

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032919\
 Data File : VX008548.D
 Acq On : 29 Mar 2019 16:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/30/2019 9:50:55 AM

Quant Time: Mar 30 00:31:37 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	206087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	159671	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	5.50	113	118741	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	8.71	98	481044	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
62) 4-Bromofluorobenzene	11.13	95	180150	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111159	45.759	ug/l	100
3) Chloromethane	1.32	50	146145	47.643	ug/l	99
4) Vinyl Chloride	1.40	62	153444	45.240	ug/l	98
5) Bromomethane	1.64	94	46867	27.183	ug/l	98
6) Chloroethane	1.71	64	94290	46.927	ug/l	100
7) Trichlorofluoromethane	1.92	101	179655	46.768	ug/l	98
8) Diethyl Ether	2.19	74	87945	48.376	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	118672	51.117	ug/l	99
10) Methyl Iodide	2.51	142	50540	24.655	ug/l	100
11) Tert butyl alcohol	3.06	59	195618	282.596	ug/l	100
12) 1,1-Dichloroethene	2.37	96	117902	49.175	ug/l	96
13) Acrolein	2.29	56	139382	277.275	ug/l	99
14) Allyl chloride	2.72	41	281175	53.231	ug/l	98
15) Acrylonitrile	3.15	53	493458	271.859	ug/l	100
16) Acetone	2.45	43	497090	304.413	ug/l	99
17) Carbon Disulfide	2.56	76	336051	48.843	ug/l	100
18) Methyl Acetate	2.78	43	218295	55.661	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	466028	53.939	ug/l	98
20) Methylene Chloride	2.85	84	145250	54.559	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	126142	52.815	ug/l	98
22) Diisopropyl ether	3.86	45	553994	53.265	ug/l	93
23) Vinyl Acetate	3.82	43	2491296	274.551	ug/l	99
24) 1,1-Dichloroethane	3.70	63	272416	51.880	ug/l	100
25) 2-Butanone	4.68	43	768001	293.364	ug/l	98
26) 2,2-Dichloropropane	4.58	77	201386	57.663	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	153208	52.257	ug/l	99
28) Bromochloromethane	5.02	49	113891	43.903	ug/l	100
29) Tetrahydrofuran	5.13	42	477557	276.782	ug/l	99
30) Chloroform	5.21	83	247652	52.261	ug/l	100
31) Cyclohexane	5.58	56	256466	51.212	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	202133	53.364	ug/l	100
36) 1,1-Dichloropropene	5.80	75	190494	51.425	ug/l	99
37) Ethyl Acetate	4.84	43	273200	56.930	ug/l	100
38) Carbon Tetrachloride	5.79	117	167390	54.148	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	235930	53.294	ug/l	98
40) Benzene	6.14	78	590258	53.226	ug/l	100
41) Methacrylonitrile	5.04	41	153757	57.014	ug/l	99
42) 1,2-Dichloroethane	6.20	62	209207	51.525	ug/l	100
43) Isopropyl Acetate	6.45	43	445951	58.098	ug/l	100
44) Trichloroethene	7.21	130	134959	51.831	ug/l	95
45) 1,2-Dichloropropane	7.51	63	171283	54.339	ug/l	100
46) Dibromomethane	7.66	93	97227	52.821	ug/l	99
47) Bromodichloromethane	7.90	83	195855	55.590	ug/l	97
48) Methyl methacrylate	7.77	41	222992	58.061	ug/l	99
49) 1,4-Dioxane	7.74	88	77927	1020.449	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1452099	291.265	ug/l	100
52) Toluene	8.79	92	355723	53.647	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	226873	58.790	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	250535	57.093	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	147580	54.675	ug/l	99
56) Ethyl methacrylate	9.18	69	282038	57.886	ug/l	99
57) 1,3-Dichloropropane	9.37	76	261526	54.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	567511	225.330	ug/l	99
59) 2-Hexanone	9.49	43	1117388	289.252	ug/l	99
60) Dibromochloromethane	9.58	129	145243	56.581	ug/l	98
61) 1,2-Dibromoethane	9.67	107	151643	55.051	ug/l	99
64) Tetrachloroethene	9.34	164	112842	53.115	ug/l	98
65) Chlorobenzene	10.14	112	368374	53.979	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	133869	56.857	ug/l	100
67) Ethyl Benzene	10.25	91	693006	53.807	ug/l	100
68) m/p-Xylenes	10.36	106	502321	107.207	ug/l	99
69) o-Xylene	10.70	106	244141	53.693	ug/l	100
70) Styrene	10.71	104	430020	54.750	ug/l	100
71) Bromoform	10.86	173	107337	57.727	ug/l	99
73) Isopropylbenzene	11.02	105	648001	54.033	ug/l	100
74) N-amyl acetate	10.90	43	394631	56.851	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	243213	52.269	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	208860m	47.659	ug/l	
77) Bromobenzene	11.26	156	154176	52.970	ug/l	99
78) n-propylbenzene	11.36	91	767467	54.630	ug/l	100
79) 2-Chlorotoluene	11.42	91	452782	52.989	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	553229	54.565	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	85463	62.460	ug/l	98
82) 4-Chlorotoluene	11.51	91	522747	53.036	ug/l	100
83) tert-Butylbenzene	11.77	119	541330	55.340	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	555014	54.122	ug/l	100
85) sec-Butylbenzene	11.94	105	631633	54.222	ug/l	99
86) p-Isopropyltoluene	12.06	119	574428	55.884	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	274021	52.692	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	272412	51.904	ug/l	100
89) n-Butylbenzene	12.39	91	547619	56.240	ug/l	99
90) Hexachloroethane	12.60	117	96356	56.269	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	270486	51.939	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55232	54.438	ug/l	99

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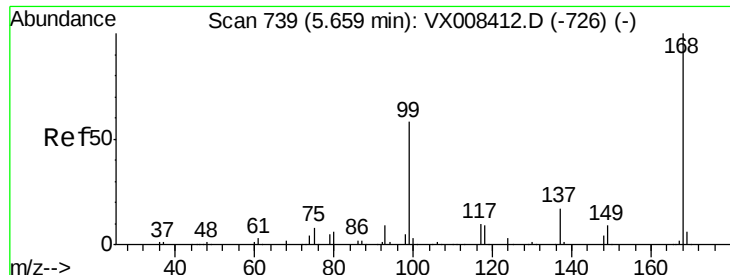
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	191105	54.505	ug/l	99
94) Hexachlorobutadiene	13.78	225	92210	55.386	ug/l	100
95) Naphthalene	13.83	128	657705	54.714	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	189408	53.760	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 206087

Ion Ratio Lower Upper

168 100

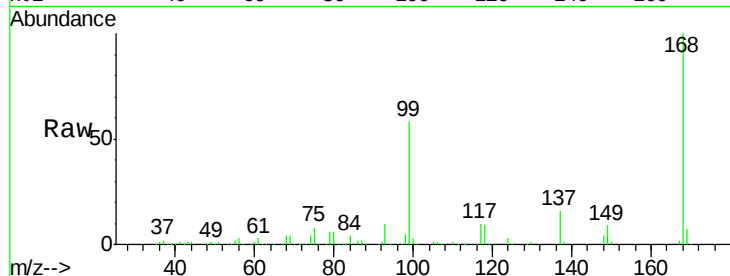
99 57.4 46.0 69.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

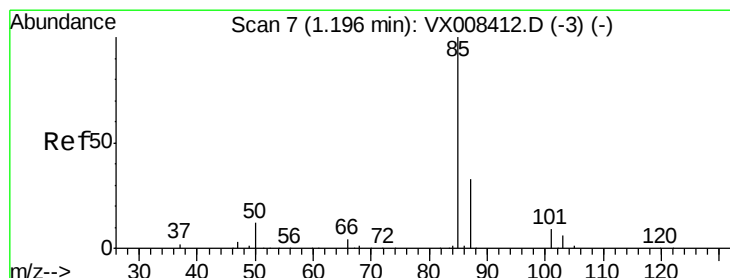
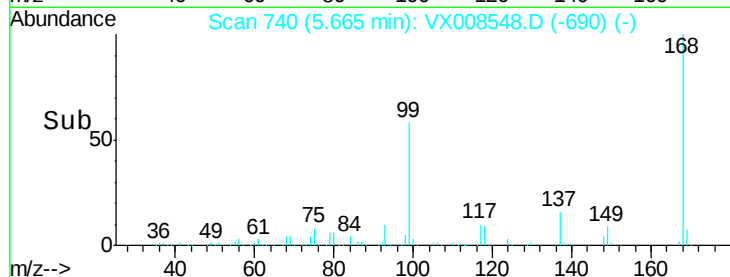
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.759 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008548.D

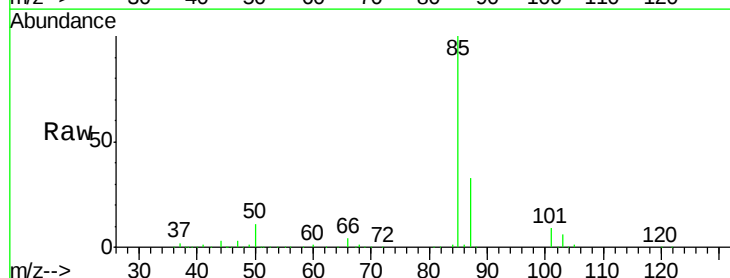
Acq: 29 Mar 2019 16:59

Tgt Ion: 85 Resp: 111159

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

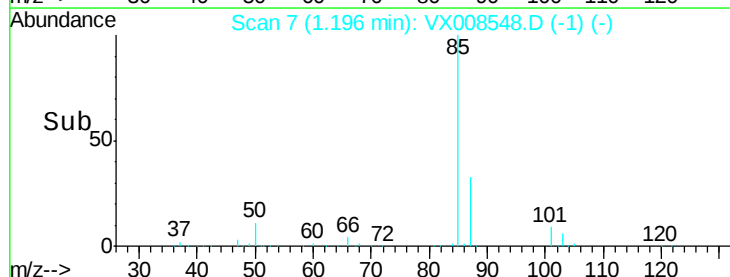
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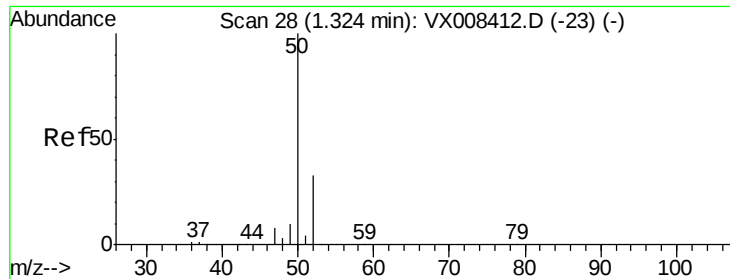
20000

0

1.15 1.20 1.25 1.30 1.35

Time-->





#3

Chloromethane

Concen: 47.643 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 146145

Ion Ratio Lower Upper

50 100

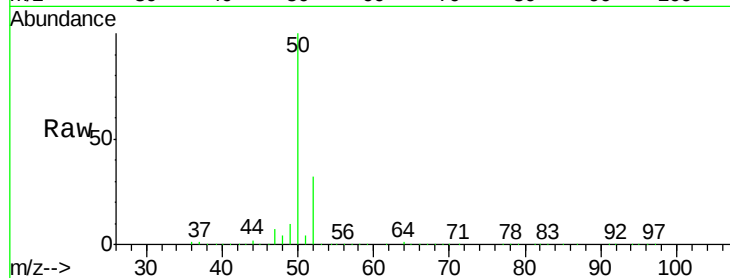
52 31.9 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

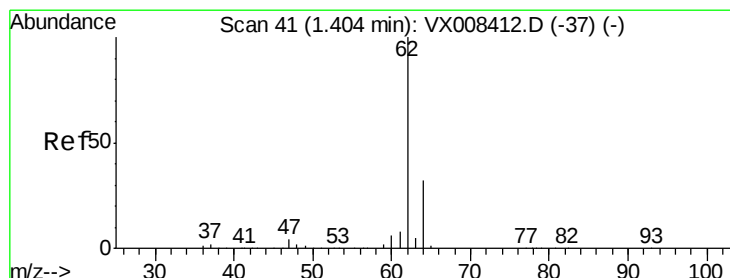
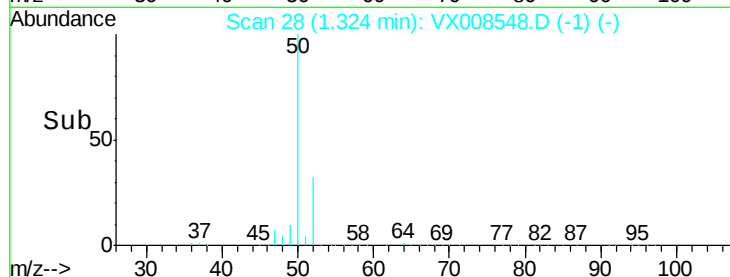
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.240 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008548.D

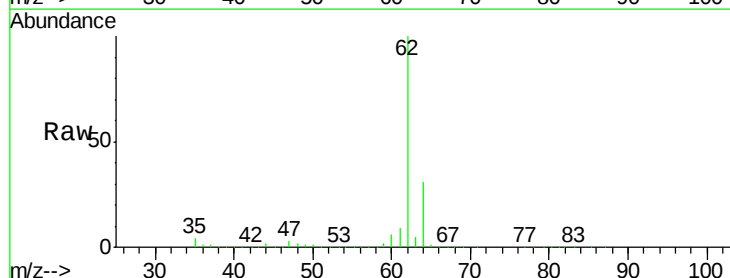
Acq: 29 Mar 2019 16:59

Tgt Ion: 62 Resp: 153444

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

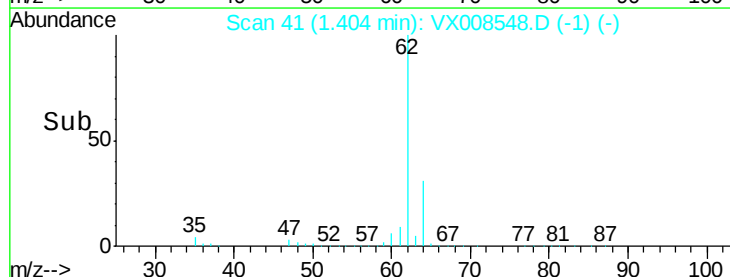
150000

100000

50000

0

Time-->





#5

Bromomethane

Concen: 27.183 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 46867

Ion Ratio Lower Upper

94 100

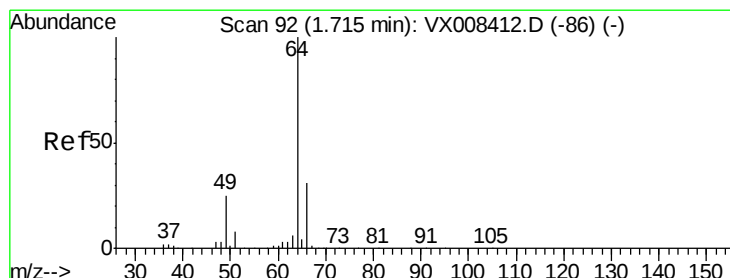
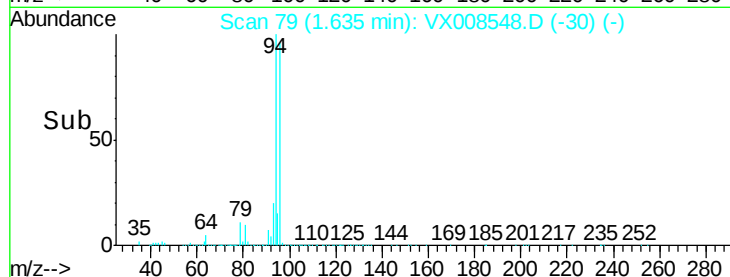
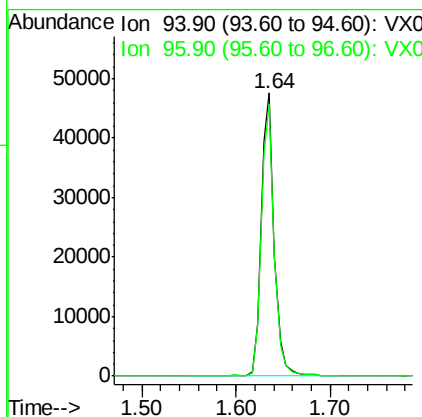
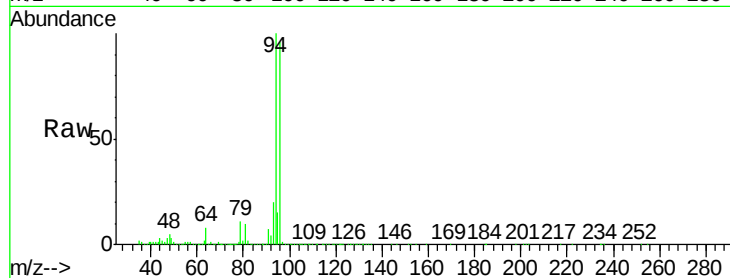
96 95.8 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 46.927 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008548.D

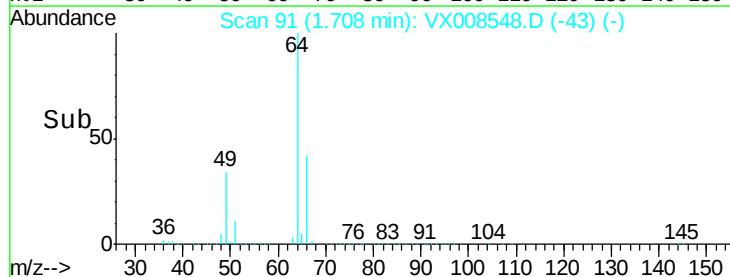
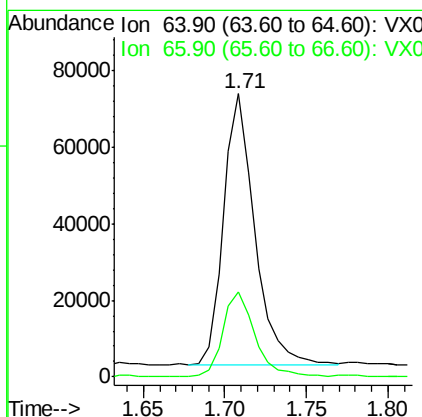
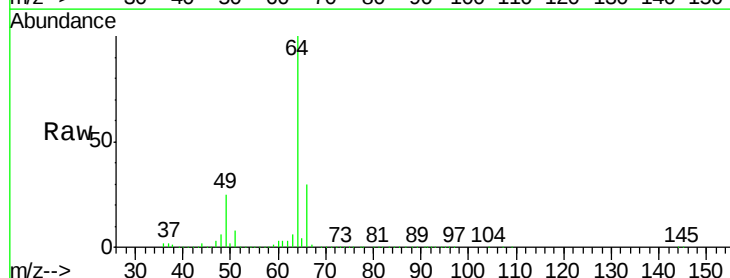
Acq: 29 Mar 2019 16:59

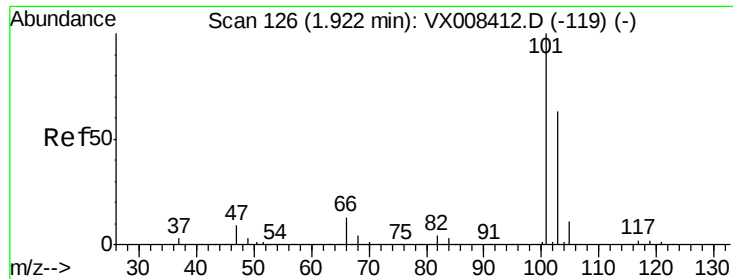
Tgt Ion: 64 Resp: 94290

Ion Ratio Lower Upper

64 100

66 31.2 25.1 37.7





#7

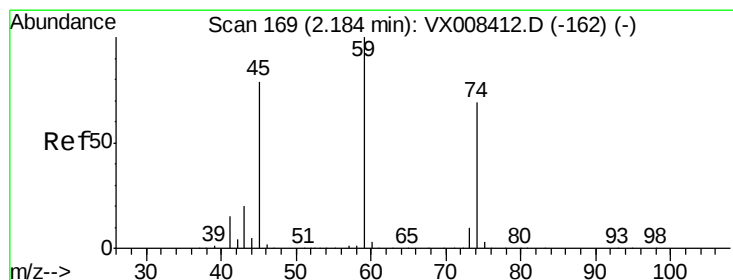
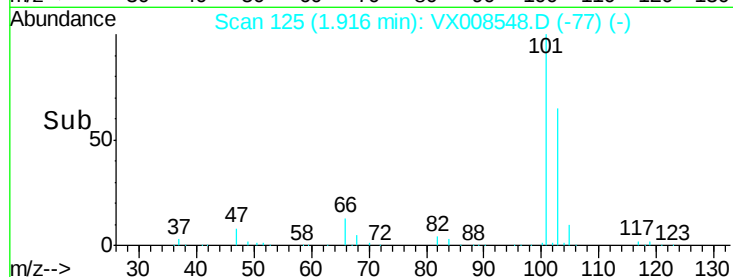
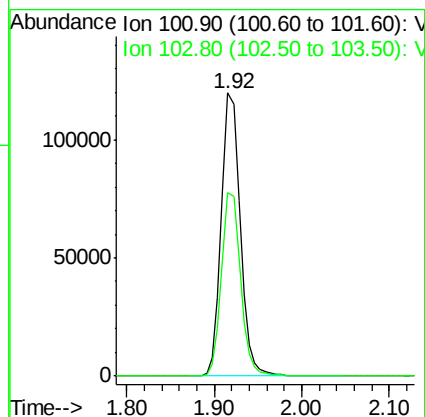
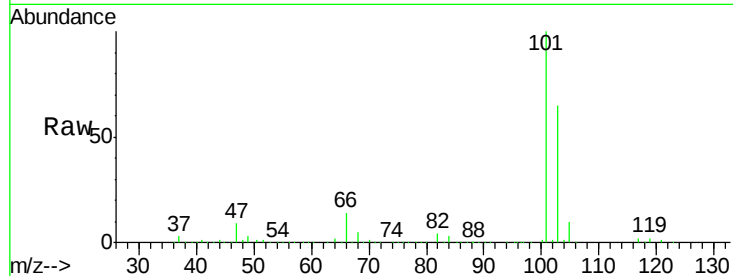
Trichlorofluoromethane
 Concen: 46.768 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 179655
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.2 75.4

Manual Integrations
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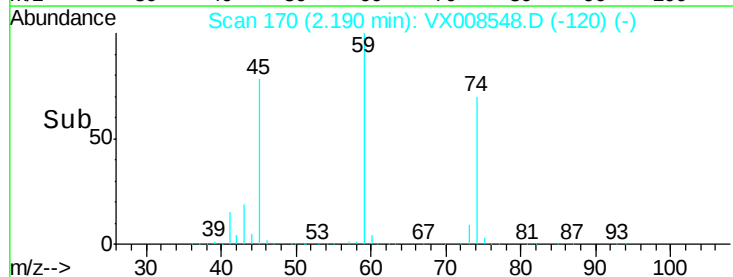
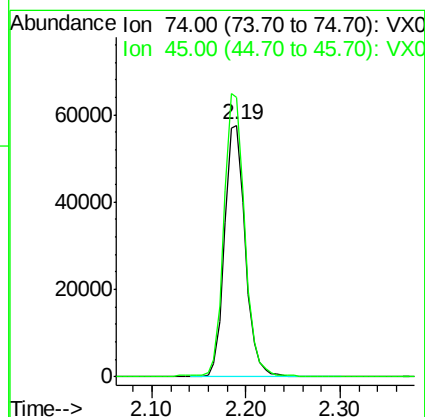
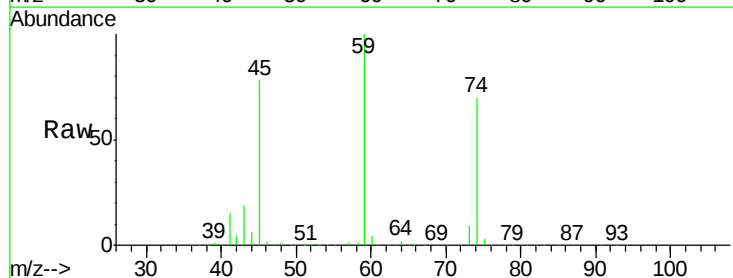
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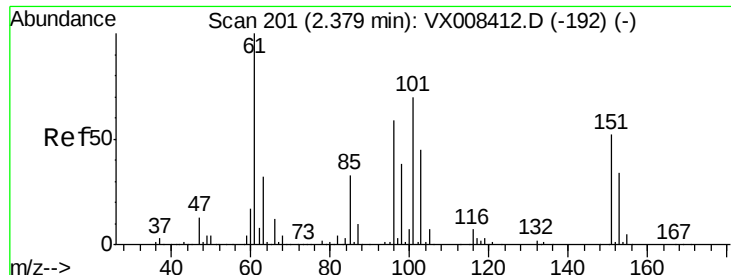


#8

Diethyl Ether
 Concen: 48.376 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Tgt Ion: 74 Resp: 87945
 Ion Ratio Lower Upper
 74 100
 45 112.5 56.4 169.2





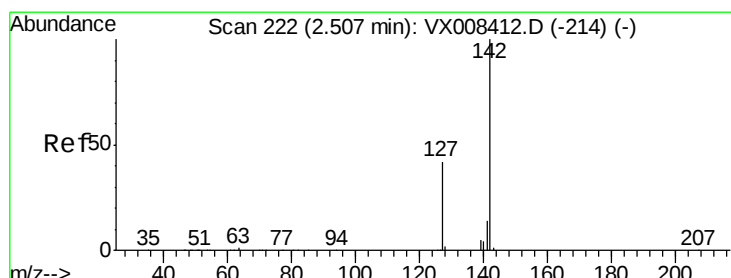
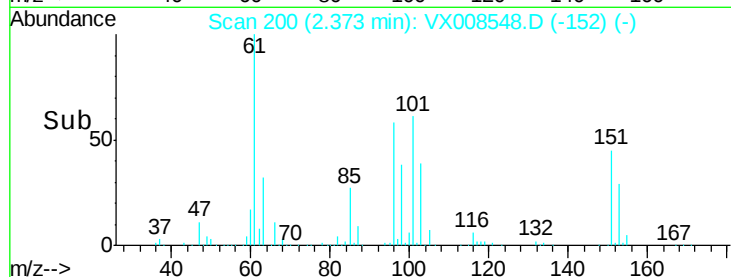
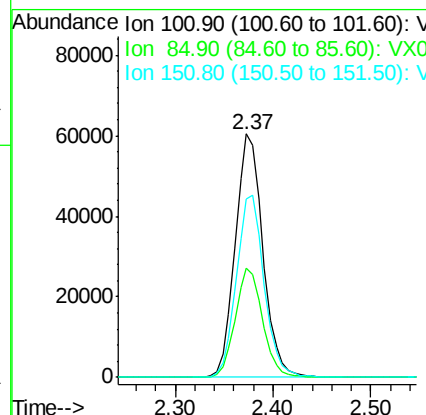
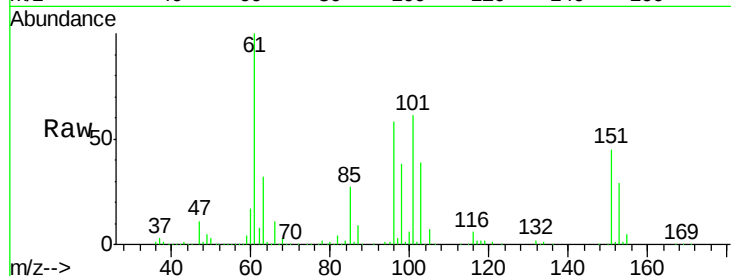
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.117 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	118672		
85	44.4	36.0	54.0	
151	75.0	59.2	88.8	

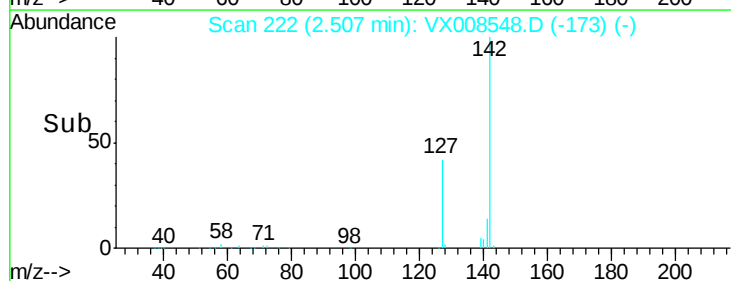
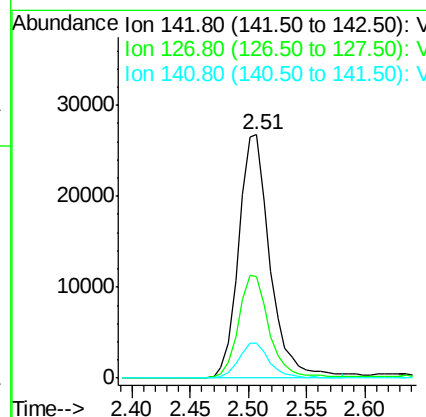
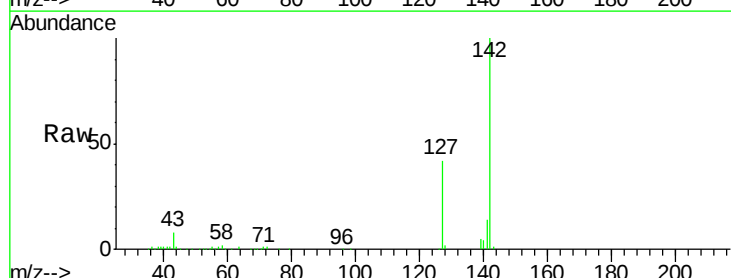
Manual Integrations
APPROVED

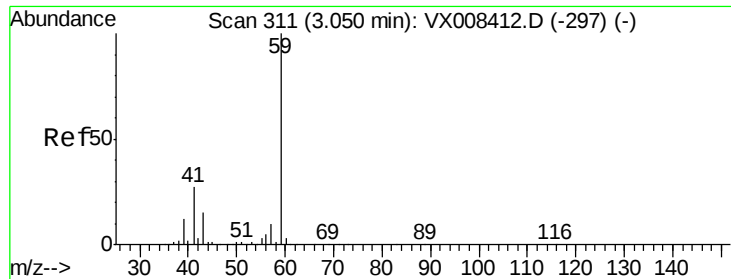
MMDadoda
3/30/2019 9:50:55 AM



#10
Methyl Iodide
Concen: 24.655 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	50540		
127	42.0	33.6	50.4	
141	14.3	11.3	16.9	





