

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009198.D
 Acq On : 29 Apr 2019 10:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:14 AM

Quant Time: Apr 30 07:27:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	214176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	340013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154666	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	127593	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	
35) Dibromofluoromethane	5.49	113	96228	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
50) Toluene-d8	8.71	98	383108	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
62) 4-Bromofluorobenzene	11.13	95	143886	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	127604	64.653	ug/l	100
3) Chloromethane	1.32	50	149817	55.600	ug/l	99
4) Vinyl Chloride	1.41	62	145934	55.540	ug/l	99
5) Bromomethane	1.64	94	83236	52.779	ug/l	99
6) Chloroethane	1.71	64	88740	52.603	ug/l	99
7) Trichlorofluoromethane	1.93	101	175825	55.050	ug/l	99
8) Diethyl Ether	2.19	74	78870	52.132	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111701	55.692	ug/l	99
10) Methyl Iodide	2.51	142	109814	47.387	ug/l	100
11) Tert butyl alcohol	3.04	59	170325	251.670	ug/l	100
12) 1,1-Dichloroethene	2.37	96	108228	53.856	ug/l	94
13) Acrolein	2.29	56	140368	229.018	ug/l	100
14) Allyl chloride	2.73	41	260312	53.153	ug/l	100
15) Acrylonitrile	3.14	53	421257	254.571	ug/l	99
16) Acetone	2.44	43	415973	264.961	ug/l	99
17) Carbon Disulfide	2.57	76	314684	55.775	ug/l	99
18) Methyl Acetate	2.77	43	195390	52.332	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	421136	53.966	ug/l	100
20) Methylene Chloride	2.85	84	131637	51.786	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	117088	53.725	ug/l	99
22) Diisopropyl ether	3.85	45	504203	53.535	ug/l	95
23) Vinyl Acetate	3.81	43	2233438	276.932	ug/l	100
24) 1,1-Dichloroethane	3.70	63	246748	53.108	ug/l	99
25) 2-Butanone	4.67	43	644121	264.023	ug/l	99
26) 2,2-Dichloropropane	4.58	77	193325	55.902	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	138246	53.144	ug/l	99
28) Bromochloromethane	5.01	49	92668	49.521	ug/l	99
29) Tetrahydrofuran	5.12	42	403847	257.244	ug/l	100
30) Chloroform	5.21	83	223526	53.194	ug/l	100
31) Cyclohexane	5.57	56	242210	56.033	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	188717	53.949	ug/l	99
36) 1,1-Dichloropropene	5.79	75	175571	55.564	ug/l	99
37) Ethyl Acetate	4.83	43	233754	53.095	ug/l	99
38) Carbon Tetrachloride	5.78	117	158988	55.380	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	226277	58.311	ug/l	99
40) Benzene	6.14	78	532031	54.405	ug/l	98
41) Methacrylonitrile	5.04	41	133670	51.006	ug/l	99
42) 1,2-Dichloroethane	6.19	62	187455	53.438	ug/l	100
43) Isopropyl Acetate	6.44	43	379113	53.836	ug/l	99
44) Trichloroethene	7.21	130	129125	54.619	ug/l	98
45) 1,2-Dichloropropane	7.51	63	151236	54.617	ug/l	98
46) Dibromomethane	7.66	93	85765	53.337	ug/l	99
47) Bromodichloromethane	7.90	83	178097	55.525	ug/l	100
48) Methyl methacrylate	7.77	41	190919	54.646	ug/l	100
49) 1,4-Dioxane	7.74	88	69621	982.618	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1218271	264.678	ug/l	100
52) Toluene	8.78	92	325599	54.774	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	209620	57.885	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	228335	56.966	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	129093	53.231	ug/l	97
56) Ethyl methacrylate	9.18	69	239486	55.321	ug/l	100
57) 1,3-Dichloropropane	9.37	76	229236	53.715	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	596548	259.761	ug/l	99
59) 2-Hexanone	9.49	43	960690	265.750	ug/l	100
60) Dibromochloromethane	9.58	129	133976	56.563	ug/l	99
61) 1,2-Dibromoethane	9.67	107	133800	54.656	ug/l	100
64) Tetrachloroethene	9.34	164	116342	55.243	ug/l	99
65) Chlorobenzene	10.13	112	336784	54.835	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	123166	55.314	ug/l	100
67) Ethyl Benzene	10.25	91	629300	55.674	ug/l	100
68) m/p-Xylenes	10.36	106	462707	112.021	ug/l	98
69) o-Xylene	10.69	106	225352	55.296	ug/l	100
70) Styrene	10.71	104	397017	56.049	ug/l	99
71) Bromoform	10.85	173	102023	56.382	ug/l #	99
73) Isopropylbenzene	11.02	105	605896	53.871	ug/l	99
74) N-amyl acetate	10.90	43	350165	53.402	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	214869	51.248	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	186482m	51.978	ug/l	
77) Bromobenzene	11.26	156	146256	52.392	ug/l	99
78) n-propylbenzene	11.36	91	714340	55.613	ug/l	99
79) 2-Chlorotoluene	11.42	91	419541	52.942	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	519725	54.880	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	77779	55.470	ug/l	97
82) 4-Chlorotoluene	11.51	91	486243	54.314	ug/l	99
83) tert-Butylbenzene	11.77	119	494779	53.708	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	522269	54.943	ug/l	99
85) sec-Butylbenzene	11.94	105	598298	54.779	ug/l	99
86) p-Isopropyltoluene	12.06	119	550686	56.084	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	269156	54.085	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	269582	53.731	ug/l	99
89) n-Butylbenzene	12.38	91	516430	58.191	ug/l	100
90) Hexachloroethane	12.60	117	93491	55.888	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	269724	53.213	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51585	54.845	ug/l	98

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ClientSampleId :
VSTDCCC050

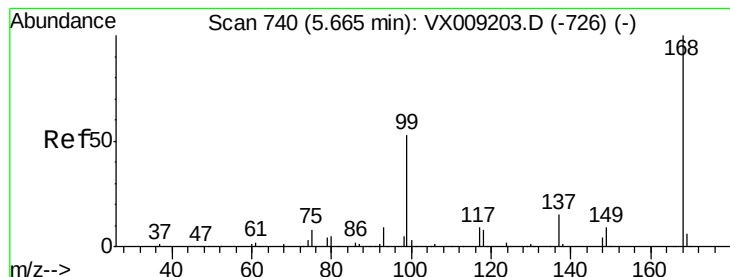
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	202088	58.302	ug/l	100
94) Hexachlorobutadiene	13.78	225	101536	57.363	ug/l	100
95) Naphthalene	13.83	128	637595	56.539	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	202298	57.576	ug/l	100

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



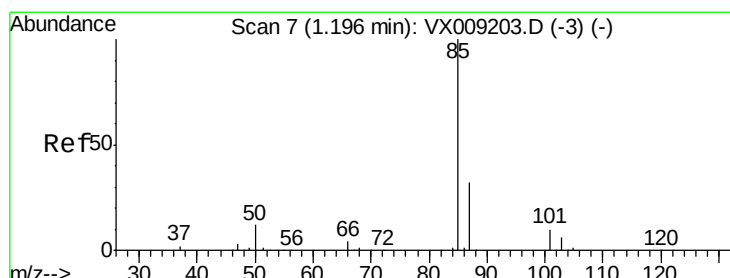
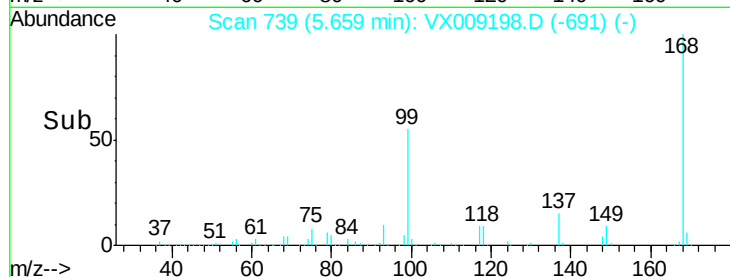
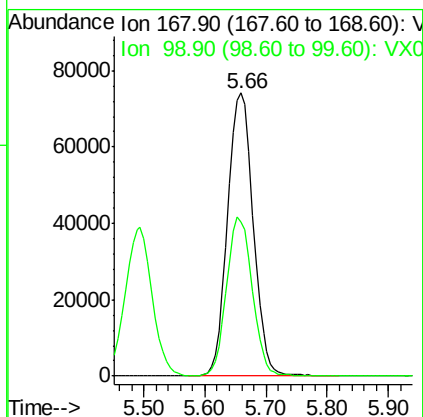
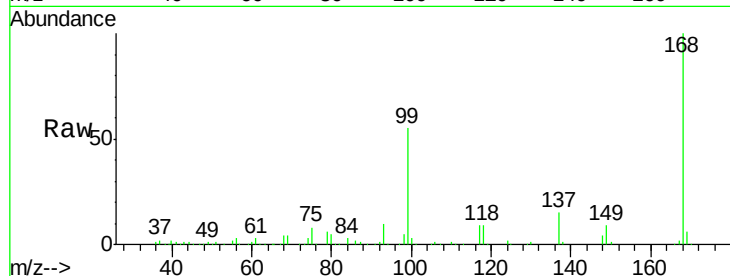
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.5	42.3	63.5

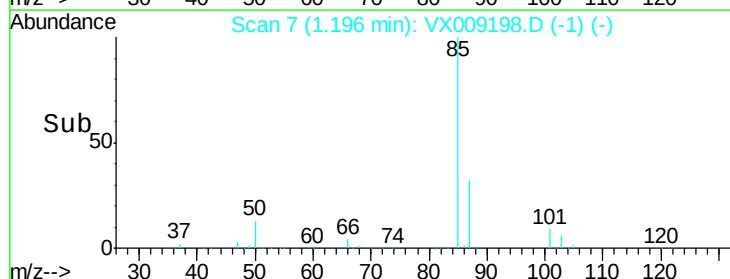
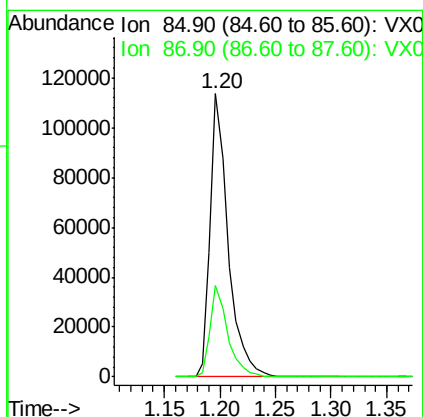
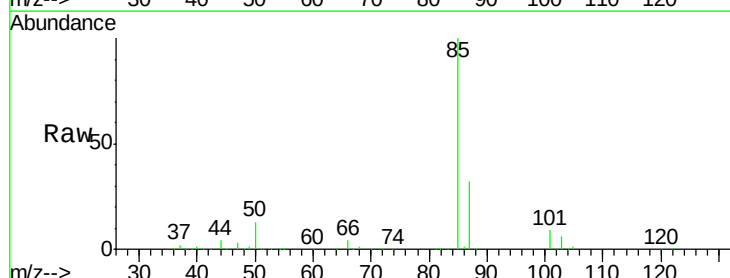
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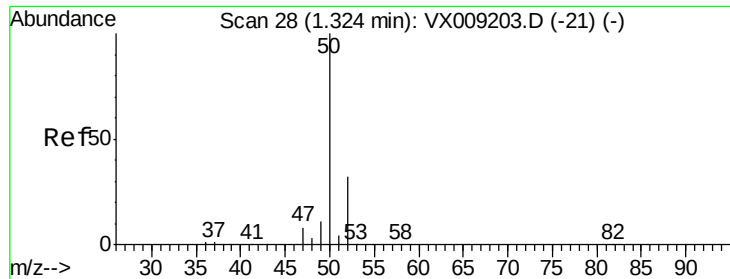
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#2
Dichlorodifluoromethane
Concen: 64.653 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.1	48.3





#3

Chloromethane

Concen: 55.600 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 149817

Ion Ratio Lower Upper

50 100

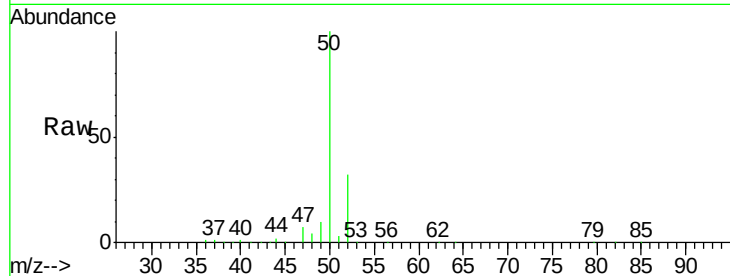
52 31.7 25.9 38.9

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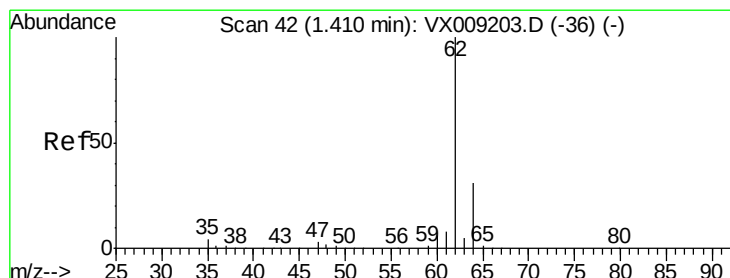
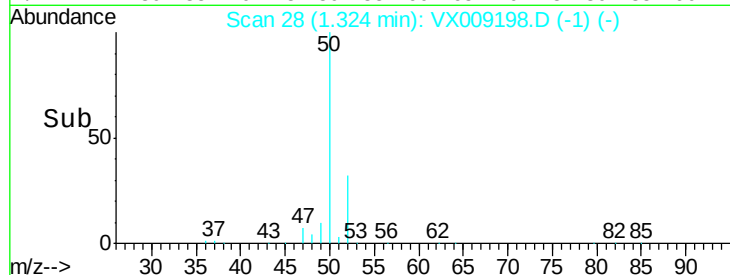
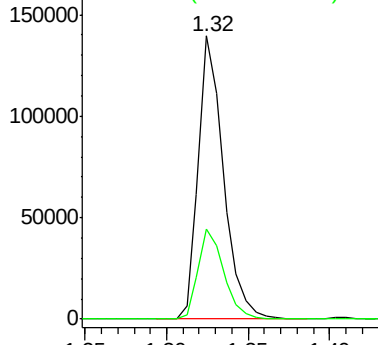
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 55.540 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009198.D

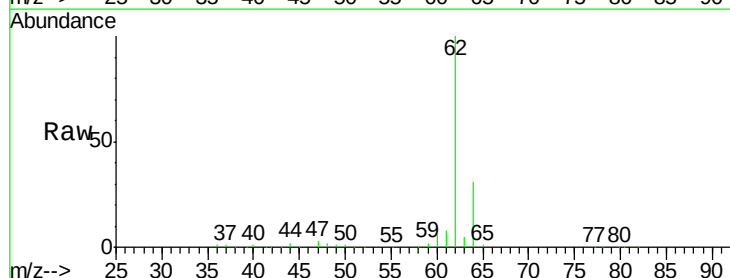
Acq: 29 Apr 2019 10:26

Tgt Ion: 62 Resp: 145934

Ion Ratio Lower Upper

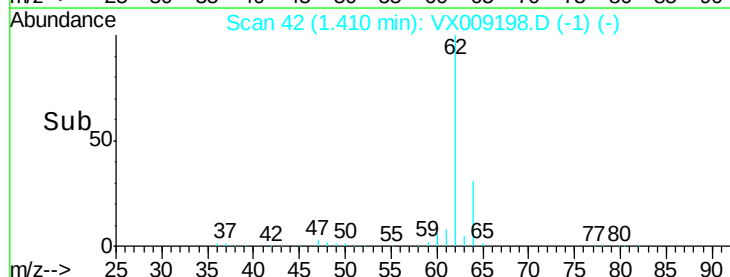
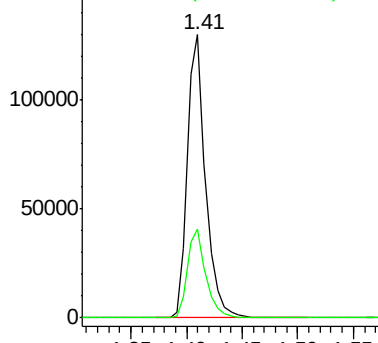
62 100

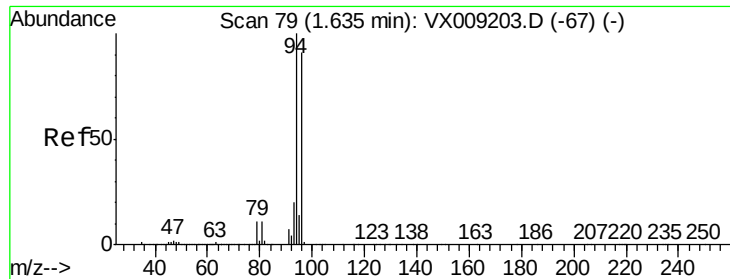
64 31.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.779 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 83236

