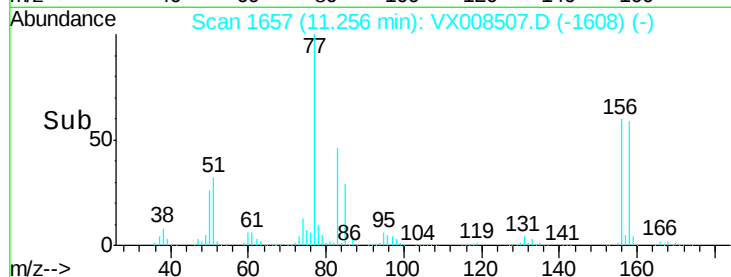
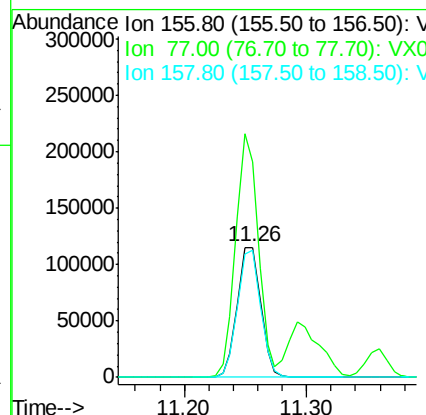
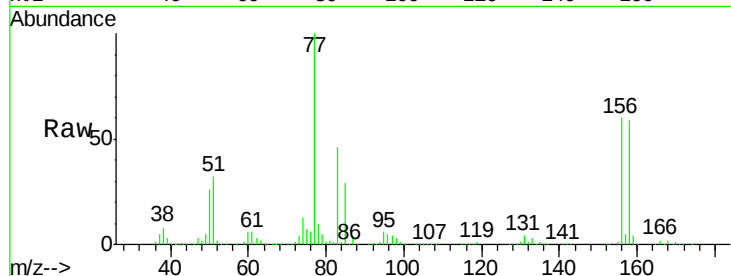
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.9	91.1	273.3
158	96.3	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 51.019 ug/l

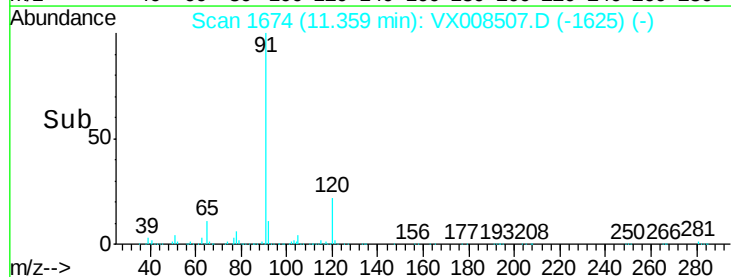
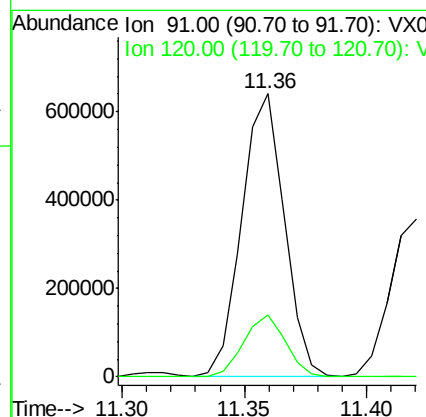
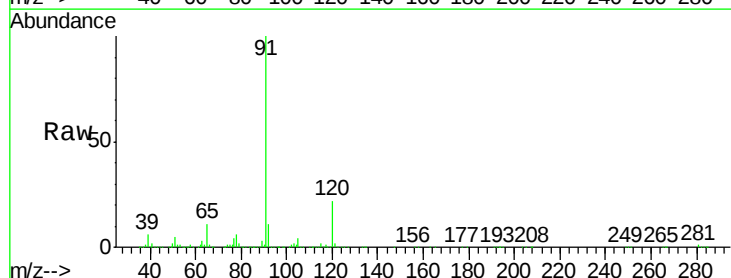
RT: 11.36 min Scan# 1674

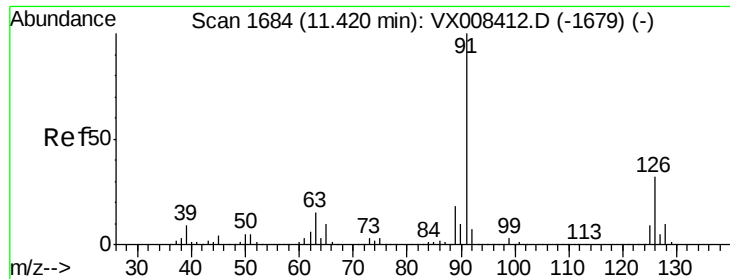
Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