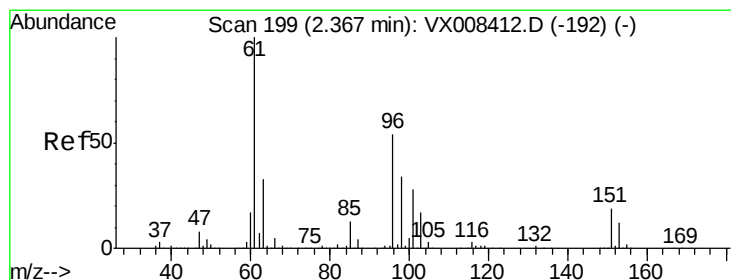
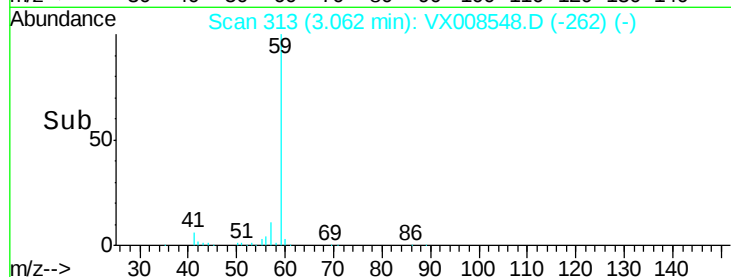
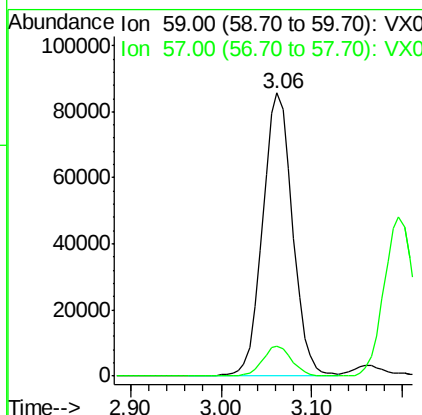
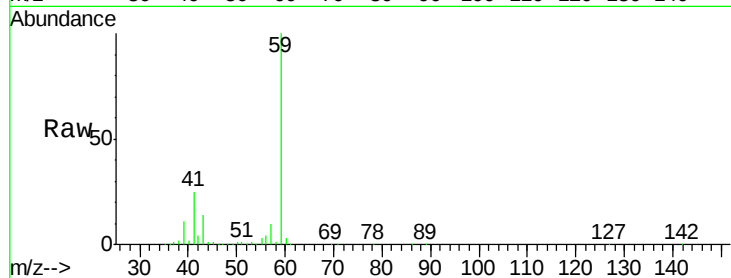
#11
Tert butyl alcohol
Concen: 282.596 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 195618
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

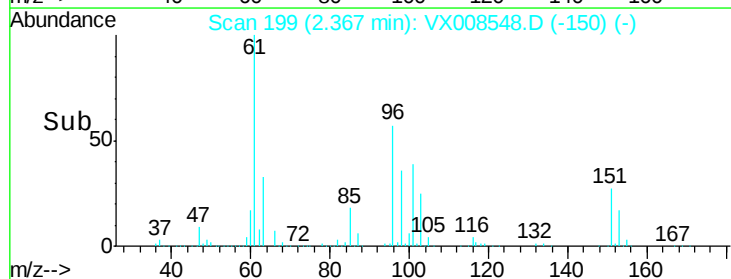
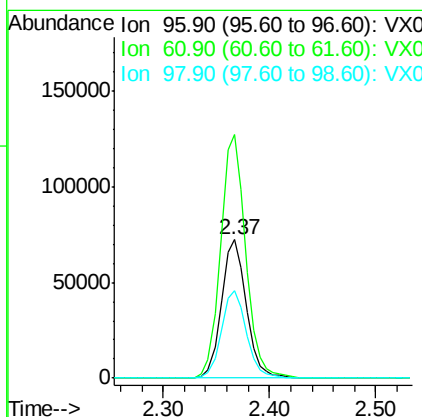
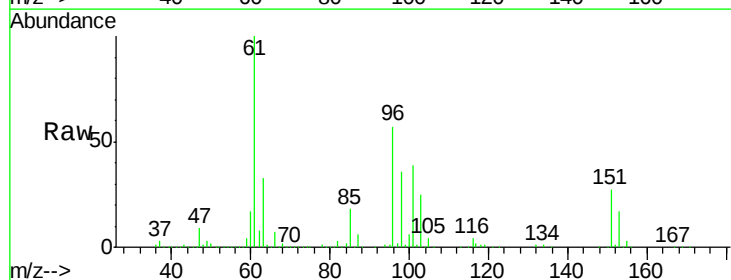
Manual Integrations
APPROVED

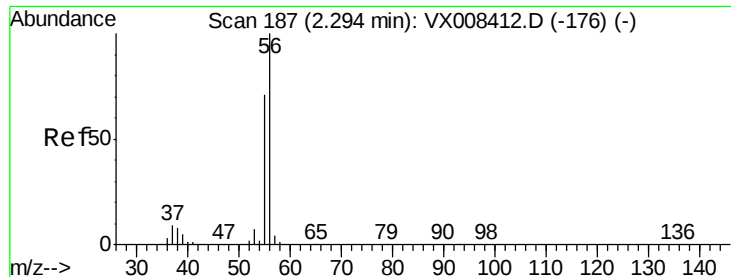
MMDadoda
3/30/2019 9:50:55 AM



#12
1,1-Dichloroethene
Concen: 49.175 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion: 96 Resp: 117902
Ion Ratio Lower Upper
96 100
61 176.2 146.9 220.3
98 63.7 50.1 75.1





#13

Acrolein

Concen: 277.275 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 139382

Ion Ratio Lower Upper

56 100

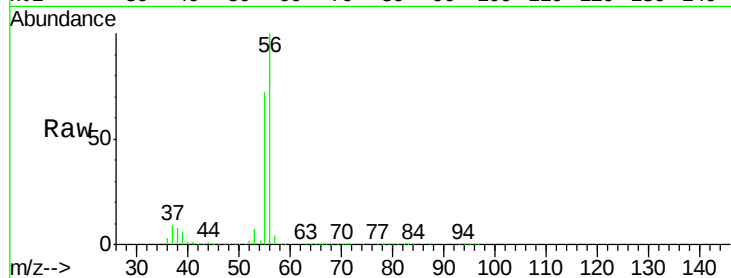
55 71.8 56.5 84.7

Manual Integrations

APPROVED

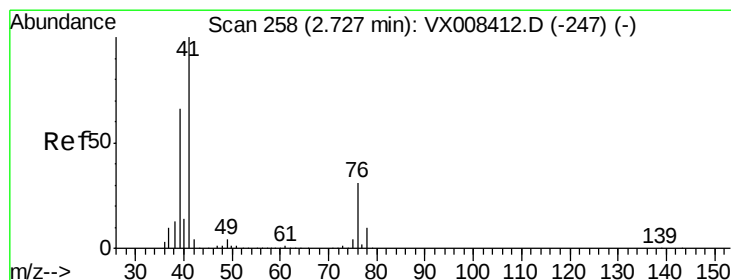
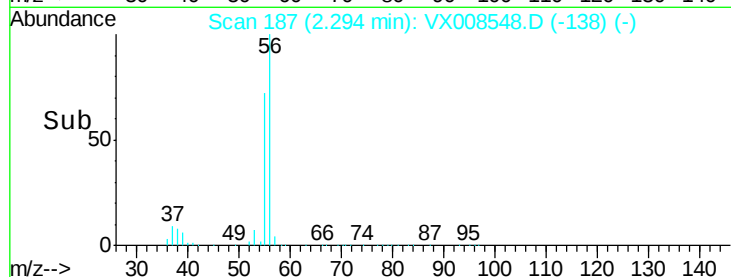
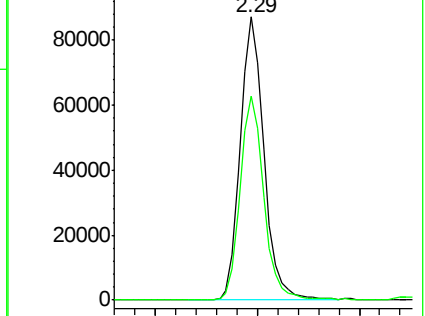
MMDadoda

3/30/2019 9:50:55 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.231 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

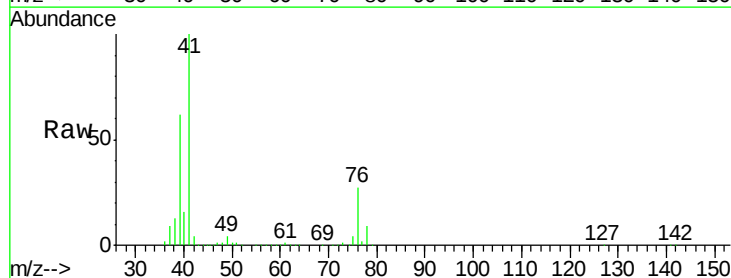
Tgt Ion: 41 Resp: 281175

Ion Ratio Lower Upper

41 100

39 59.9 49.6 74.4

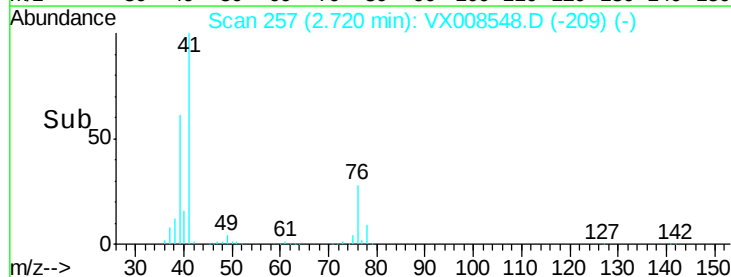
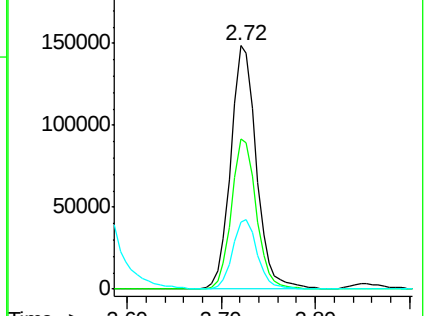
76 27.6 22.6 34.0



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





#15

Acrylonitrile

Concen: 271.859 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

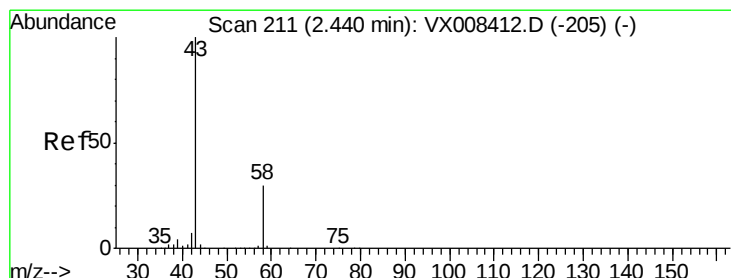
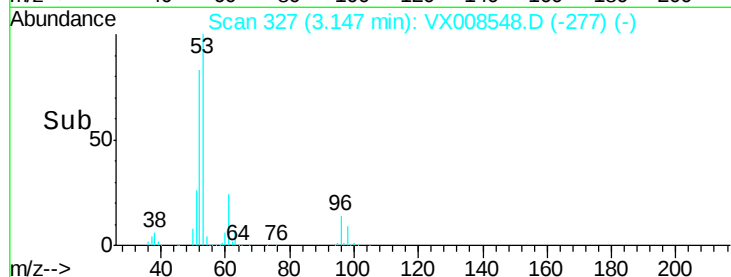
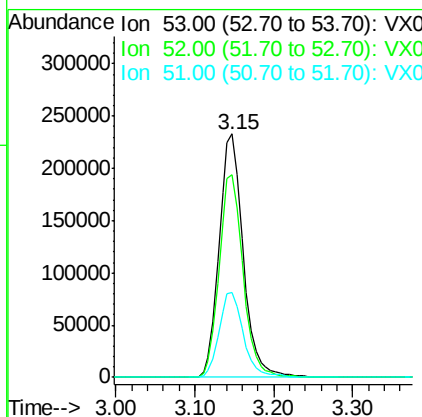
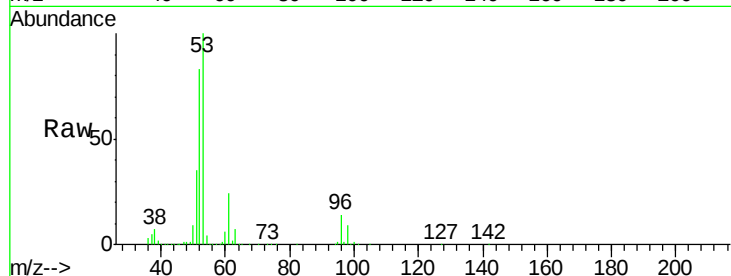
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	493458
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.5	99.7
51	35.3	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
3/30/2019 9:50:55 AM



#16

Acetone

Concen: 304.413 ug/l

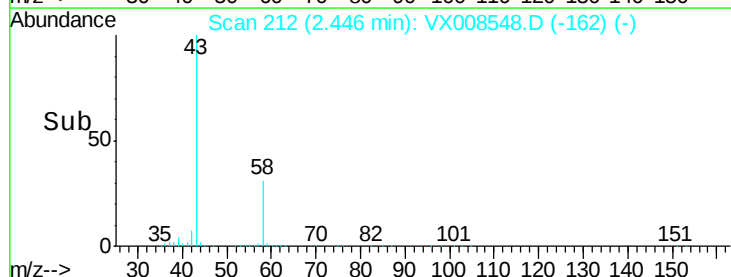
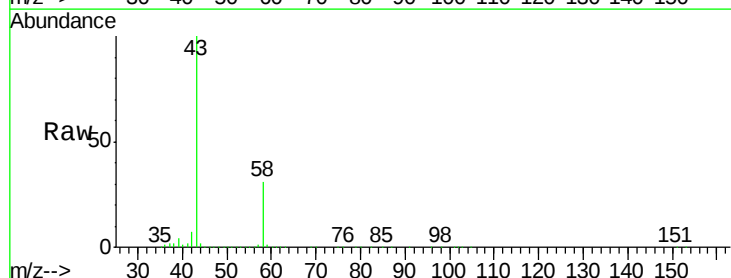
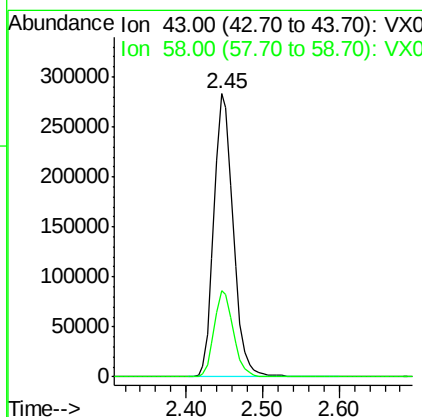
RT: 2.45 min Scan# 212

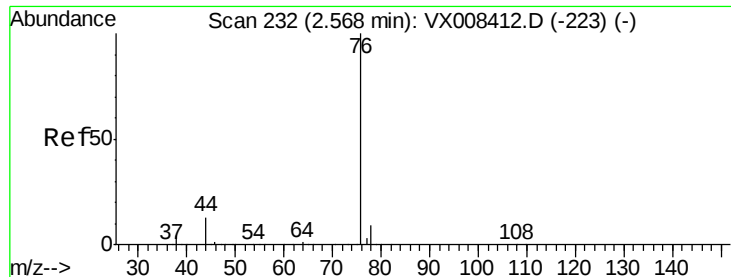
Delta R.T. 0.01 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Tgt Ion:	43	Resp:	497090
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.2	36.2





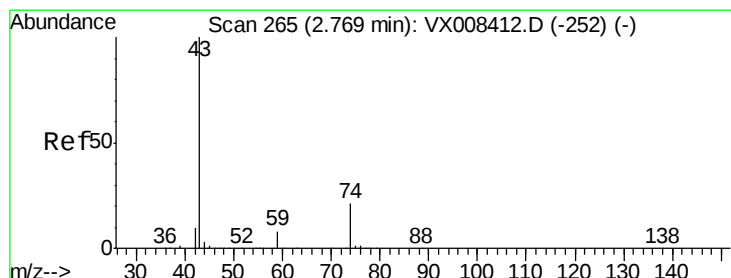
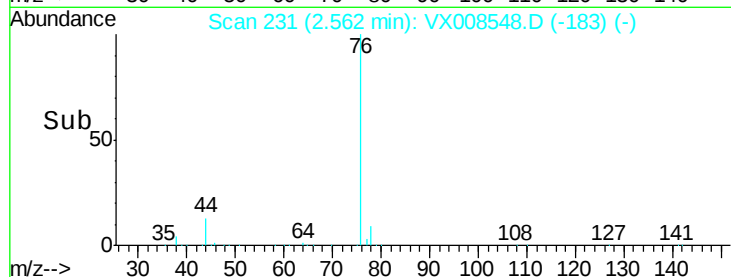
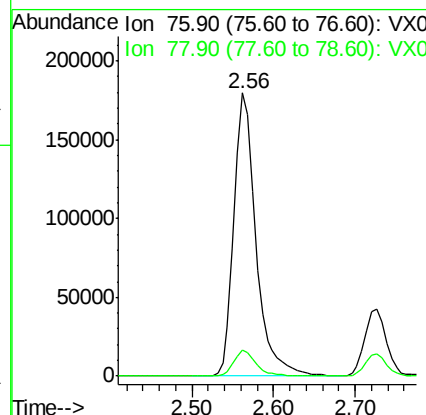
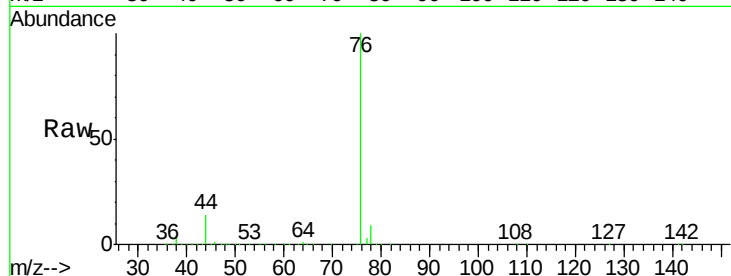
#17
Carbon Disulfide
Concen: 48.843 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

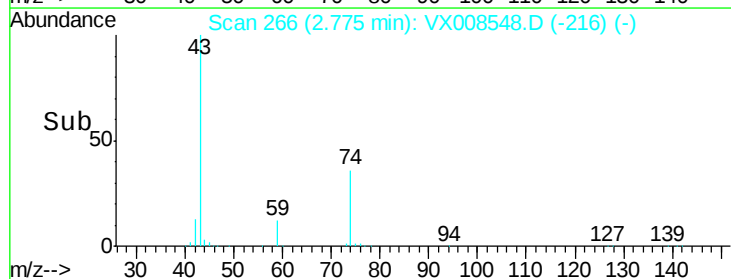
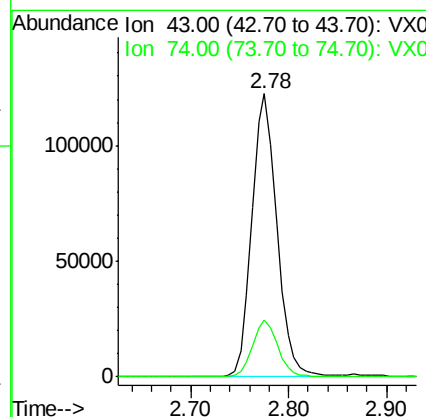
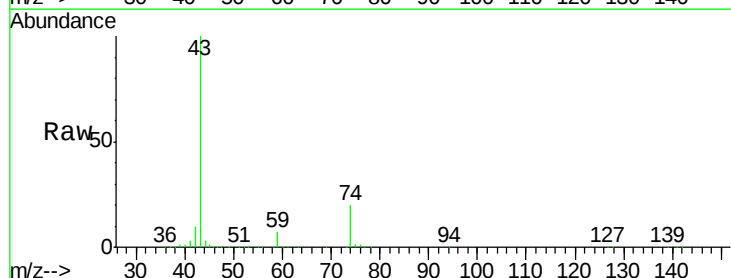
Manual Integrations
APPROVED

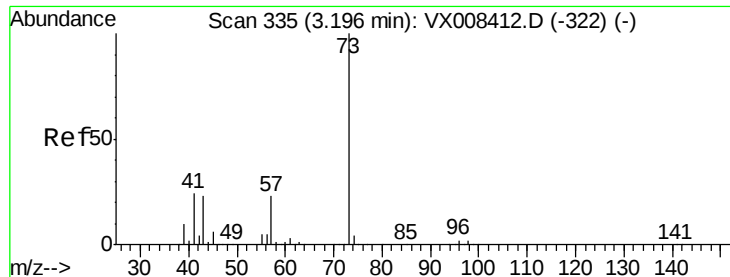
MMDadoda
3/30/2019 9:50:55 AM



#18
Methyl Acetate
Concen: 55.661 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.7	25.1





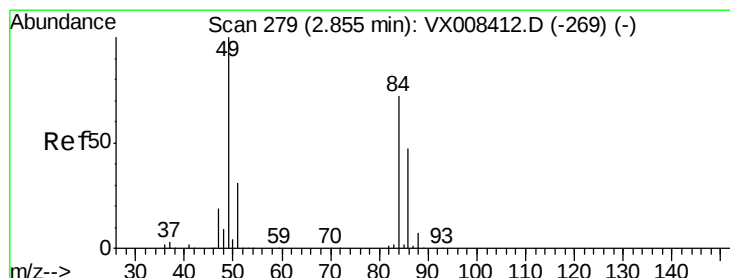
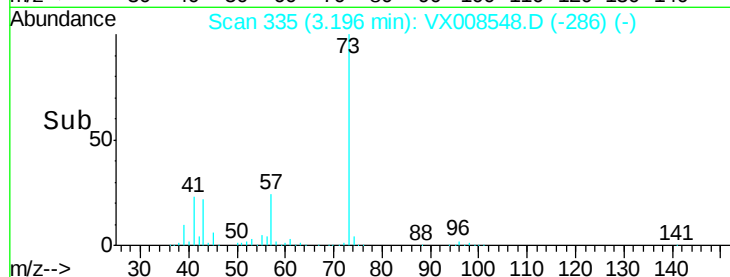
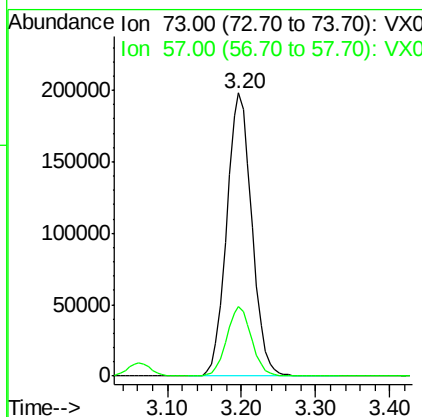
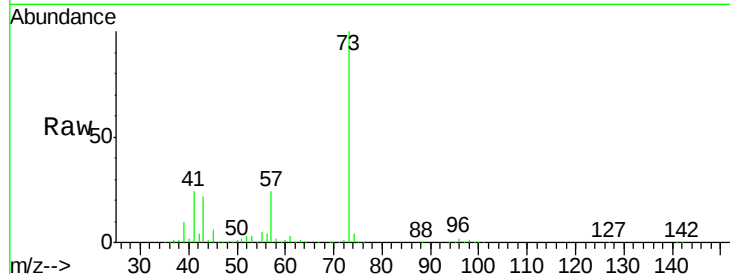
#19
Methvl tert-butvl Ether
Concen: 53.939 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 466028
Ion Ratio Lower Upper
73 100
57 24.3 18.6 28.0

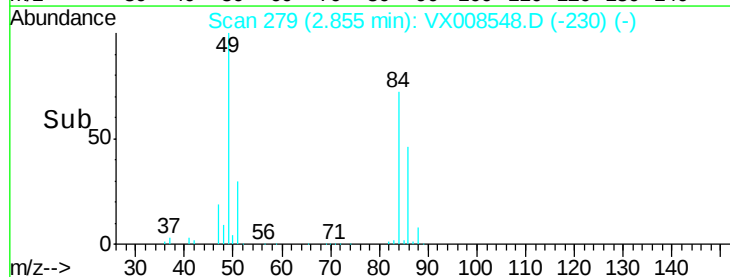
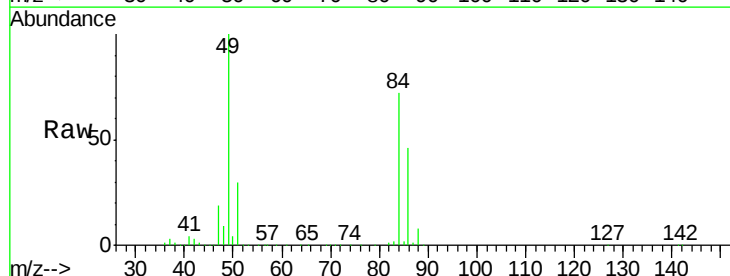
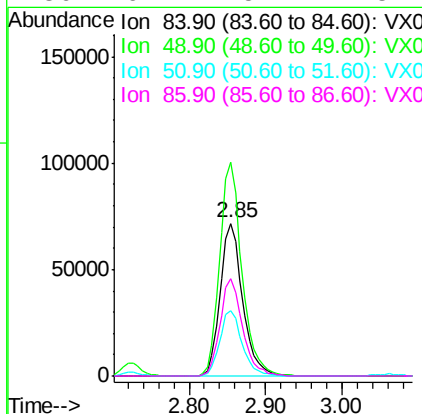
Manual Integrations
APPROVED

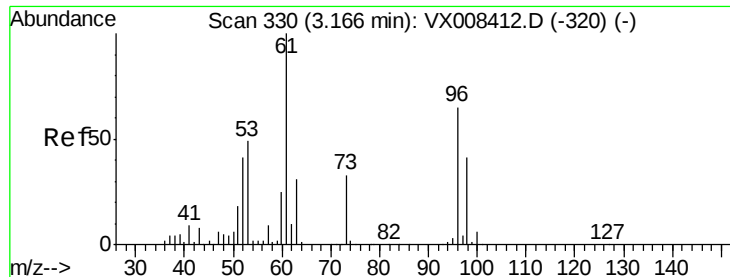
MMDadoda
3/30/2019 9:50:55 AM



#20
Methylene Chloride
Concen: 54.559 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion: 84 Resp: 145250
Ion Ratio Lower Upper
84 100
49 139.7 110.6 165.8
51 42.3 33.9 50.9
86 64.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 52.815 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 126142

Ion Ratio Lower Upper

96 100

61 155.8 122.6 184.0

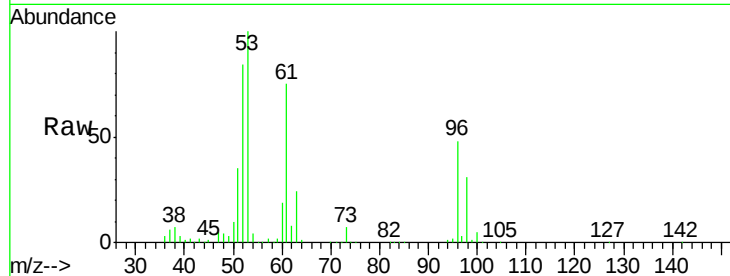
98 64.7 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

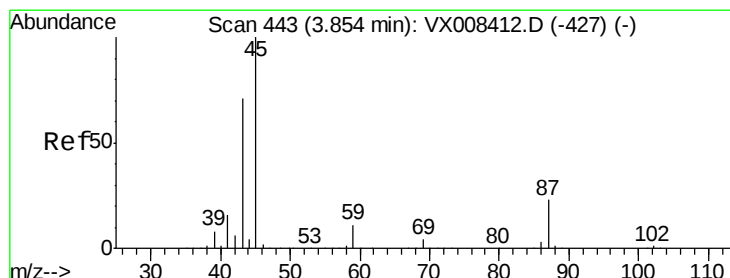
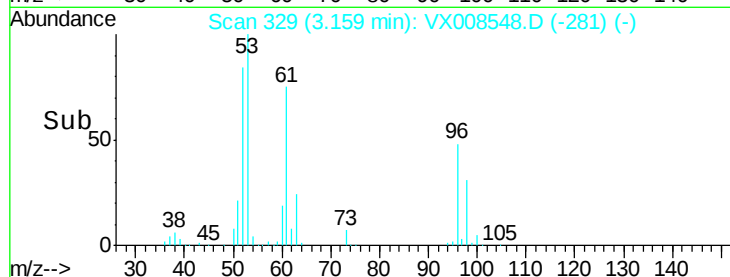
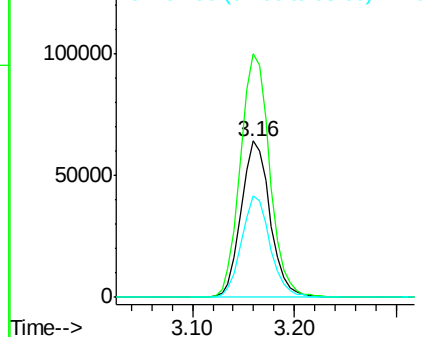
3/30/2019 9:50:55 AM



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: 53.265 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Tgt Ion: 45 Resp: 553994

Ion Ratio Lower Upper

45 100

43 63.0 57.1 85.7

87 24.2 18.8 28.2

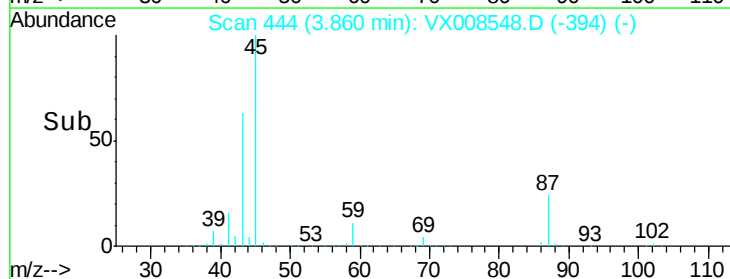
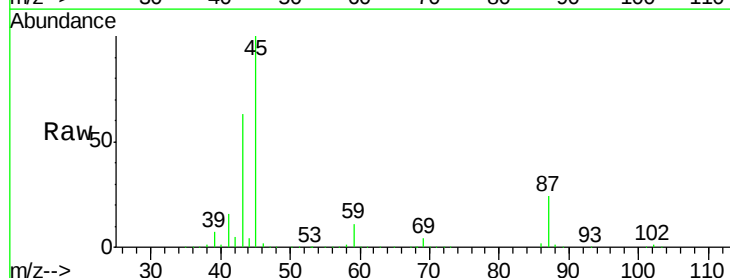
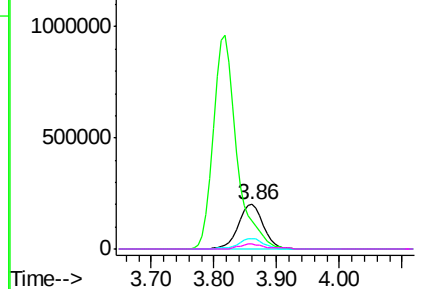
59 10.9 8.7 13.1

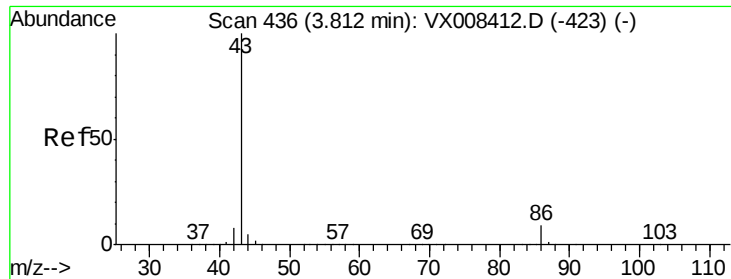
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 274.551 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2491296