Ion Ratio Lower Upper

94 100

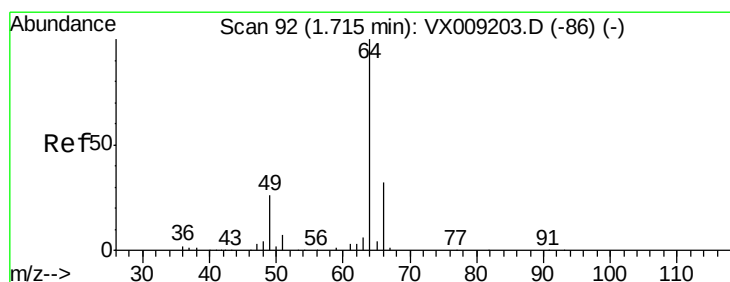
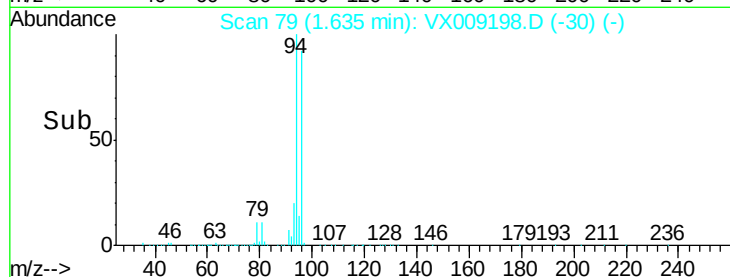
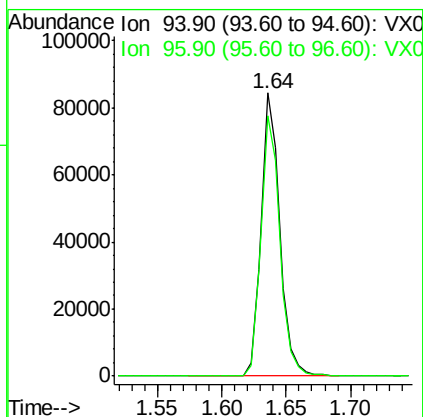
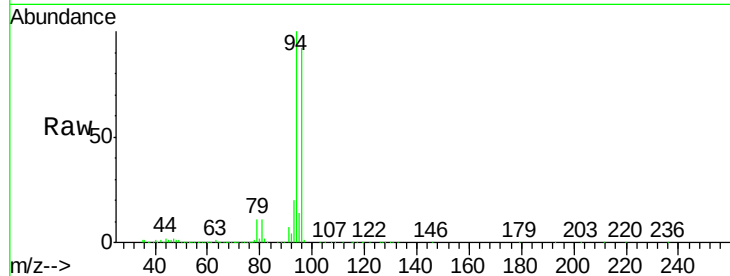
96 91.9 73.0 109.6

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#6

Chloroethane

Concen: 52.603 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009198.D

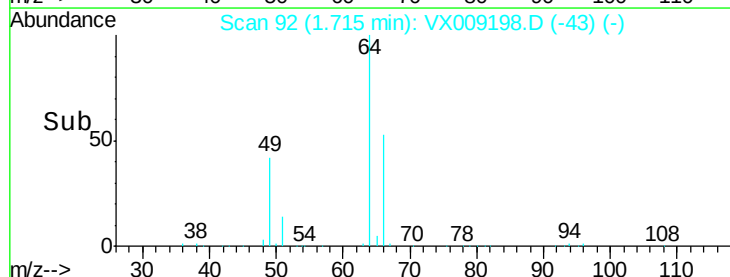
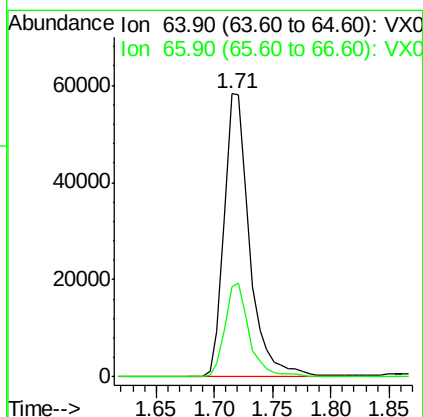
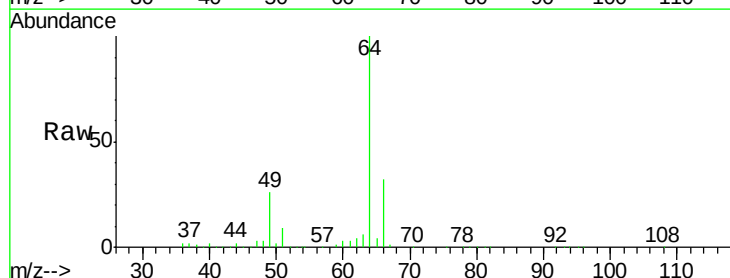
Acq: 29 Apr 2019 10:26

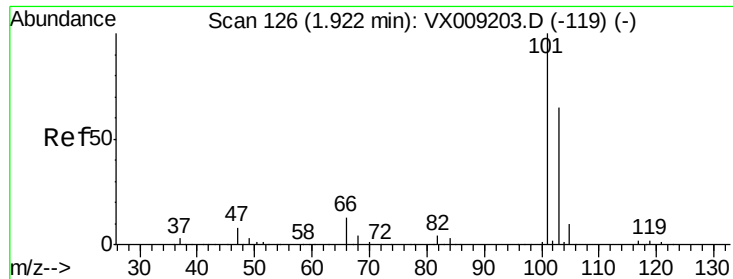
Tgt Ion: 64 Resp: 88740

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

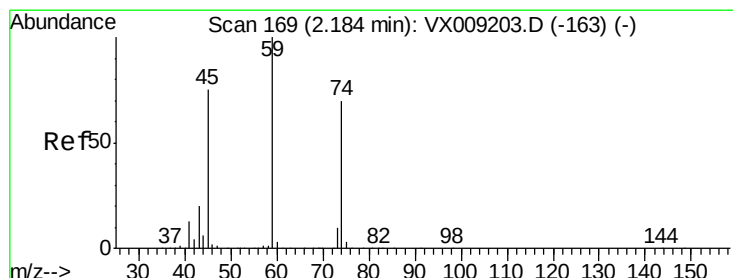
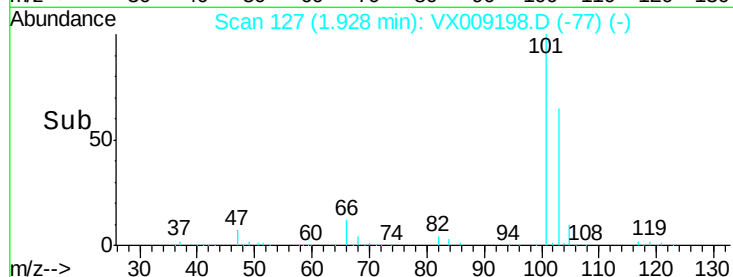
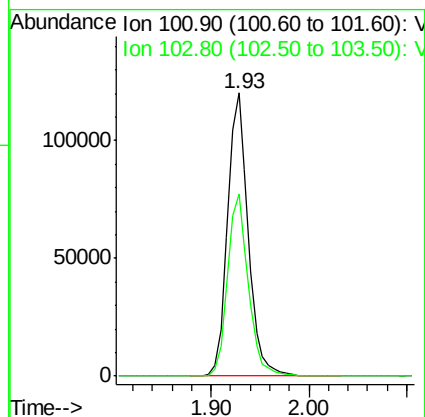
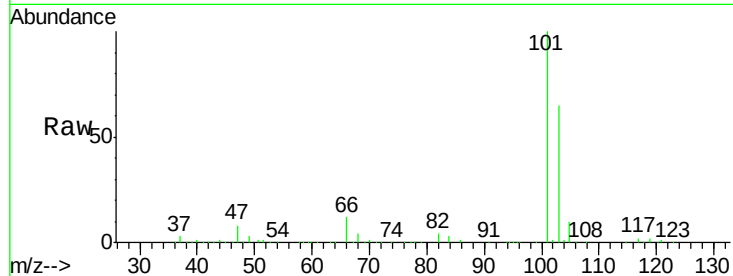
Trichlorofluoromethane
Concen: 55.050 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:101 Resp: 175825
Ion Ratio Lower Upper
101 100
103 64.5 52.4 78.6

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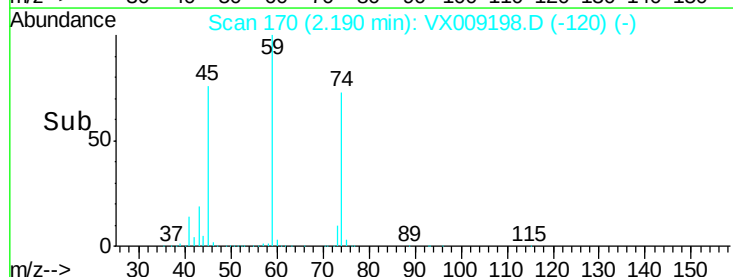
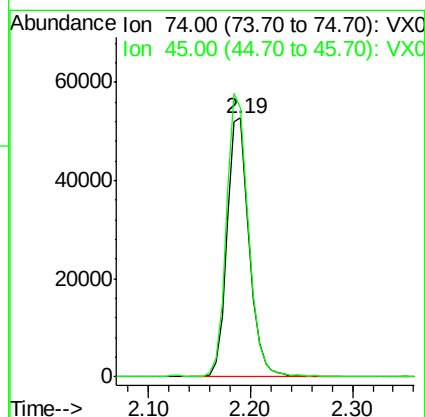
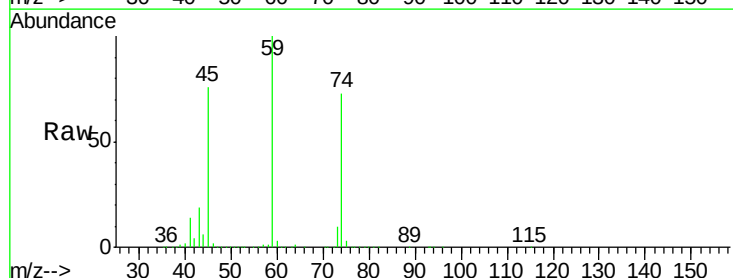
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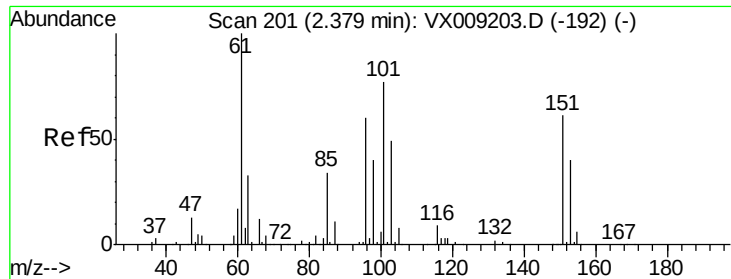


#8

Diethyl Ether
Concen: 52.132 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 74 Resp: 78870
Ion Ratio Lower Upper
74 100
45 108.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.692 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

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MSVOA_X

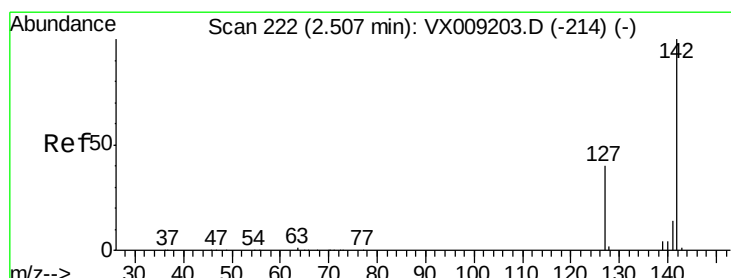
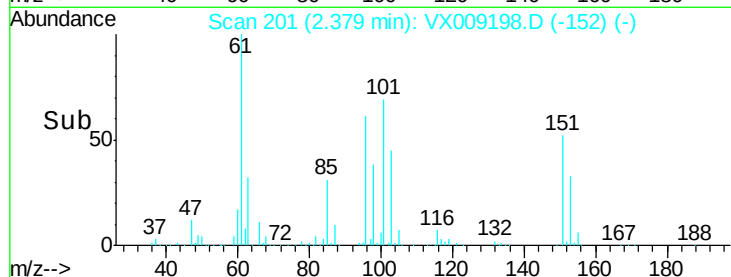
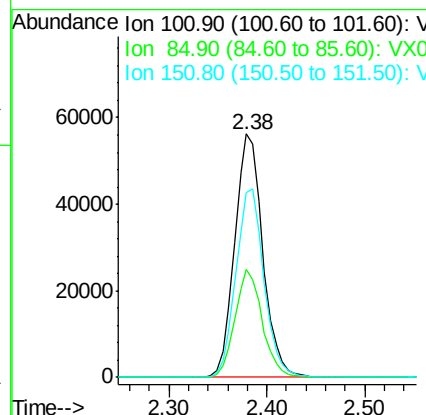
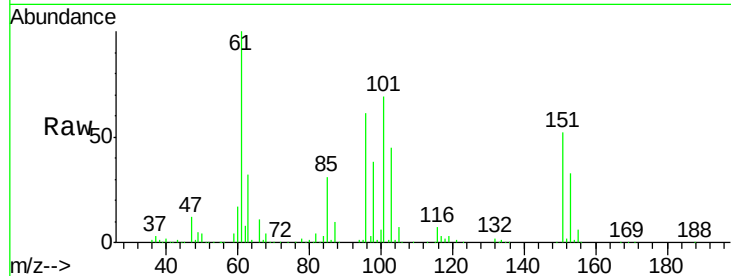
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	111701
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.7	53.5
151	77.9	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 47.387 ug/l

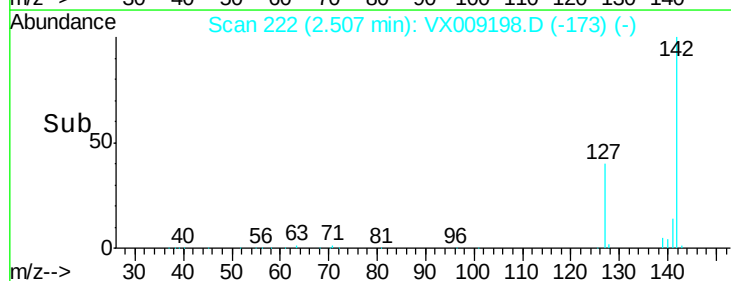
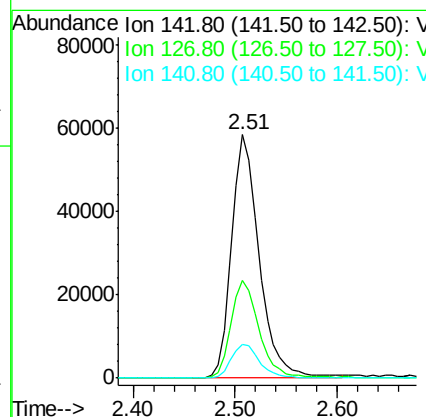
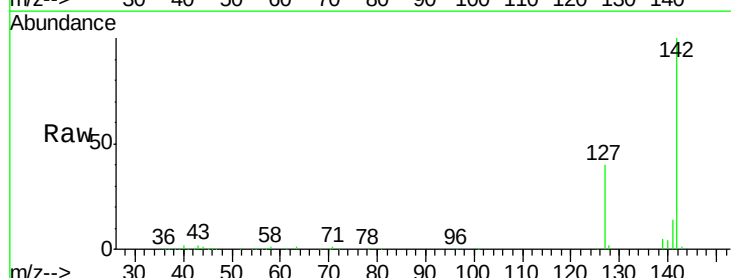
RT: 2.51 min Scan# 222

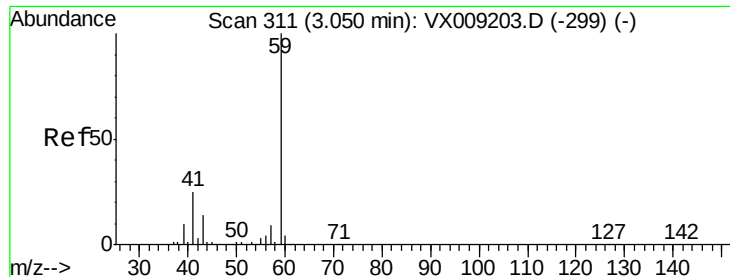
Delta R.T. 0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion:	142	Resp:	109814
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.7	49.1
141	14.6	11.5	17.3