#79

2-Chlorotoluene

Concen: 48.992 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 452219

Ion Ratio Lower Upper

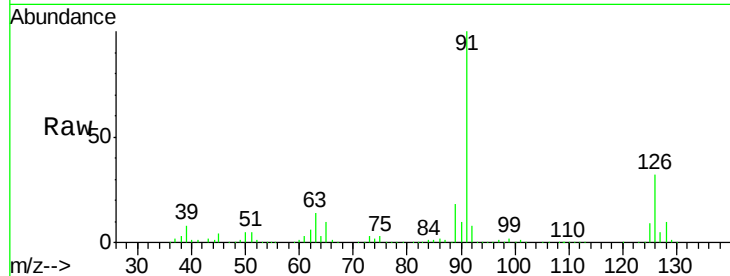
91 100

126 32.0 15.7 47.1

Manual Integrations
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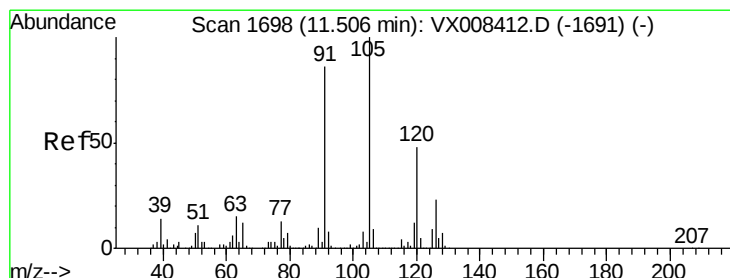
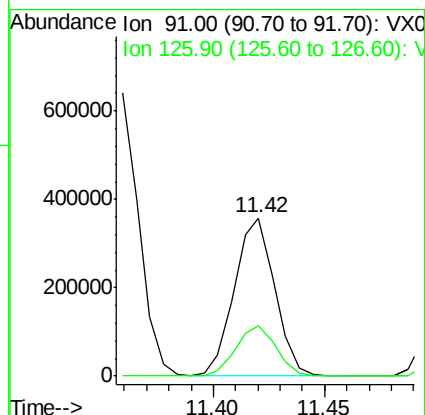
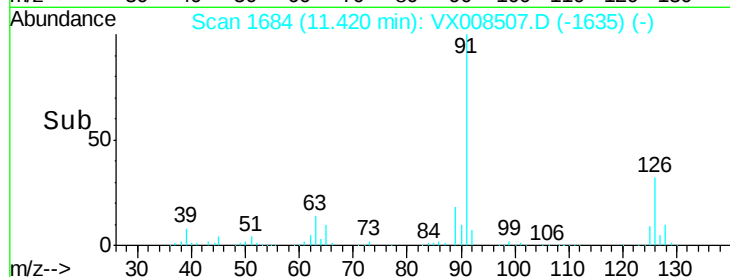
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Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008412.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.851 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008507.D

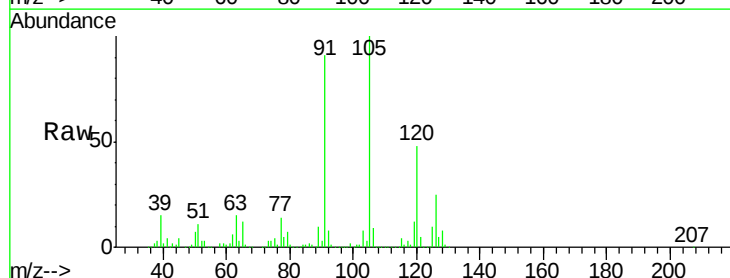
Acq: 28 Mar 2019 09:58

Tgt Ion: 105 Resp: 545985

Ion Ratio Lower Upper

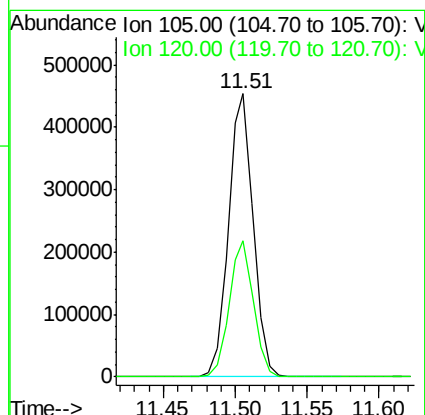
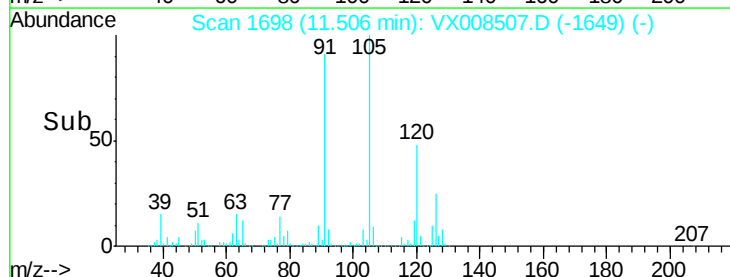
105 100

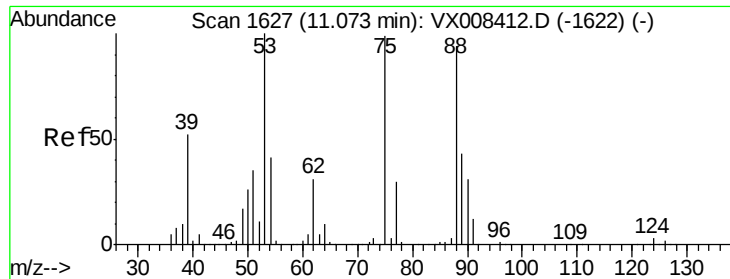
120 47.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VX008412.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX008412.D (-1691) (-)





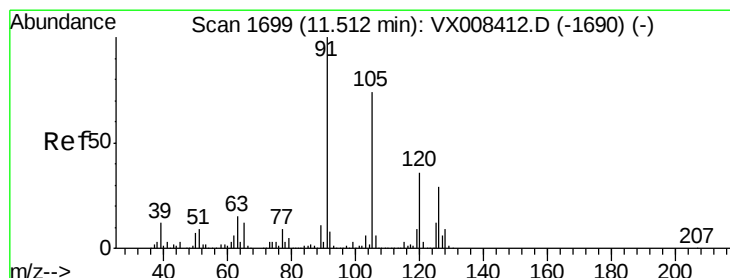
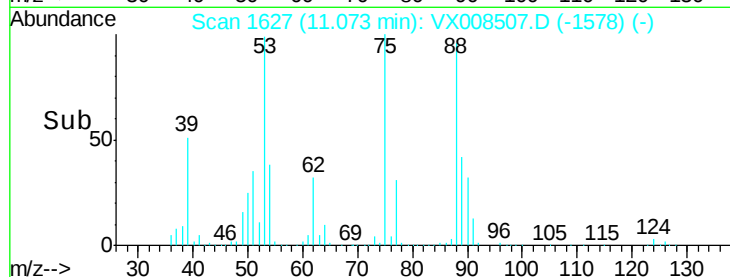
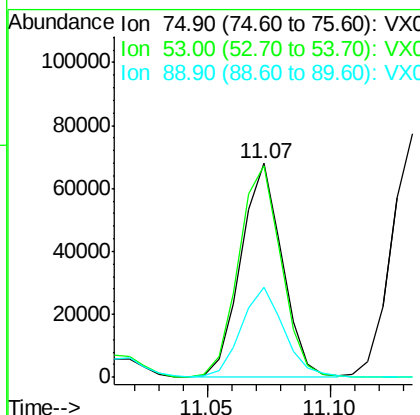
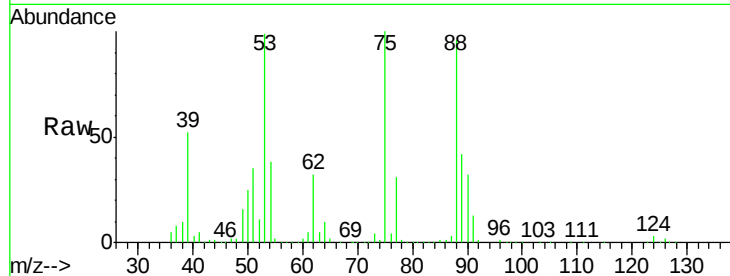
#81
trans-1,4-Dichloro-2-butene
Concen: 53.880 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 79638
Ion Ratio Lower Upper
75 100
53 102.3 82.1 123.1
89 44.0 34.6 52.0