Ion Ratio Lower Upper

43 100

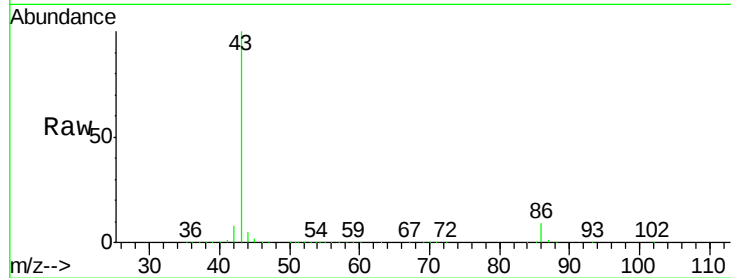
86 8.8 6.9 10.3

Manual Integrations

APPROVED

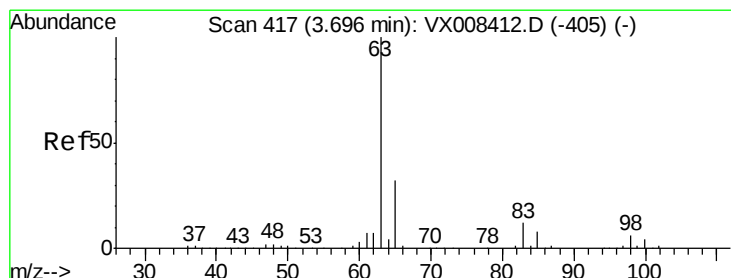
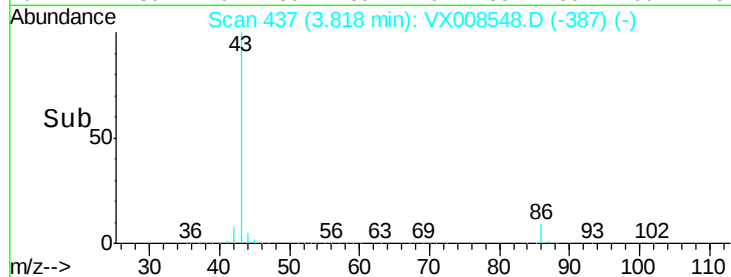
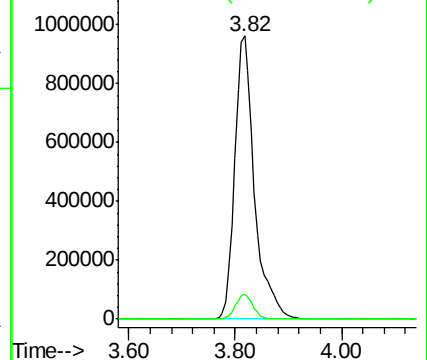
MMDadoda

3/30/2019 9:50:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.880 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

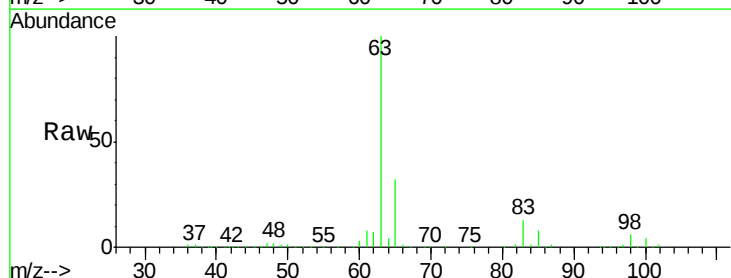
Tgt Ion: 63 Resp: 272416

Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

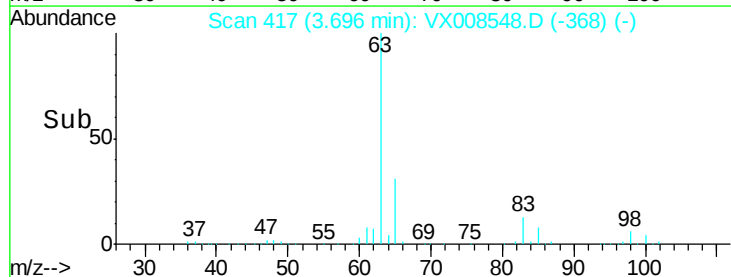
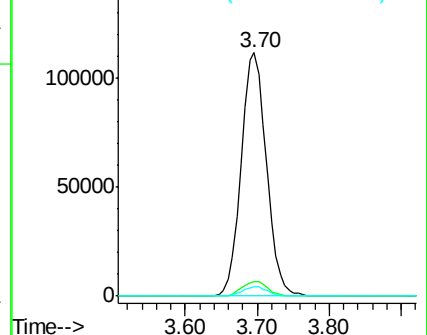
100 3.9 2.0 5.8

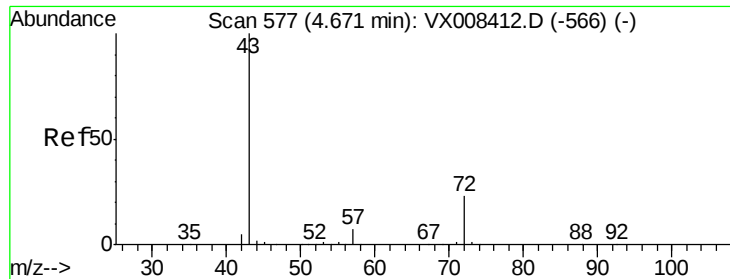


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 293.364 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 768001

Ion Ratio Lower Upper

43 100

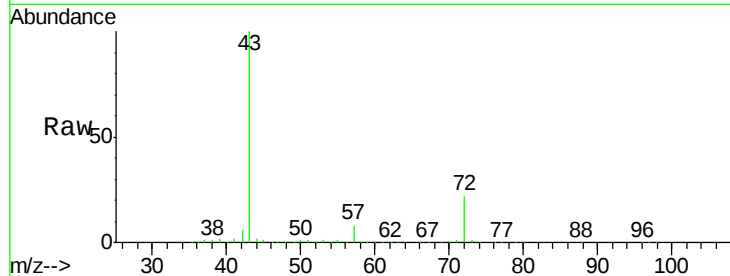
72 22.4 18.6 28.0

Manual Integrations

APPROVED

MMDadoda

3/30/2019 9:50:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

250000

200000

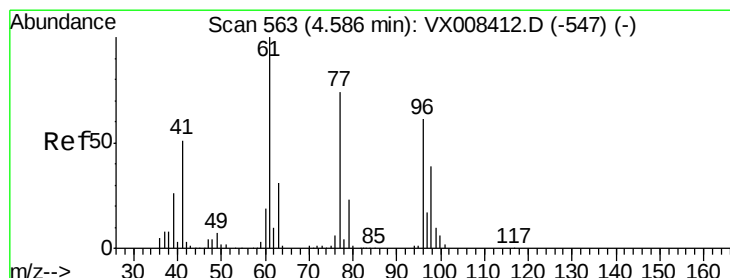
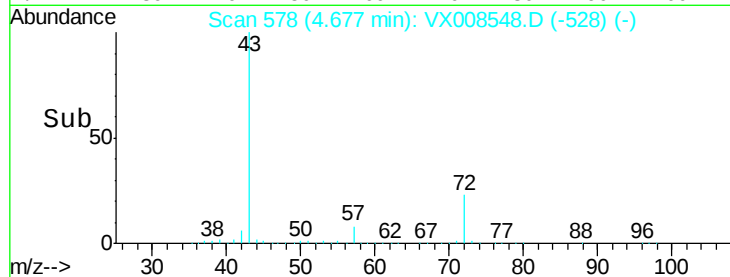
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 57.663 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008548.D

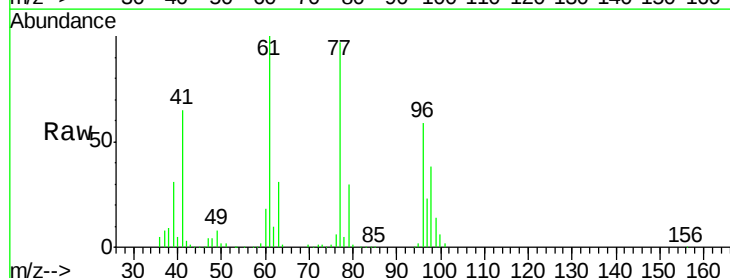
Acq: 29 Mar 2019 16:59

Tgt Ion: 77 Resp: 201386

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

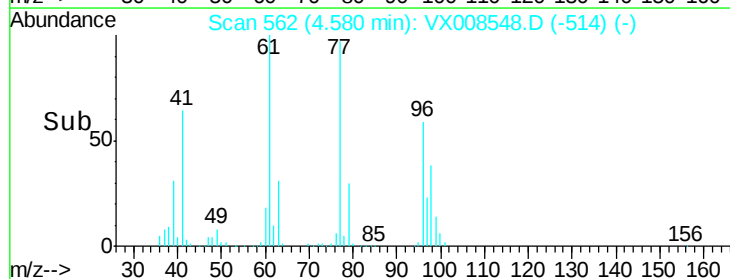
60000

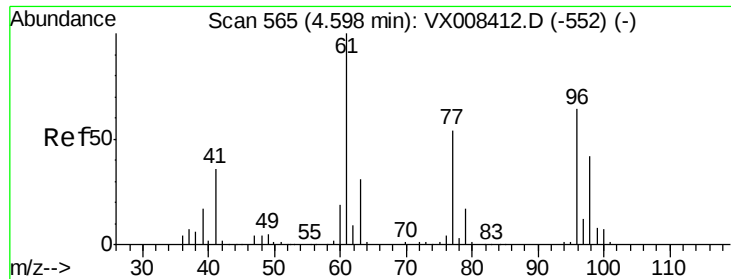
40000

20000

0

Time-->





#27

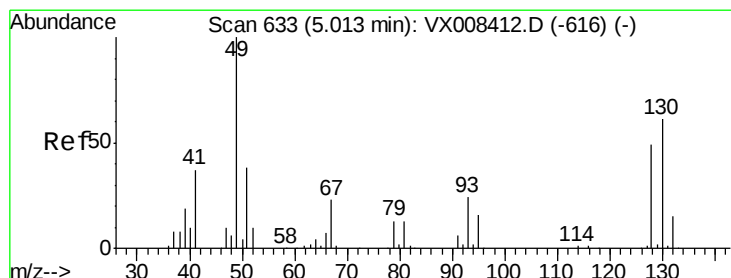
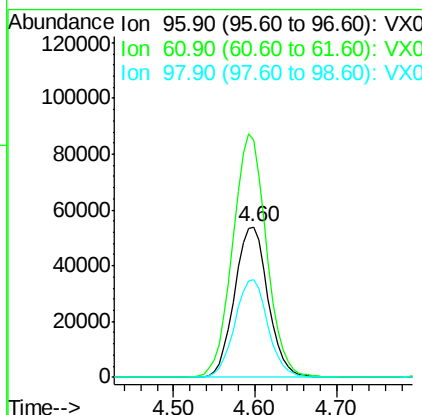
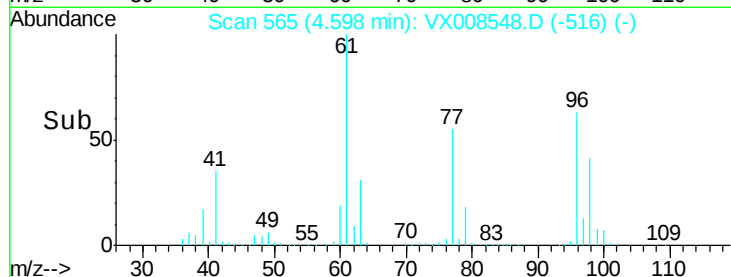
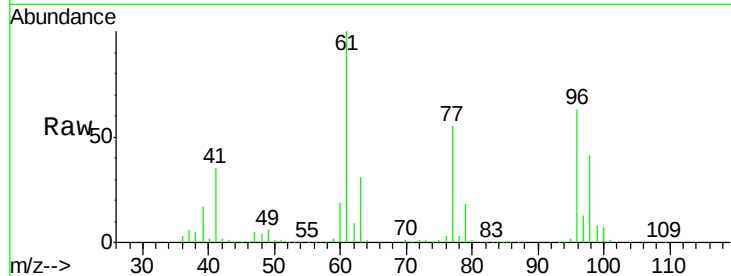
cis-1,2-Dichloroethene
Concen: 52.257 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	153208		
61	163.7	0.0	325.6	
98	64.6	0.0	130.0	

Manual Integrations
APPROVED

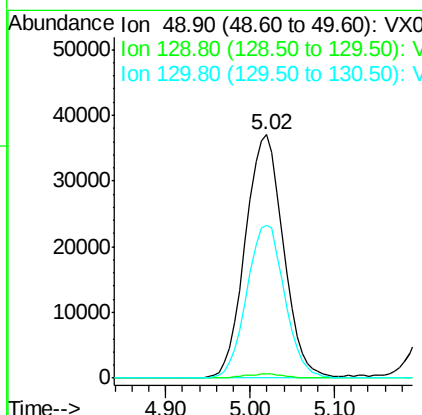
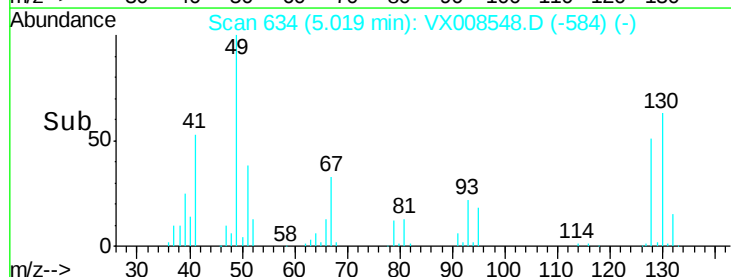
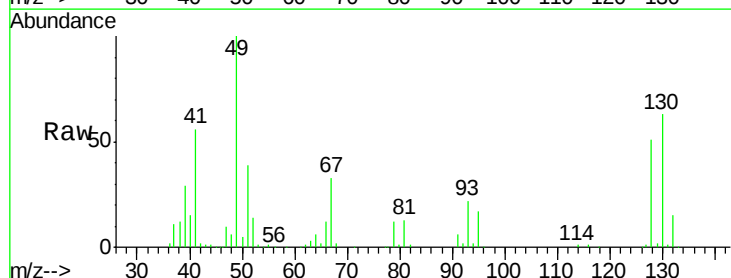
MMDadoda
3/30/2019 9:50:55 AM

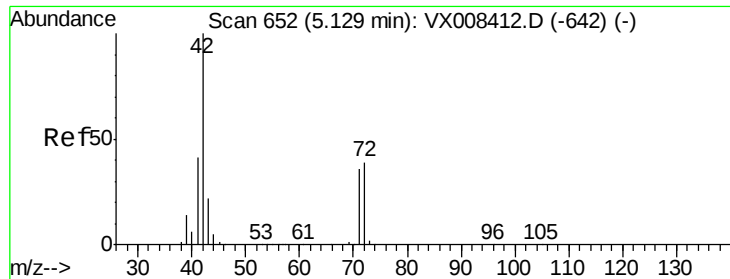


#28

Bromochloromethane
Concen: 43.903 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113891		
129	1.7	0.0	3.4	
130	62.6	49.8	74.6	





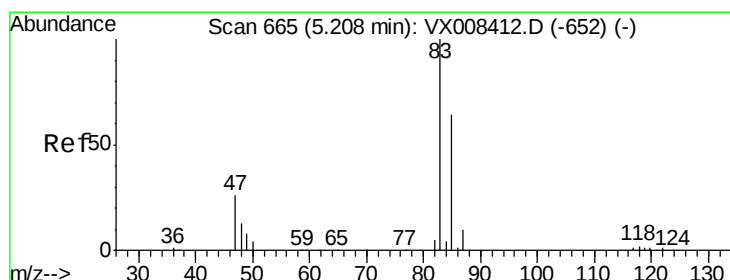
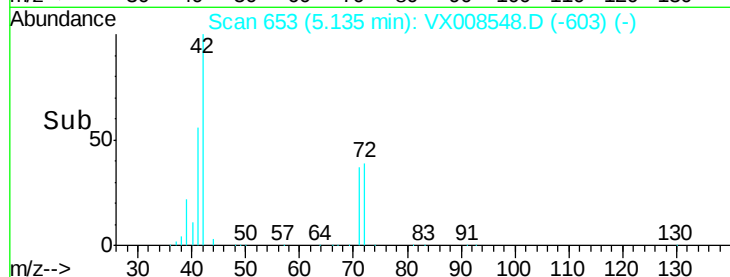
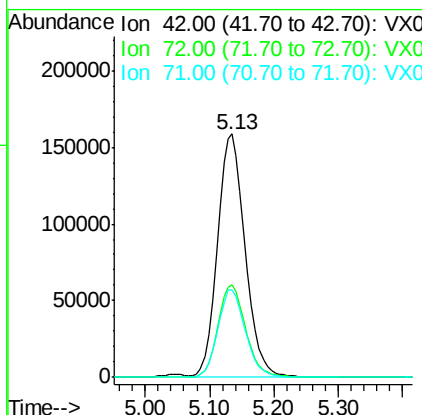
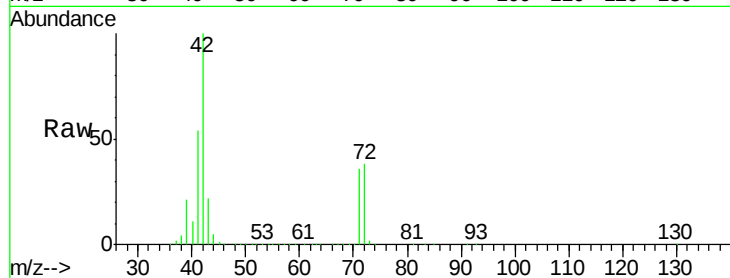
#29
Tetrahydrofuran
Concen: 276.782 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.4	47.2
71	36.2	29.4	44.2

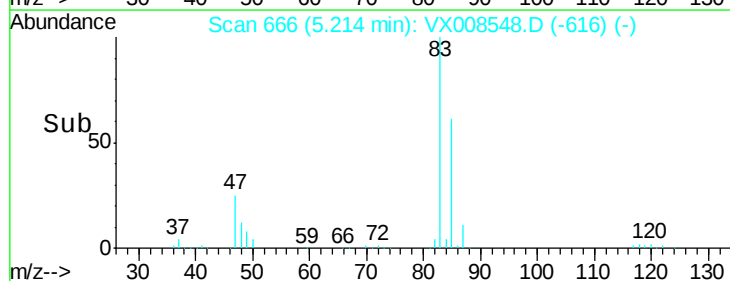
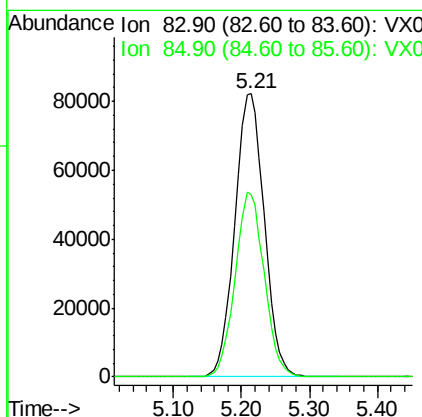
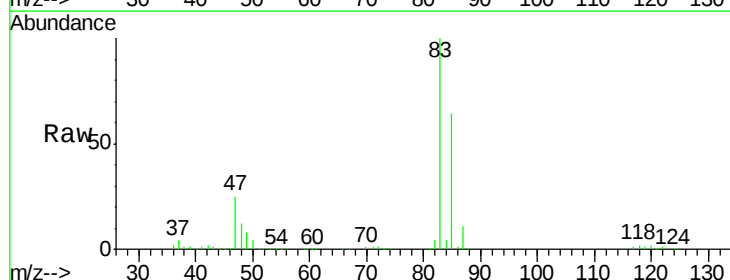
Manual Integrations
APPROVED

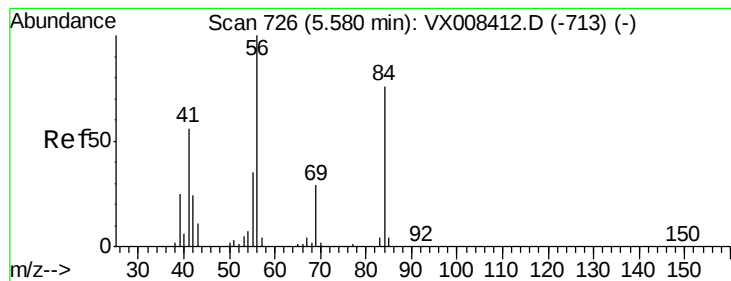
MMDadoda
3/30/2019 9:50:55 AM



#30
Chloroform
Concen: 52.261 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





#31

Cyclohexane

Concen: 51.212 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

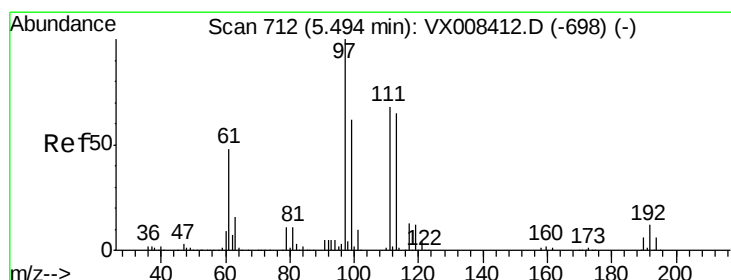
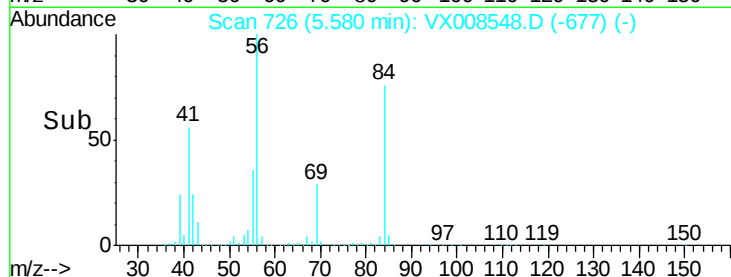
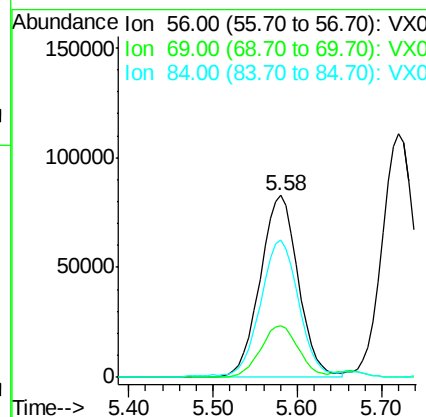
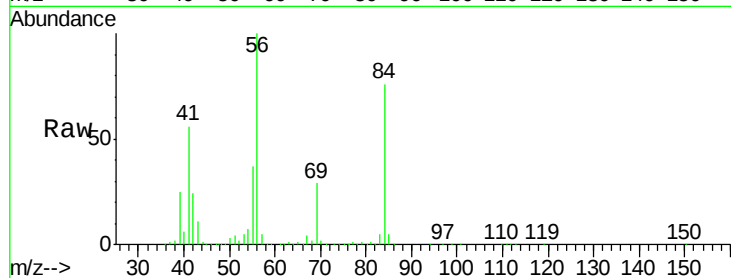
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	256466
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.2	34.8
84	74.9	60.7	91.1

Manual Integrations
APPROVED

MMDadoda
3/30/2019 9:50:55 AM



#32

1,1,1-Trichloroethane

Concen: 53.364 ug/l

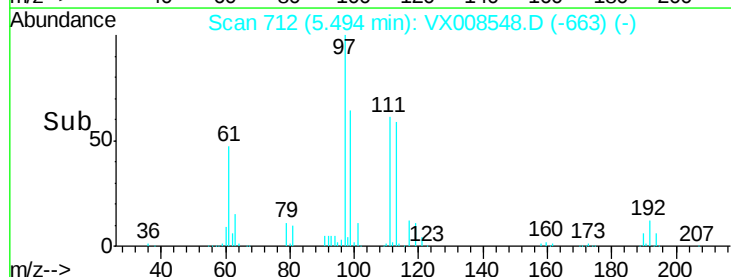
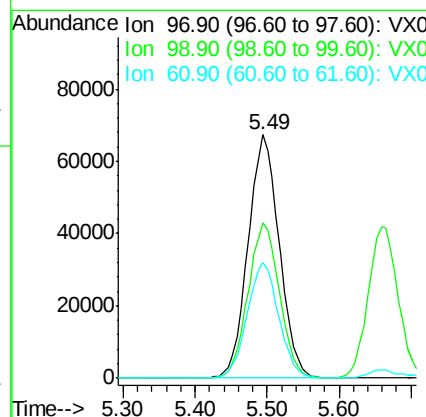
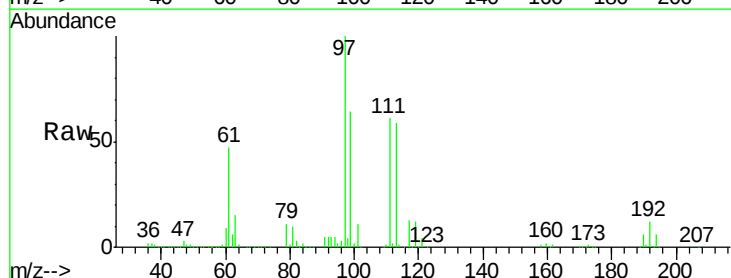
RT: 5.49 min Scan# 712

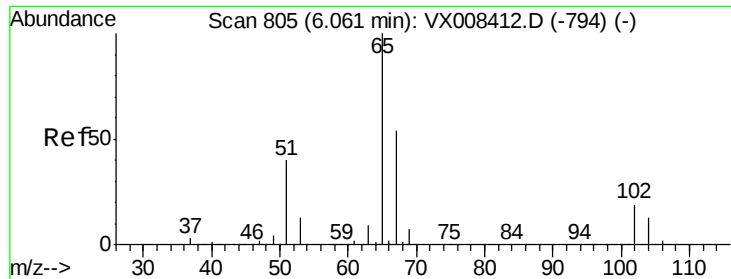
Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Tgt Ion:	97	Resp:	202133
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	48.1	38.8	58.2





#33

1,2-Dichloroethane-d4

Concen: 51.106 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 159671

Ion Ratio Lower Upper

65 100

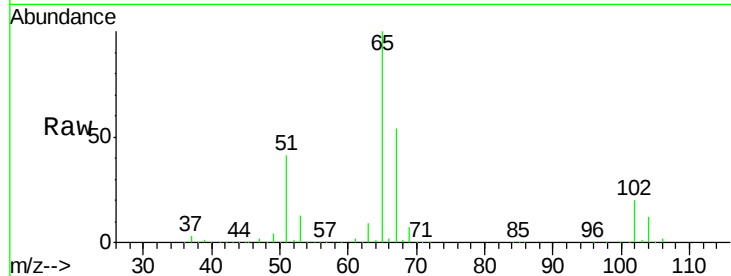
67 54.5 0.0 109.4

Manual Integrations

APPROVED

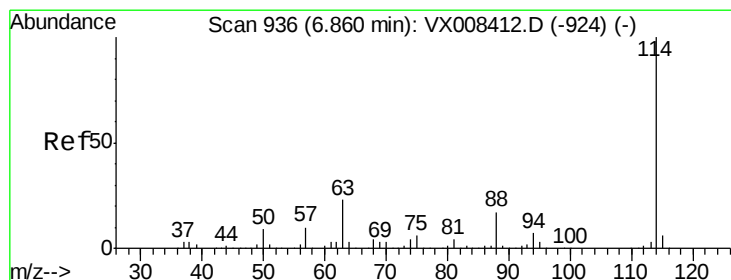
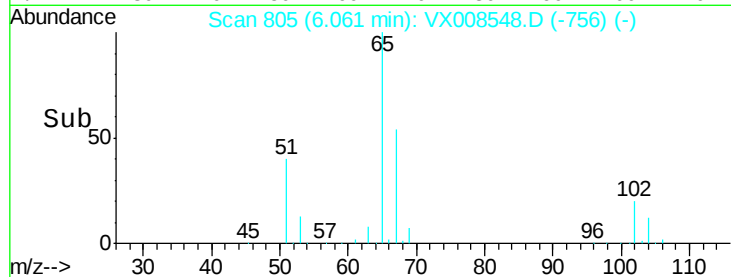
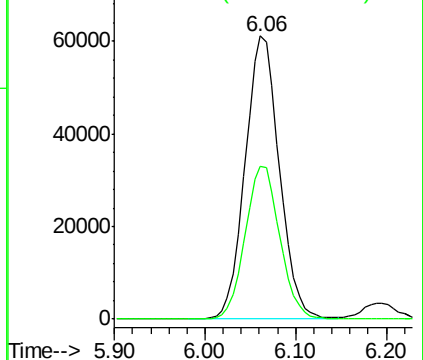
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3/30/2019 9:50:55 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

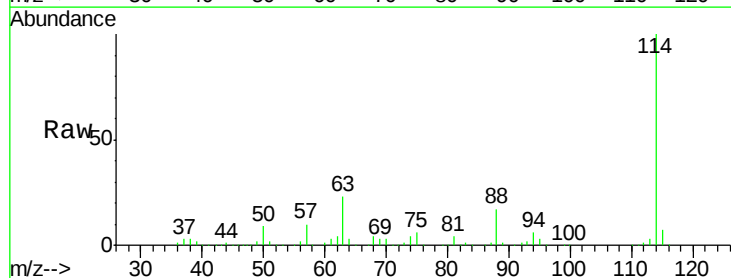
Tgt Ion: 114 Resp: 347423

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.4

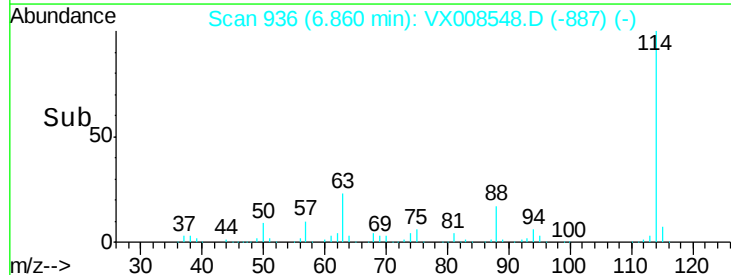
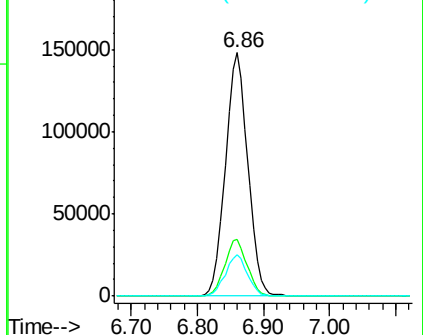
88 17.2 0.0 33.2

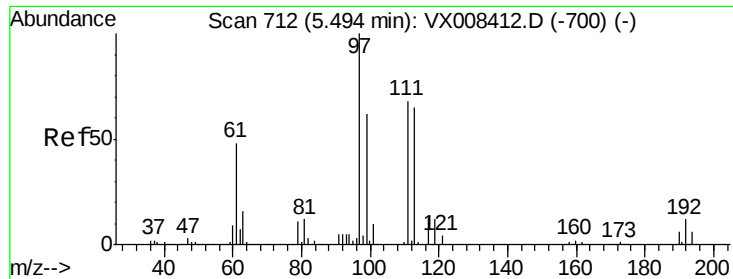


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





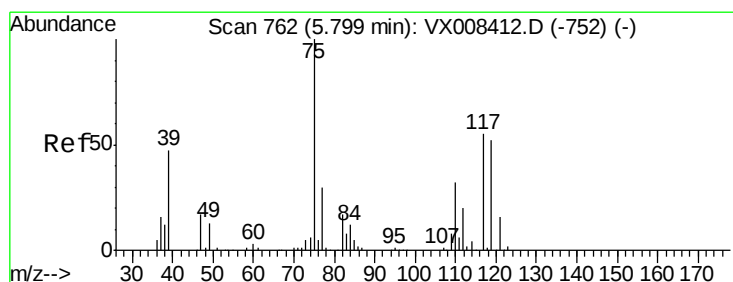
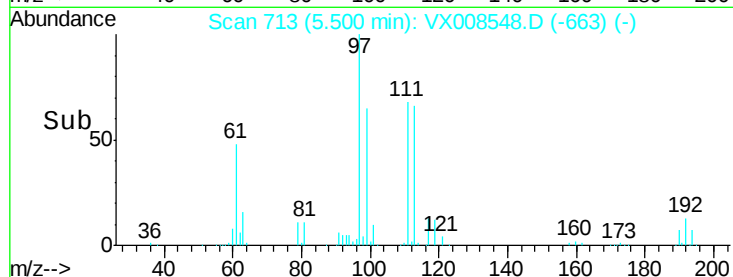
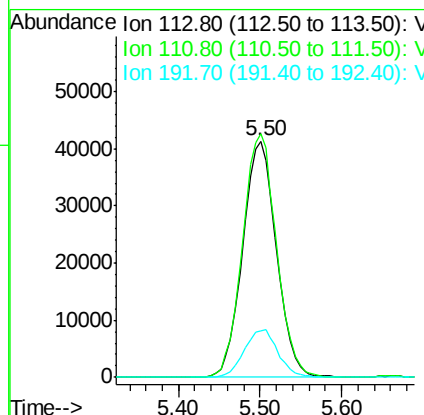
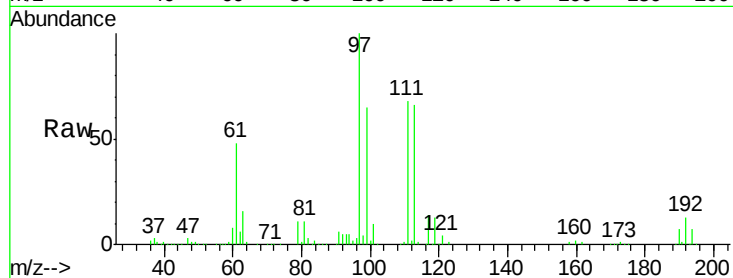
#35
Dibromofluoromethane
Concen: 52.416 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	118741		
111	103.7	83.0	124.4	
192	20.2	15.6	23.4	