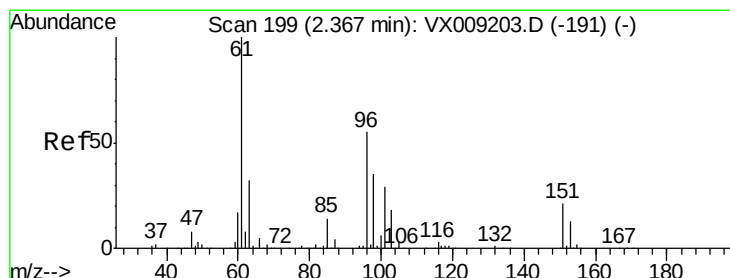
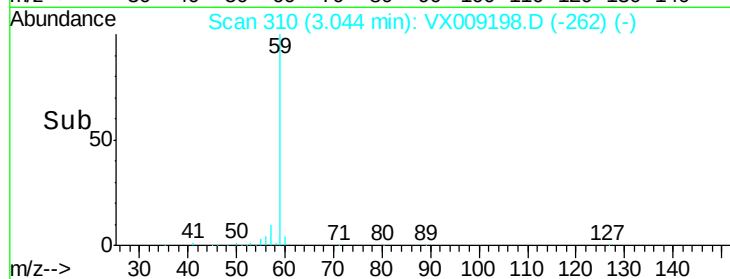
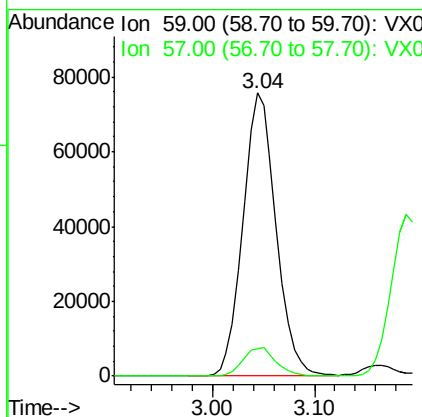
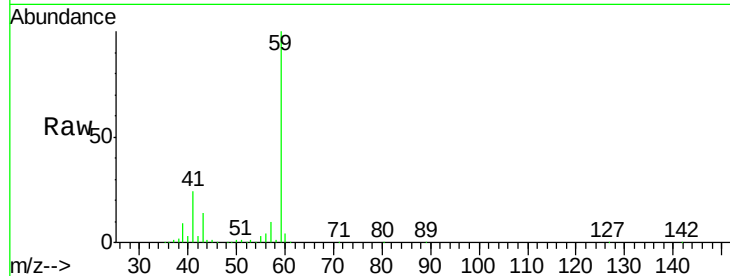
#11
Tert butyl alcohol
Concen: 251.670 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

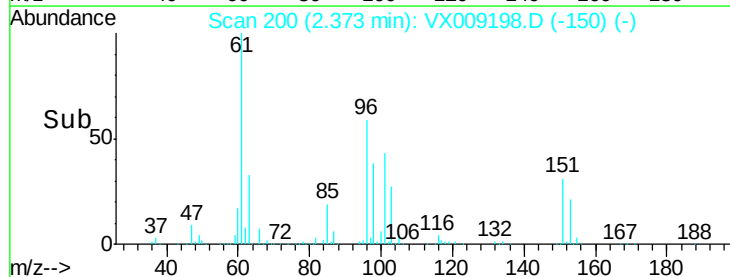
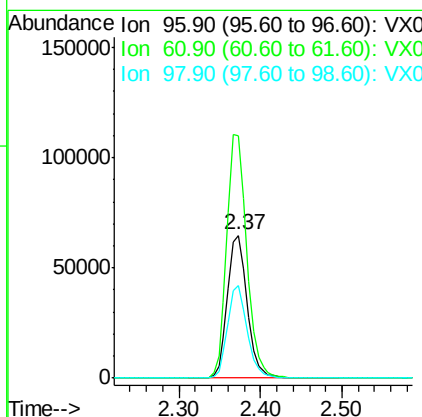
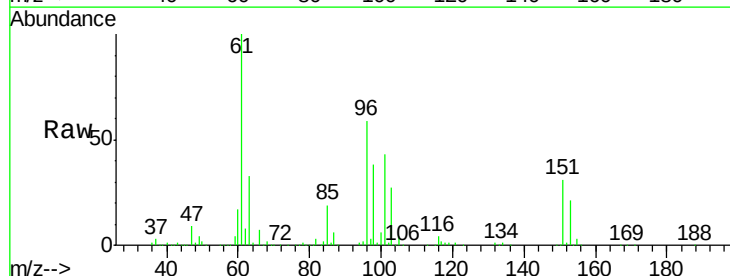
Manual Integrations
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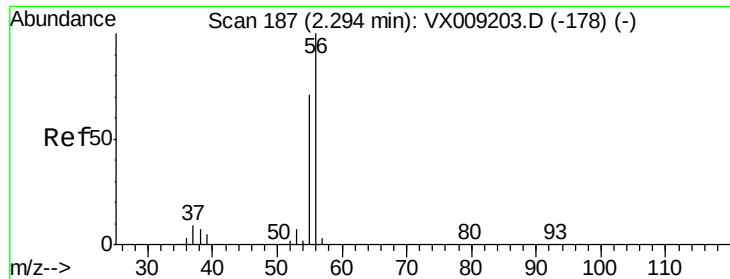
MMDadoda
4/30/2019 11:03:14 AM



#12
1,1-Dichloroethene
Concen: 53.856 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.1	144.3	216.5
98	64.3	50.3	75.5





#13

Acrolein

Concen: 229.018 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 140368

Ion Ratio Lower Upper

56 100

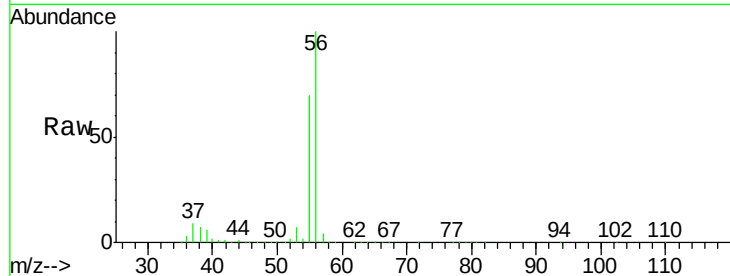
55 71.0 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

100000

80000

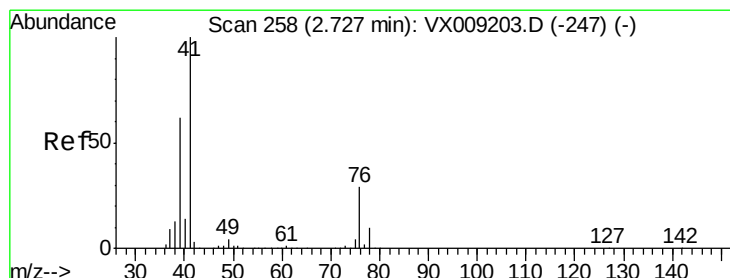
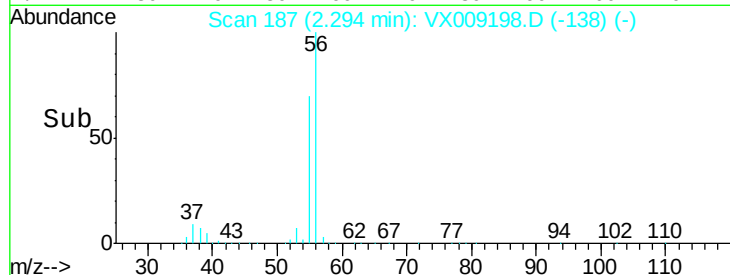
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 53.153 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

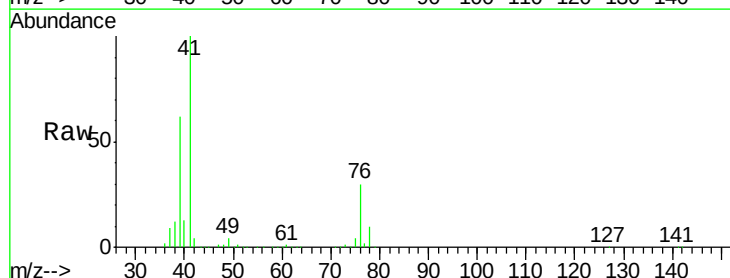
Tgt Ion: 41 Resp: 260312

Ion Ratio Lower Upper

41 100

39 58.1 46.7 70.1

76 27.3 21.8 32.8



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

200000

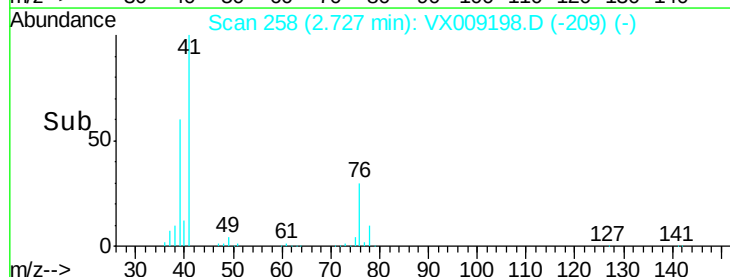
150000

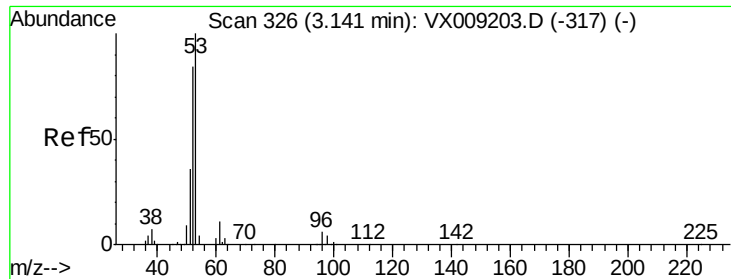
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 254.571 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

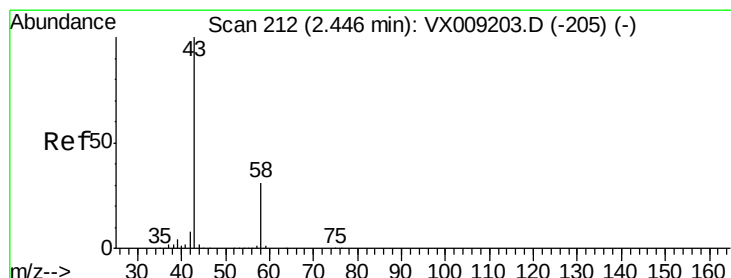
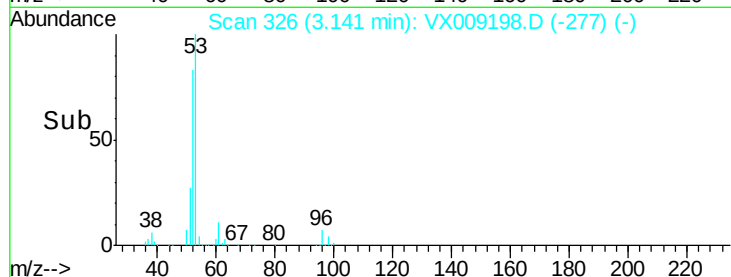
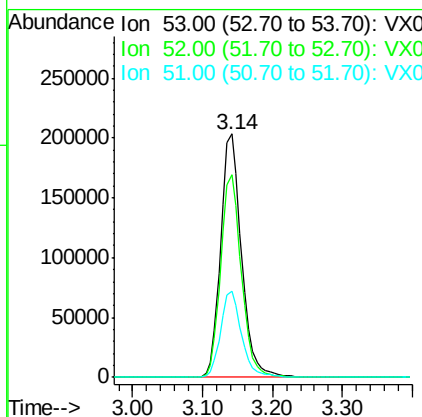
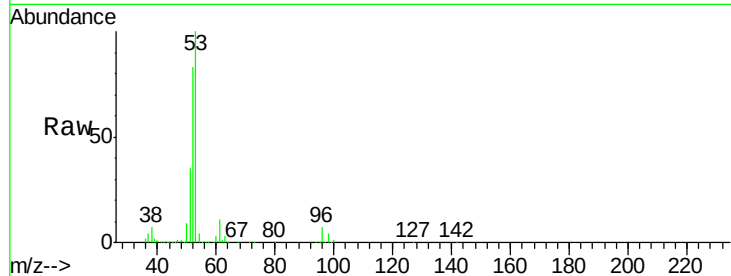
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	421257
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.9	100.3
51	35.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 264.961 ug/l

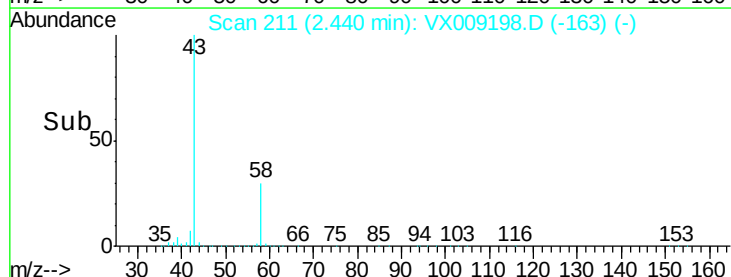
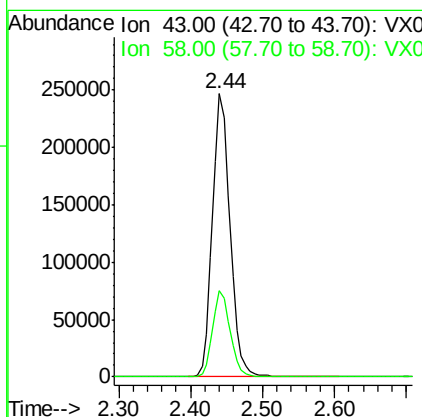
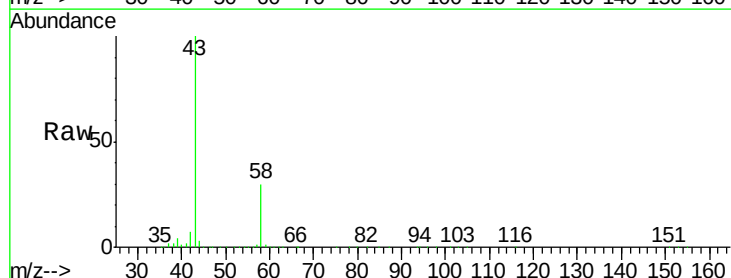
RT: 2.44 min Scan# 211

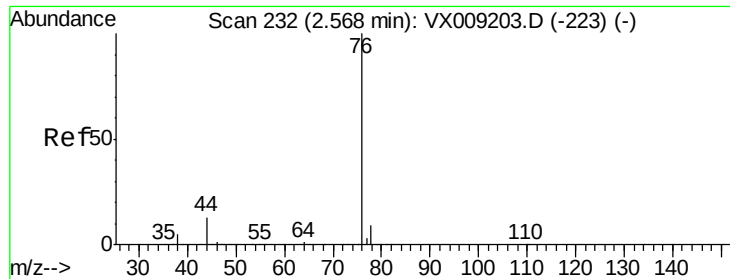
Delta R.T. -0.01 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion:	43	Resp:	415973
Ion Ratio		Lower	Upper
43	100		
58	30.4	24.9	37.3





#17

Carbon Disulfide

Concen: 55.775 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 314684

Ion Ratio Lower Upper

76 100

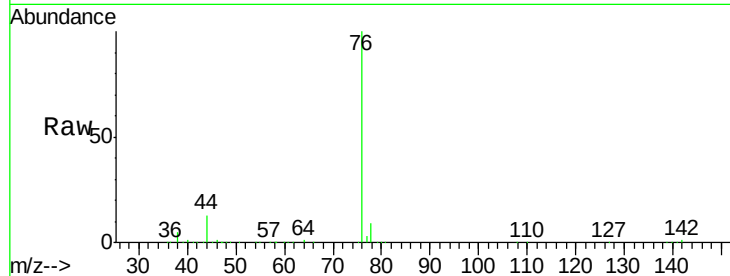
78 9.4 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

150000

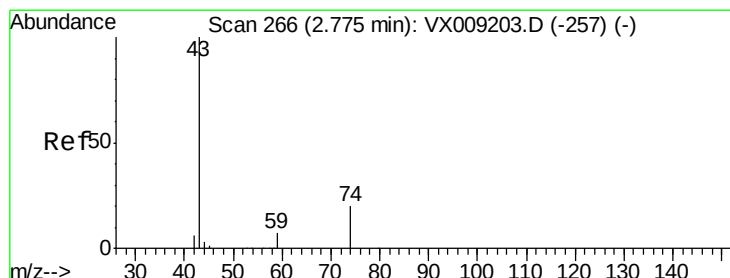
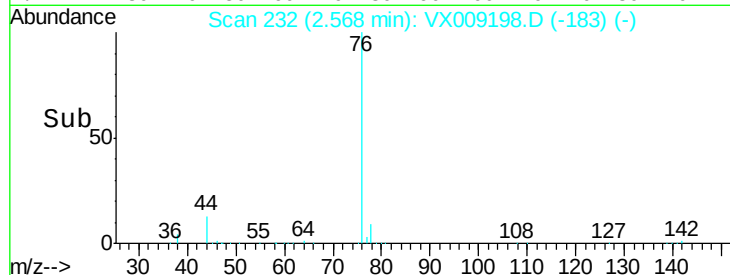
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 52.332 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009198.D