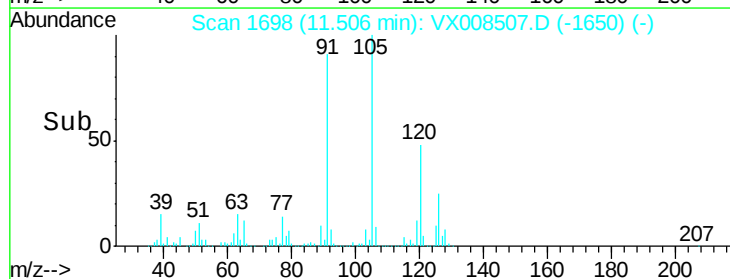
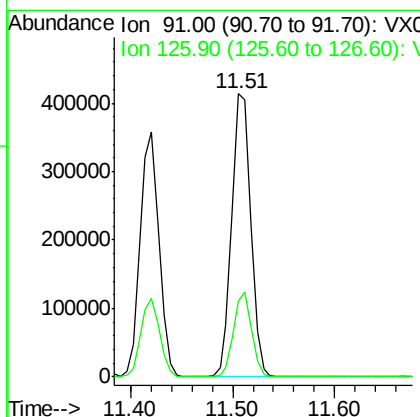
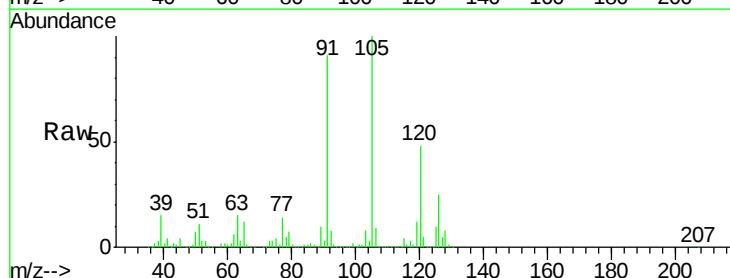
Manual Integrations
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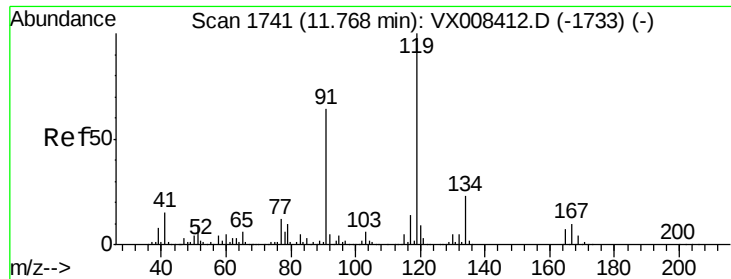
MMDadoda
3/29/2019 10:51:33 AM



#82
4-Chlorotoluene
Concen: 49.864 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion: 91 Resp: 530910
Ion Ratio Lower Upper
91 100
126 28.1 13.9 41.7





#83

tert-Butylbenzene

Concen: 49.738 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

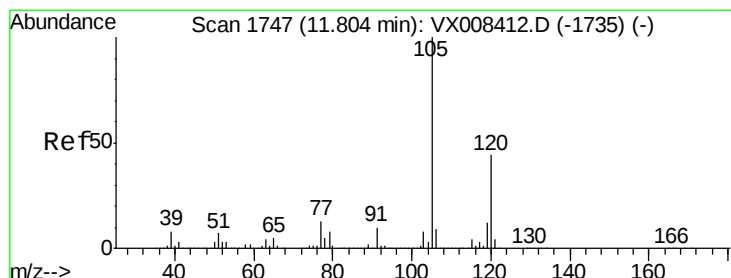
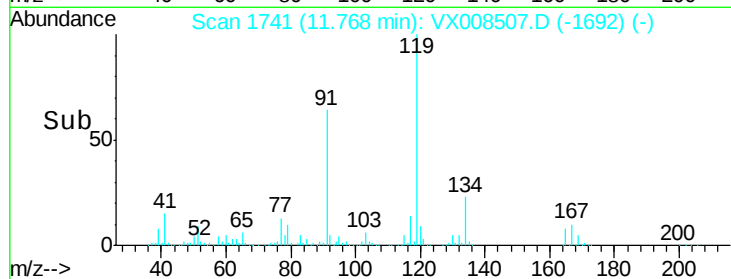
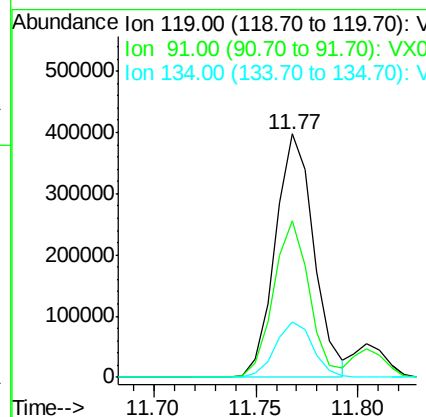
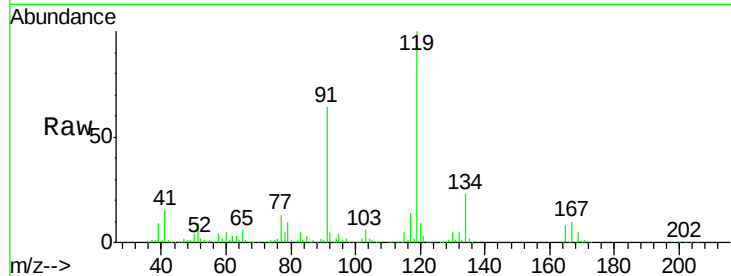
ClientSampled :

VSTDCCC050

Tot Ion:	119	Resp:	525573
Ion Ratio	Lower	Upper	
119	100		
91	60.4	30.1	90.3
134	22.2	10.9	32.9

Manual Integrations
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3/29/2019 10:51:33 AM