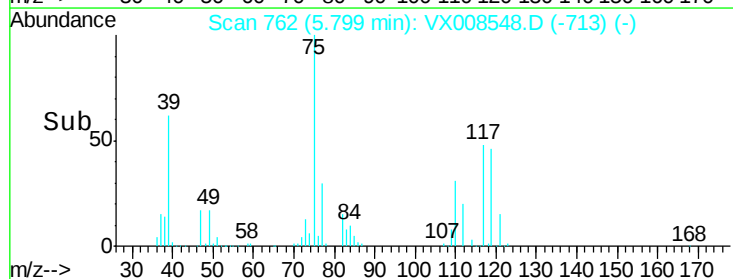
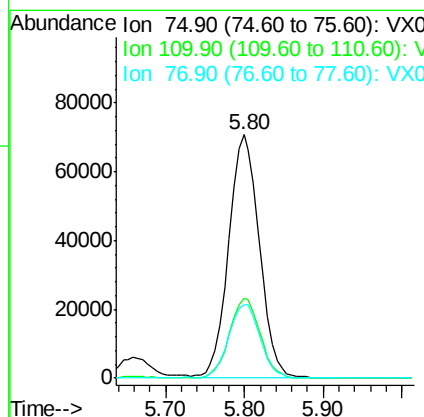
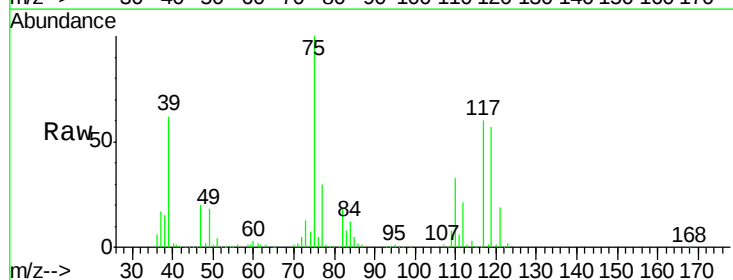
Manual Integrations
APPROVED

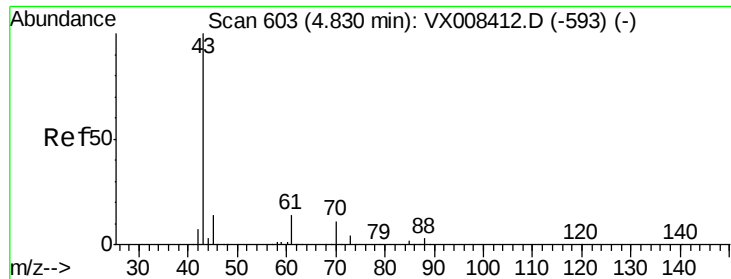
MMDadoda
3/30/2019 9:50:55 AM



#36
1,1-Dichloropropene
Concen: 51.425 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	190494		
110	33.2	16.6	49.7	
77	31.3	24.2	36.2	





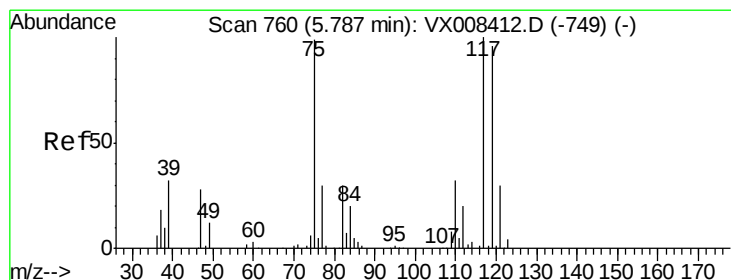
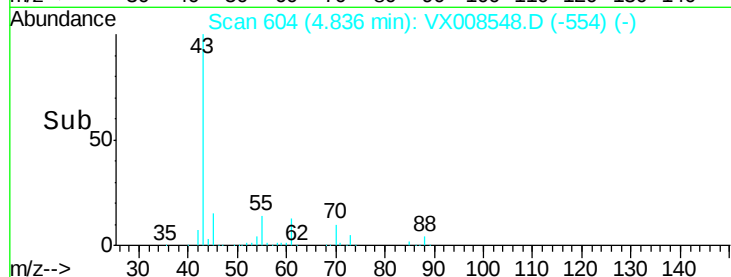
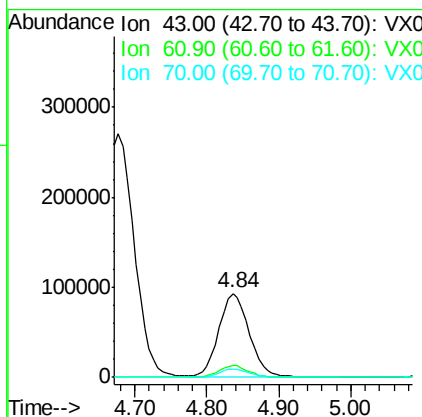
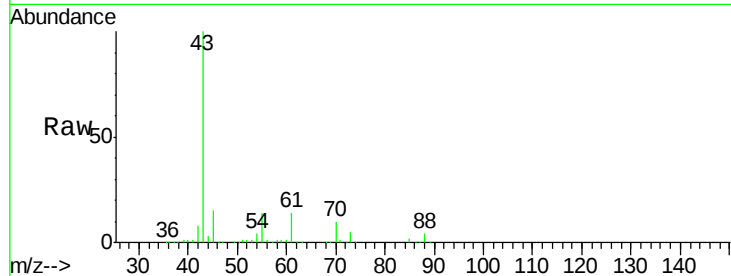
#37
Ethyl Acetate
Concen: 56.930 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.8	7.8	11.8

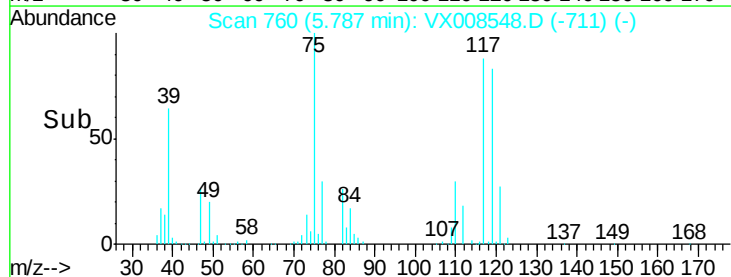
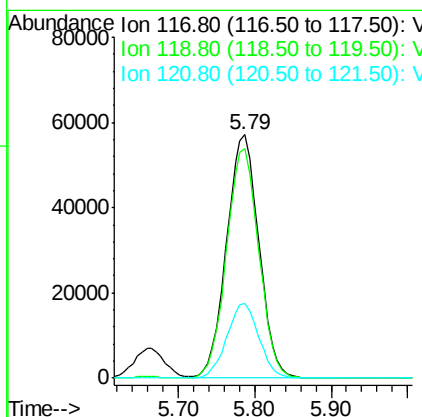
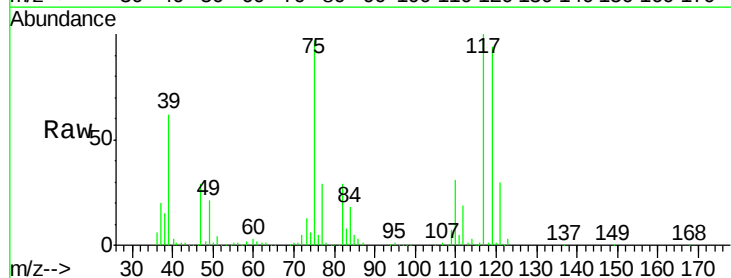
Manual Integrations
APPROVED

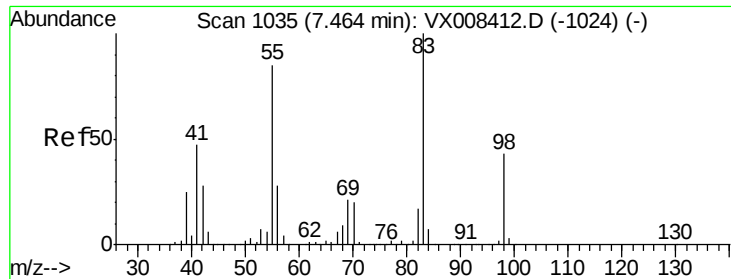
MMDadoda
3/30/2019 9:50:55 AM



#38
Carbon Tetrachloride
Concen: 54.148 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.7	115.1
121	30.4	24.3	36.5





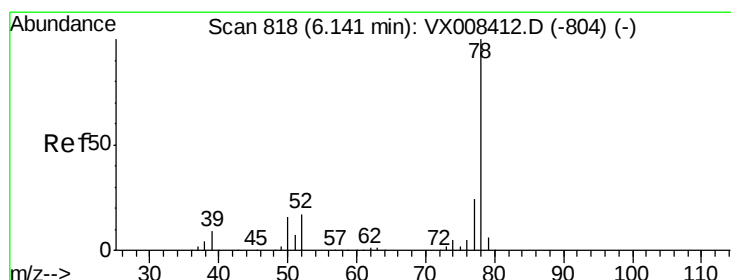
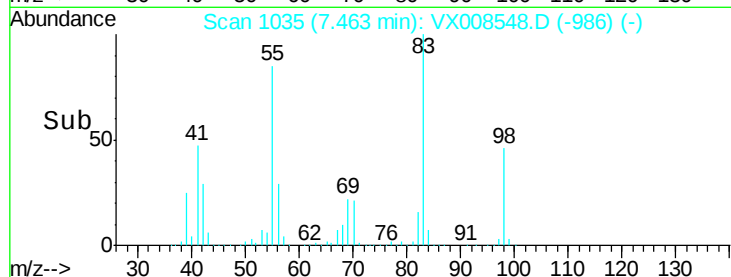
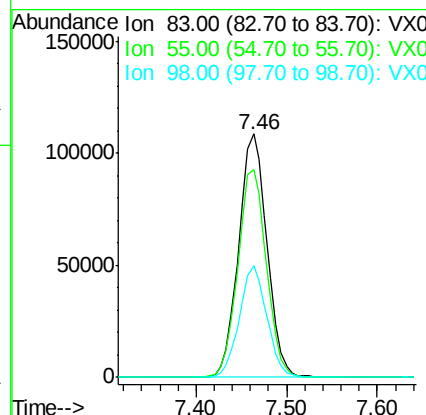
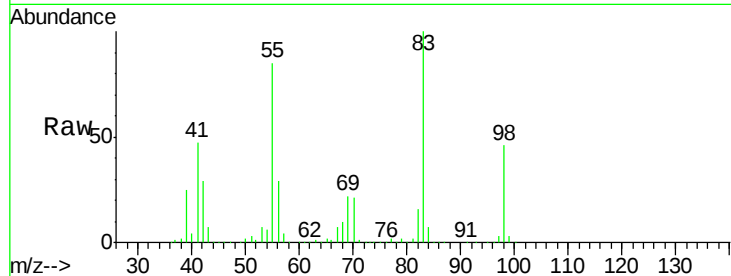
#39
Methvlcvclohexane
Concen: 53.294 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.3	68.2	102.4
98	45.7	34.2	51.4

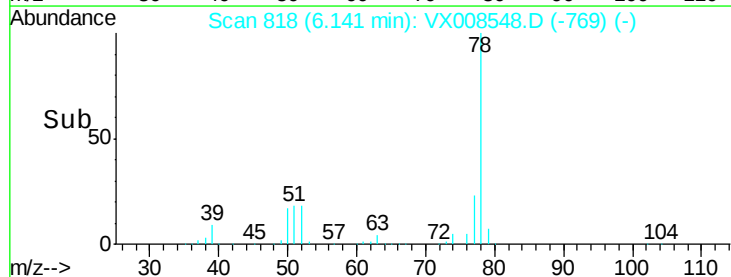
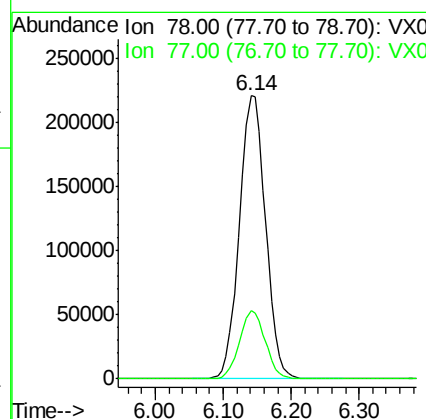
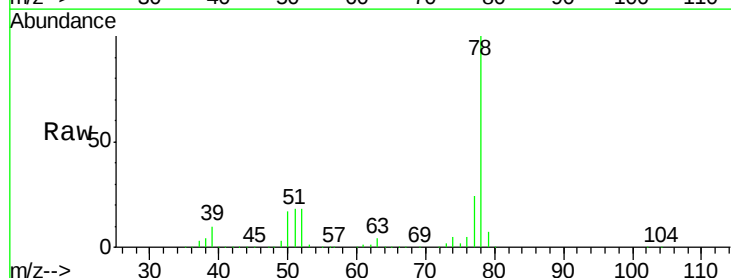
Manual Integrations
APPROVED

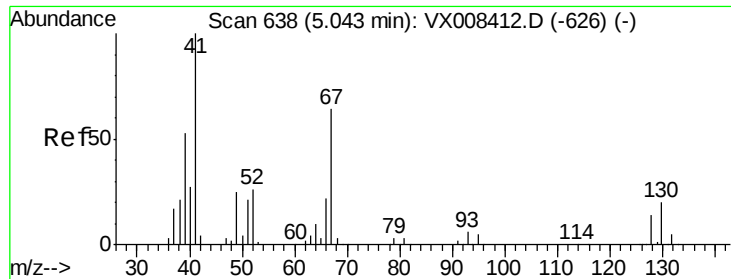
MMDadoda
3/30/2019 9:50:55 AM



#40
Benzene
Concen: 53.226 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





#41

Methacrylonitrile

Concen: 57.014 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 153757

Ion Ratio Lower Upper

41 100

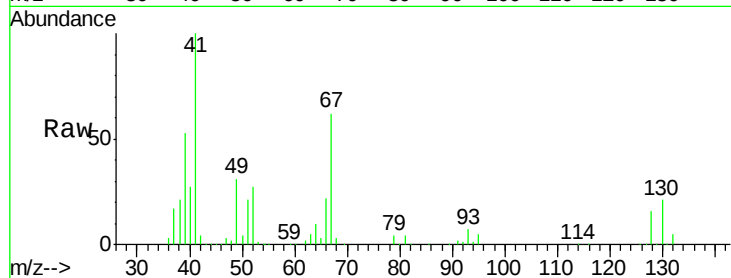
39 54.2 42.6 64.0

67 64.7 52.2 78.4

52 26.7 21.4 32.0

Manual Integrations
APPROVED

MMDadoda
3/30/2019 9:50:55 AM

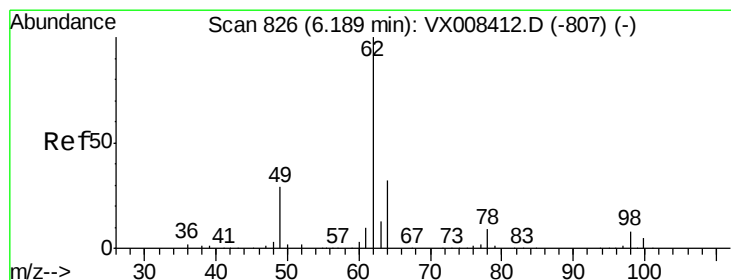
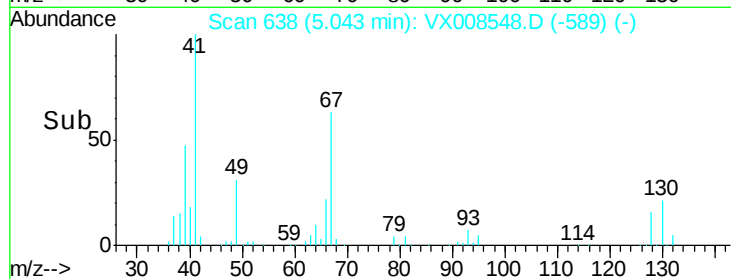
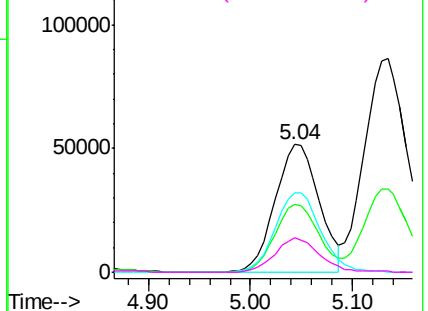


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.525 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX008548.D

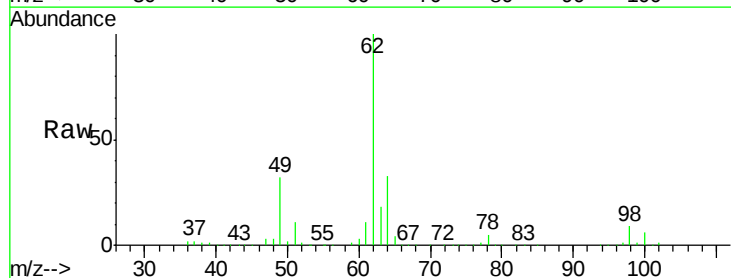
Acq: 29 Mar 2019 16:59

Tgt Ion: 62 Resp: 209207

Ion Ratio Lower Upper

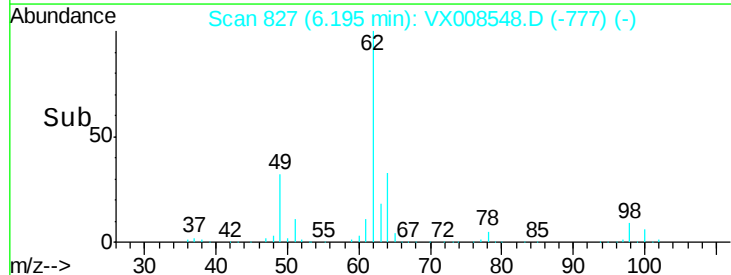
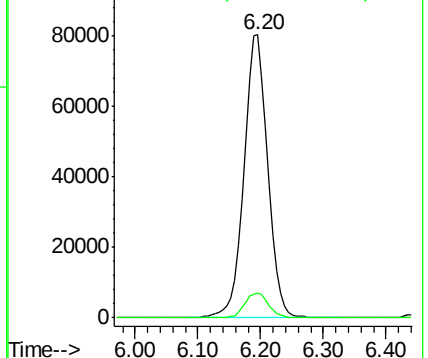
62 100

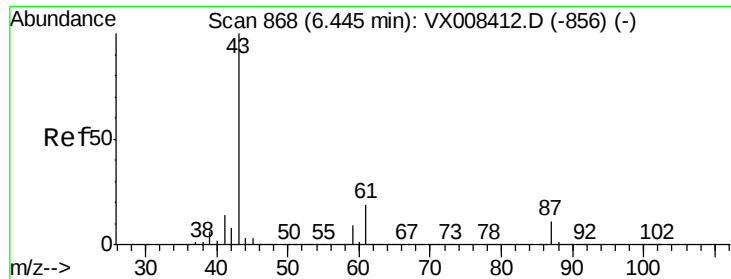
98 8.9 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

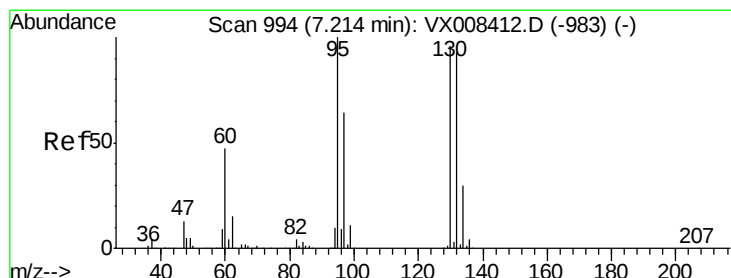
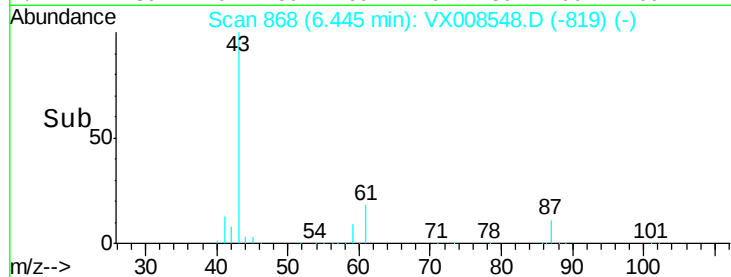
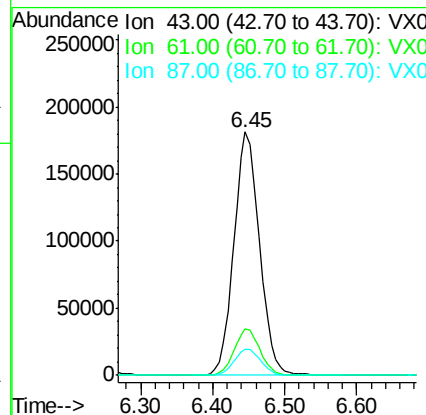
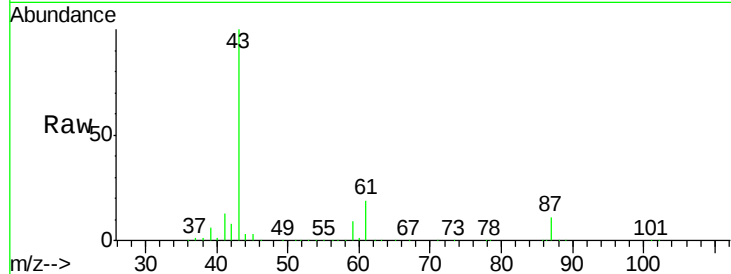
Isopropyl Acetate
 Concen: 58.098 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	43	Resp:	445951
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.2
87	11.3	9.1	13.7

Manual Integrations
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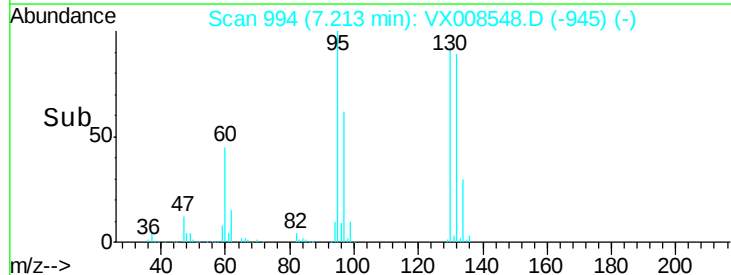
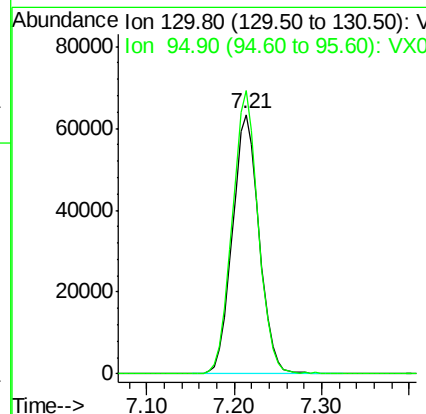
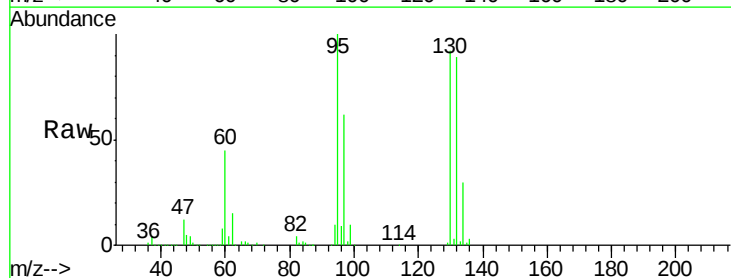
MMDadoda
 3/30/2019 9:50:55 AM

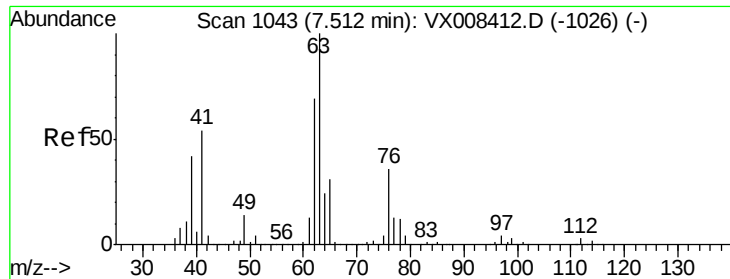


#44

Trichloroethene
 Concen: 51.831 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Tgt Ion:	130	Resp:	134959
Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	208.8





#45

1,2-Dichloropropane

Concen: 54.339 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 171283

Ion Ratio Lower Upper

63 100

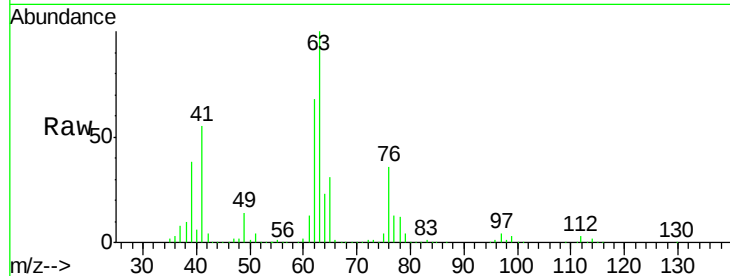
65 31.3 25.1 37.7

Manual Integrations

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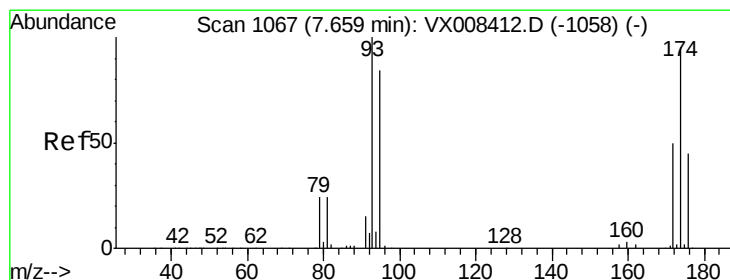
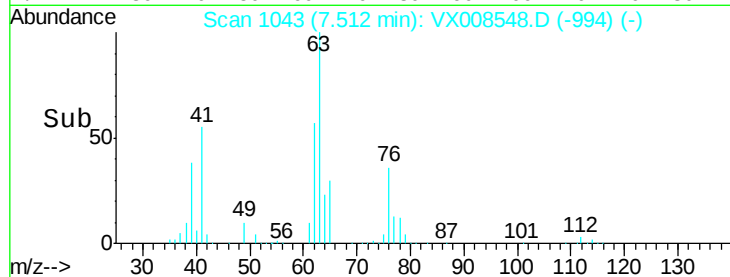
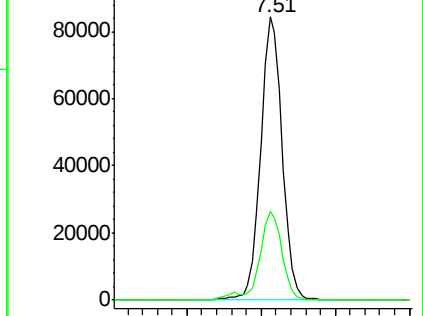
MMDadoda

3/30/2019 9:50:55 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.821 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

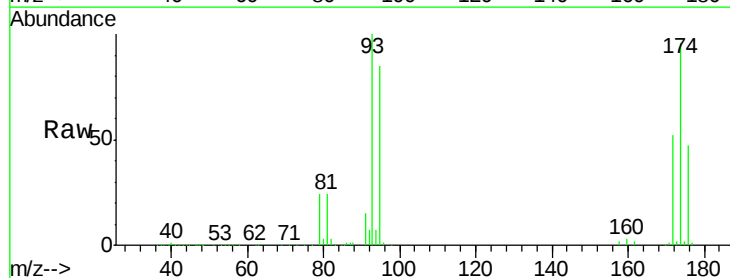
Tgt Ion: 93 Resp: 97227

Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.6

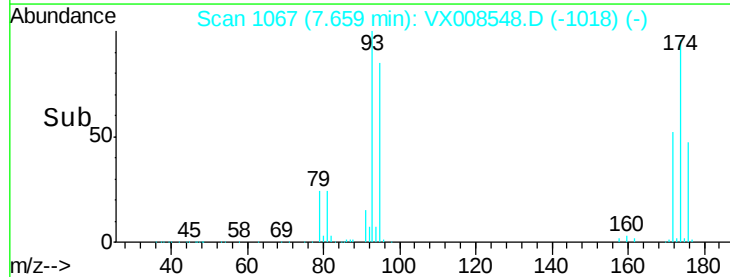
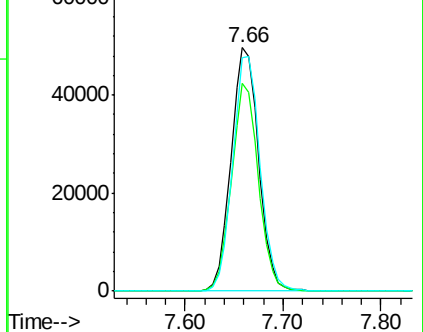
174 96.1 76.0 114.0

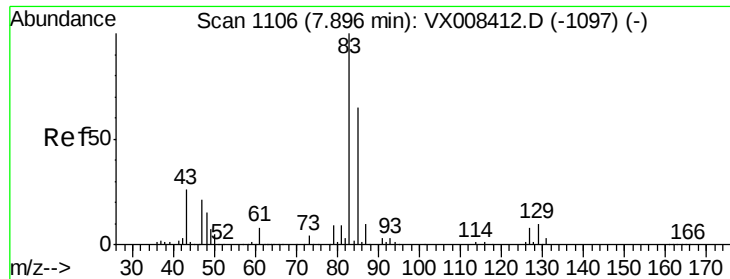


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.590 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