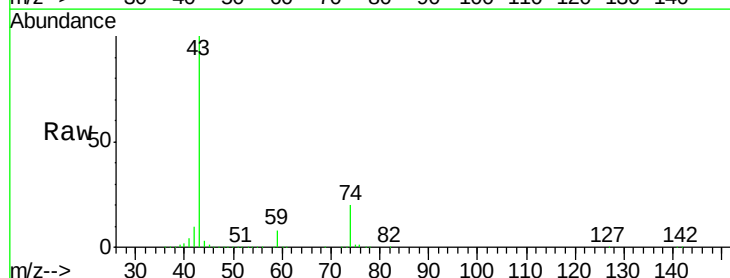
Acq: 29 Apr 2019 10:26

Tgt Ion: 43 Resp: 195390

Ion Ratio Lower Upper

43 100

74 20.7 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

120000

100000

80000

60000

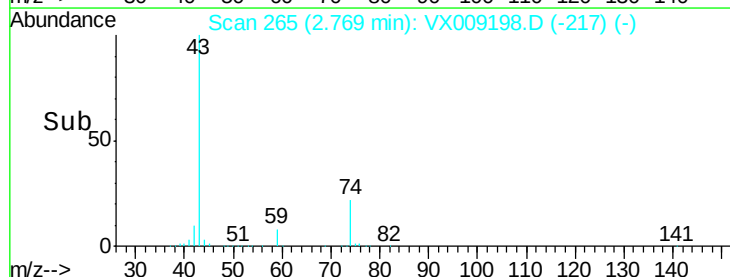
40000

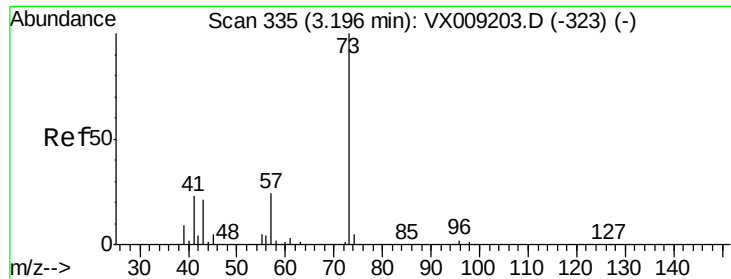
20000

0

Time-->

2.70 2.75 2.80 2.85 2.90





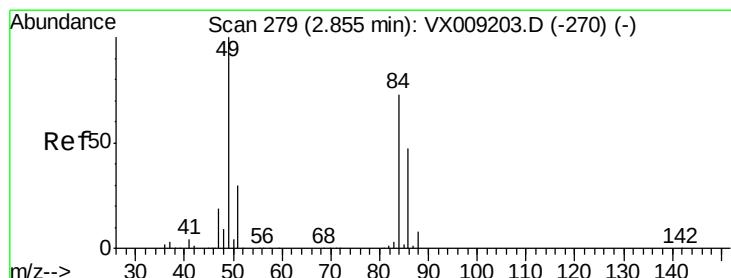
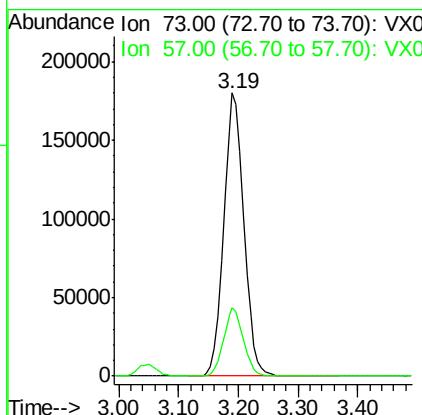
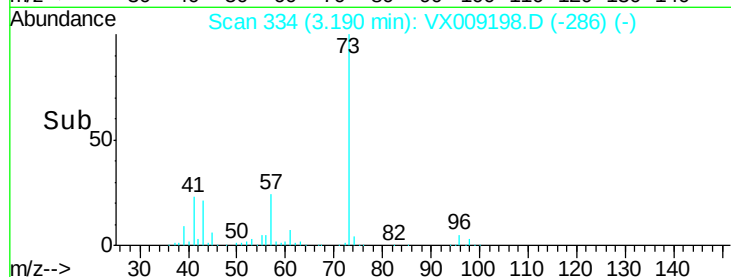
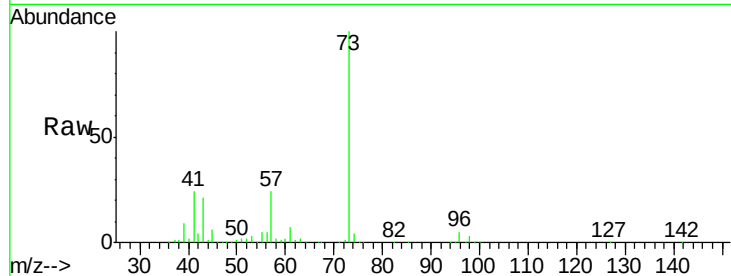
#19
Methyl tert-butyl Ether
Concen: 53.966 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.3	28.9

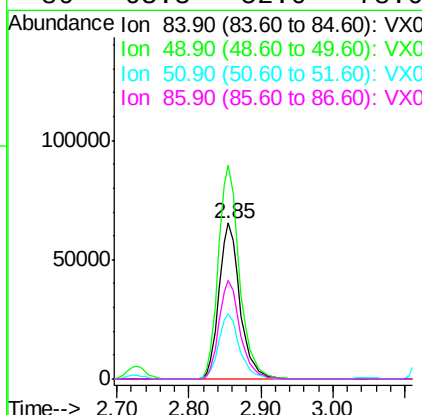
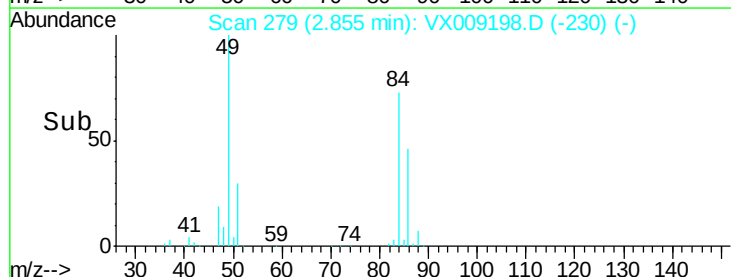
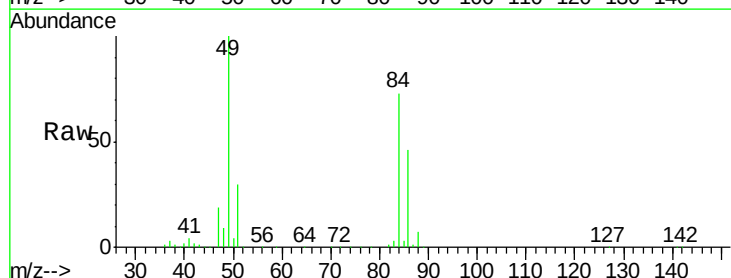
Manual Integrations
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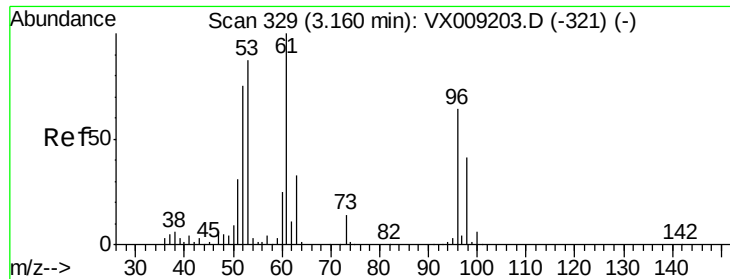
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#20
Methylene Chloride
Concen: 51.786 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.9	109.9	164.9
51	41.6	32.7	49.1
86	63.3	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 53.725 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 117088

Ion Ratio Lower Upper

96 100

61 156.6 124.5 186.7

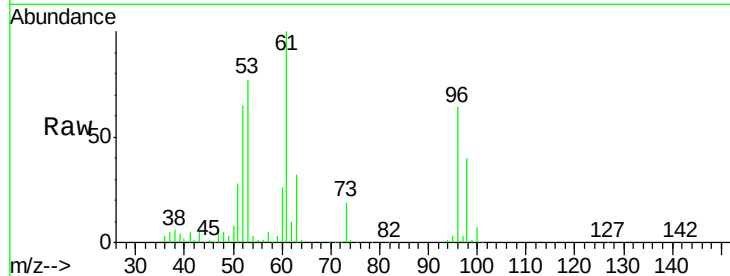
98 62.4 50.4 75.6

Manual Integrations

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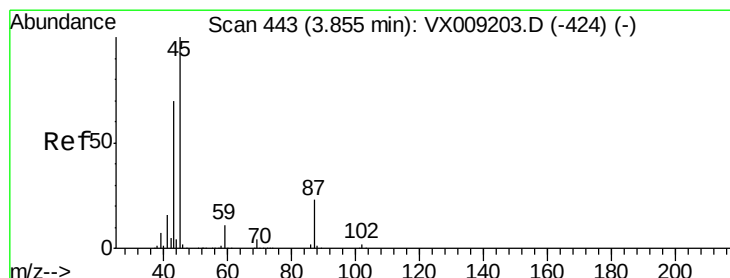
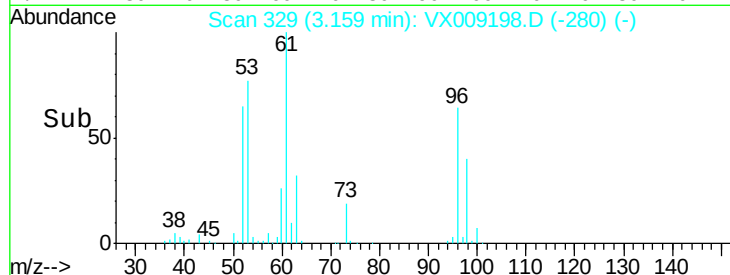
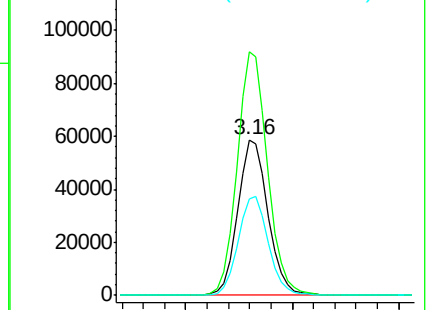


Abundance

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: 53.535 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion: 45 Resp: 504203

Ion Ratio Lower Upper

45 100

43 64.9 56.1 84.1

87 23.6 18.1 27.1

59 10.6 8.5 12.7

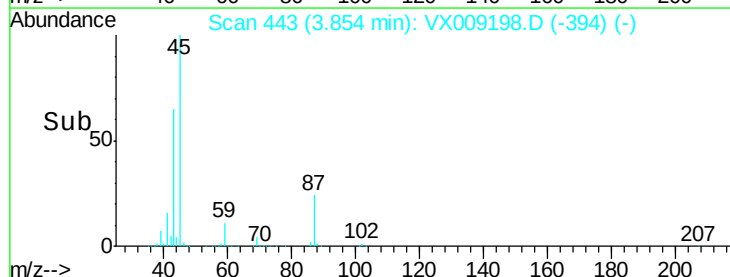
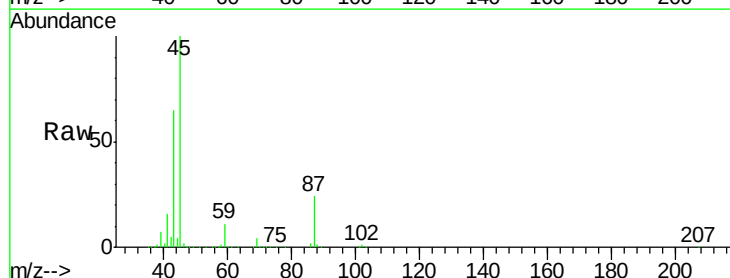
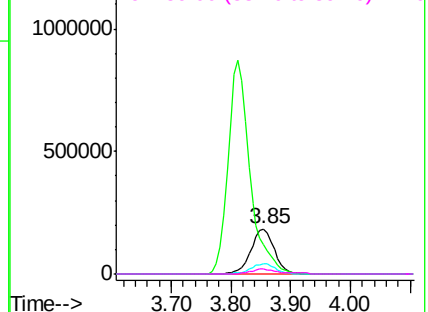
Abundance

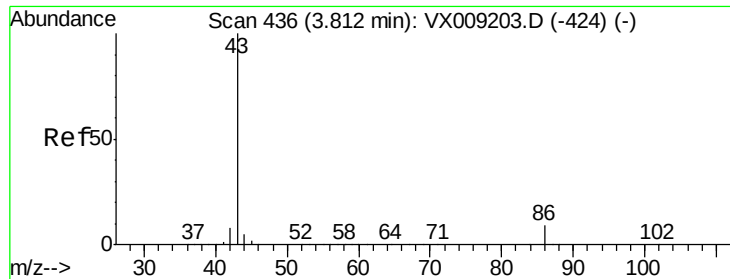
Ion 45.00 (44.70 to 45.70): VX0

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: 276.932 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2233438

Ion Ratio Lower Upper

43 100

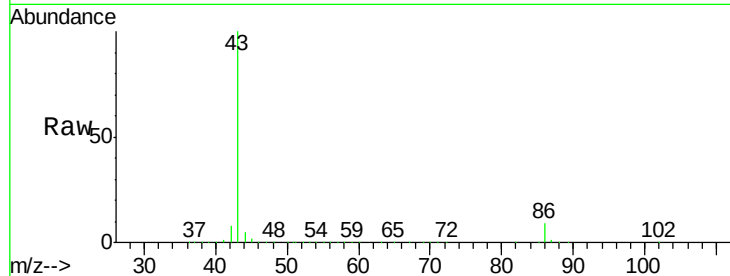
86 8.8 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

800000

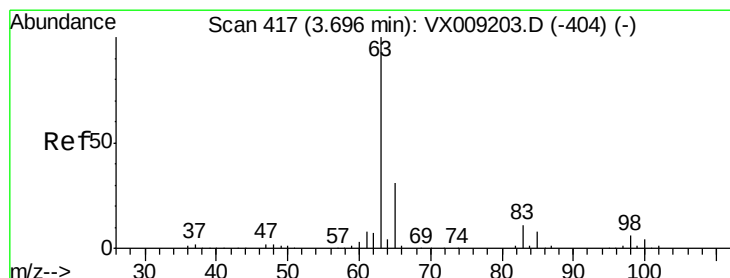
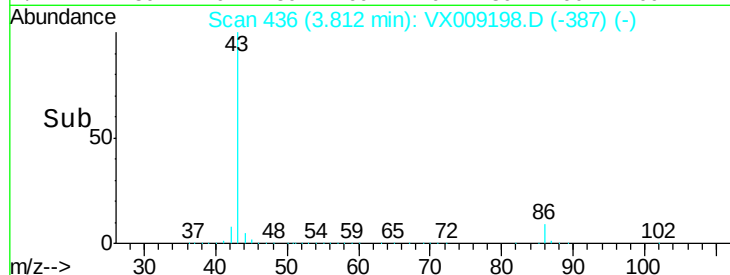
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.108 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

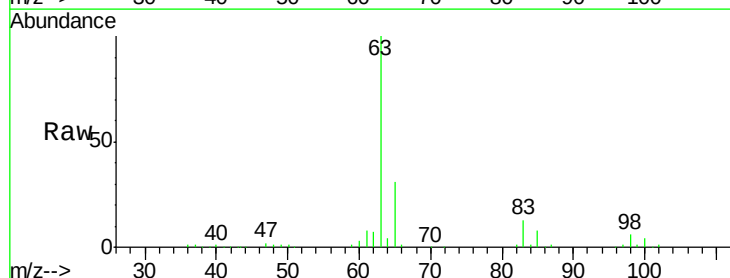
Tgt Ion: 63 Resp: 246748

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.7 2.0 6.0



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

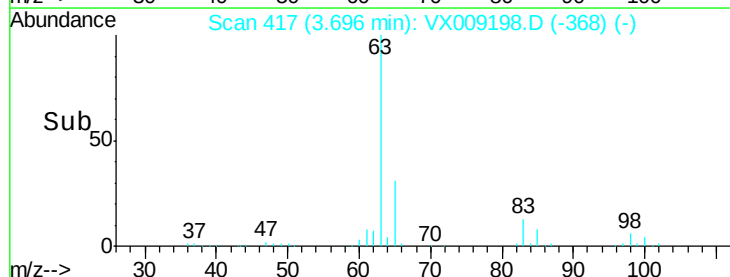
3.70

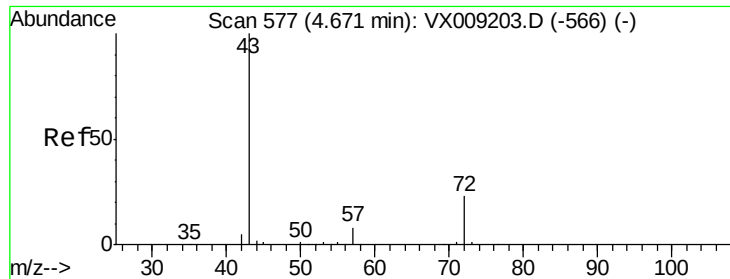
100000

50000

0

Time-->





#25

2-Butanone

Concen: 264.023 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 644121

Ion Ratio Lower Upper

43 100

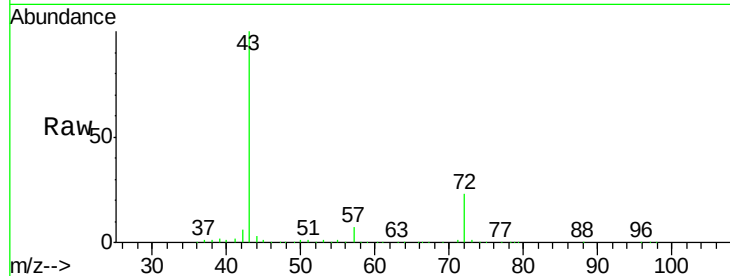
72 22.4 18.2 27.2

Manual Integrations

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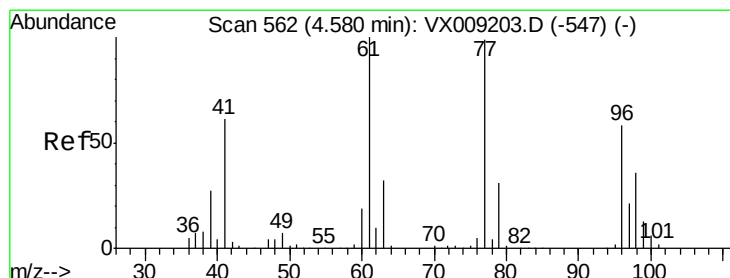
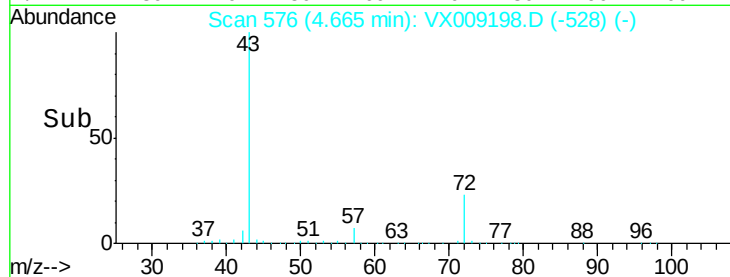
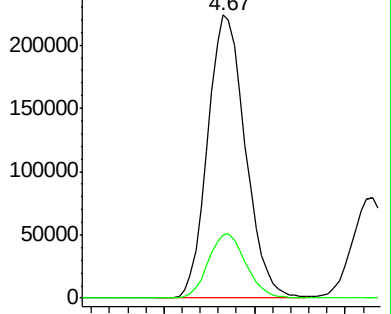
MMDadoda