#84

1,2,4-Trimethylbenzene

Concen: 50.137 ug/l

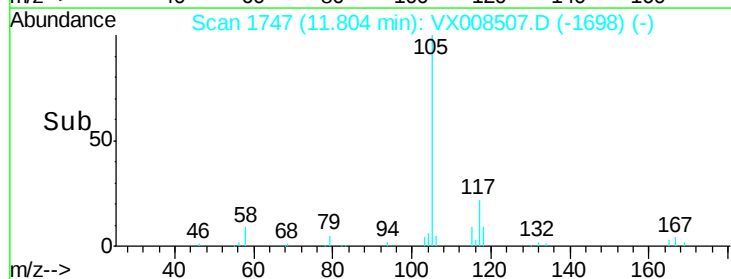
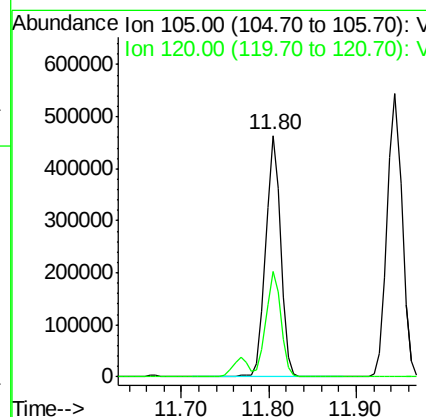
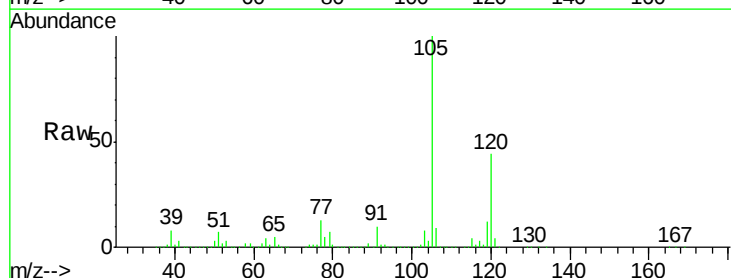
RT: 11.80 min Scan# 1747

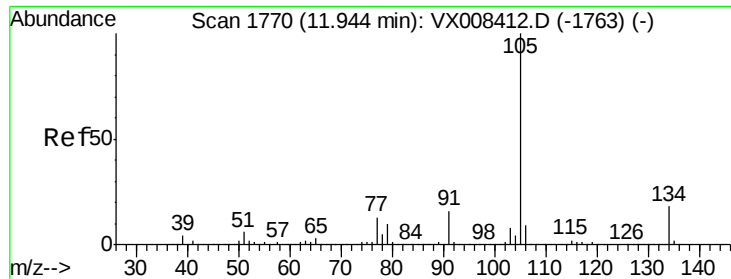
Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Tgt Ion:	105	Resp:	555399
Ion Ratio	Lower	Upper	
105	100		
120	43.7	21.6	65.0





#85

sec-Butylbenzene

Concen: 51.001 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 641771

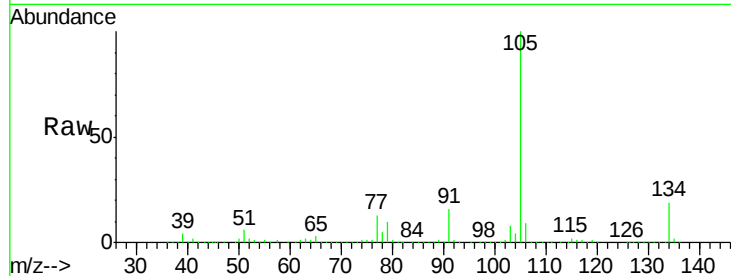
Ion Ratio Lower Upper

105 100

134 18.8 9.3 28.0

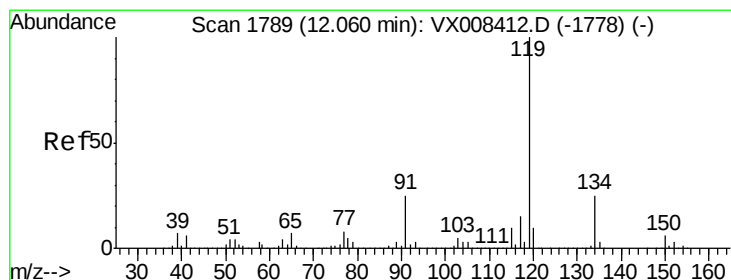
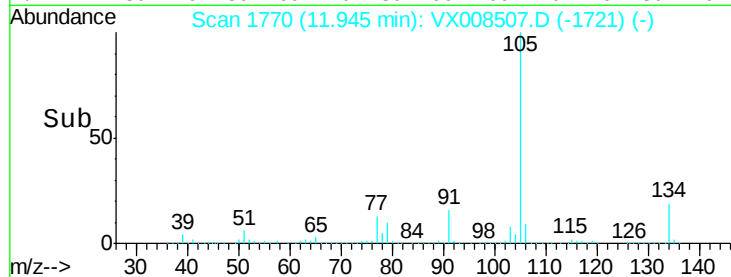
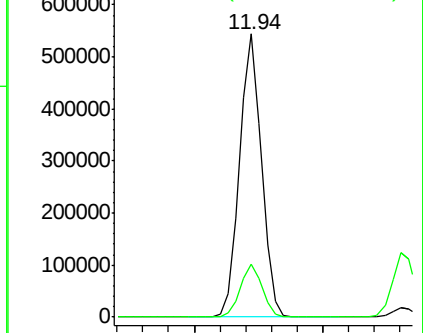
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.085 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

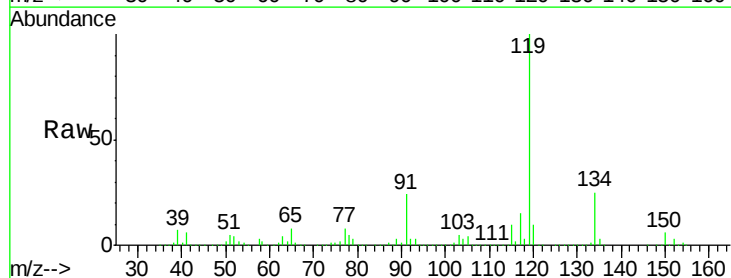
Tgt Ion:119 Resp: 578328

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

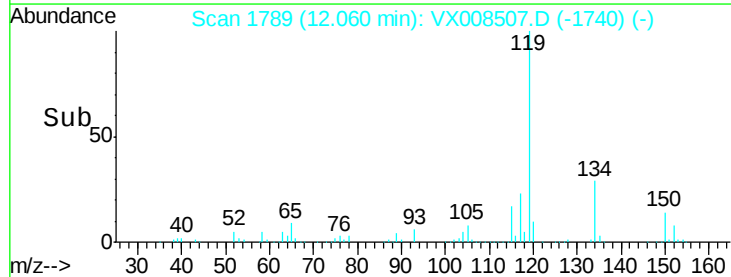
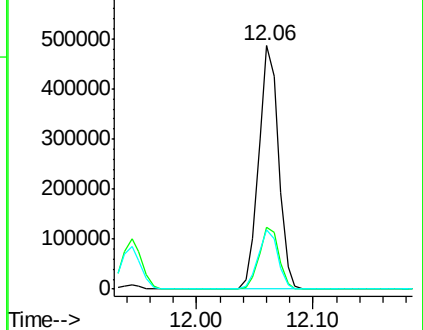
91 24.3 12.4 37.0