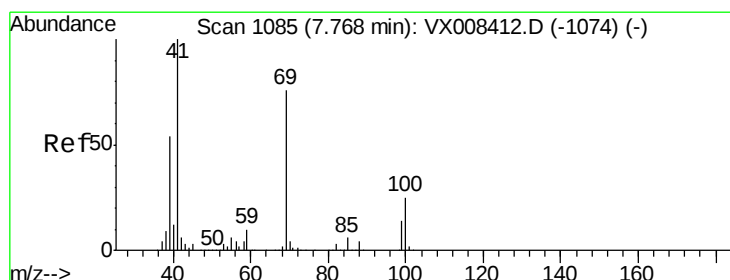
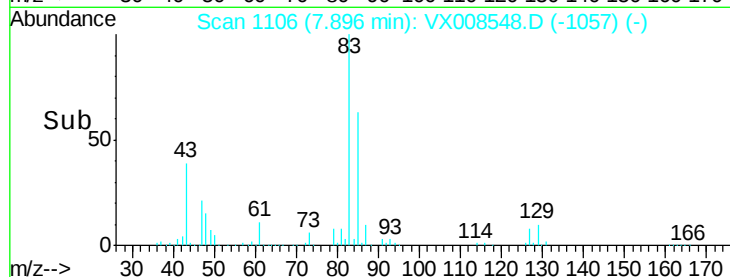
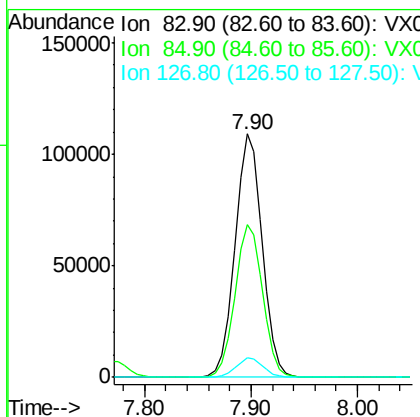
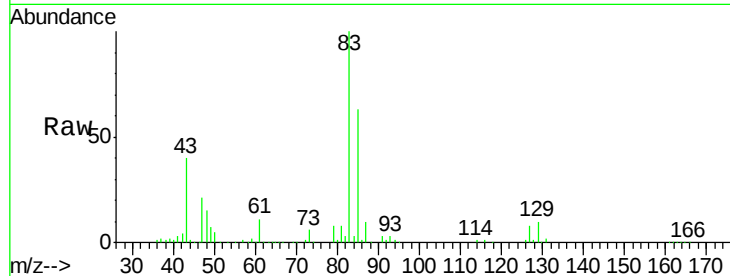
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	195855
Ion Ratio	Lower	Upper	
83	100		
85	62.7	52.0	78.0
127	8.0	6.4	9.6

Manual Integrations
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3/30/2019 9:50:55 AM



#48

Methyl methacrylate

Concen: 58.061 ug/l

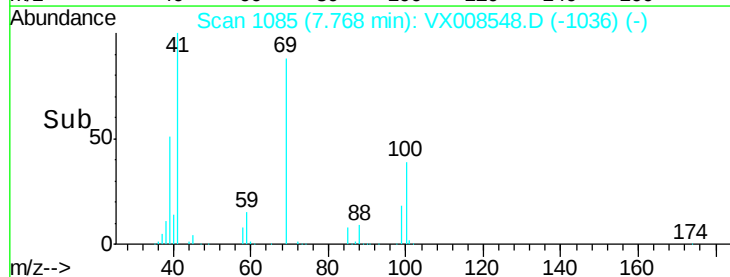
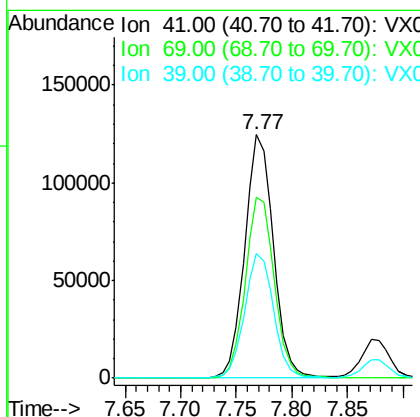
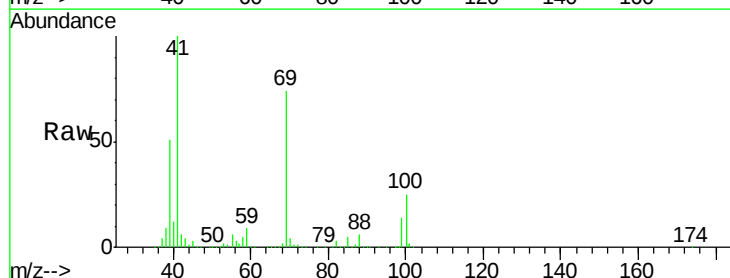
RT: 7.77 min Scan# 1085

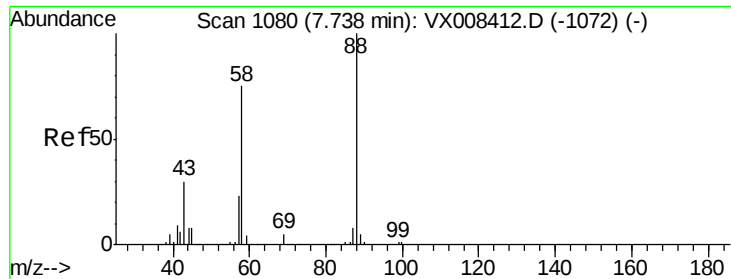
Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Tgt Ion:	41	Resp:	222992
Ion Ratio	Lower	Upper	
41	100		
69	75.6	60.8	91.2
39	51.8	42.3	63.5





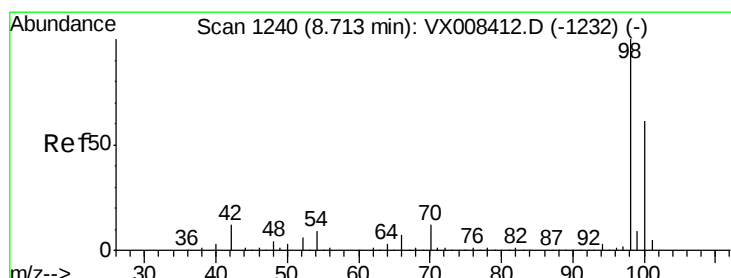
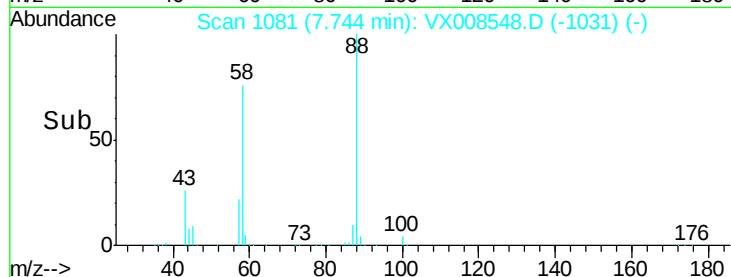
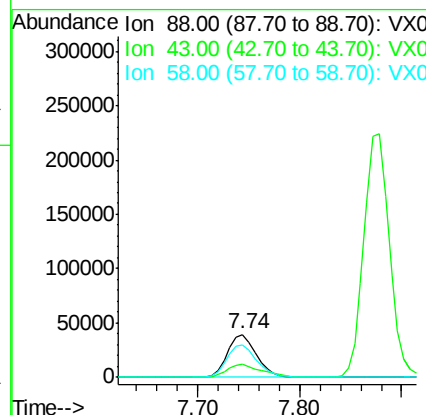
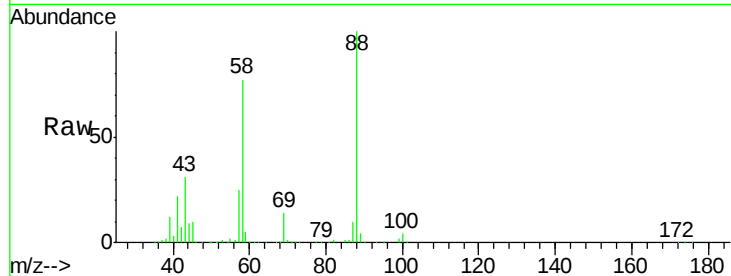
#49
1,4-Dioxane
Concen: 1020.449 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.6	43.0
58	79.2	63.0	94.4

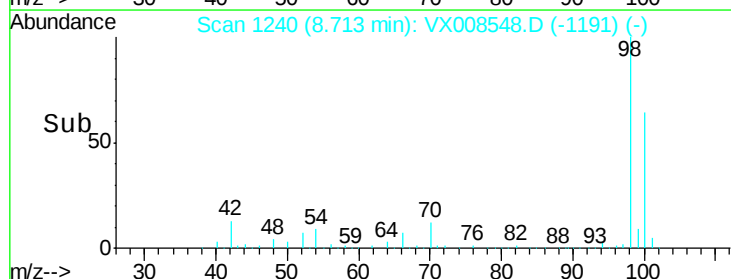
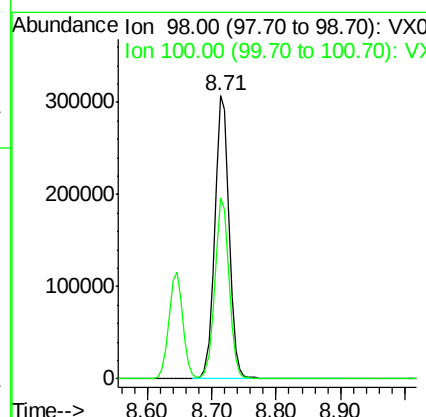
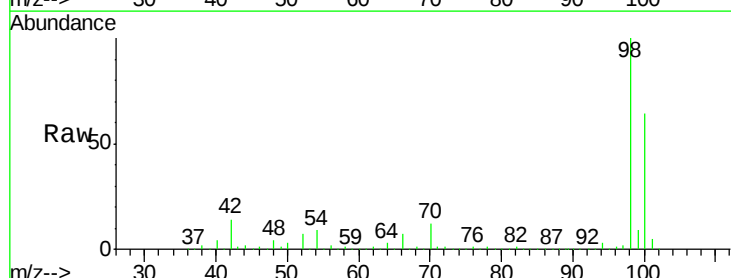
Manual Integrations
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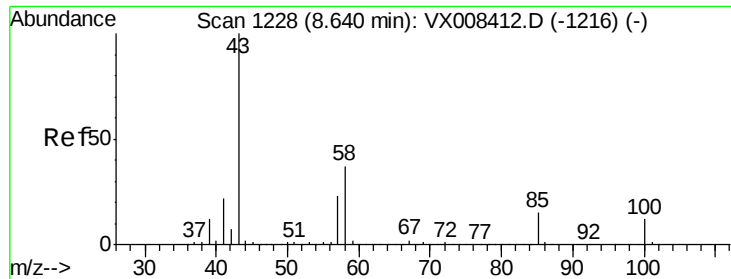
MMDadoda
3/30/2019 9:50:55 AM



#50
Toluene-d8
Concen: 53.106 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 291.265 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1452099

Ion Ratio Lower Upper

43 100

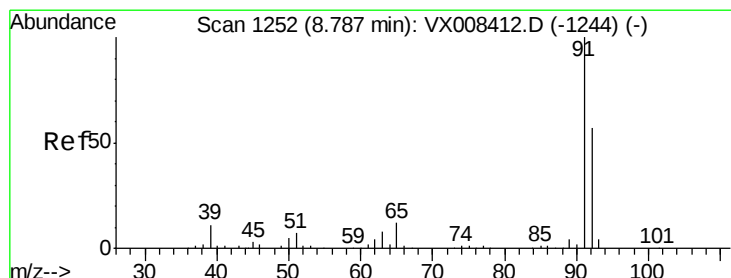
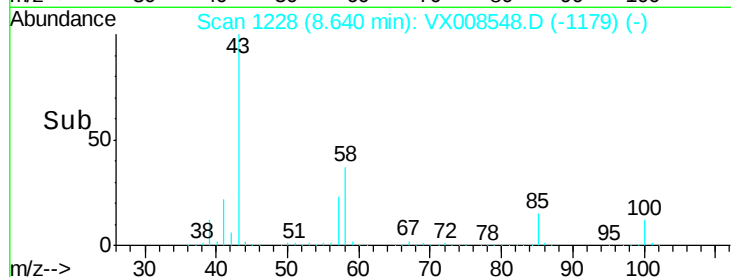
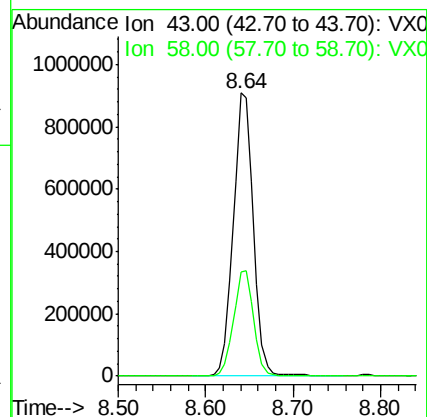
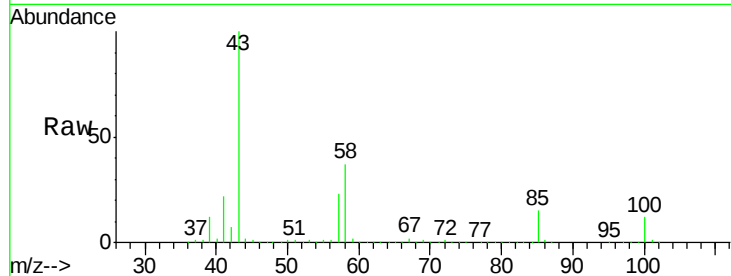
58 37.3 29.8 44.8

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3/30/2019 9:50:55 AM



#52

Toluene

Concen: 53.647 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008548.D

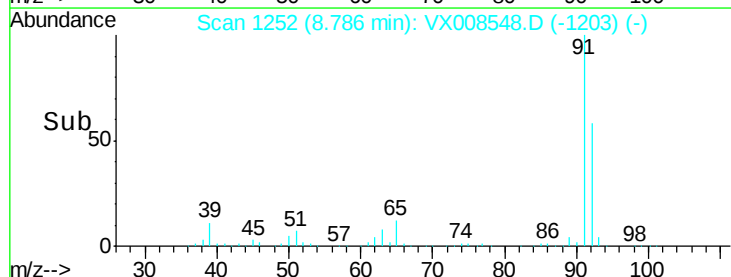
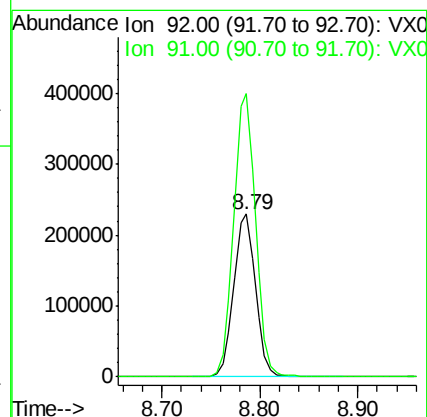
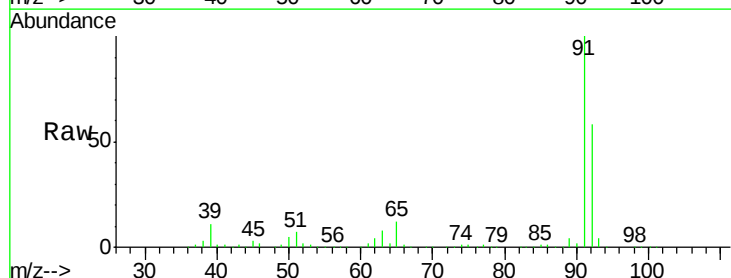
Acq: 29 Mar 2019 16:59

Tgt Ion: 92 Resp: 355723

Ion Ratio Lower Upper

92 100

91 174.7 140.2 210.4





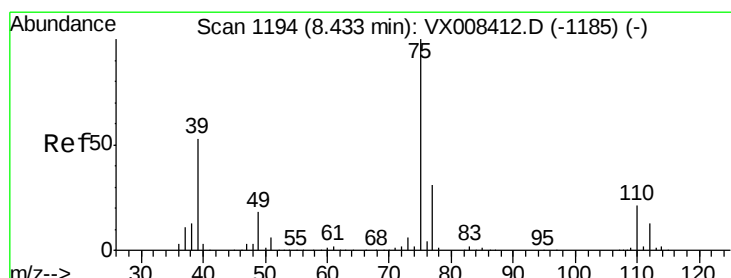
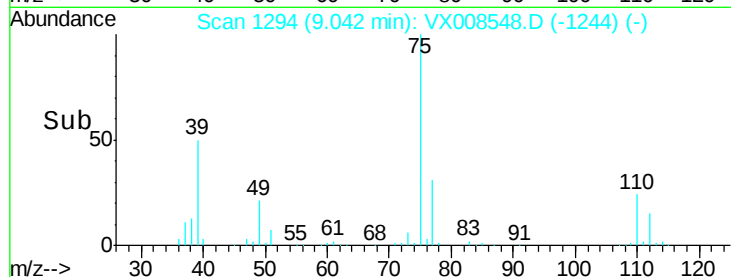
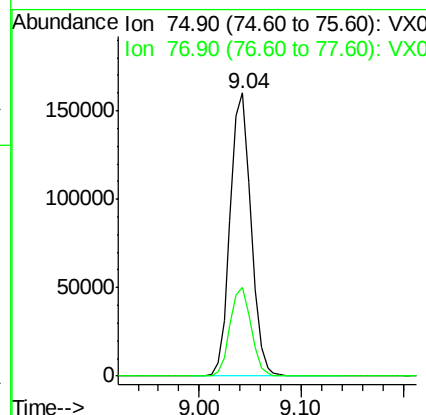
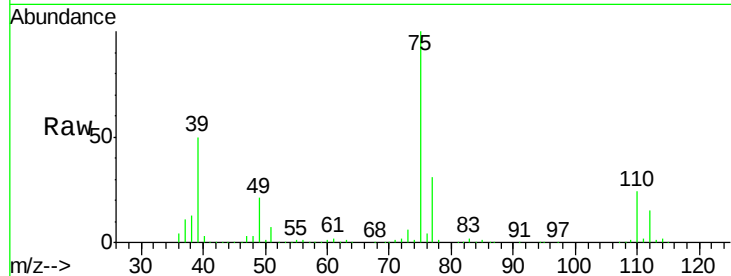
#53
t-1,3-Dichloropropene
Concen: 58.790 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 226873
Ion Ratio Lower Upper
75 100
77 31.3 24.3 36.5

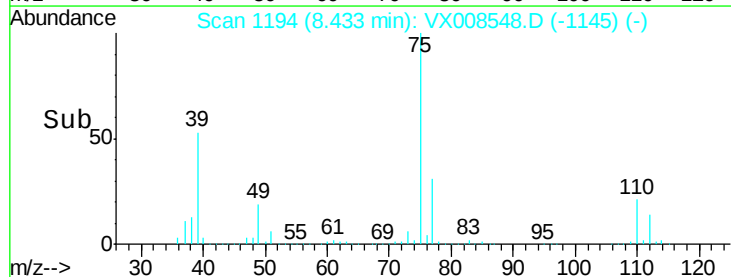
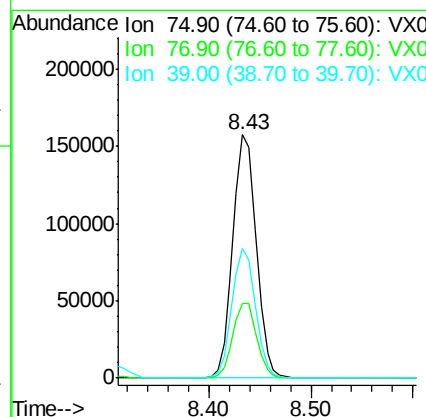
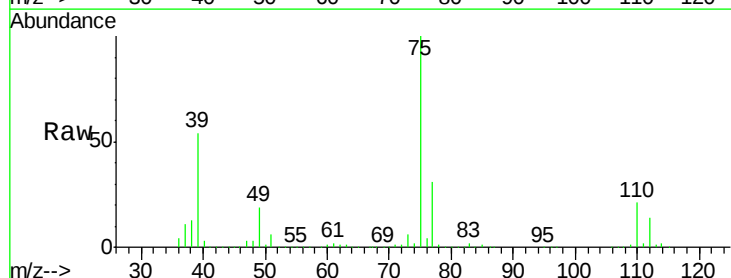
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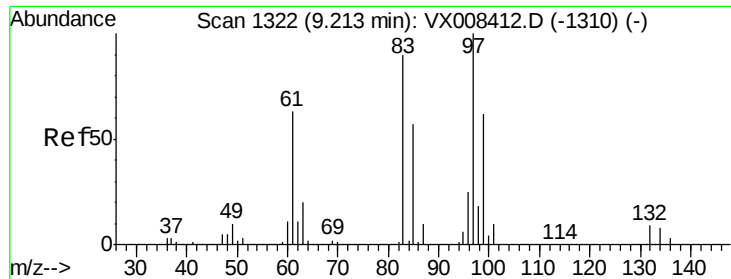
MMDadoda
3/30/2019 9:50:55 AM



#54
cis-1,3-Dichloropropene
Concen: 57.093 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion: 75 Resp: 250535
Ion Ratio Lower Upper
75 100
77 30.9 24.7 37.1
39 53.4 42.4 63.6





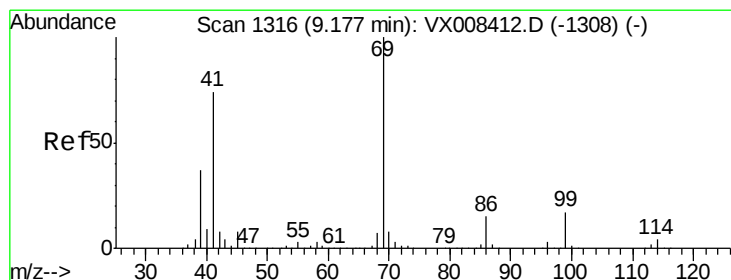
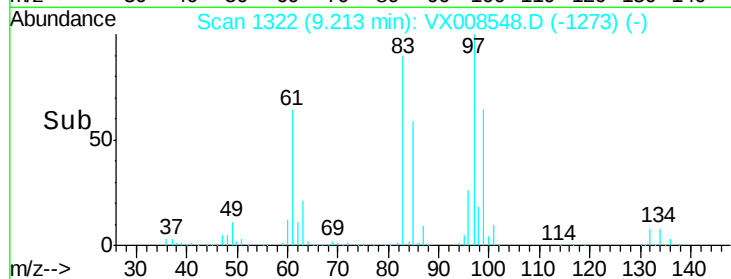
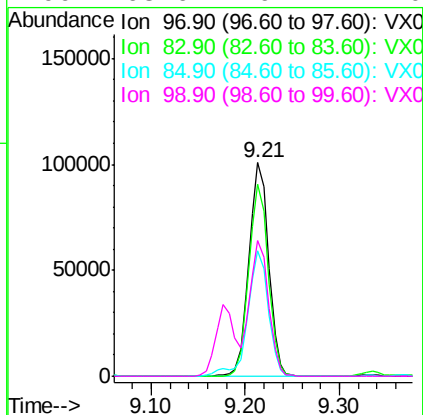
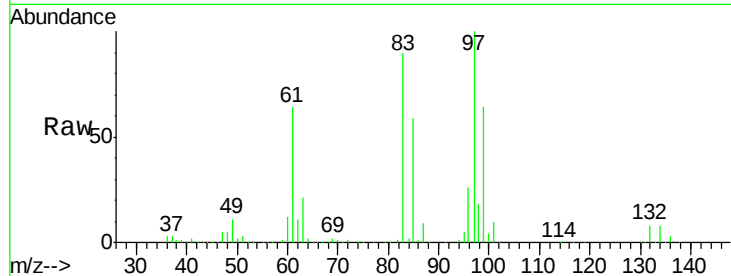
#55
 1,1,2-Trichloroethane
 Concen: 54.675 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	147580
Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.8	107.6
85	58.8	45.9	68.9
99	63.6	49.4	74.0

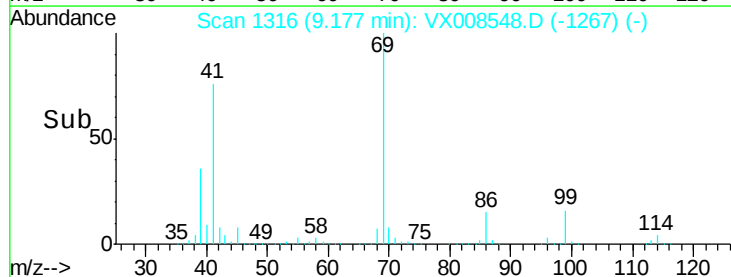
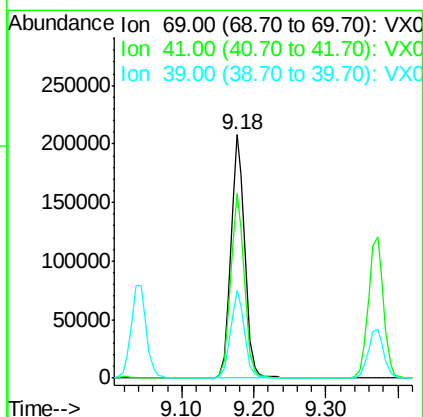
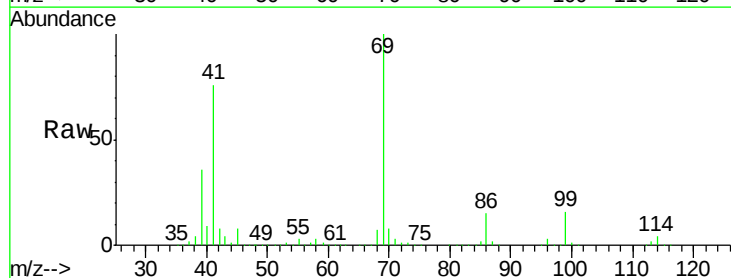
Manual Integrations
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MMDadoda
 3/30/2019 9:50:55 AM



#56
 Ethyl methacrylate
 Concen: 57.886 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Tgt Ion:	69	Resp:	282038
Ion	Ratio	Lower	Upper
69	100		
41	74.8	59.5	89.3
39	35.8	29.3	43.9





#57

1,3-Dichloropropane

Concen: 54.040 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 261526

Ion Ratio Lower Upper

76 100

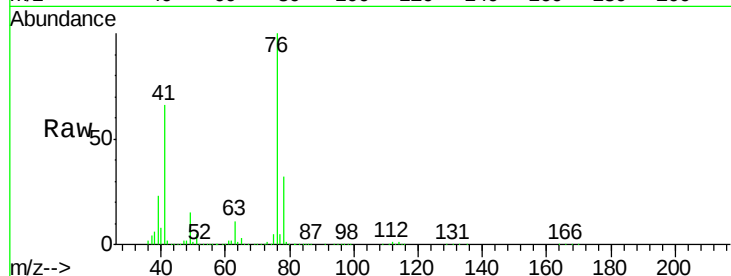
78 31.9 25.8 38.8

Manual Integrations

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MMDadoda

3/30/2019 9:50:55 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

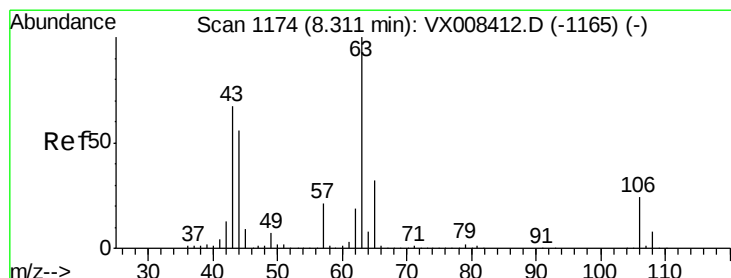
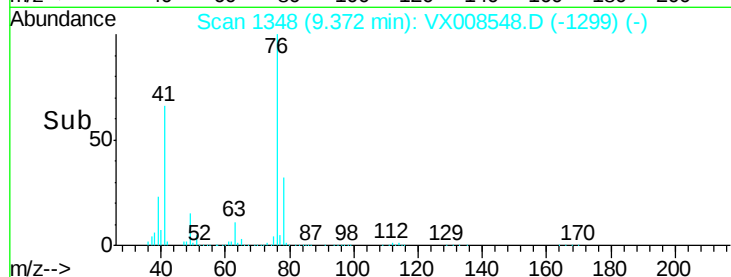
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 225.330 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008548.D

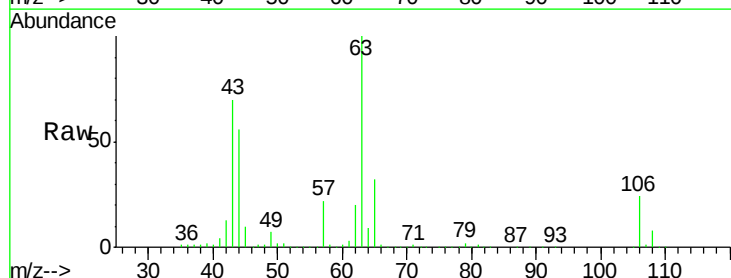
Acq: 29 Mar 2019 16:59

Tgt Ion: 63 Resp: 567511

Ion Ratio Lower Upper

63 100

106 24.2 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

400000

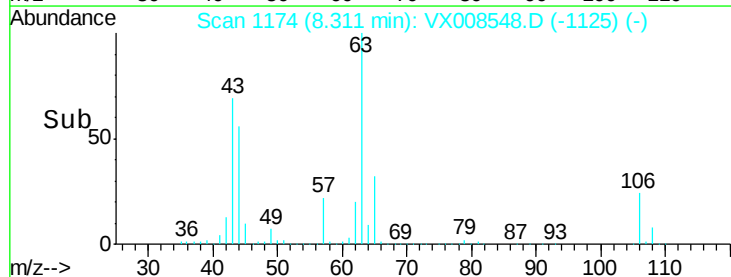
300000

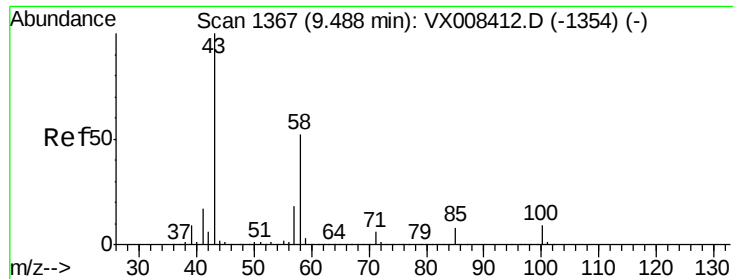
200000

100000

0

Time-->





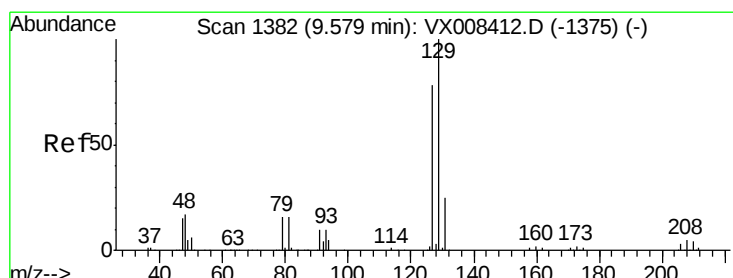
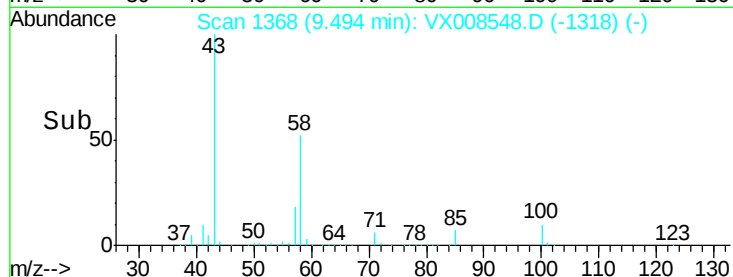
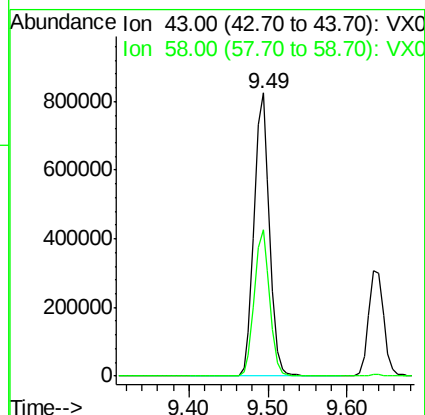
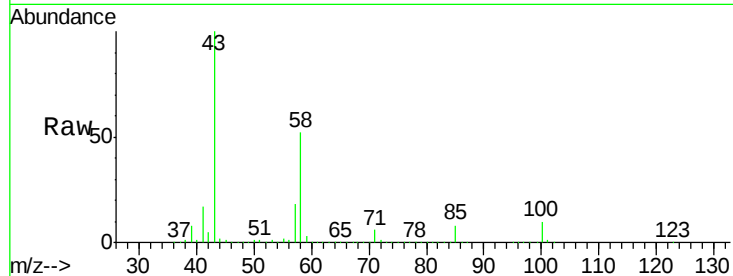
#59
2-Hexanone
Concen: 289.252 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1117388
Ion Ratio Lower Upper
43 100
58 51.8 26.3 78.9