4/30/2019 11:03:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 55.902 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009198.D

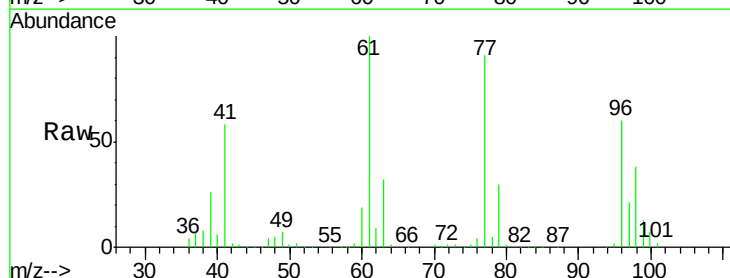
Acq: 29 Apr 2019 10:26

Tgt Ion: 77 Resp: 193325

Ion Ratio Lower Upper

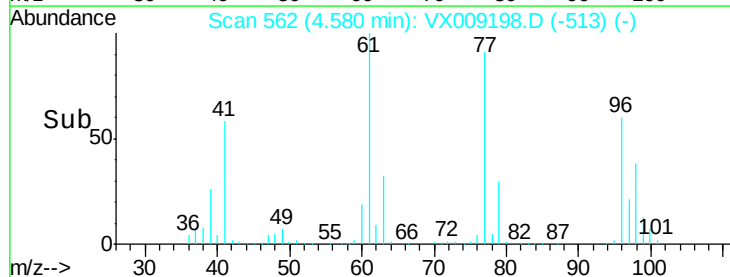
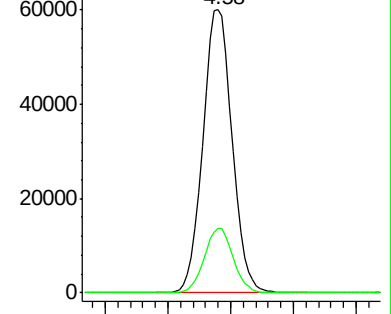
77 100

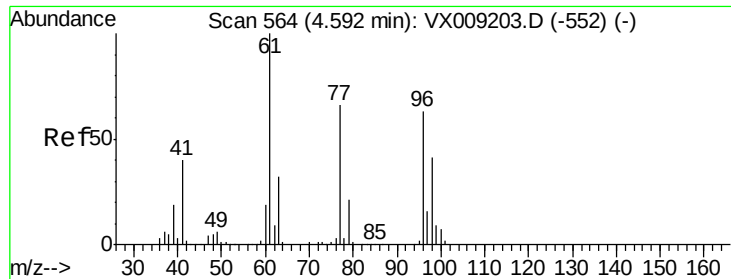
97 22.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

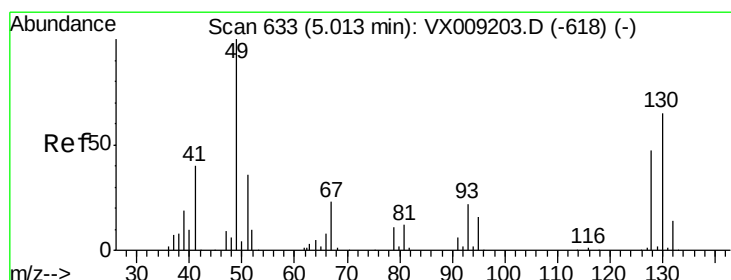
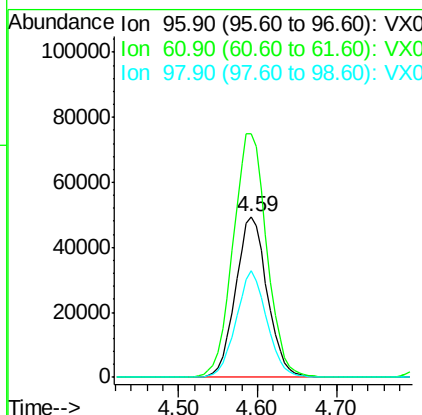
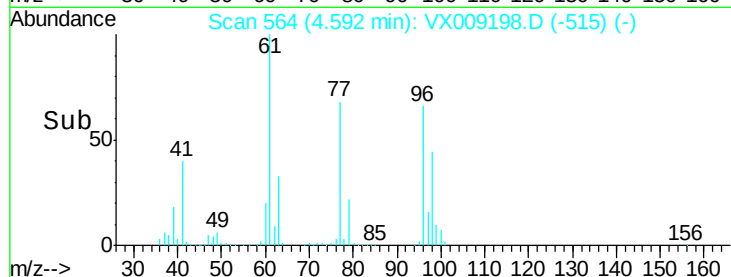
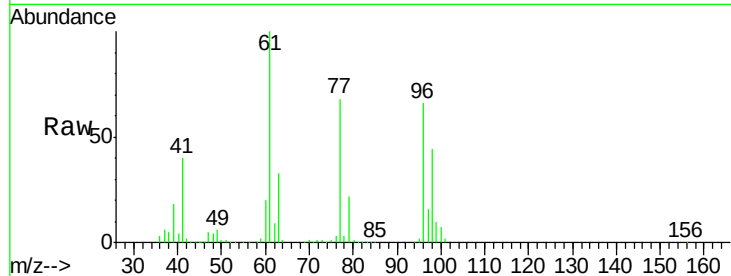
cis-1,2-Dichloroethene
Concen: 53.144 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	324.0
98	64.3	0.0	130.4

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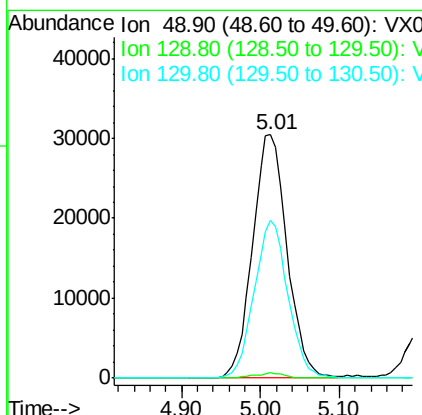
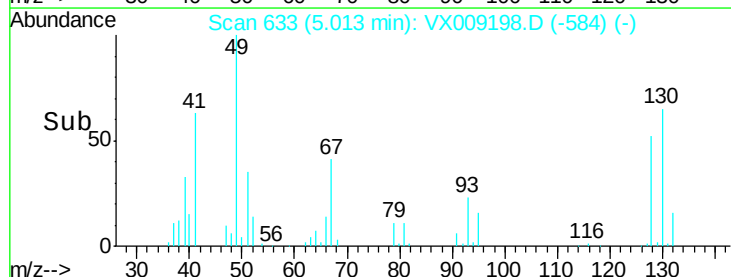
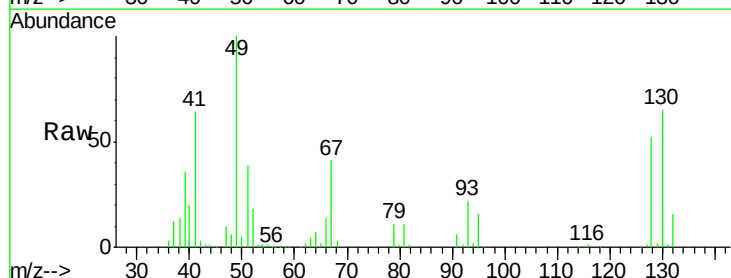
MMDadoda
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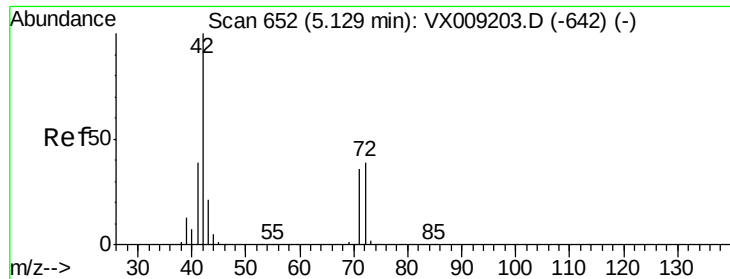


#28

Bromochloromethane
Concen: 49.521 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	63.1	51.2	76.8





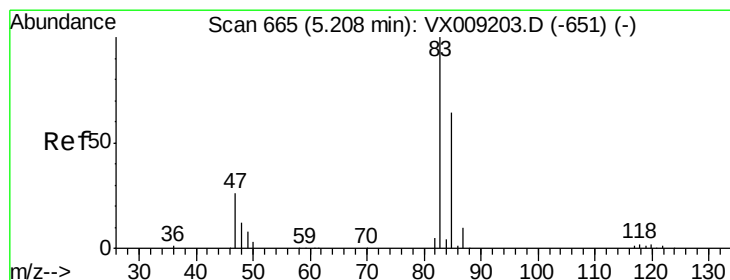
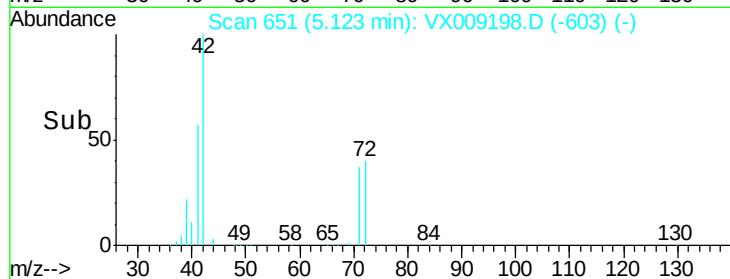
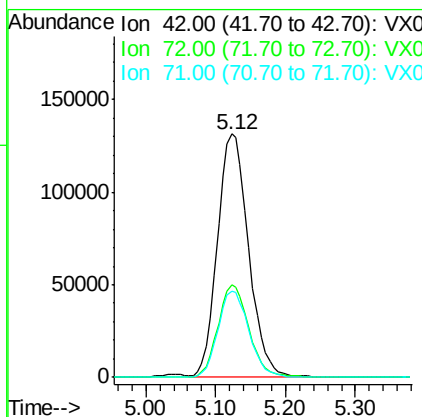
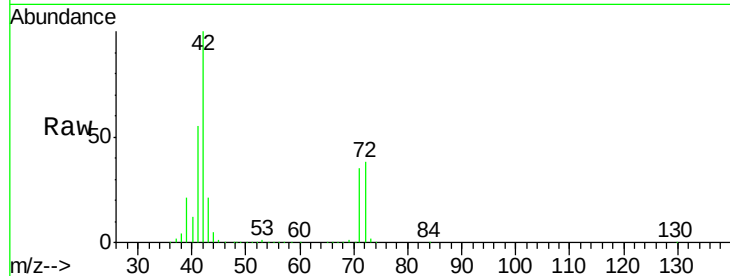
#29
Tetrahydrofuran
Concen: 257.244 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.4	45.6
71	35.8	28.6	43.0

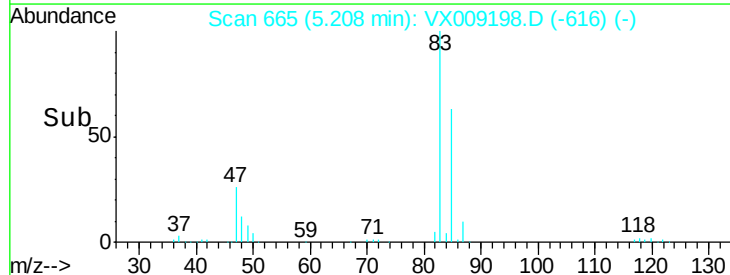
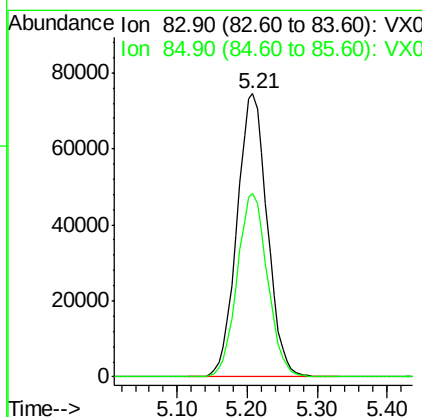
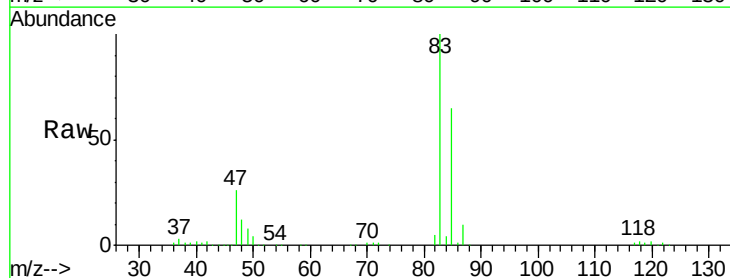
Manual Integrations
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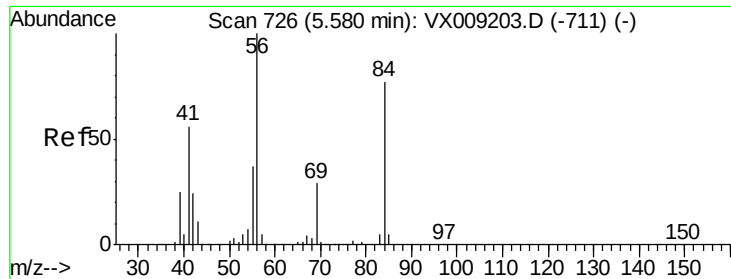
MMDadoda
4/30/2019 11:03:14 AM



#30
Chloroform
Concen: 53.194 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





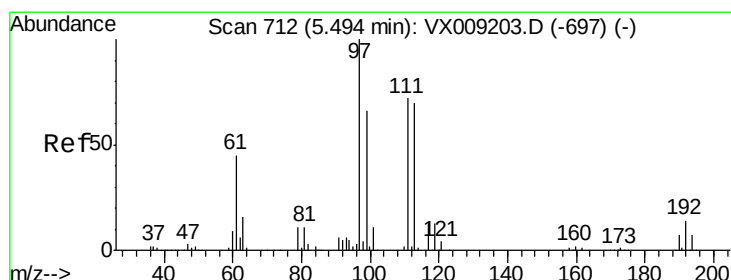
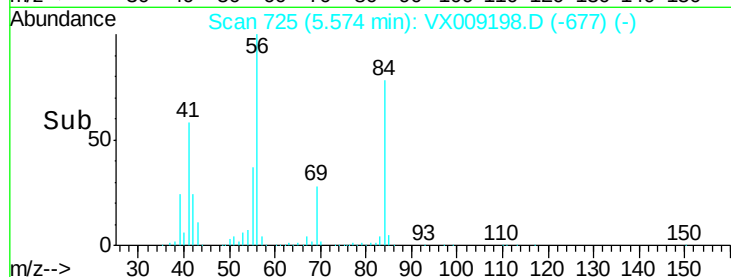
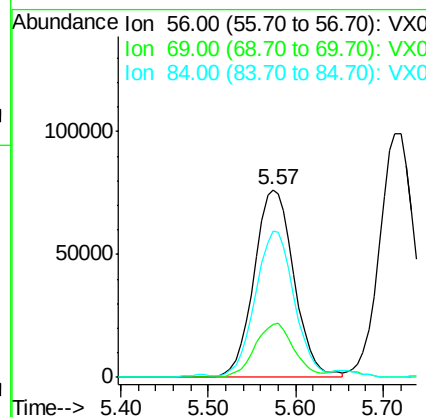
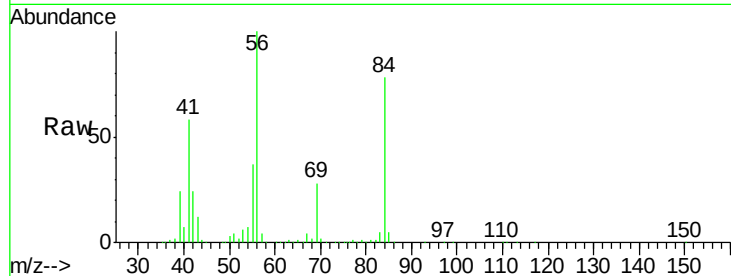
#31
Cyclohexane
Concen: 56.033 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.4	35.0
84	77.0	61.9	92.9