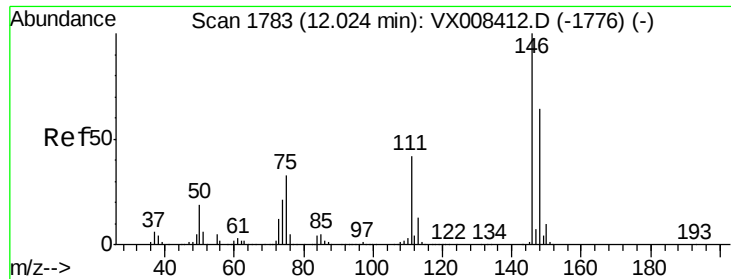


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





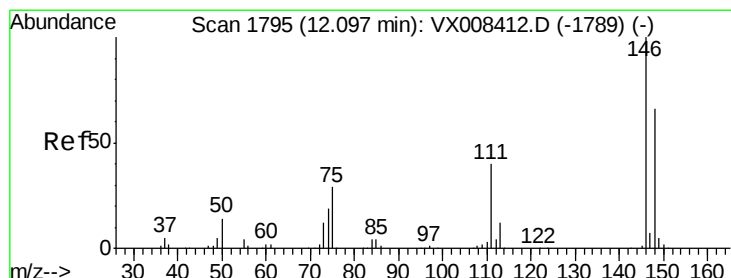
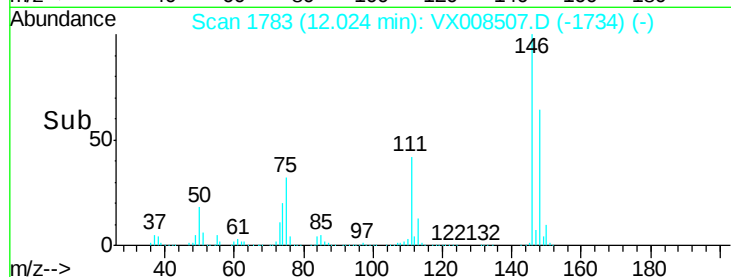
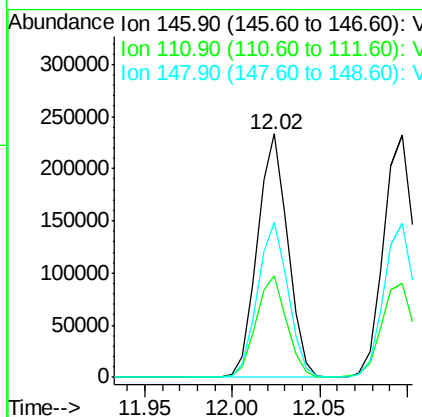
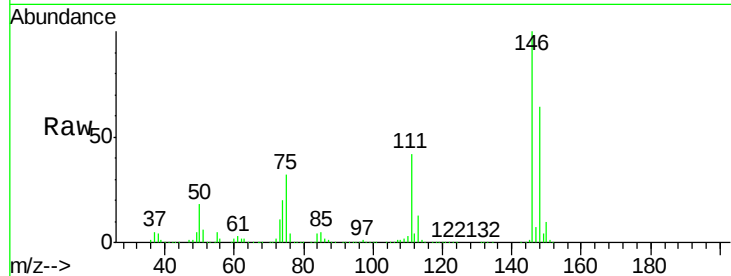
#87
 1,3-Dichlorobenzene
 Concen: 50.214 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	63.7	32.0	96.0

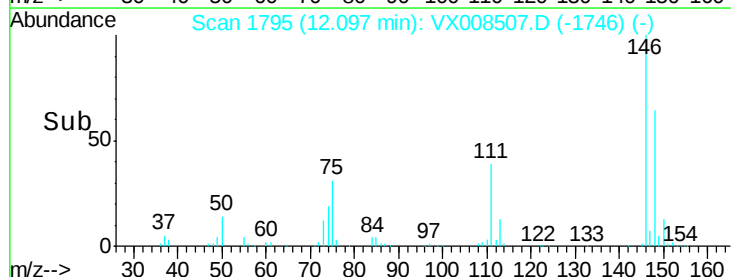
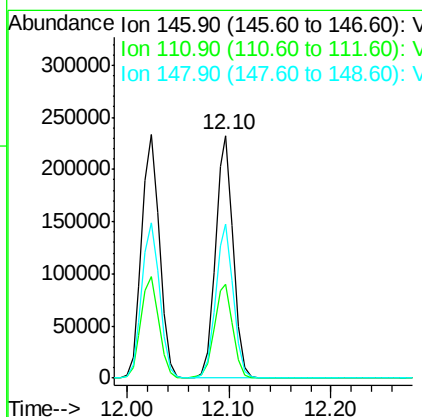
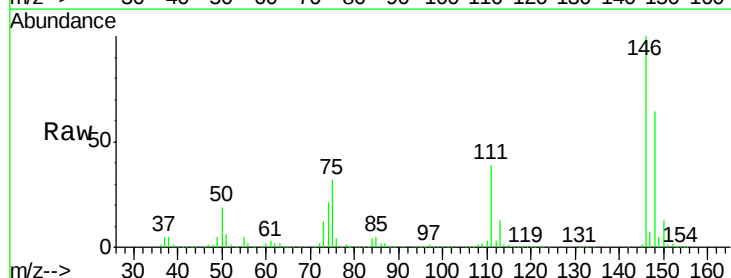
Manual Integrations
 APPROVED

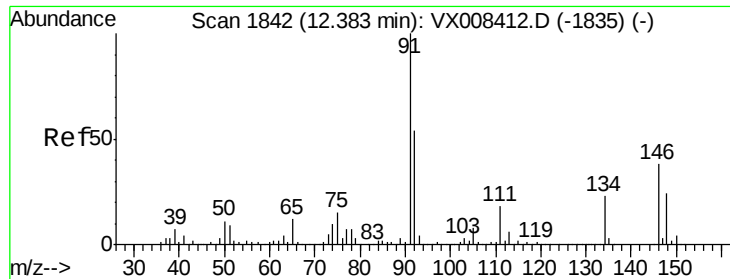
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 3/29/2019 10:51:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.084 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	61.0
148	63.6	32.1	96.5