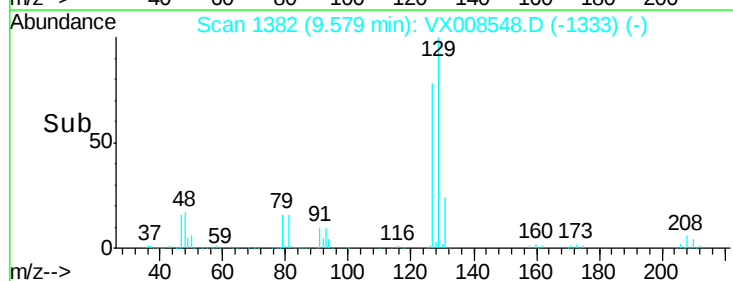
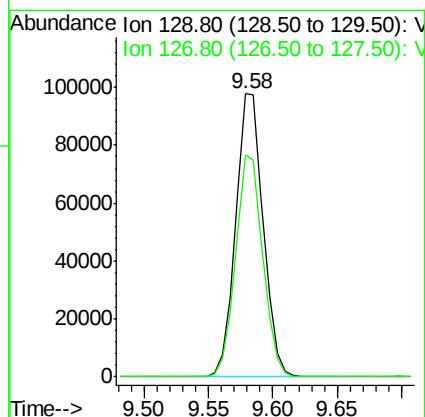
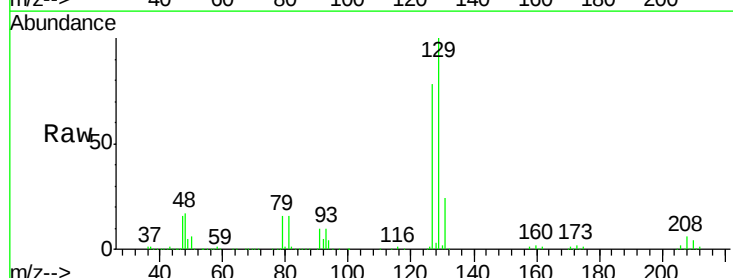
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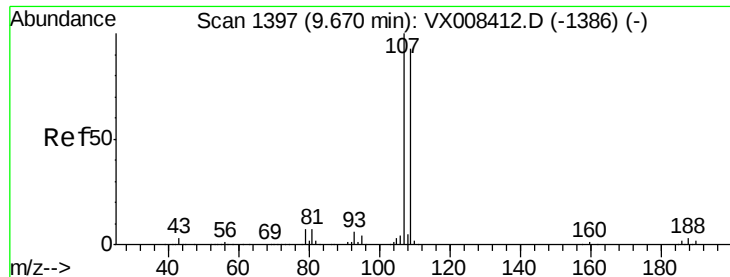
MMDadoda
3/30/2019 9:50:55 AM



#60
Dibromochloromethane
Concen: 56.581 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion: 129 Resp: 145243
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 55.051 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 151643

Ion Ratio Lower Upper

107 100

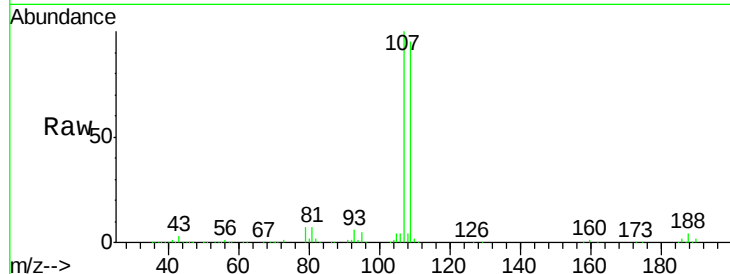
109 94.6 74.6 111.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

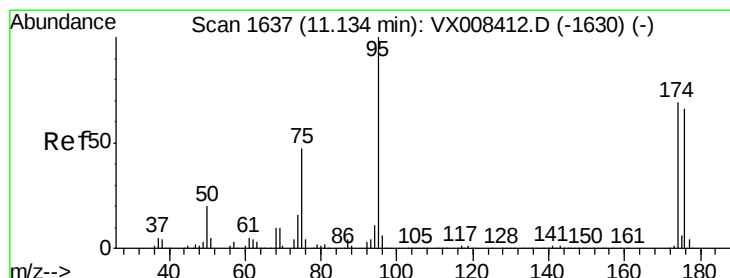
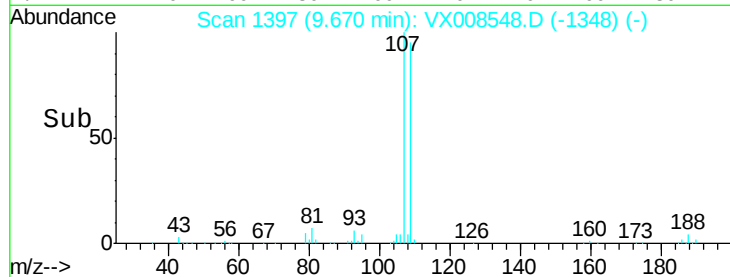
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.670 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

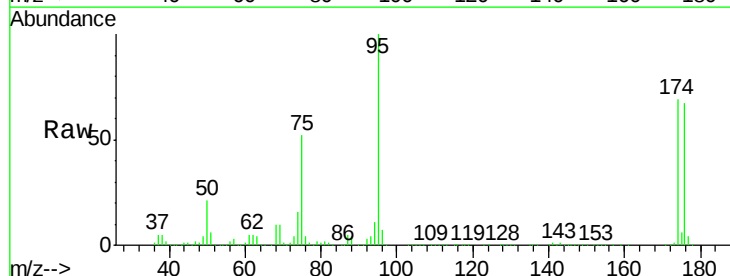
Tgt Ion: 95 Resp: 180150

Ion Ratio Lower Upper

95 100

174 74.8 0.0 147.2

176 72.5 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

200000

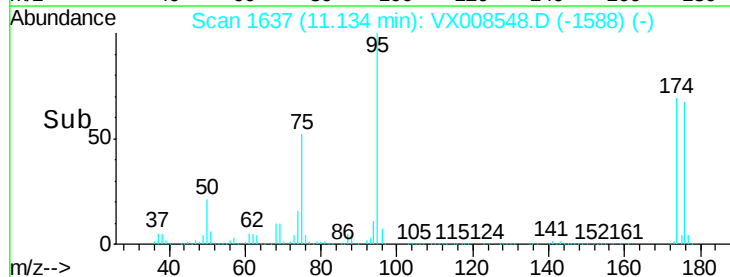
150000

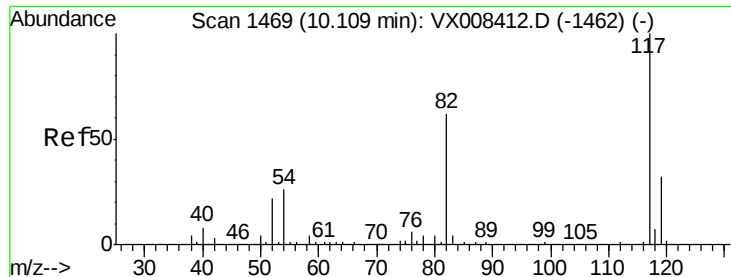
100000

50000

0

Time-->





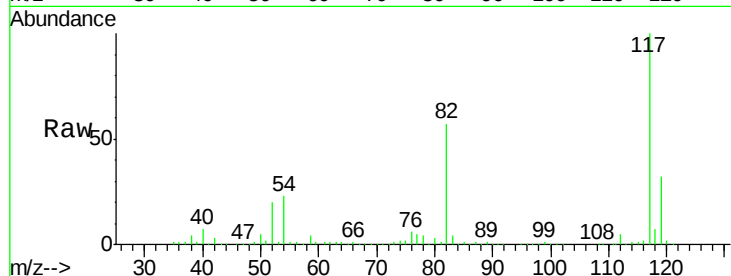
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	49.4	74.2
119	32.2	25.4	38.0

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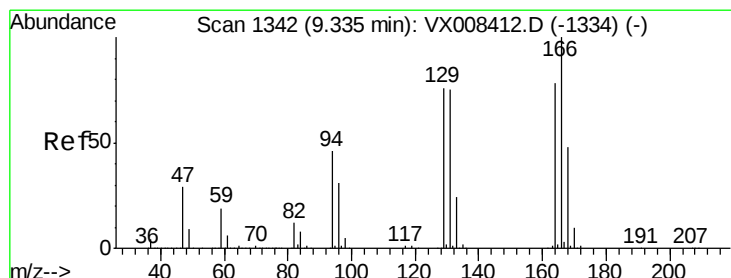
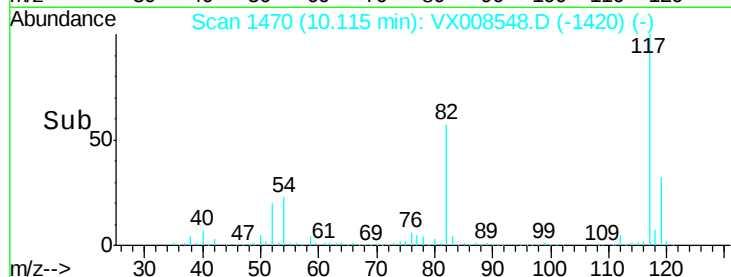
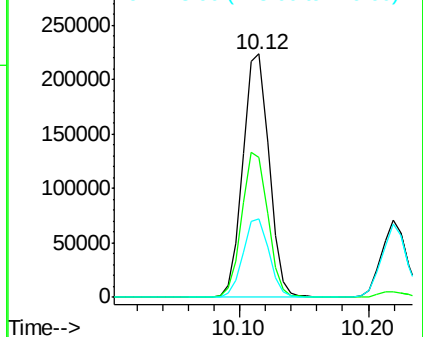


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 53.115 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.5	153.7
129	97.1	77.8	116.8
131	91.7	76.9	115.3

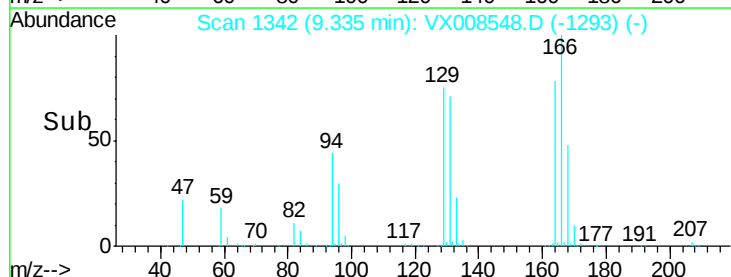
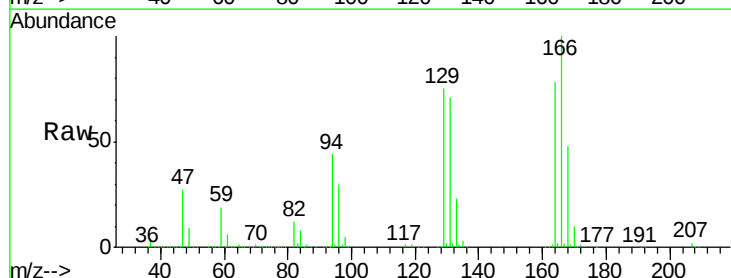
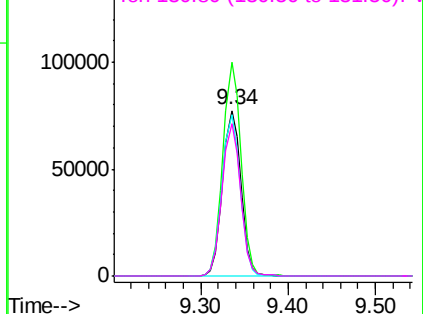
Abundance

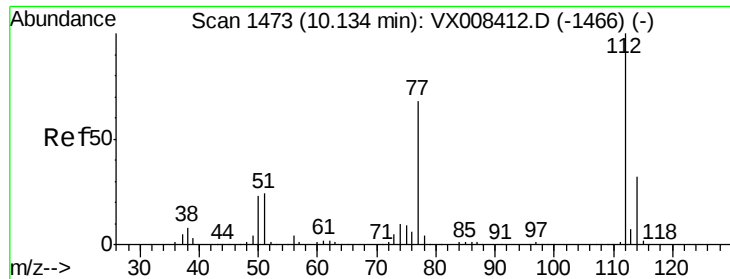
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





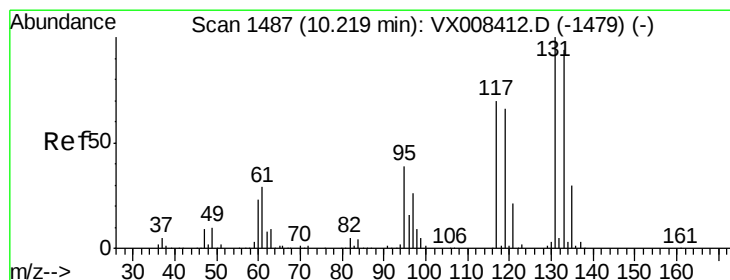
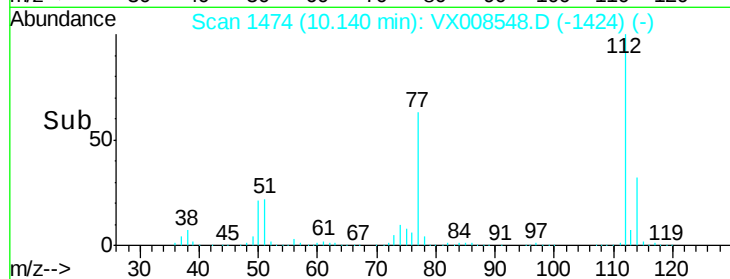
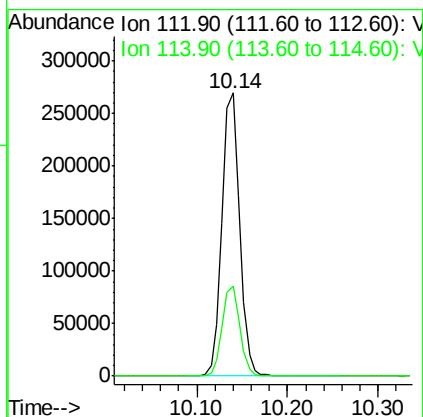
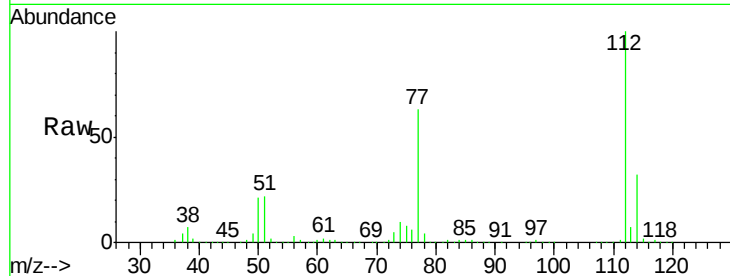
#65
Chlorobenzene
Concen: 53.979 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 368374
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

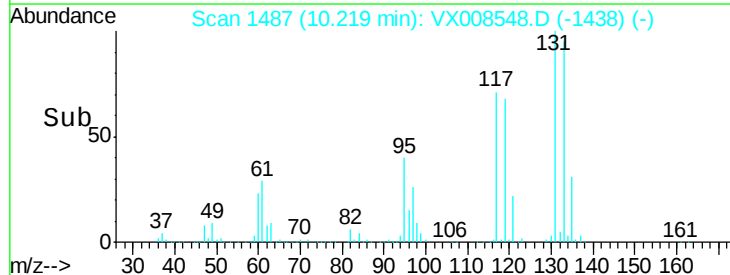
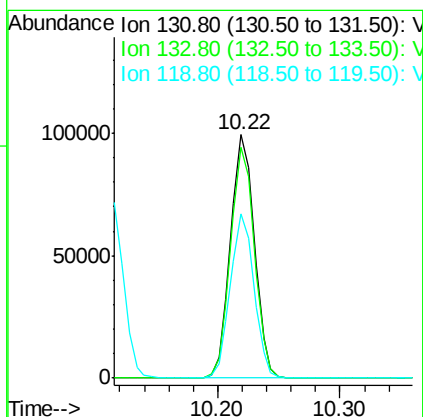
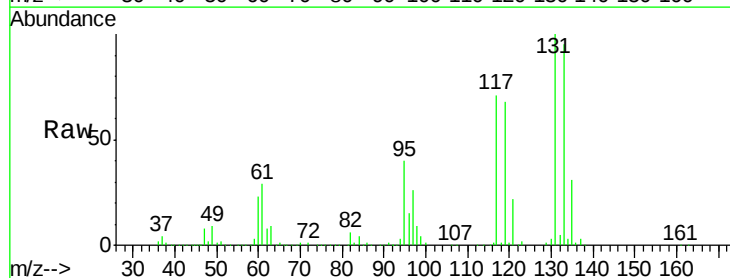
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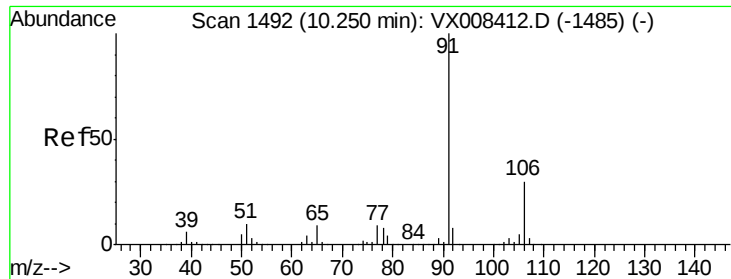
MMDadoda
3/30/2019 9:50:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.857 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion:131 Resp: 133869
Ion Ratio Lower Upper
131 100
133 94.7 47.3 141.8
119 67.1 33.6 100.6





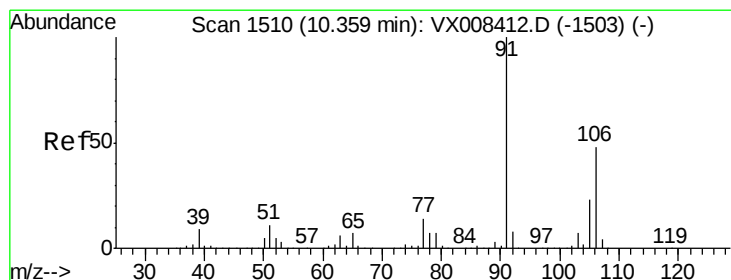
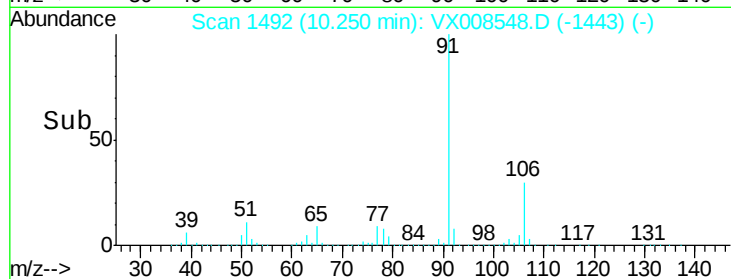
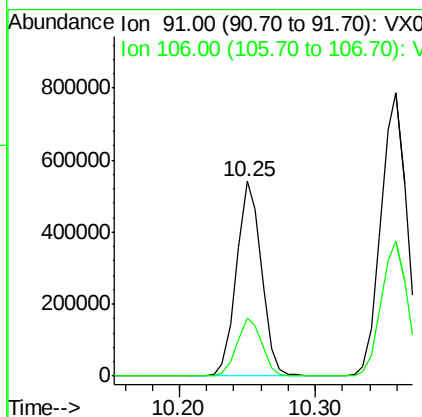
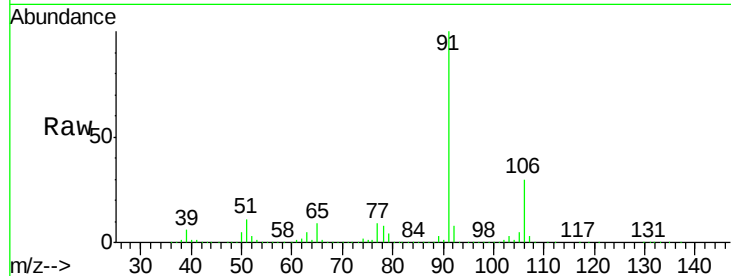
#67
Ethyl Benzene
Concen: 53.807 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 693006
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0

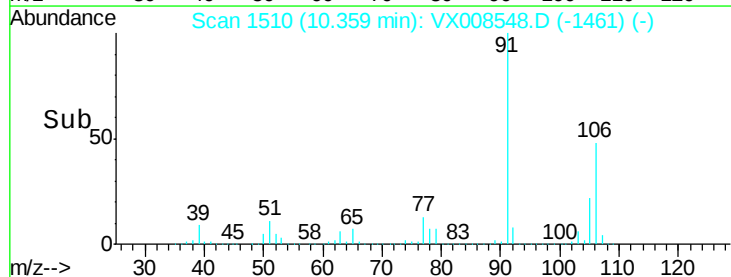
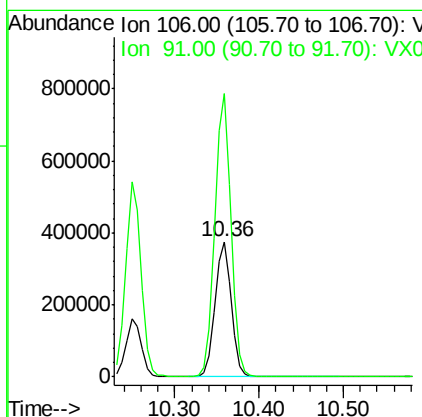
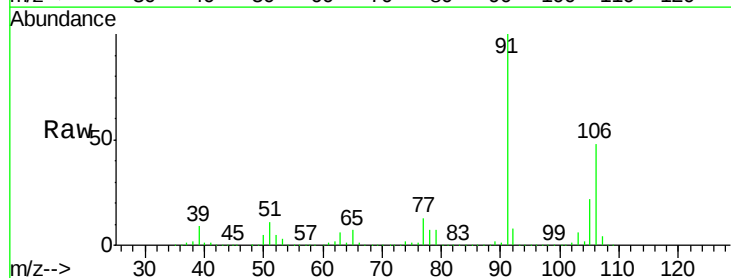
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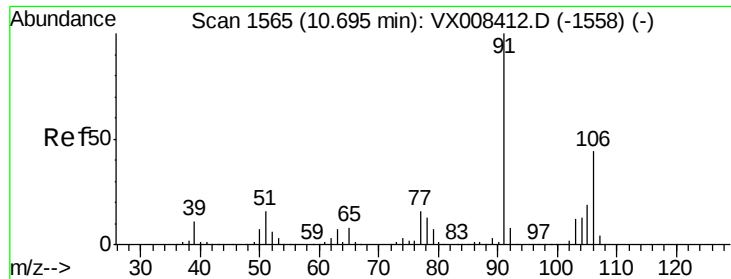
MMDadoda
3/30/2019 9:50:55 AM



#68
m/p-Xylenes
Concen: 107.207 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion: 106 Resp: 502321
Ion Ratio Lower Upper
106 100
91 209.2 168.6 253.0





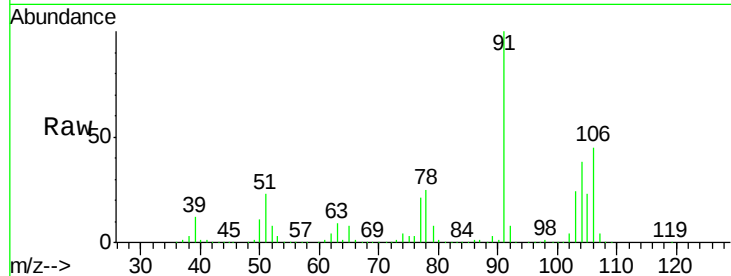
#69
o-Xylene
Concen: 53.693 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

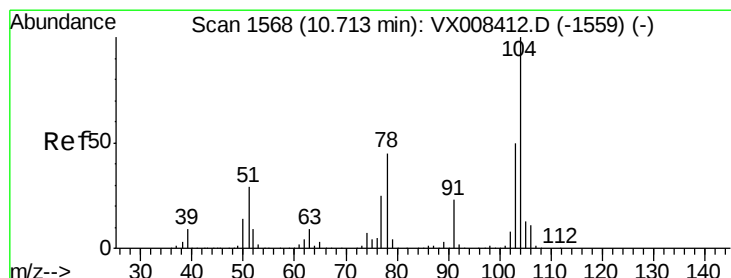
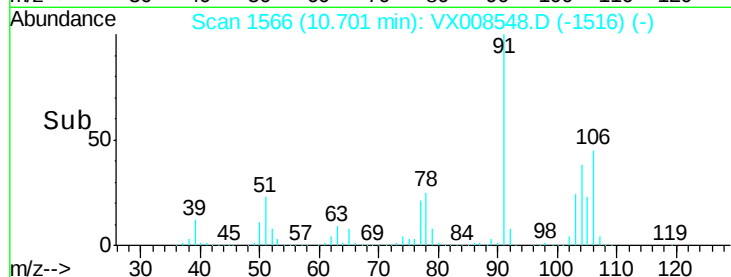
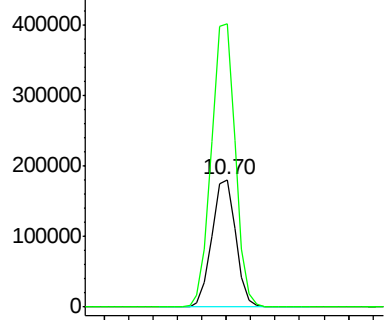
Tot Ion:106 Resp: 244141
Ion Ratio Lower Upper
106 100
91 222.6 111.4 334.2

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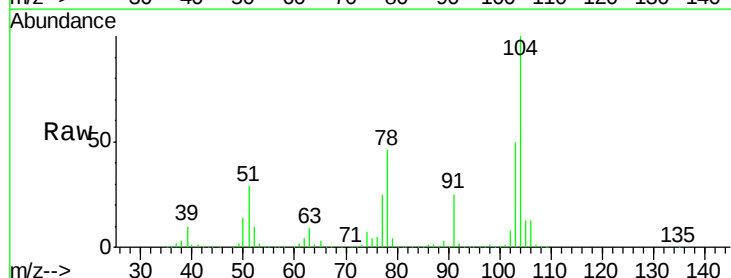


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

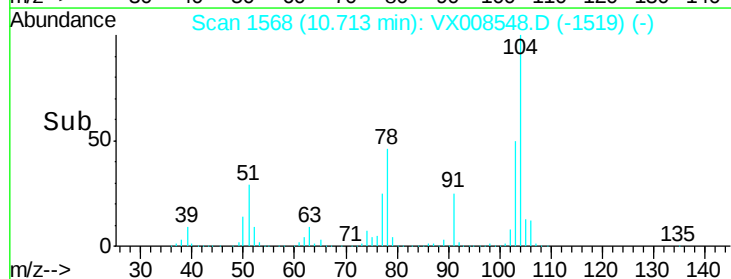
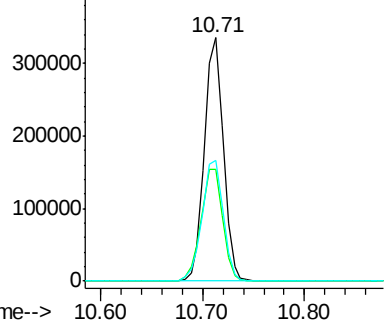


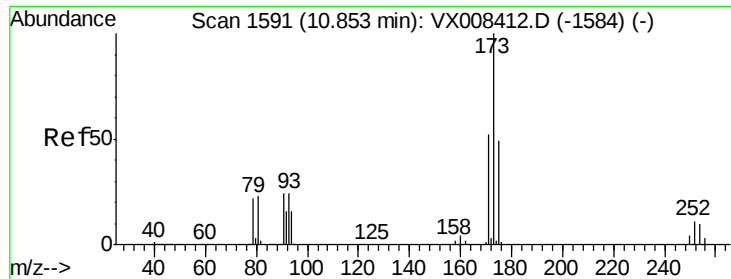
#70
Styrene
Concen: 54.750 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion:104 Resp: 430020
Ion Ratio Lower Upper
104 100
78 52.8 42.5 63.7
103 55.4 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: 57.727 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 107337

Ion Ratio Lower Upper

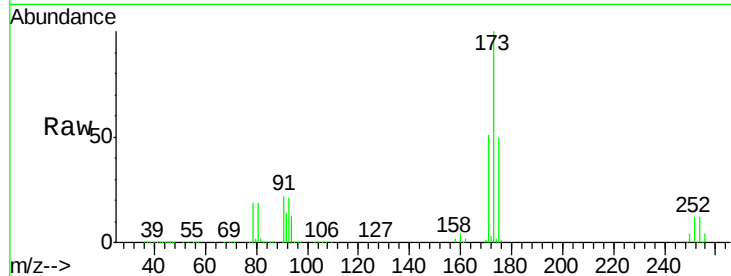
173 100

175 49.4 24.3 72.8

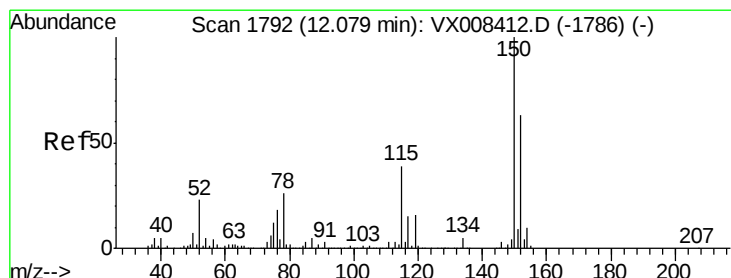
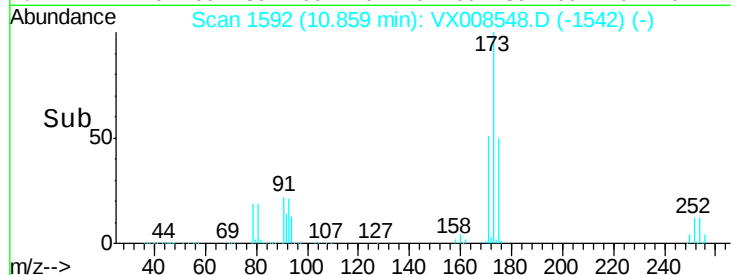
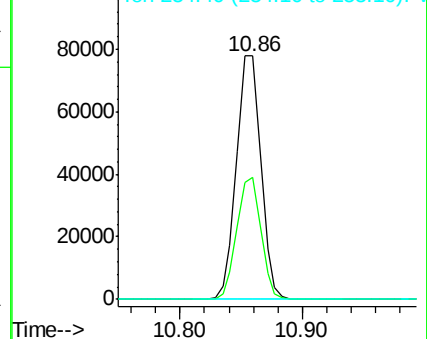
254 0.2 0.2 0.2

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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: VX008548.D