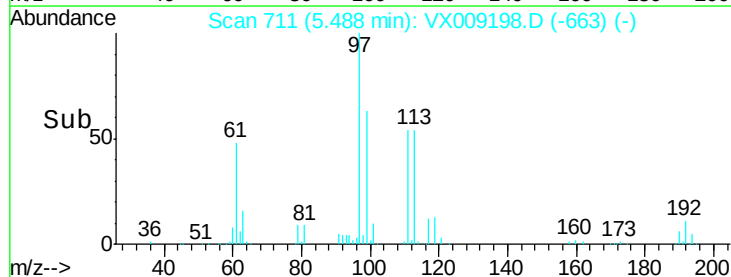
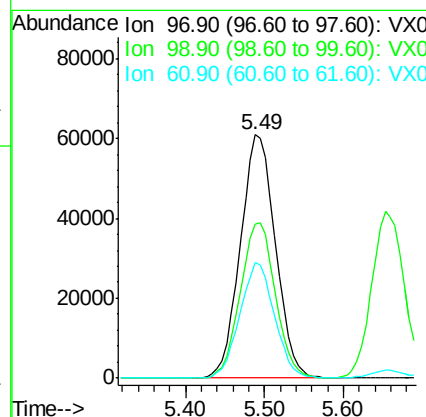
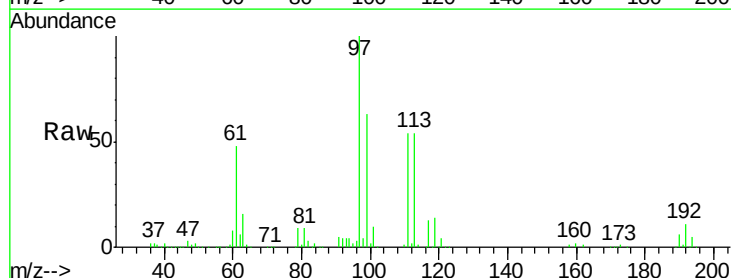
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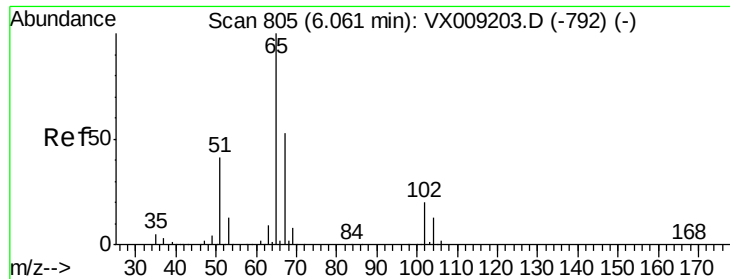
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#32
1,1,1-Trichloroethane
Concen: 53.949 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.8
61	46.8	37.8	56.8





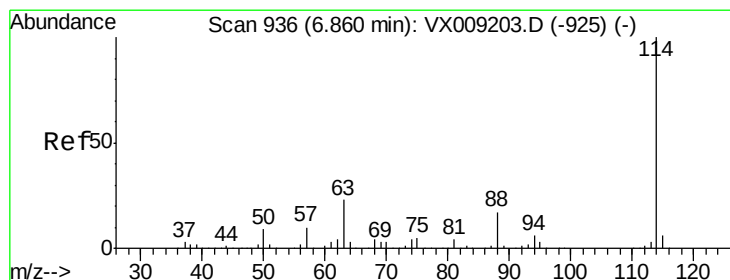
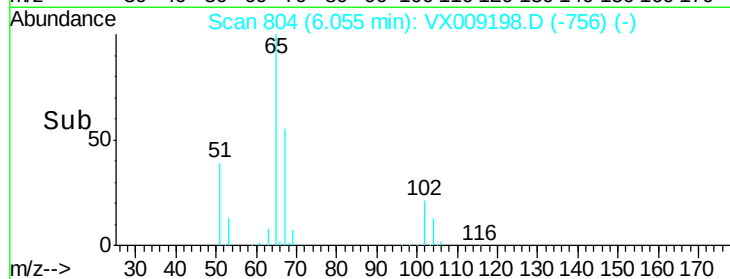
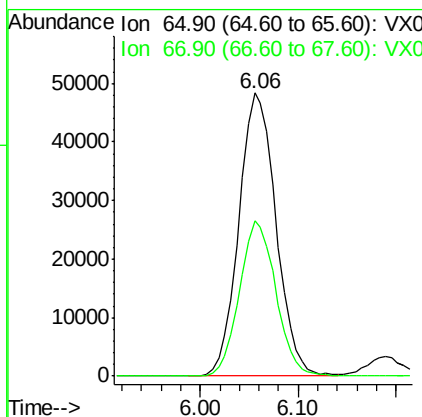
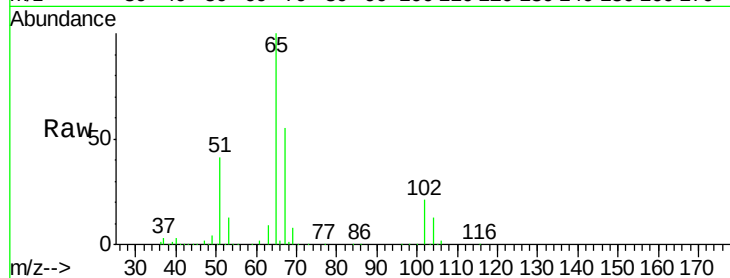
#33
 1,2-Dichloroethane-d4
 Concen: 43.640 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.6

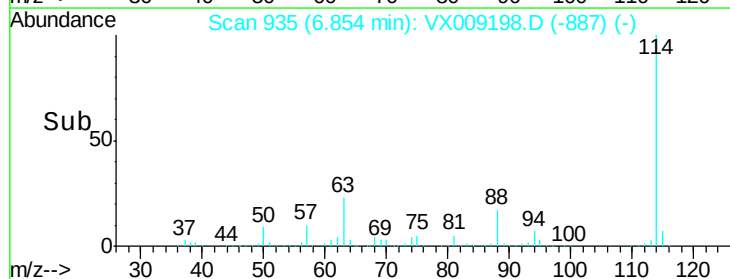
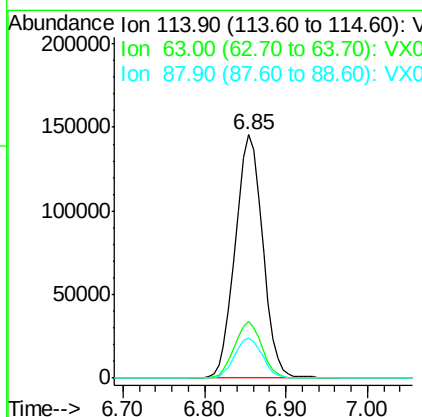
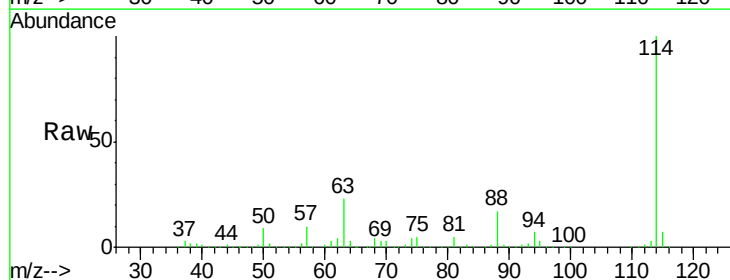
Manual Integrations
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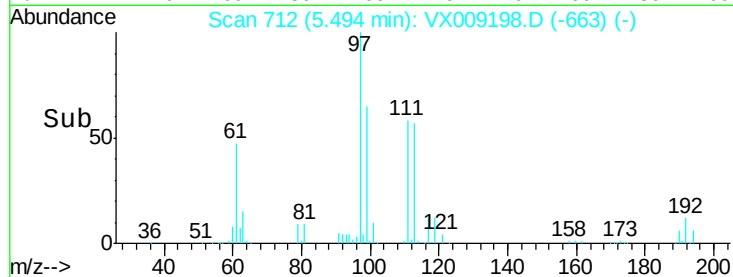
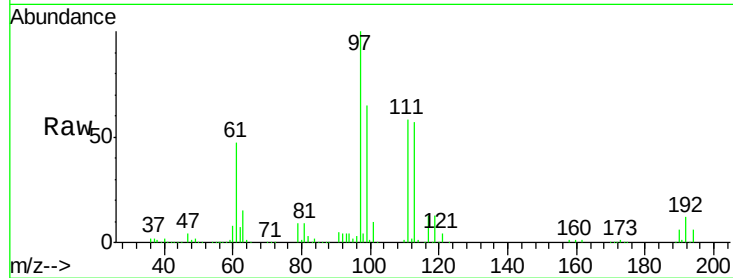
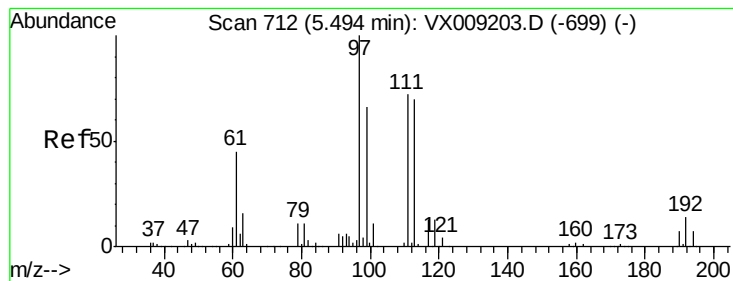
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 4/30/2019 11:03:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.6
88	16.5	0.0	33.2





#35

Dibromofluoromethane

Concen: 45.020 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009198.D

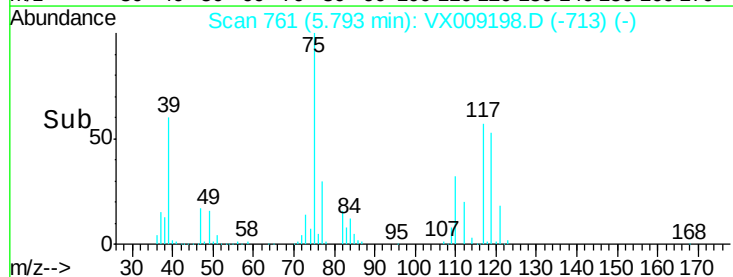
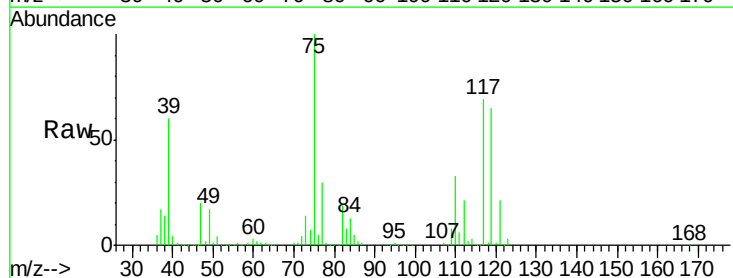
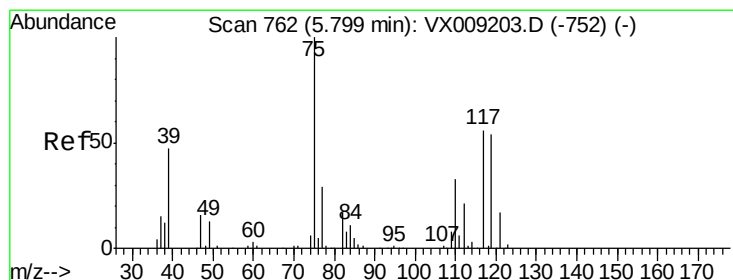
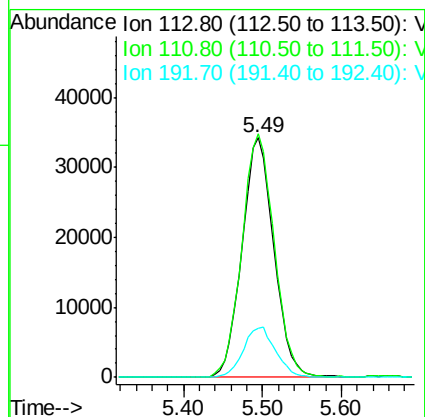
Acq: 29 Apr 2019 10:26

Tot Ion:	113	Resp:	96228
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	21.2	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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4/30/2019 11:03:14 AM



#36

1,1-Dichloropropene

Concen: 55.564 ug/l

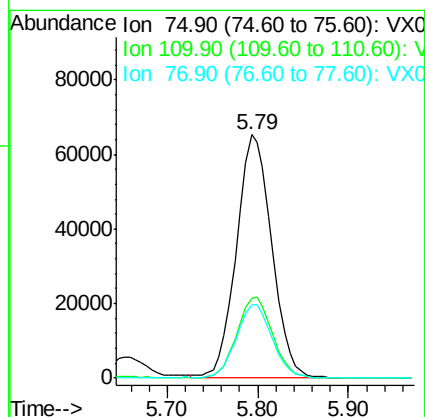
RT: 5.79 min Scan# 761

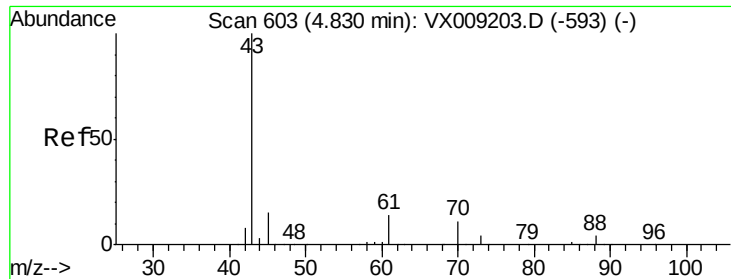
Delta R.T. -0.01 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion:	75	Resp:	175571
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	30.4	24.8	37.2





#37

Ethyl Acetate

Concen: 53.095 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

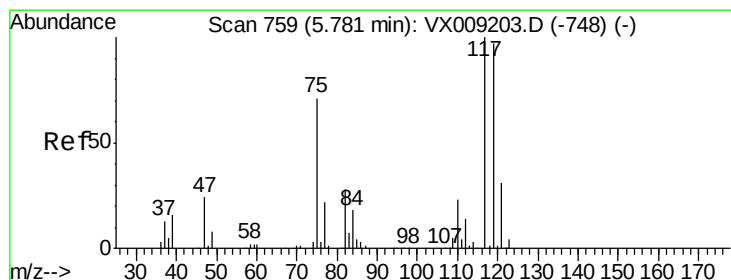
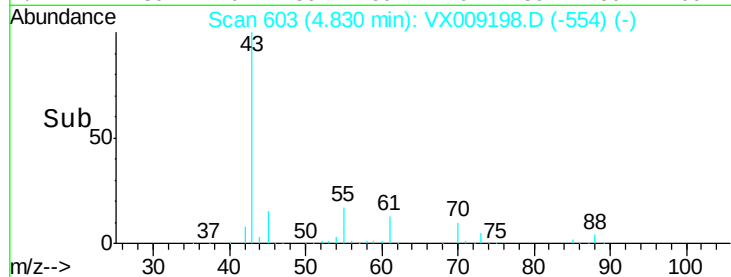
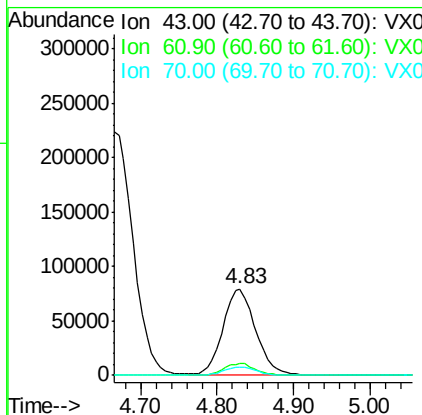
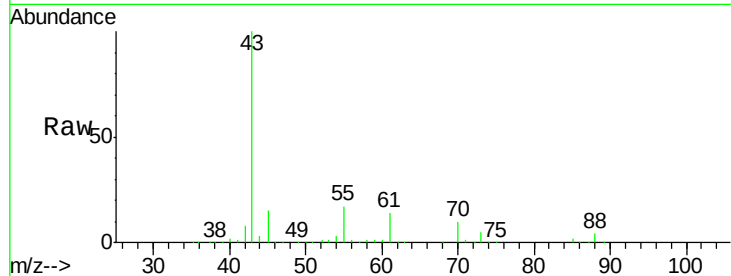
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	233754
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.8	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 55.380 ug/l