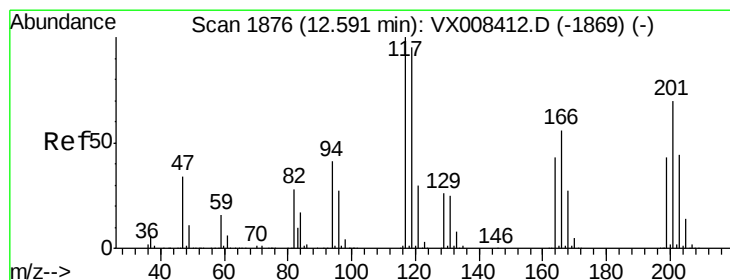
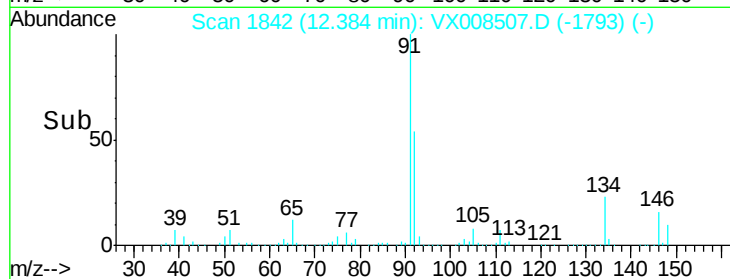
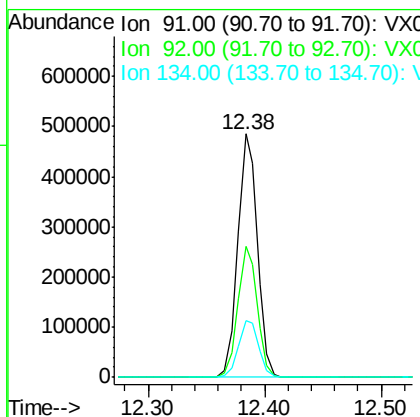
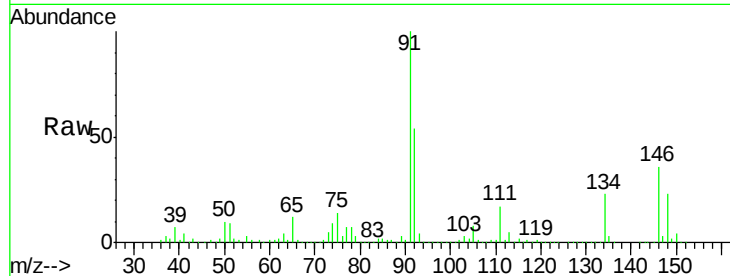
#89
n-Butylbenzene
Concen: 54.054 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.5
134	24.0	11.8	35.4

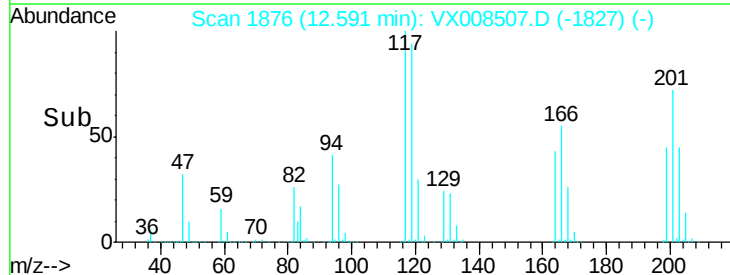
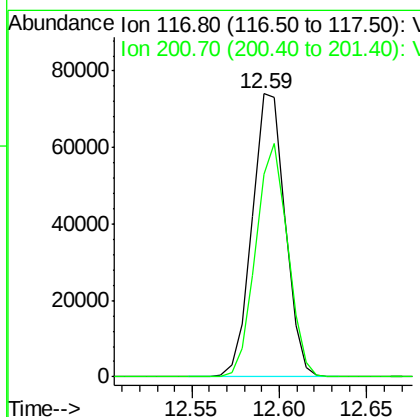
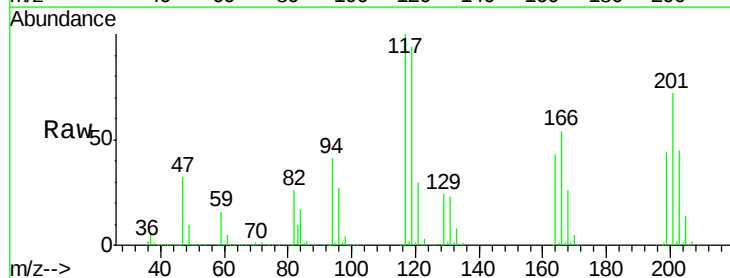
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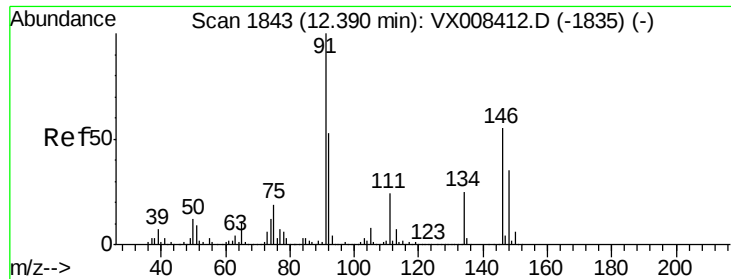
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#90
Hexachloroethane
Concen: 52.562 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX008507.D
Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	39.4	118.1