Acq: 29 Mar 2019 16:59

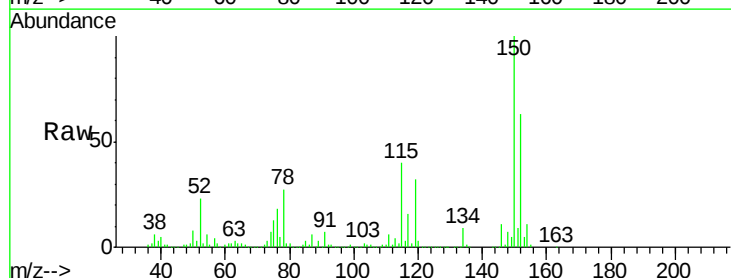
Tgt Ion:152 Resp: 147411

Ion Ratio Lower Upper

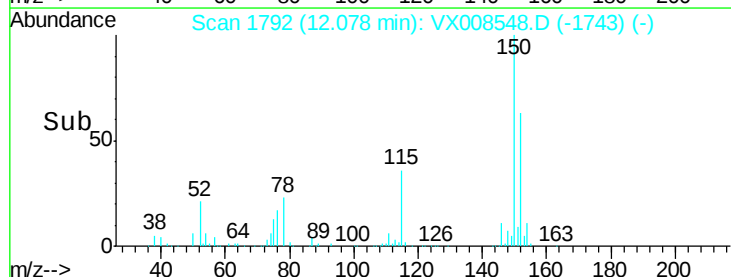
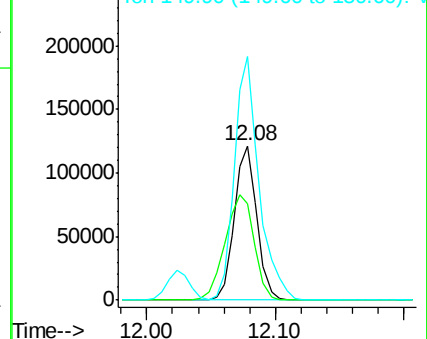
152 100

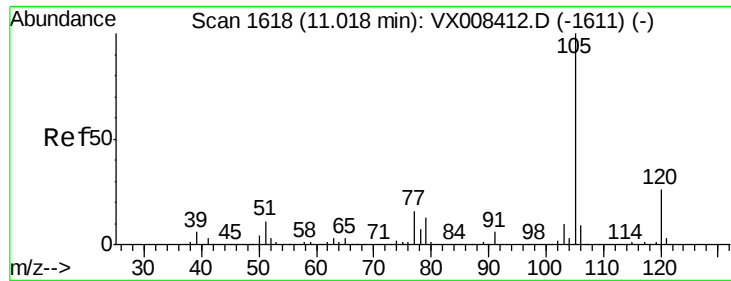
115 89.1 43.5 130.5

150 173.3 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: 54.033 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 648001

Ion Ratio Lower Upper

105 100

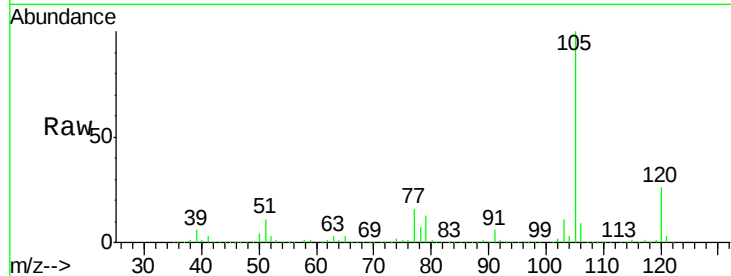
120 25.8 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

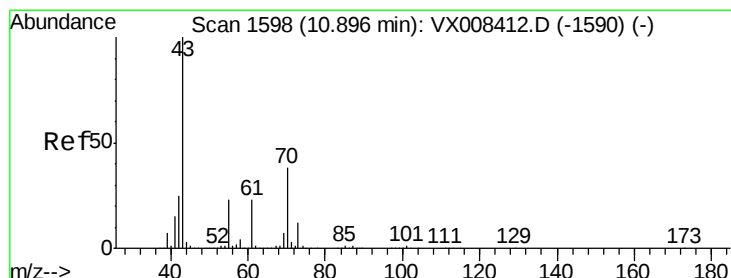
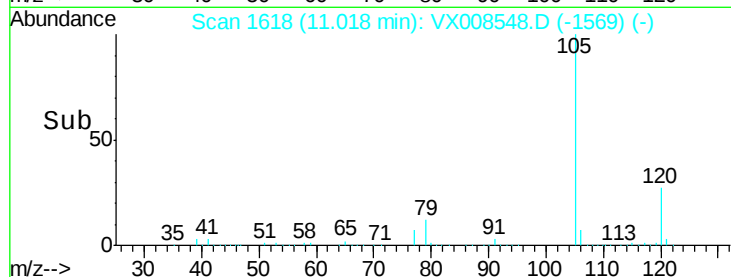
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 56.851 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Tgt Ion: 43 Resp: 394631

Ion Ratio Lower Upper

43 100

70 38.0 30.5 45.7

55 22.2 18.2 27.2

61 22.9 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

500000

400000

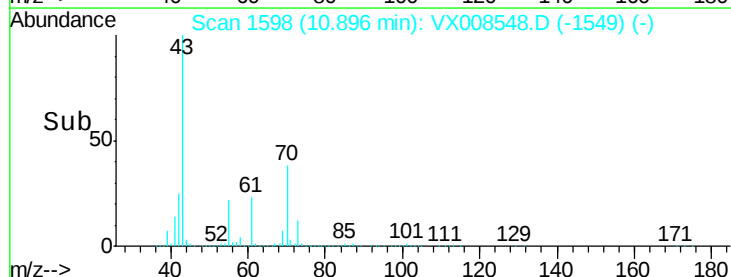
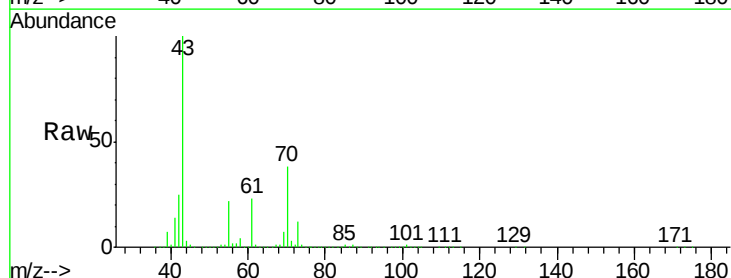
300000

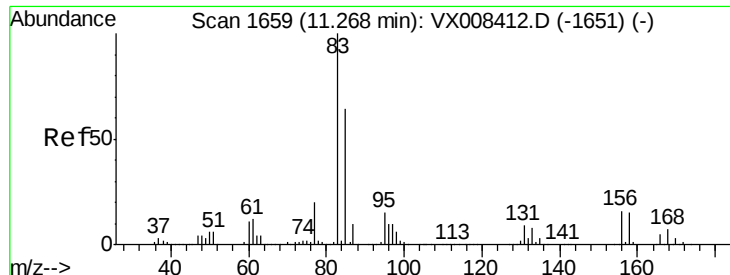
200000

100000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 52.269 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

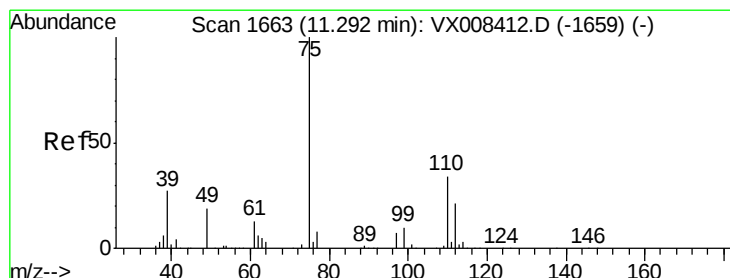
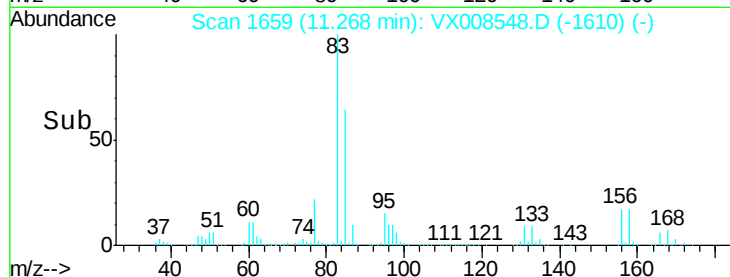
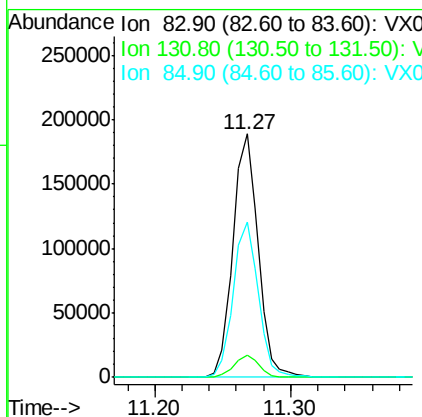
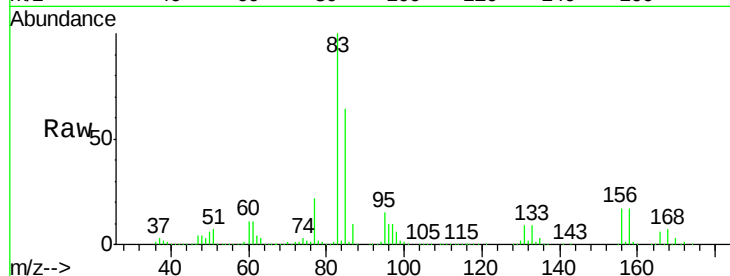
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	243213
Ion Ratio		Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.0	31.9	95.9

Manual Integrations
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3/30/2019 9:50:55 AM



#76

1,2,3-Trichloropropane

Concen: 47.659 ug/l m

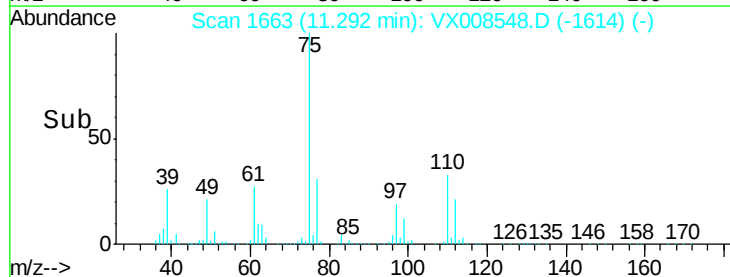
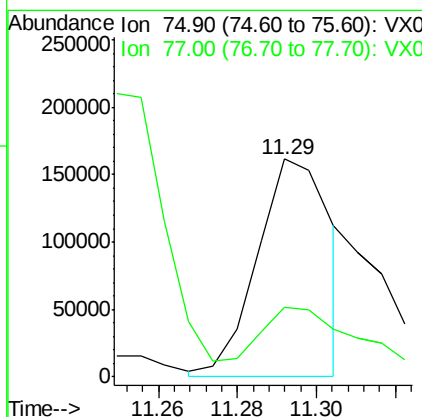
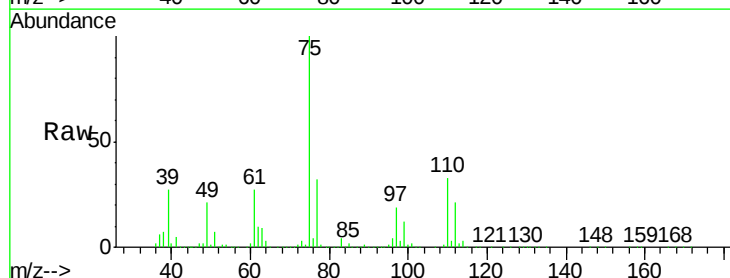
RT: 11.29 min Scan# 1663

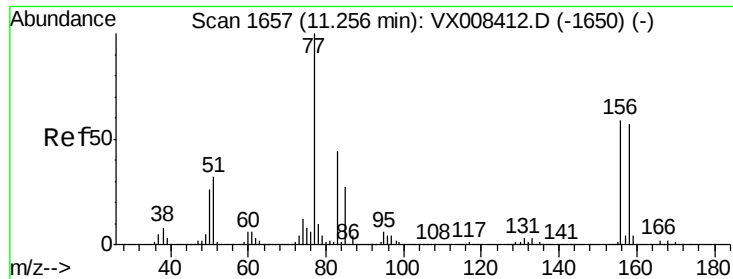
Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Tgt Ion:	75	Resp:	208860
Ion Ratio		Lower	Upper
75	100		
77	44.8	21.9	65.7





#77

Bromobenzene

Concen: 52.970 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

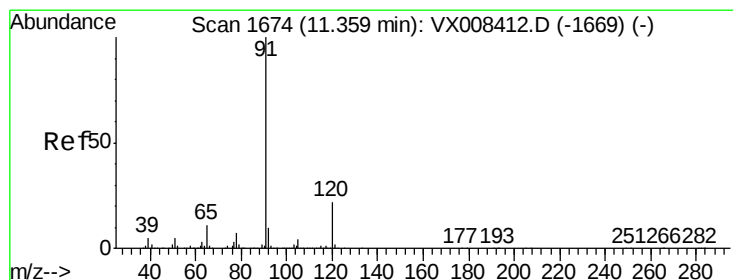
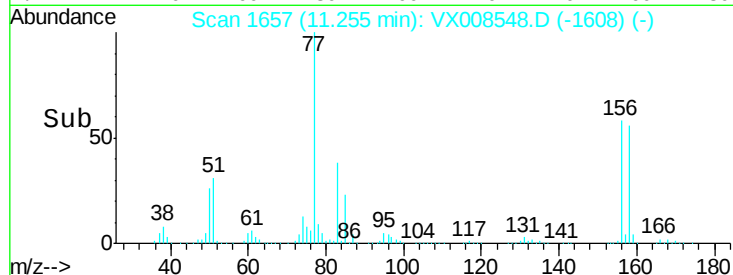
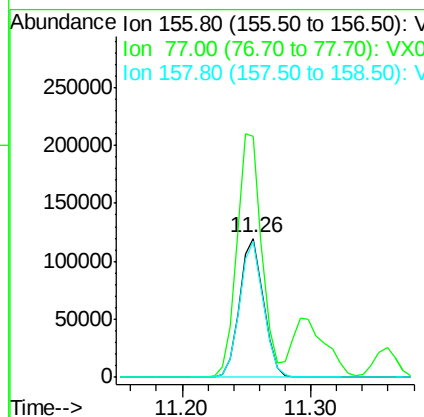
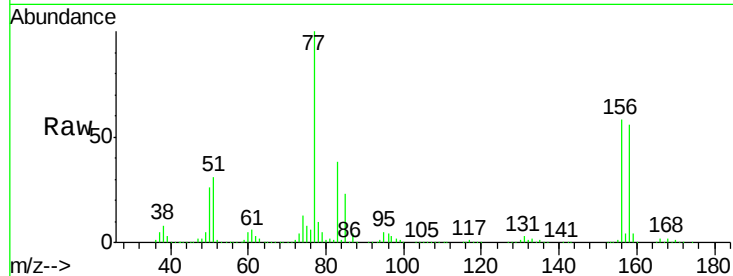
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	154176
Ion	Ratio	Lower	Upper
156	100		
77	181.8	91.1	273.3
158	97.4	48.3	144.8

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#78

n-propylbenzene

Concen: 54.630 ug/l

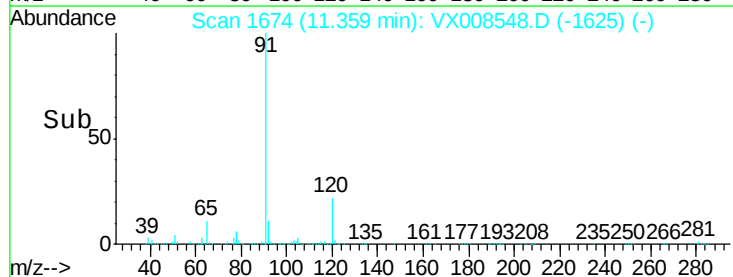
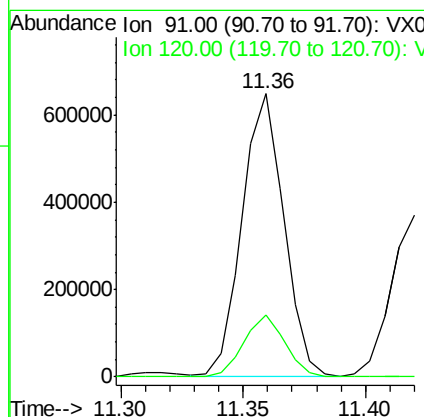
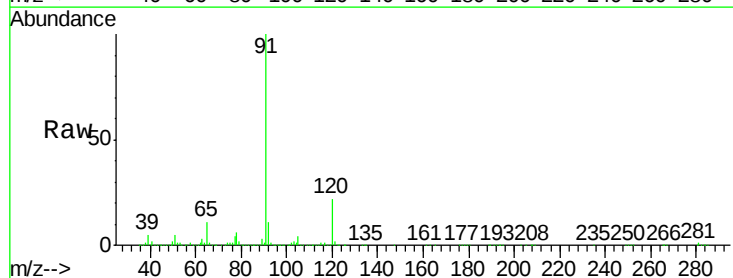
RT: 11.36 min Scan# 1674

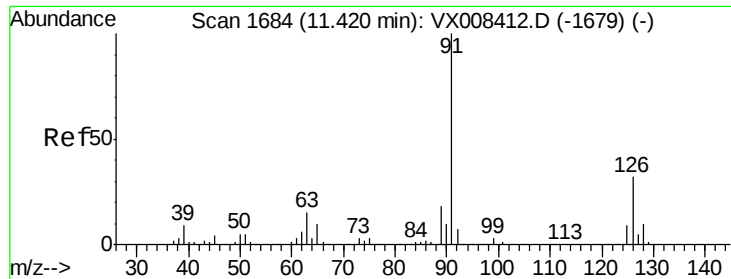
Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Tgt Ion:	91	Resp:	767467
Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79

2-Chlorotoluene

Concen: 52.989 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 452782

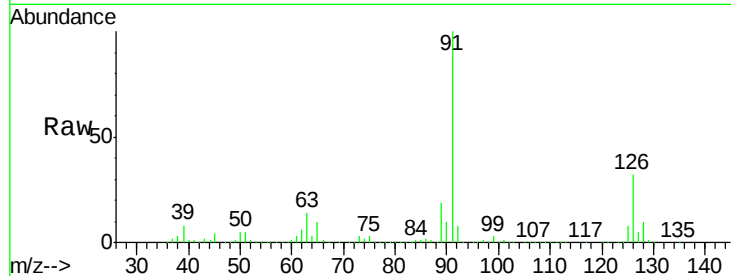
Ion Ratio Lower Upper

91 100

126 31.8 15.7 47.1

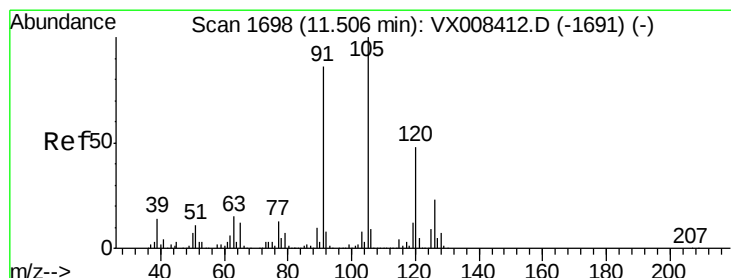
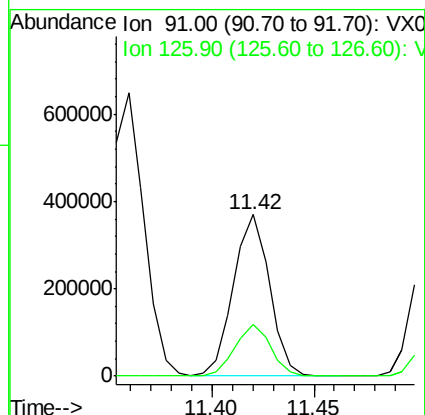
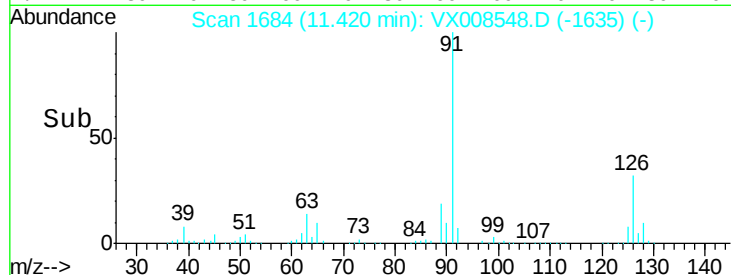
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Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1679) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 54.565 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008548.D

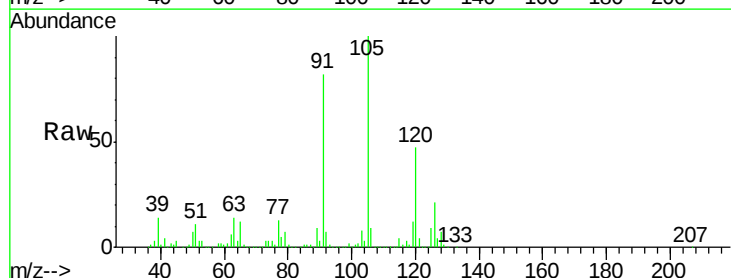
Acq: 29 Mar 2019 16:59

Tgt Ion: 105 Resp: 553229

Ion Ratio Lower Upper

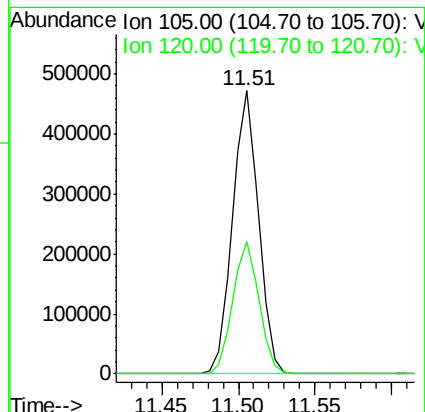
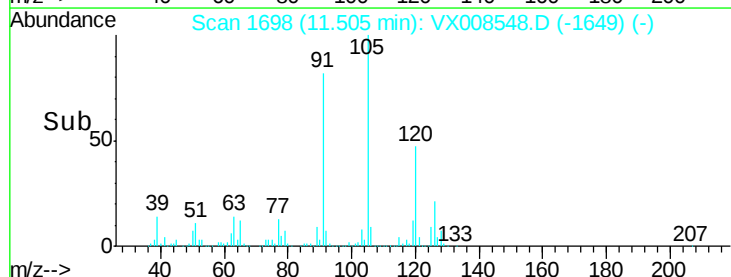
105 100

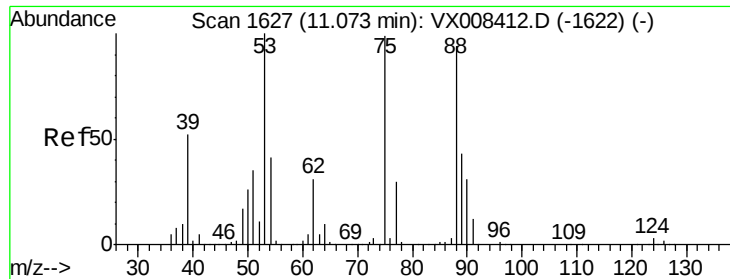
120 47.1 23.4 70.3



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

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





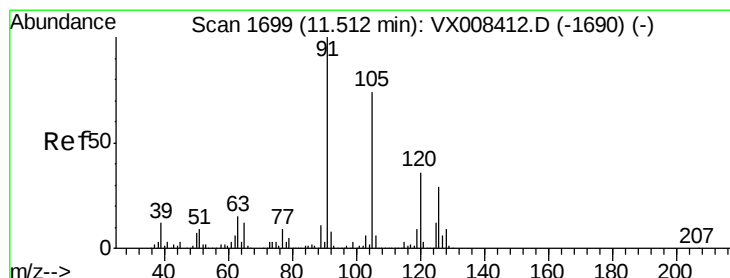
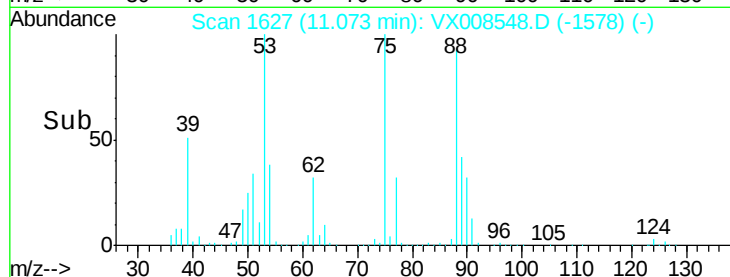
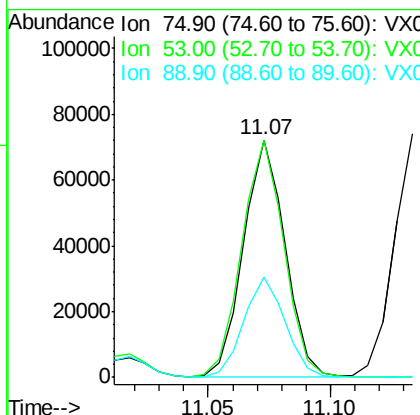
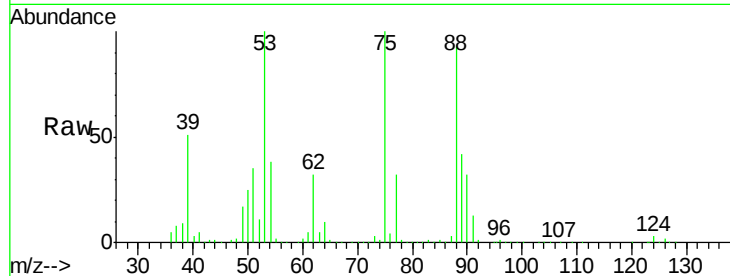
#81
trans-1,4-Dichloro-2-butene
Concen: 62.460 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	82.1	123.1
89	42.3	34.6	52.0

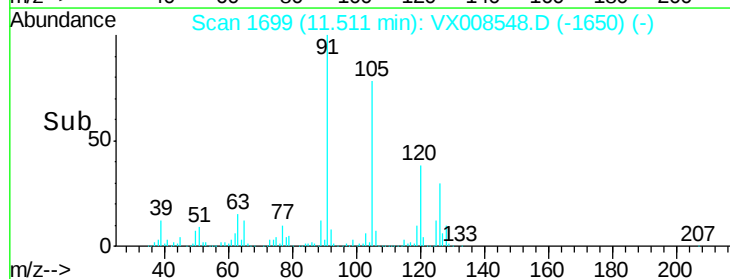
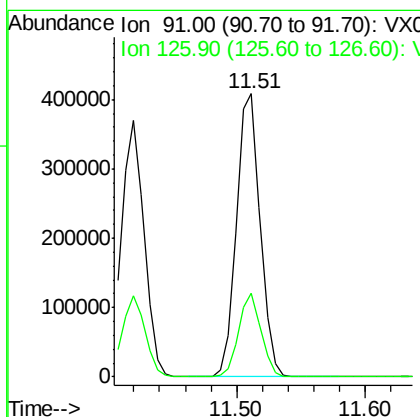
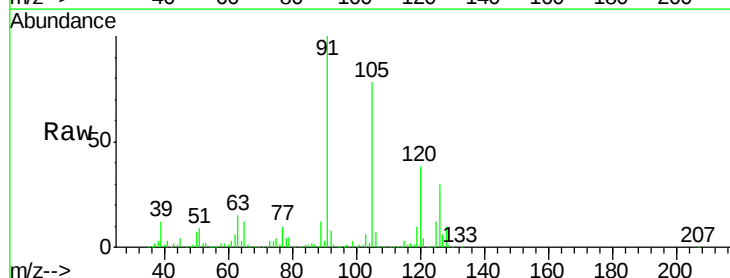
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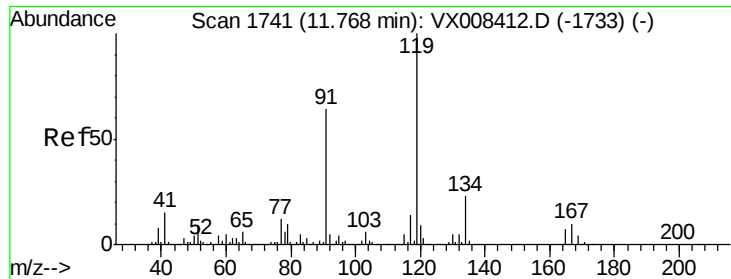
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.036 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	13.9	41.7





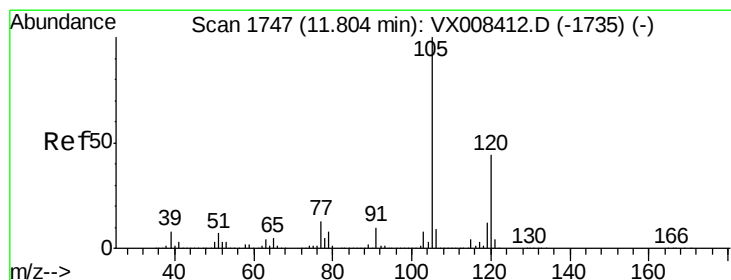
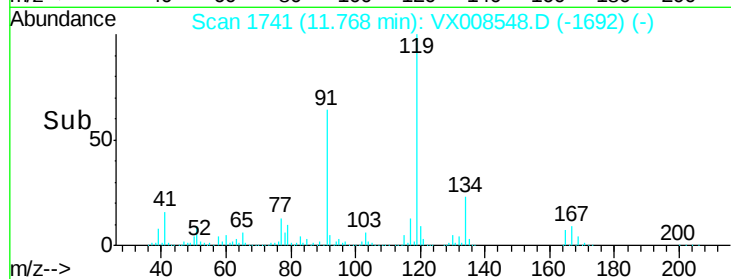
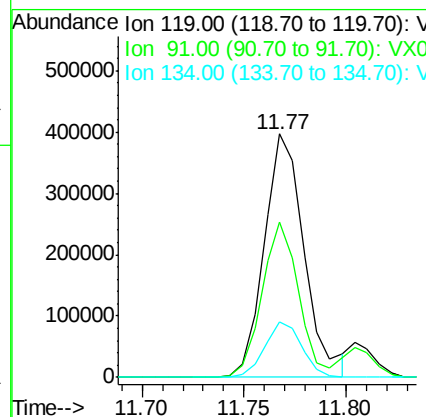
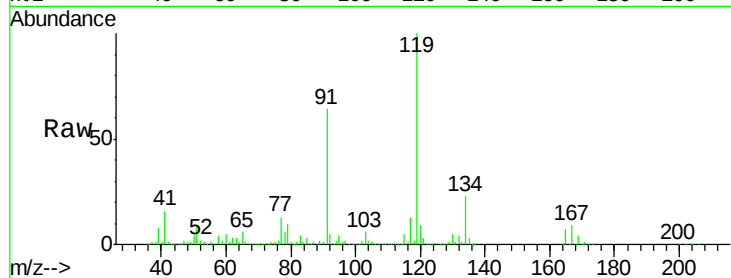
#83
 tert-Butylbenzene
 Concen: 55.340 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	30.1	90.3
134	21.5	10.9	32.9

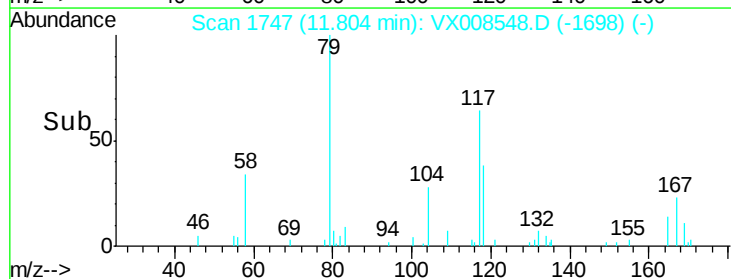
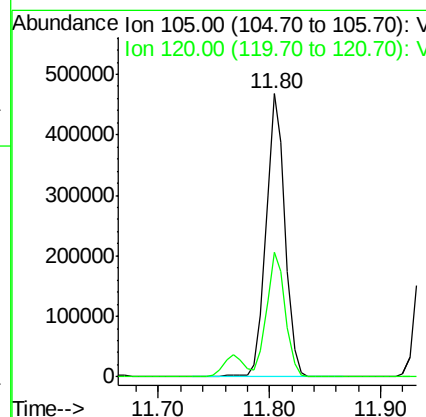
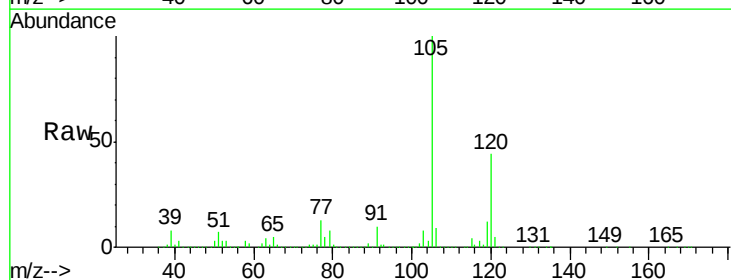
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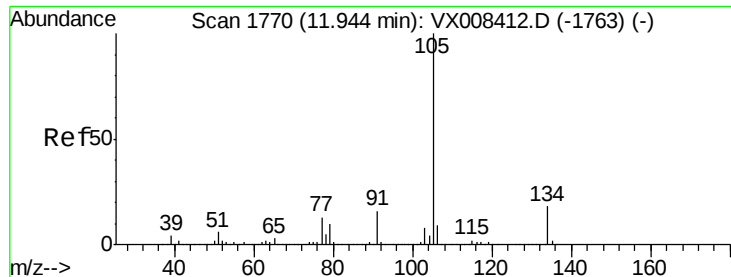
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.122 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.6	65.0