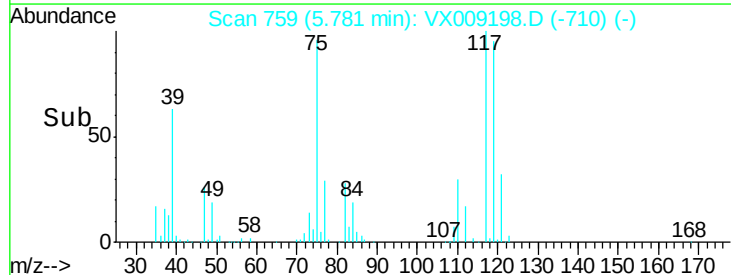
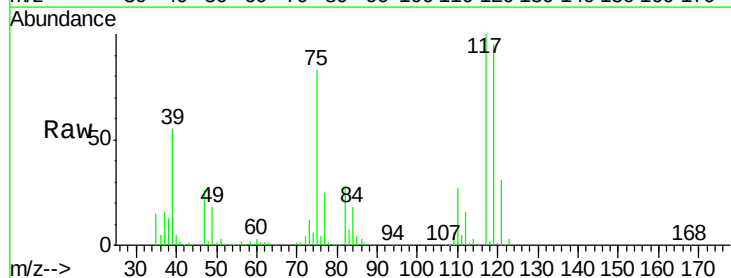
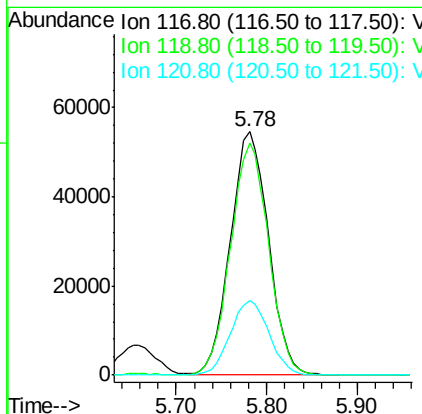
RT: 5.78 min Scan# 759

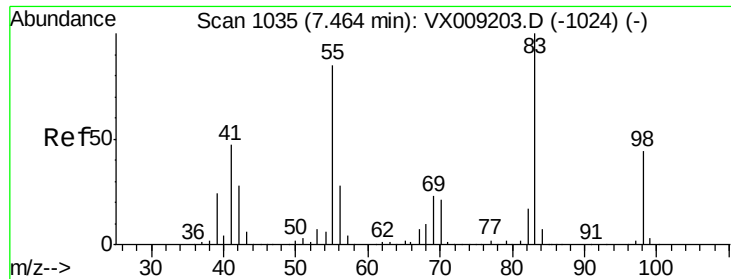
Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion:	117	Resp:	158988
Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.5	116.3
121	30.9	24.7	37.1





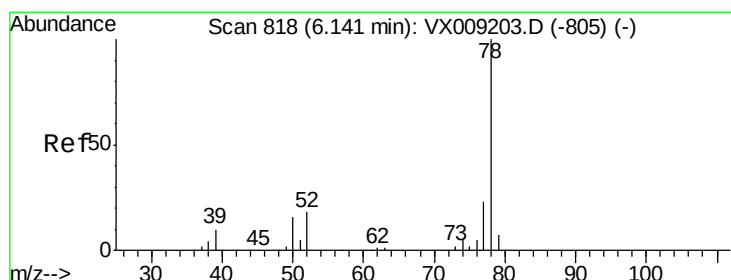
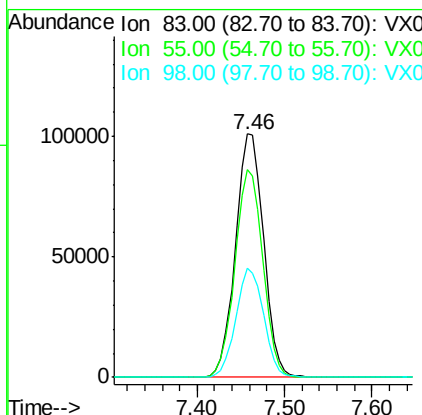
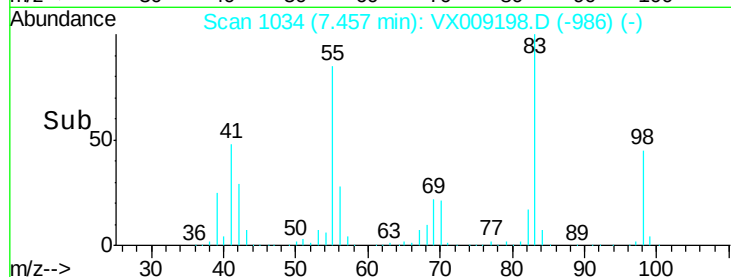
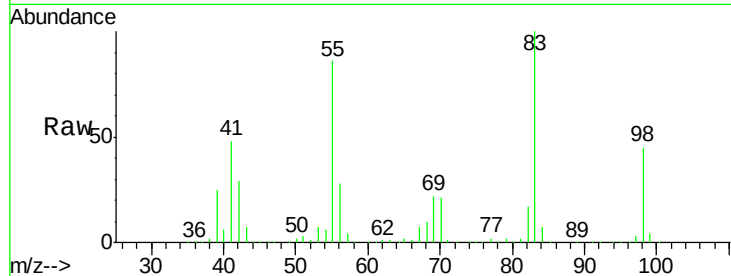
#39
Methylvlcyclohexane
Concen: 58.311 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	67.7	101.5
98	45.1	35.5	53.3

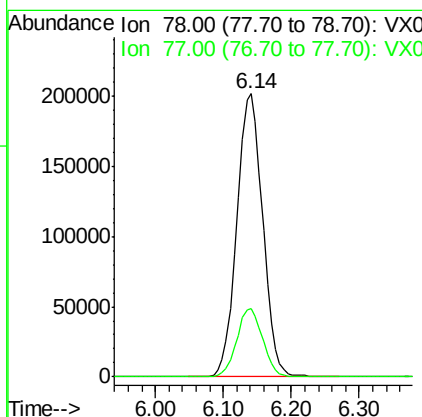
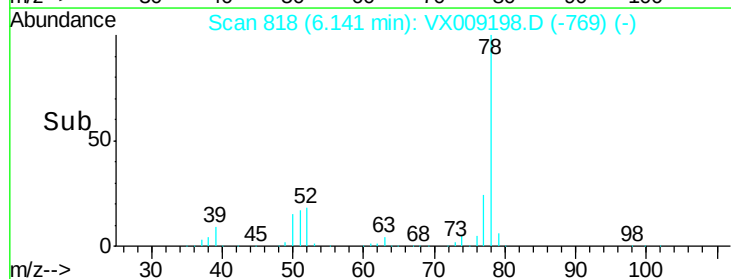
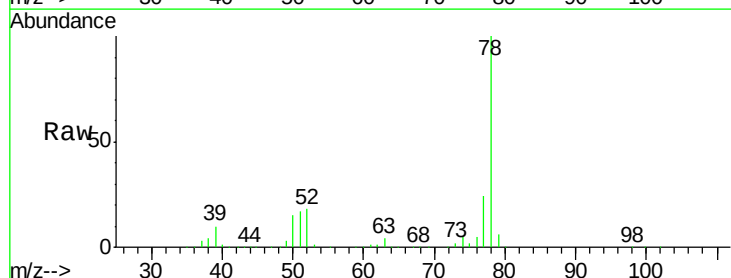
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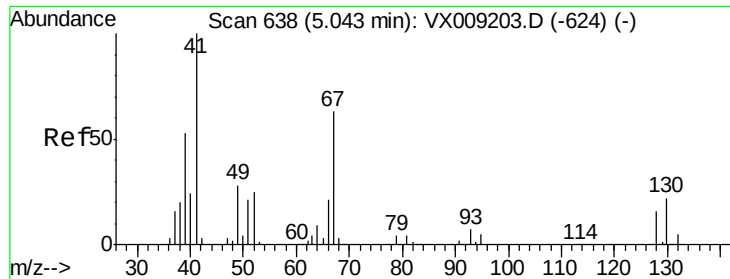
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#40
Benzene
Concen: 54.405 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





#41

Methacrylonitrile

Concen: 51.006 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

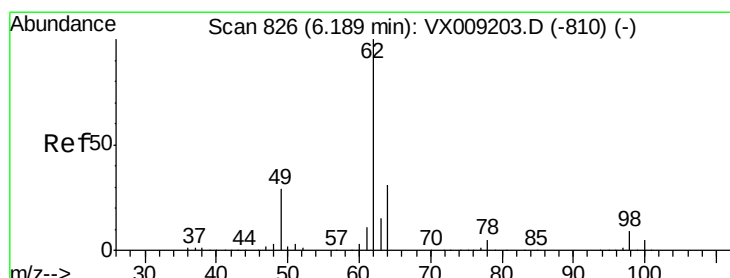
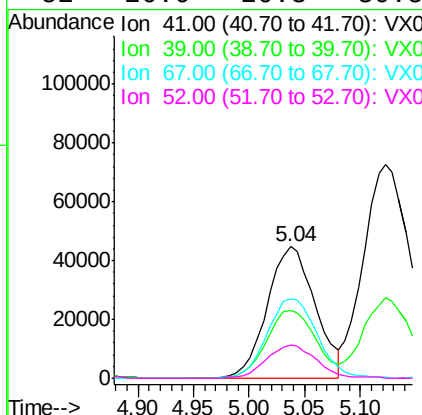
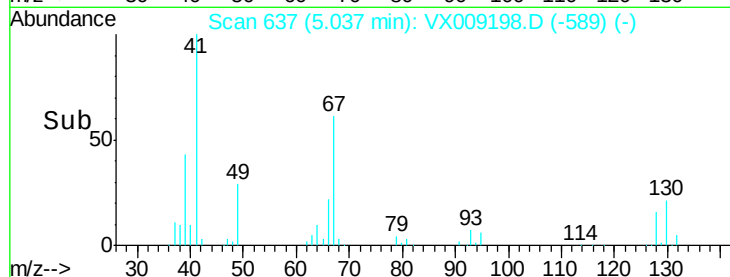
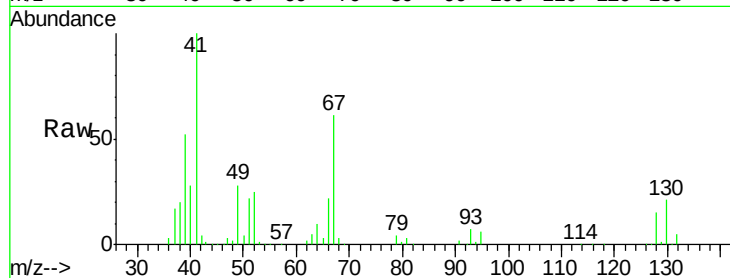
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.0	63.0	
67	63.5	49.8	74.8	
52	26.0	20.3	30.5	

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#42

1,2-Dichloroethane

Concen: 53.438 ug/l

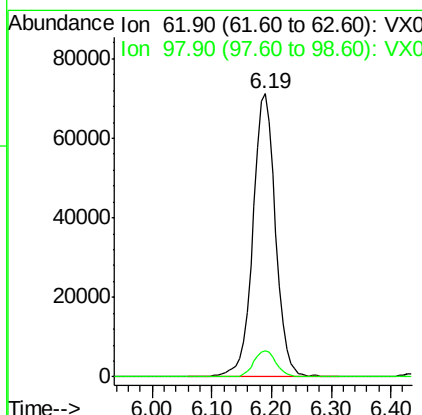
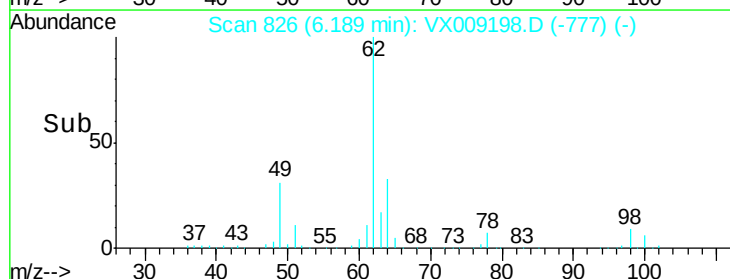
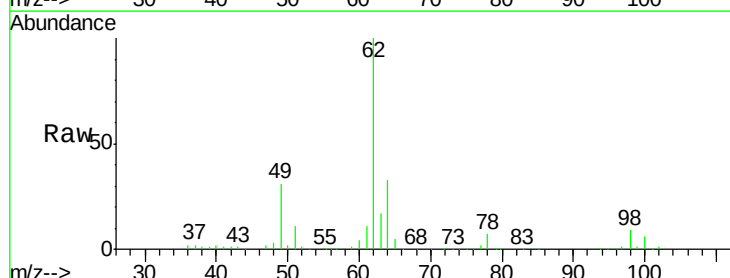
RT: 6.19 min Scan# 826

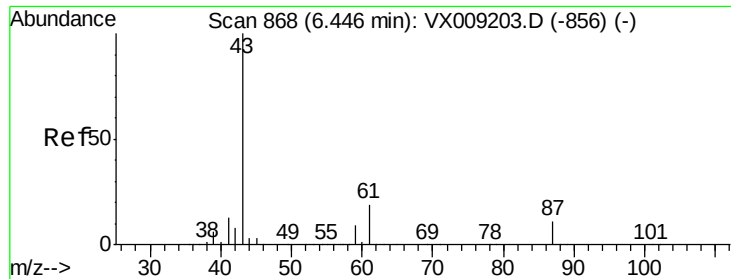
Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.2	





#43

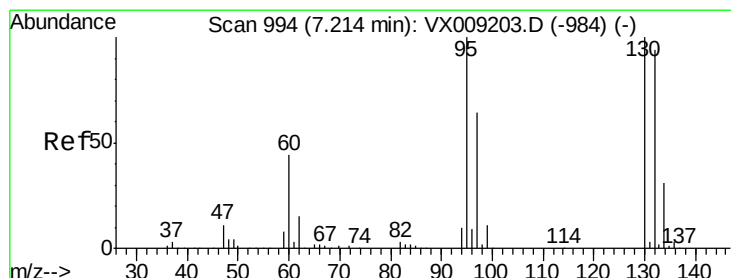
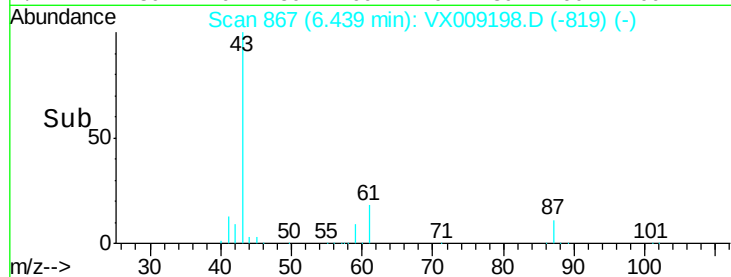
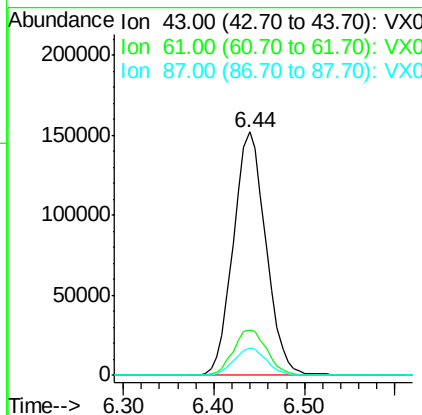
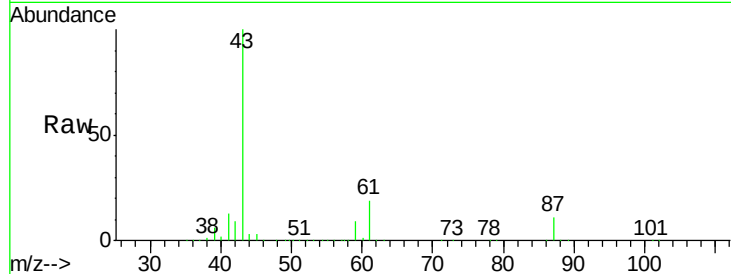
Isopropyl Acetate
 Concen: 53.836 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.1	22.7
87	11.2	9.0	13.6