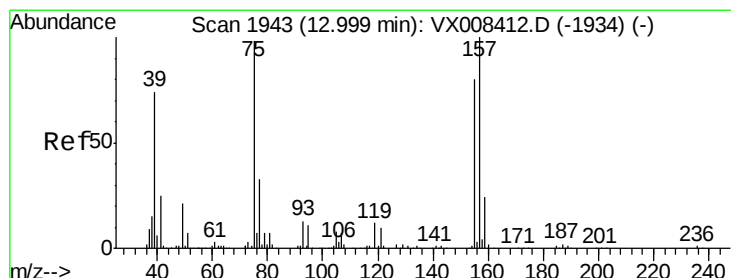
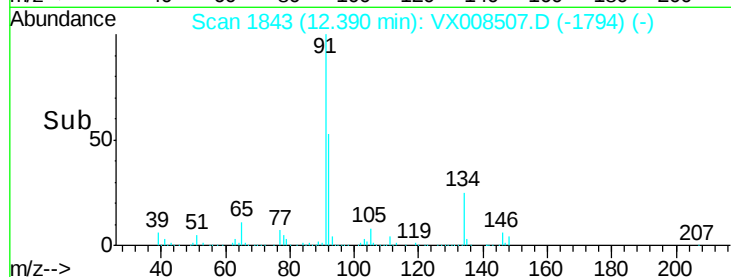
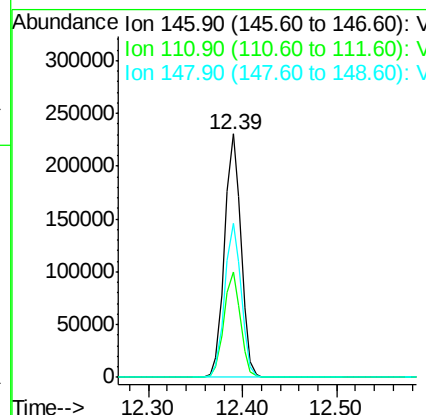
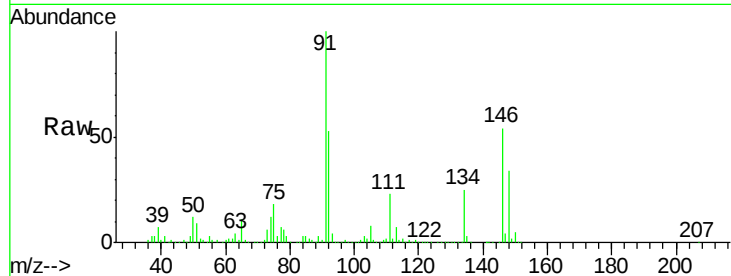
#91
 1,2-Dichlorobenzene
 Concen: 49.662 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.4	31.9	95.7

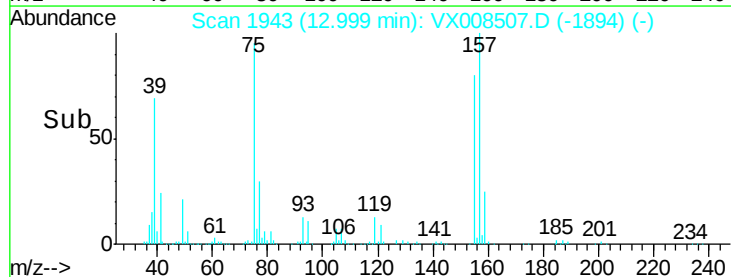
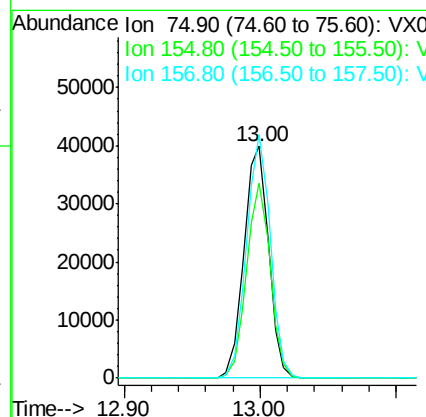
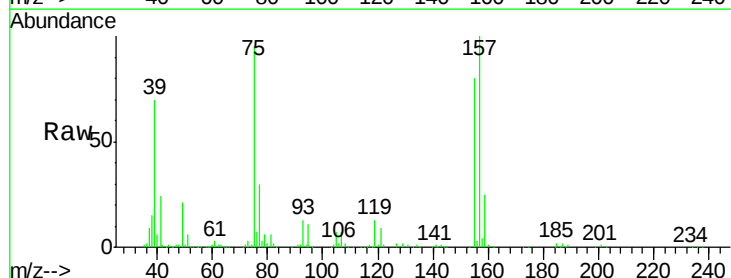
Manual Integrations
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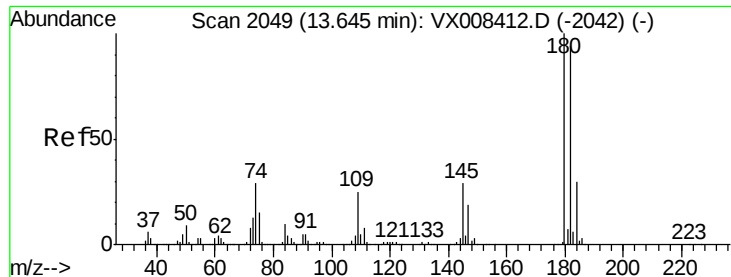
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.010 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	39.5	118.5
157	101.6	49.9	149.7





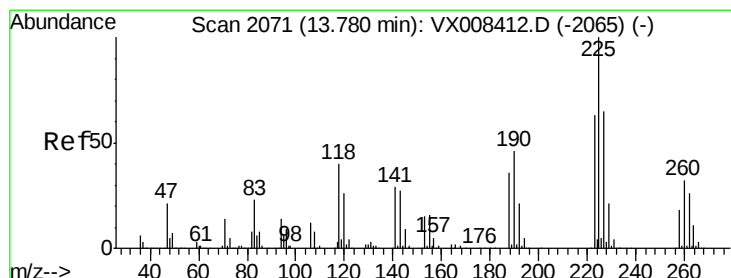
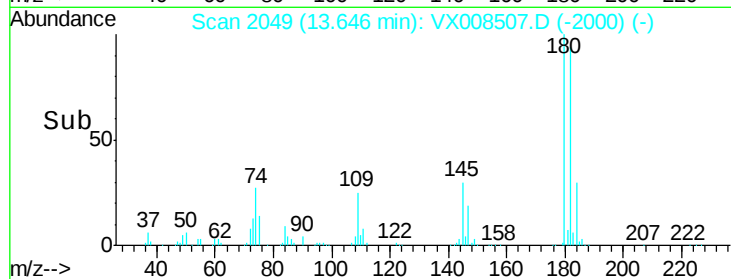
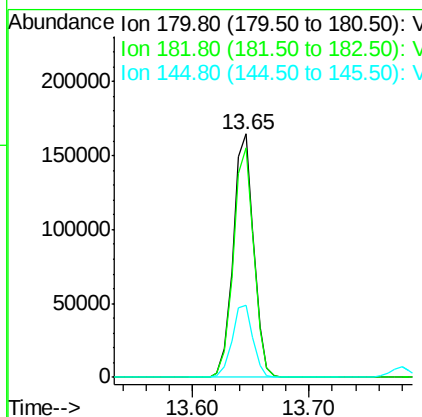
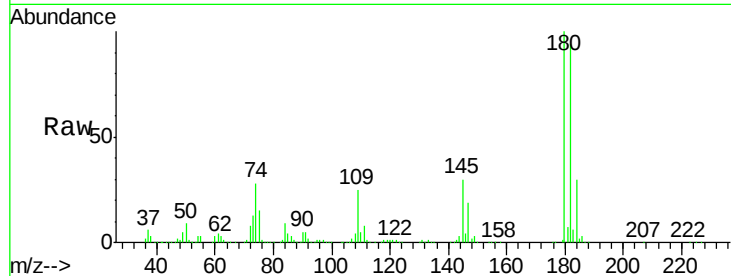
#93
 1,2,4-Trichlorobenzene
 Concen: 53.036 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	200874
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.3	142.0
145	30.4	15.3	45.8