#85

sec-Butylbenzene

Concen: 54.222 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 631633

Ion Ratio Lower Upper

105 100

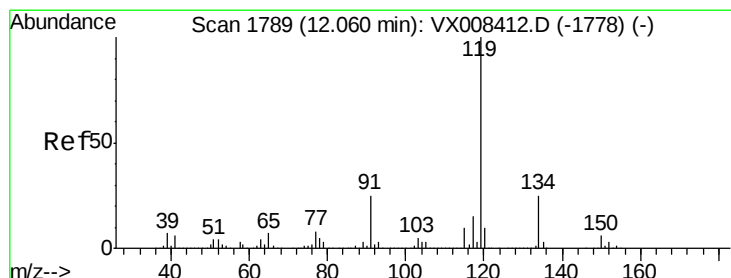
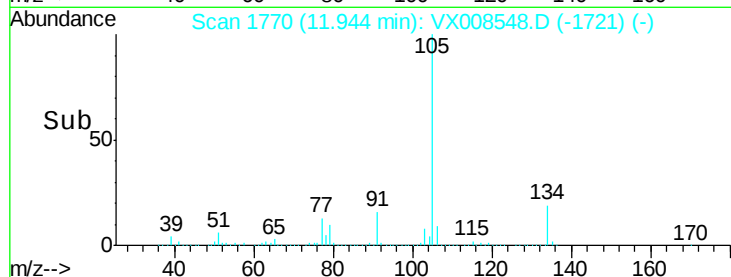
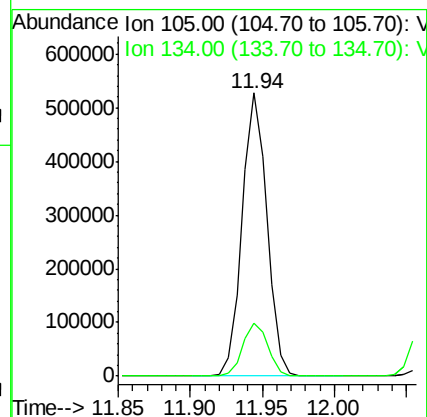
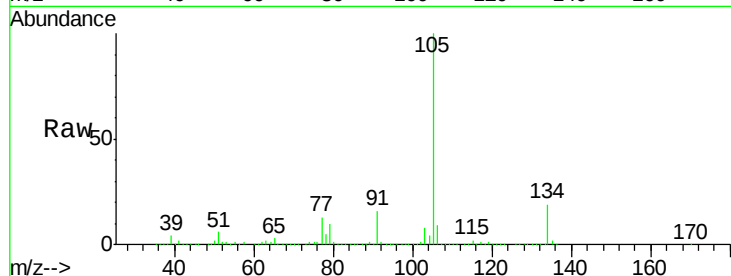
134 19.1 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 55.884 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

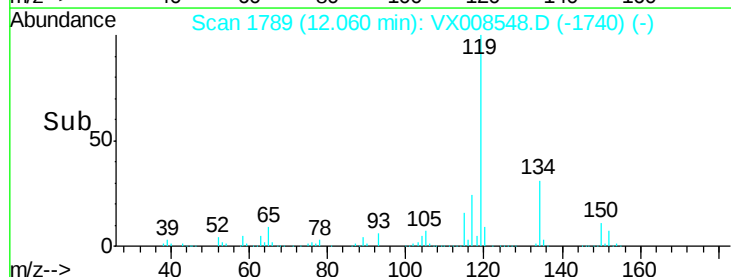
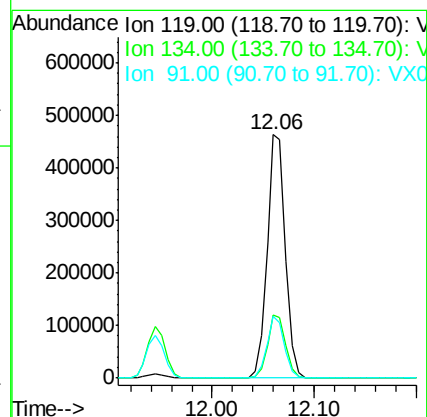
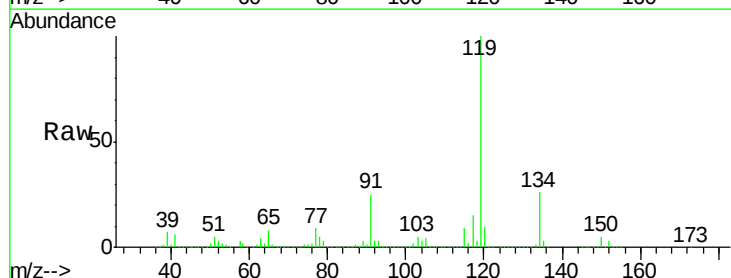
Tgt Ion:119 Resp: 574428

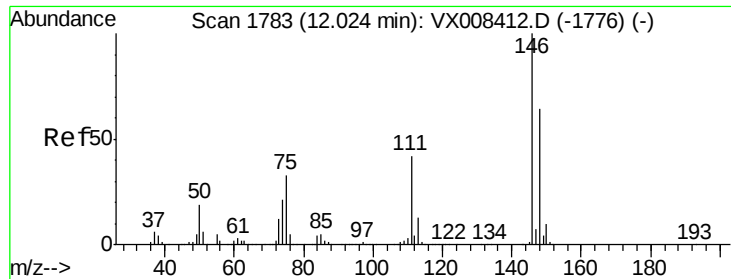
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.5 12.4 37.0





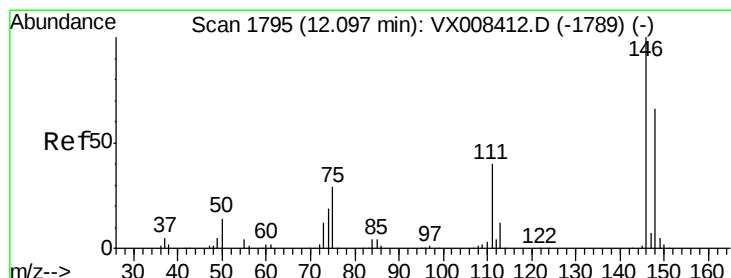
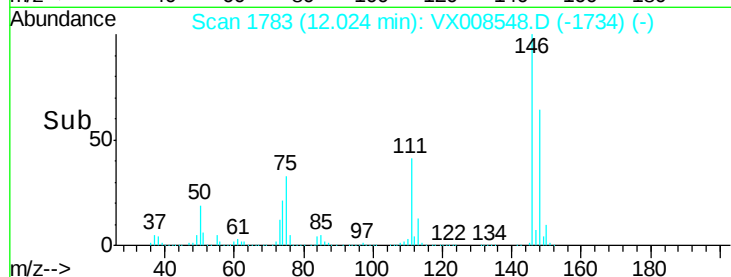
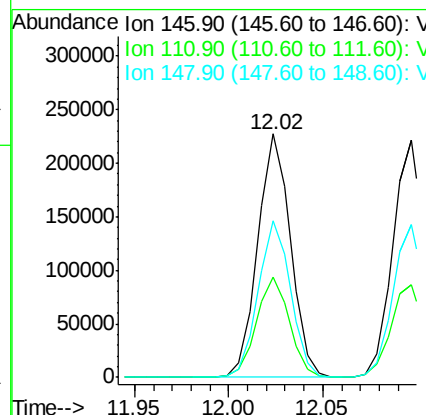
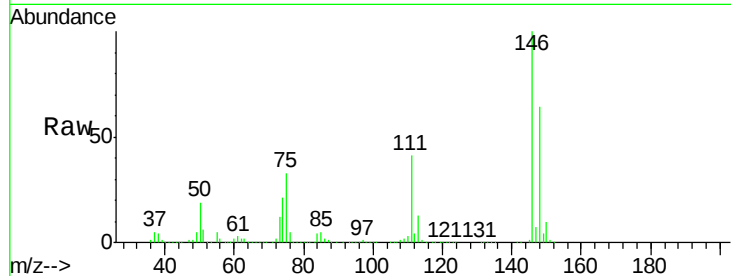
#87
 1,3-Dichlorobenzene
 Concen: 52.692 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.5
148	63.7	32.0	96.0

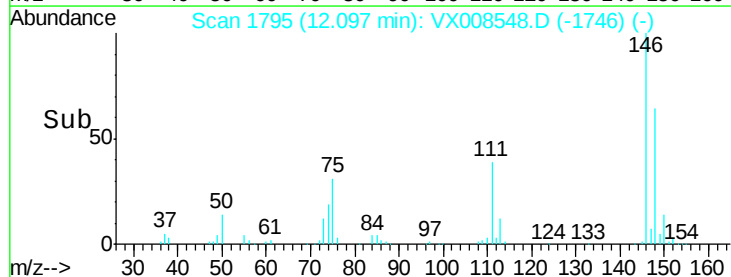
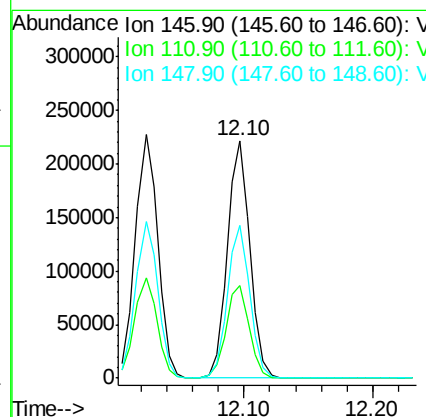
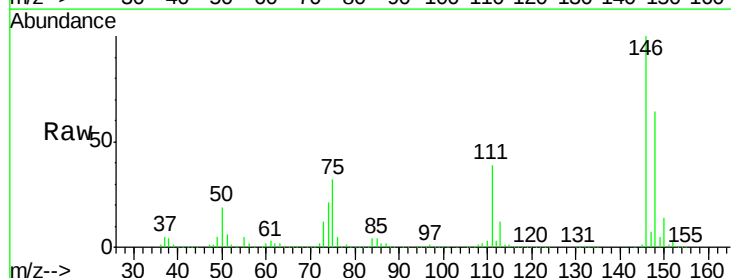
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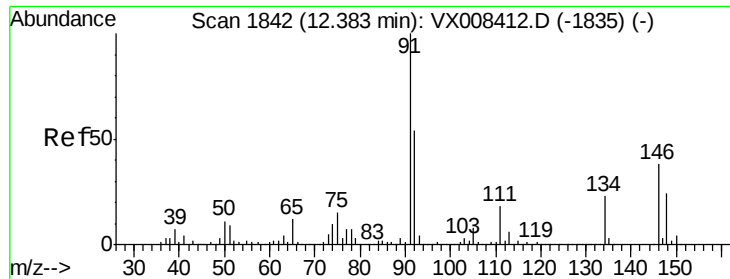
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#88
 1,4-Dichlorobenzene
 Concen: 51.904 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	61.0
148	64.3	32.1	96.5





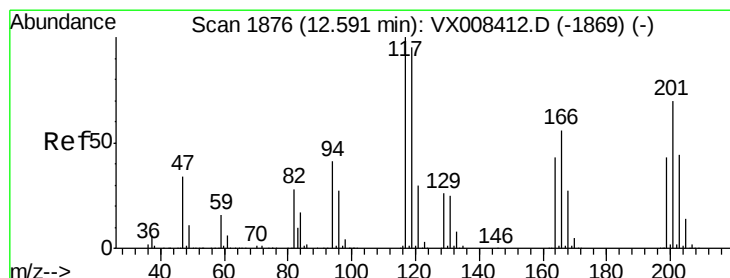
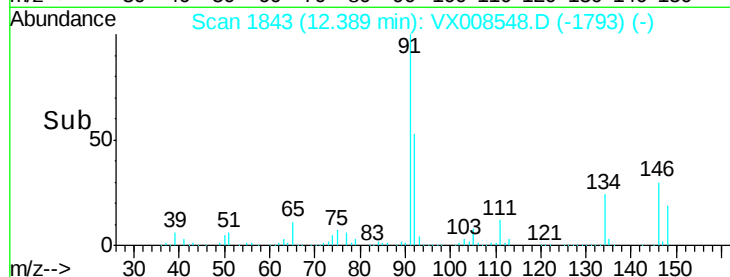
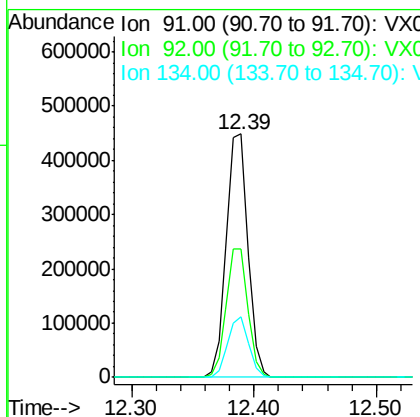
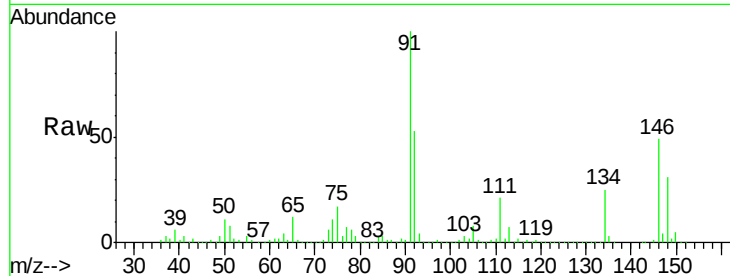
#89
n-Butylbenzene
Concen: 56.240 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.5
134	24.2	11.8	35.4

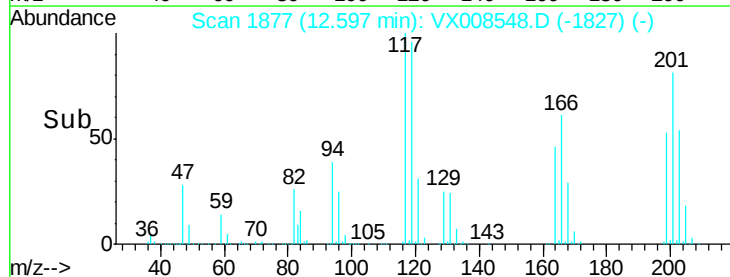
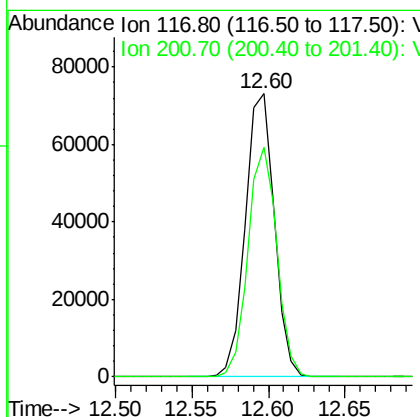
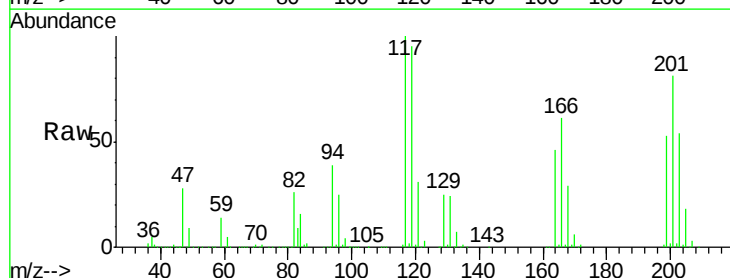
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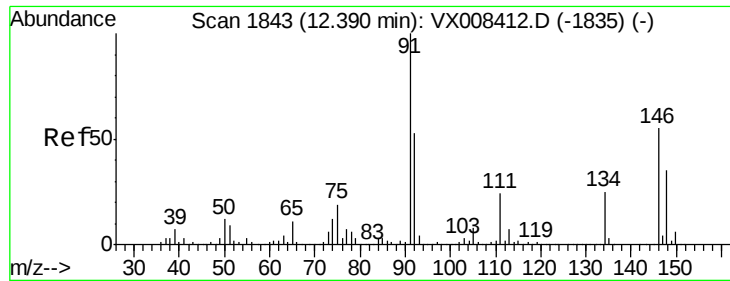
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#90
Hexachloroethane
Concen: 56.269 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008548.D
Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	39.4	118.1





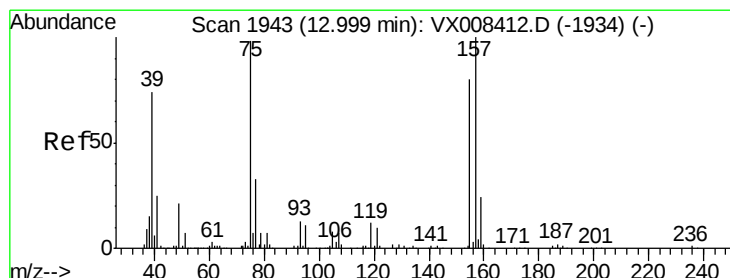
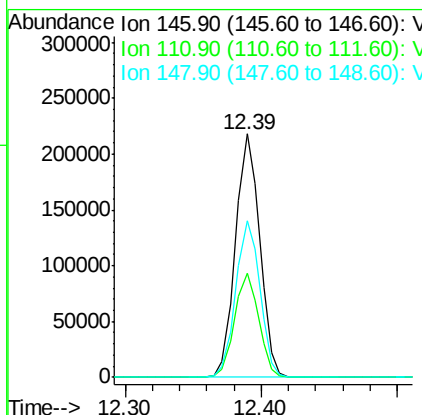
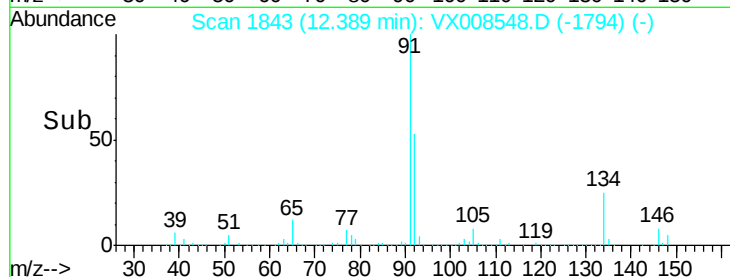
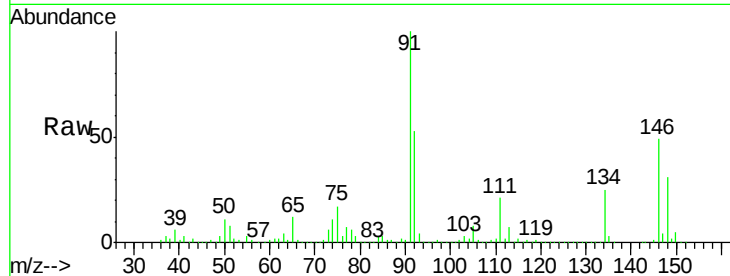
#91
 1,2-Dichlorobenzene
 Concen: 51.939 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	64.3	31.9	95.7

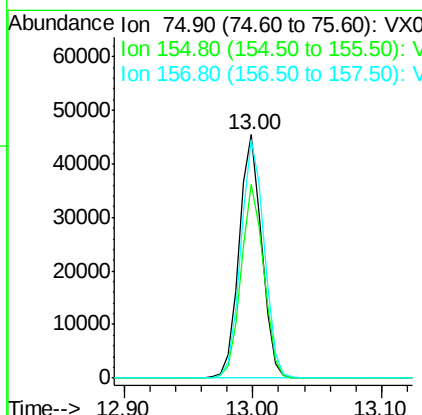
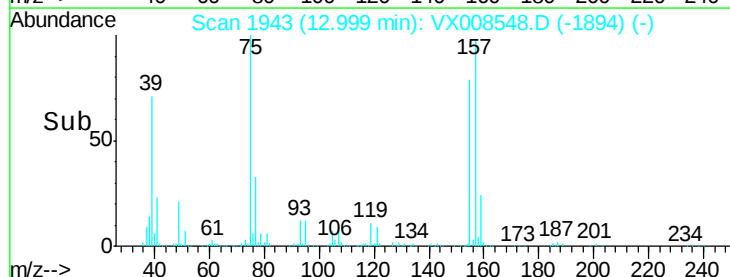
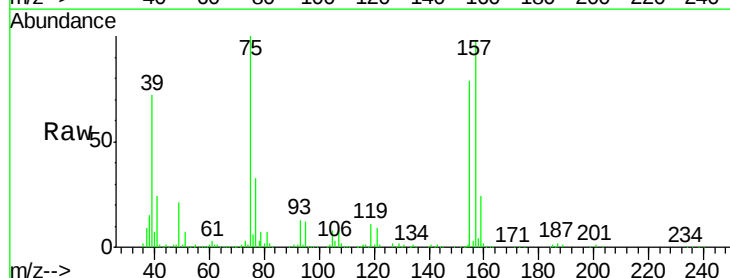
Manual Integrations
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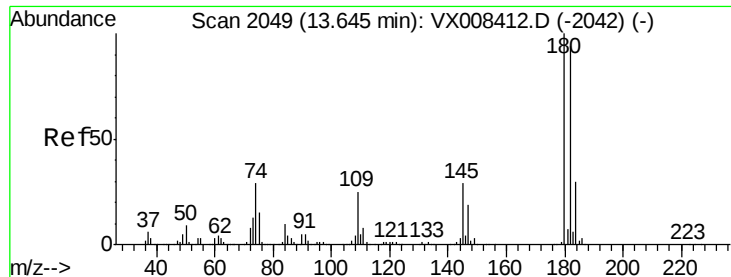
MMDadoda
 3/30/2019 9:50:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.438 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.5	118.5
157	100.4	49.9	149.7





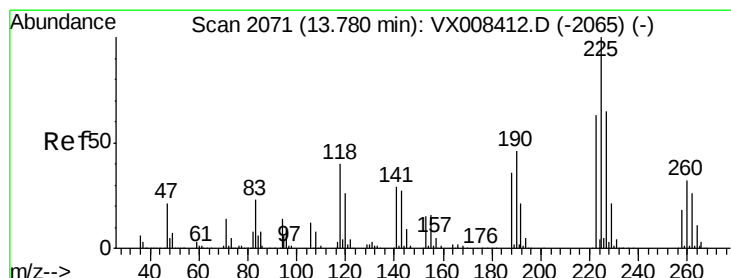
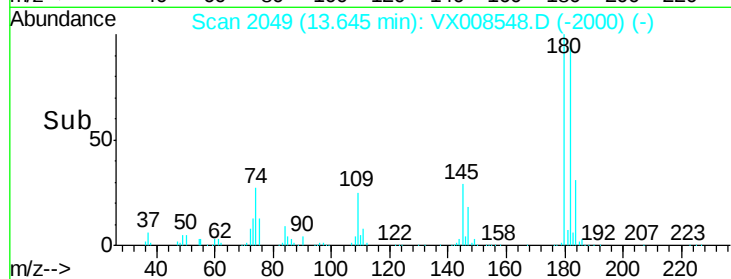
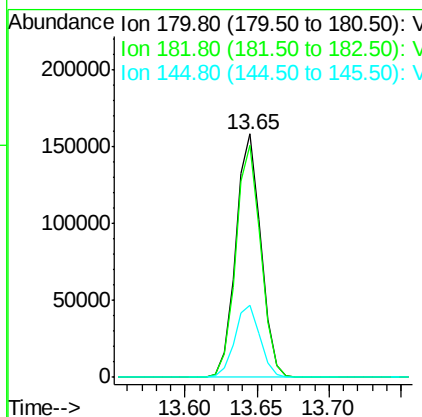
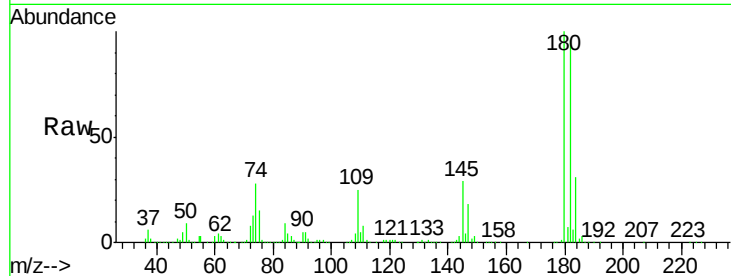
#93
 1,2,4-Trichlorobenzene
 Concen: 54.505 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	191105
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.3	142.0
145	30.0	15.3	45.8

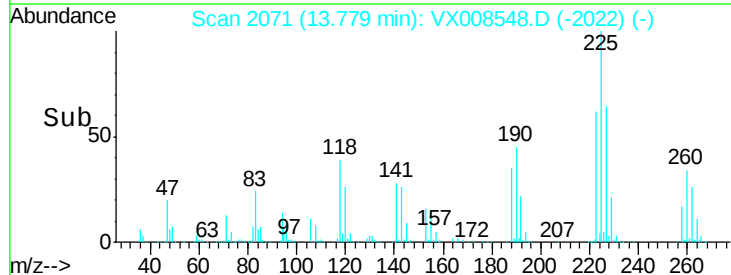
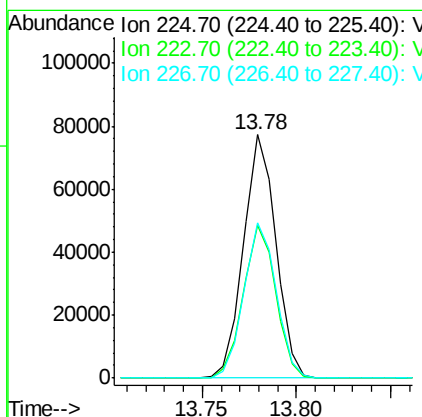
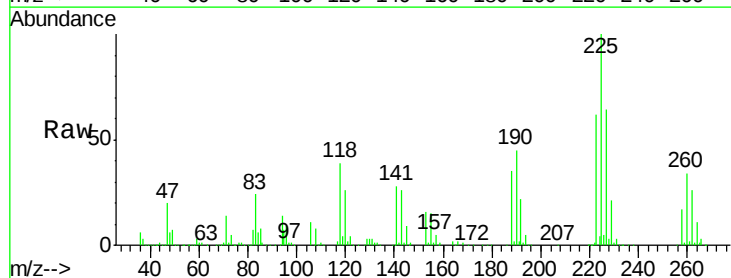
Manual Integrations
 APPROVED

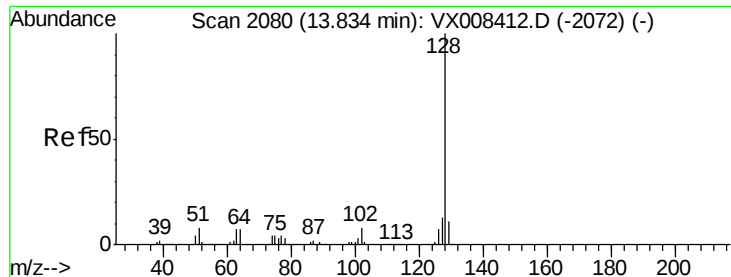
MMDadoda
 3/30/2019 9:50:55 AM



#94
 Hexachlorobutadiene
 Concen: 55.386 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008548.D
 Acq: 29 Mar 2019 16:59

Tgt Ion:	225	Resp:	92210
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.4	94.0
227	63.8	31.9	95.9





#95

Naphthalene

Concen: 54.714 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 657705

Ion Ratio Lower Upper

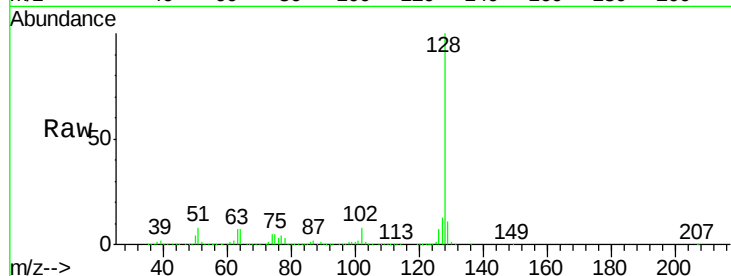
128 100

127 13.0 10.4 15.6

129 11.0 8.7 13.1

Manual Integrations
APPROVED

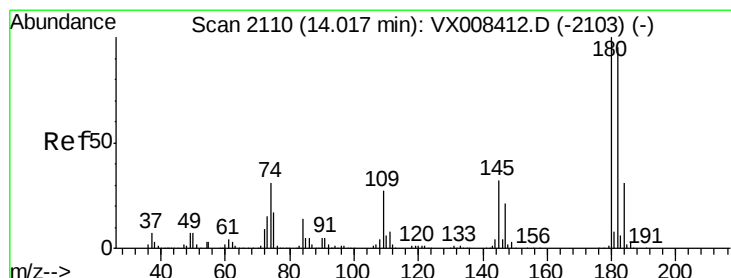
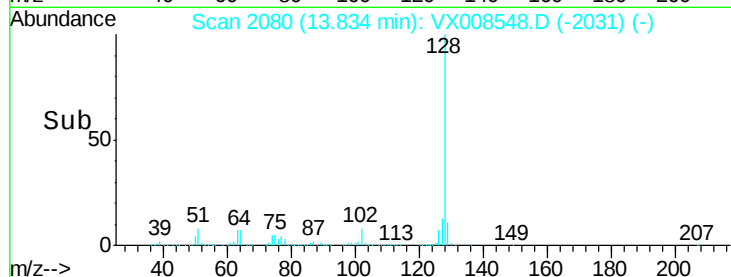
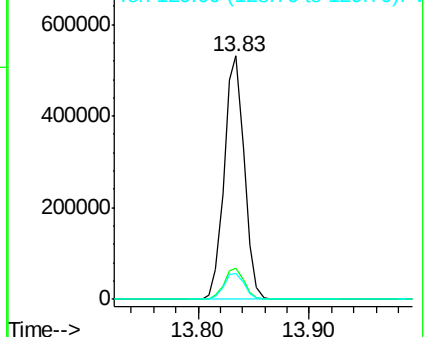
MMDadoda
3/30/2019 9:50:55 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.760 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008548.D

Acq: 29 Mar 2019 16:59

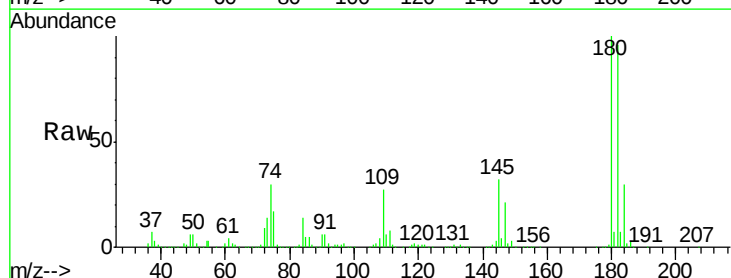
Tgt Ion:180 Resp: 189408

Ion Ratio Lower Upper

180 100

182 95.7 47.3 142.0

145 32.4 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