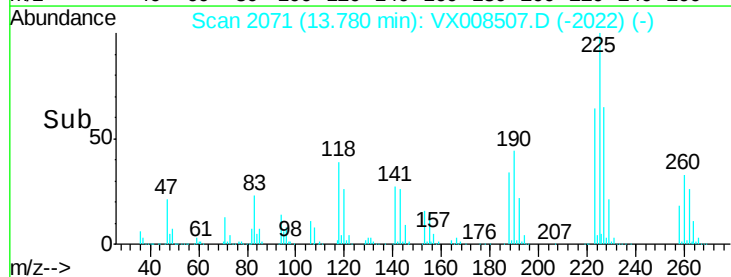
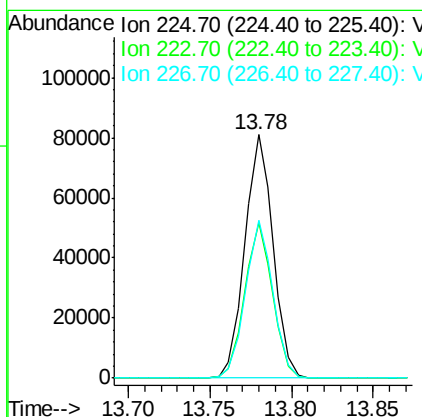
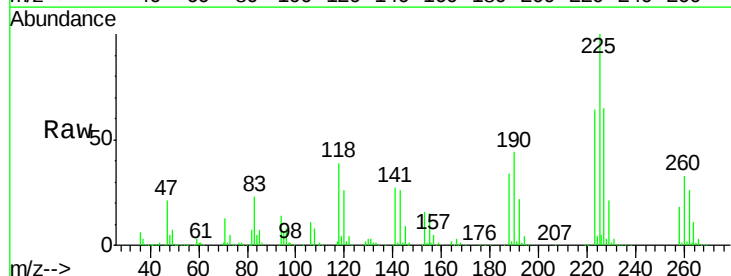
Manual Integrations
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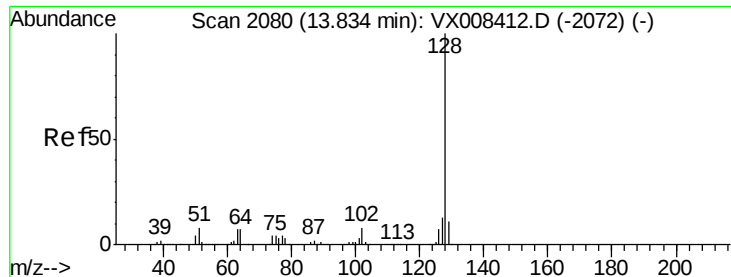
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#94
 Hexachlorobutadiene
 Concen: 54.222 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008507.D
 Acq: 28 Mar 2019 09:58

Tgt Ion:	225	Resp:	97514
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.4	94.0
227	63.1	31.9	95.9





#95

Naphthalene

Concen: 49.500 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Instrument :

MSVOA_X

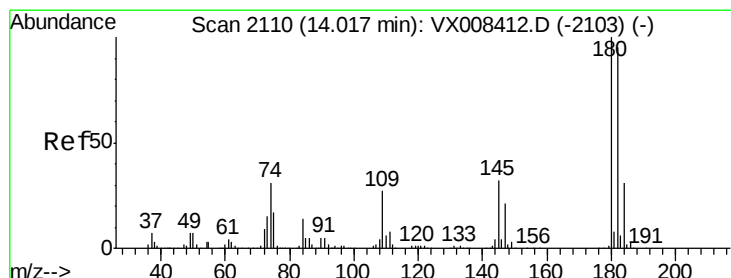
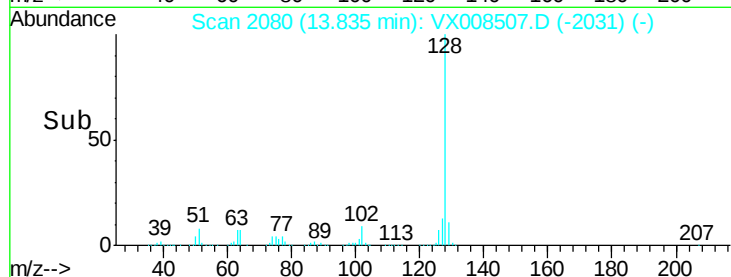
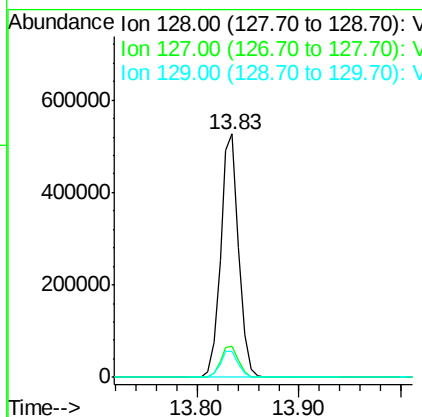
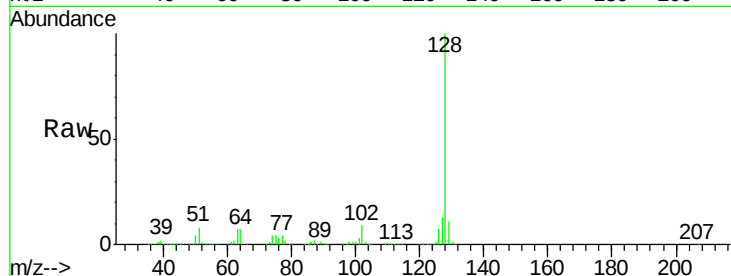
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	642763
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 51.106 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008507.D

Acq: 28 Mar 2019 09:58

Tgt Ion:	180	Resp:	194505
Ion Ratio		Lower	Upper
180	100		
182	95.8	47.3	142.0
145	32.0	16.2	48.5