Manual Integrations
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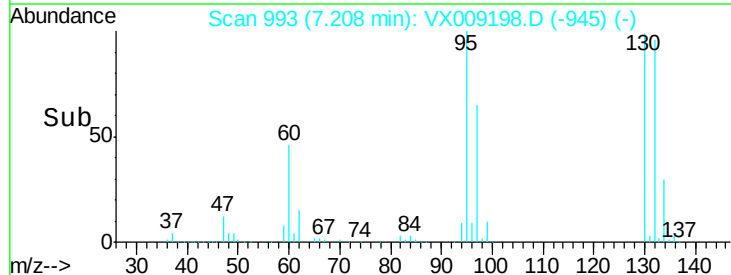
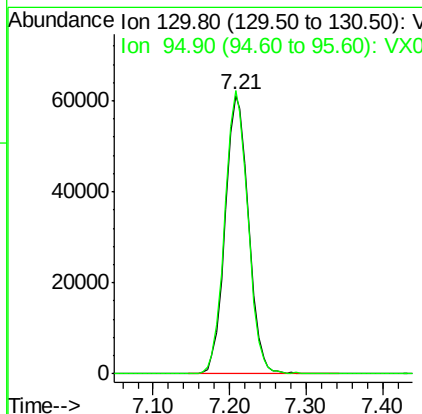
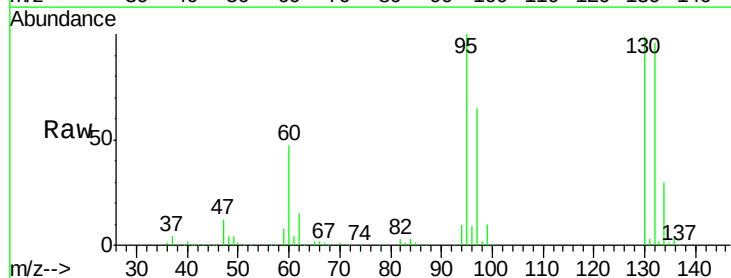
MMDadoda
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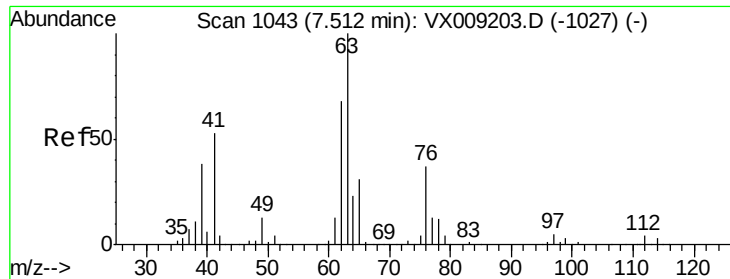


#44

Trichloroethene
 Concen: 54.619 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	199.2





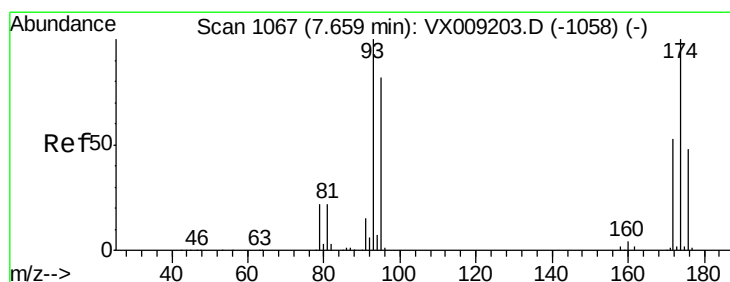
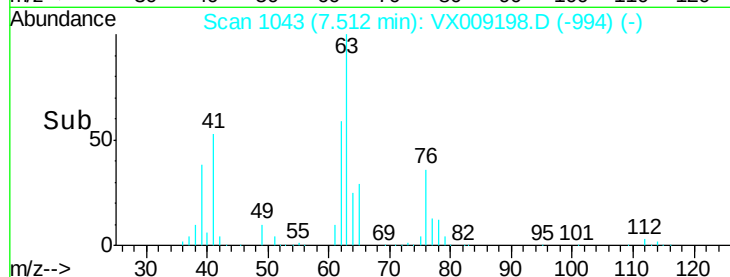
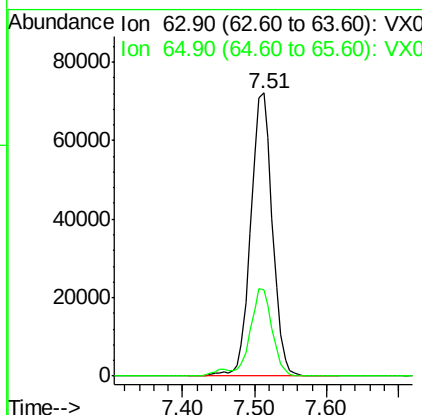
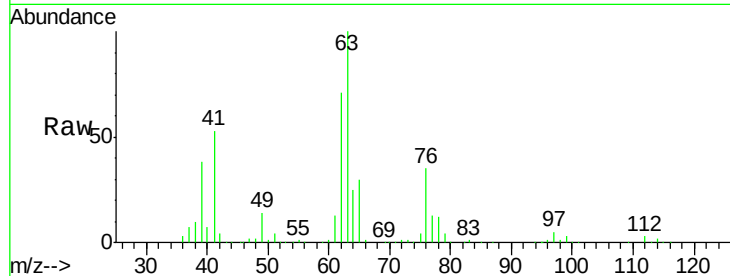
#45
 1,2-Dichloropropane
 Concen: 54.617 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.0	37.6

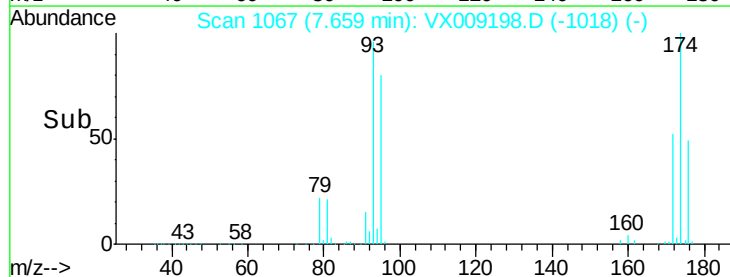
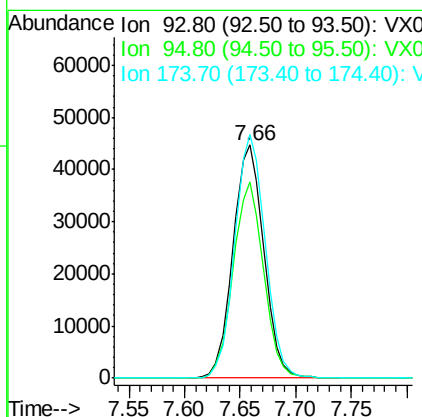
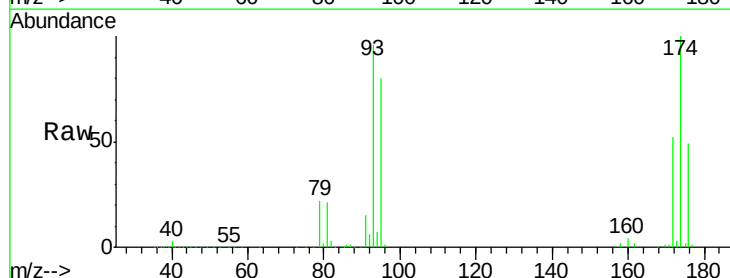
Manual Integrations
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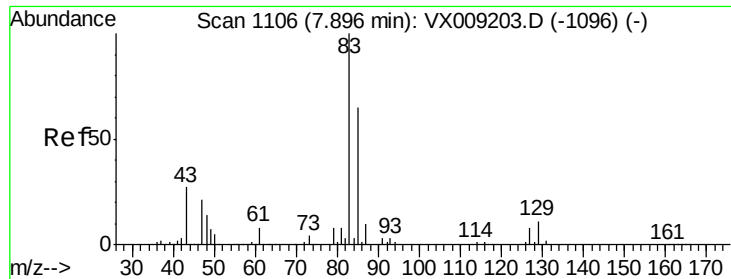
MMDadoda
 4/30/2019 11:03:14 AM



#46
 Dibromomethane
 Concen: 53.337 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.5	99.7
174	103.6	82.1	123.1





#47

Bromodichloromethane

Concen: 55.525 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

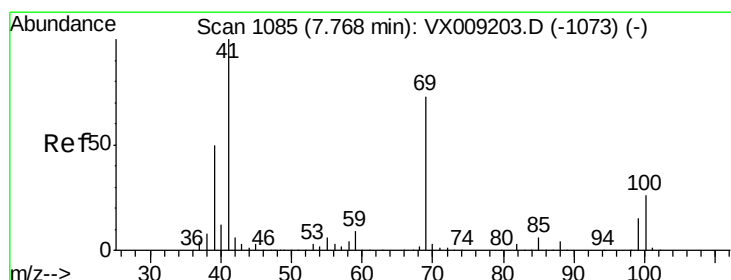
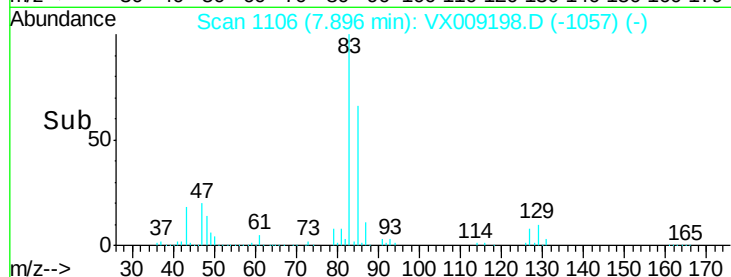
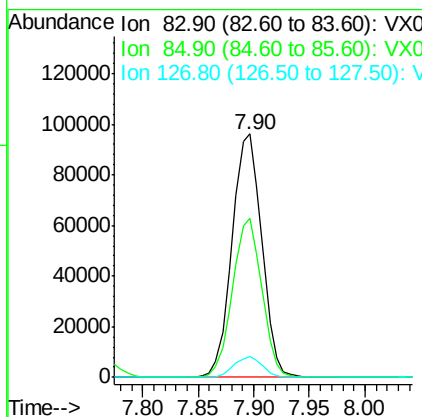
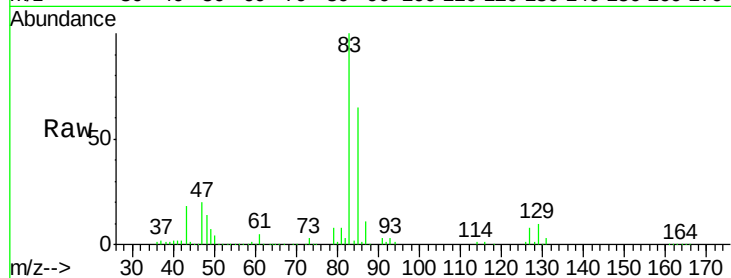
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	178097
Ion Ratio	Lower	Upper	
83	100		
85	65.4	52.4	78.6
127	8.5	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.646 ug/l

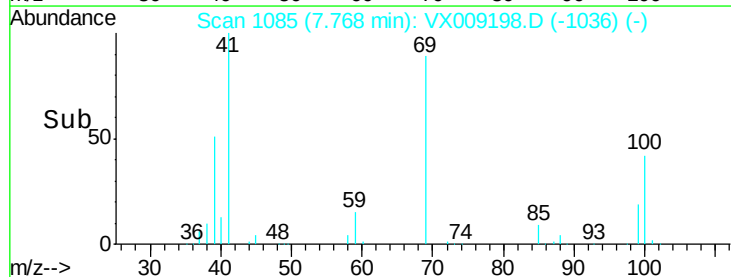
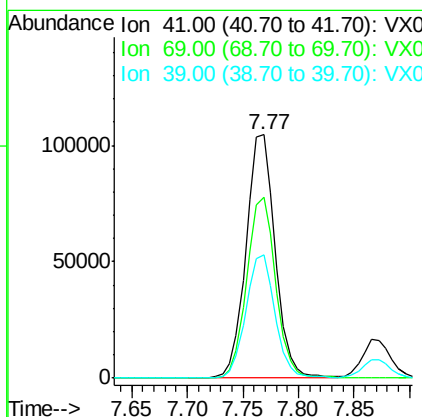
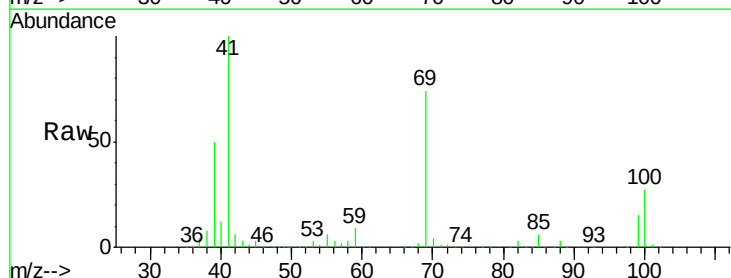
RT: 7.77 min Scan# 1085

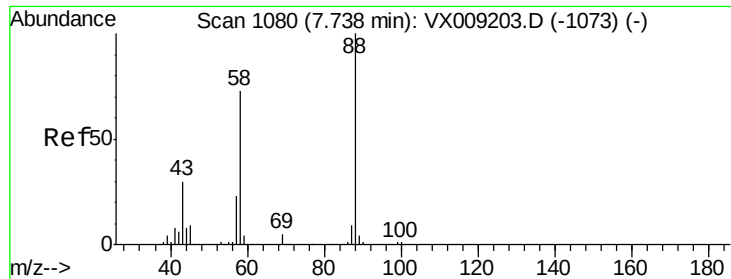
Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion:	41	Resp:	190919
Ion Ratio	Lower	Upper	
41	100		
69	74.4	59.1	88.7
39	50.4	40.4	60.6





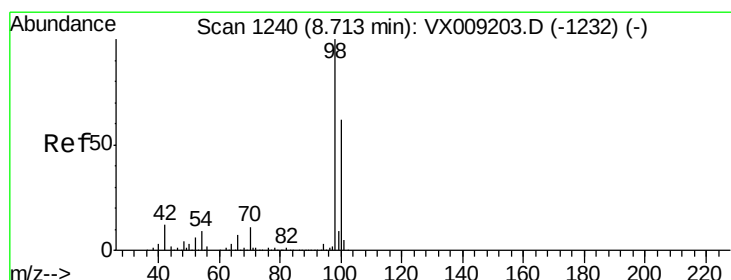
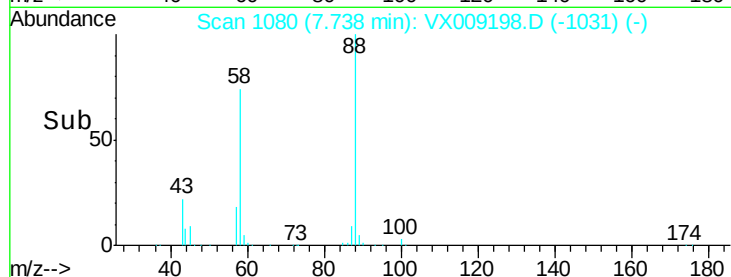
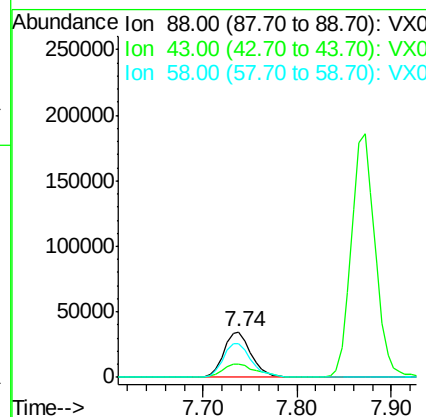
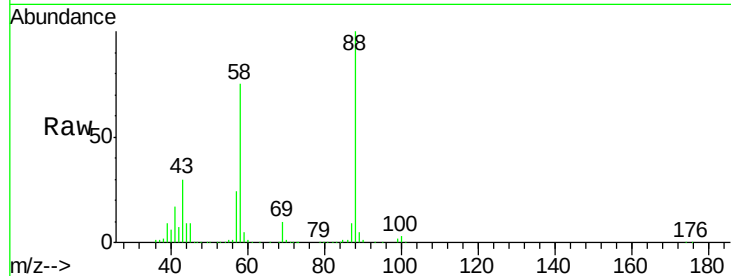
#49
1,4-Dioxane
Concen: 982.618 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	69621		
43	36.4	28.6	42.8	
58	77.9	61.7	92.5	

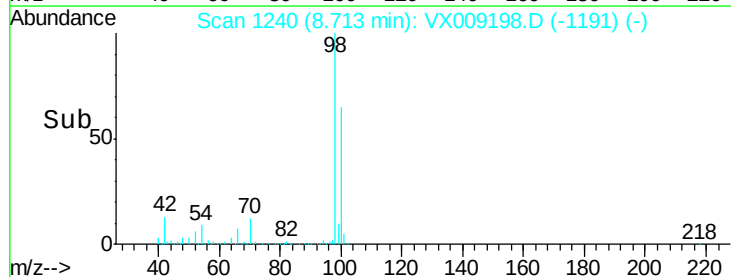
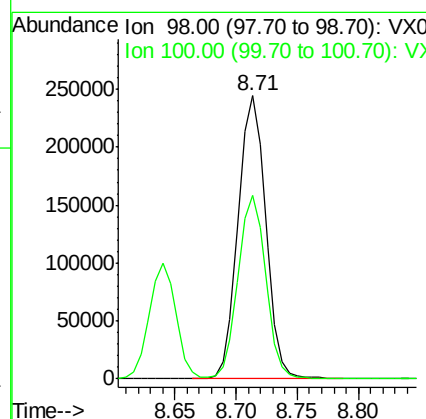
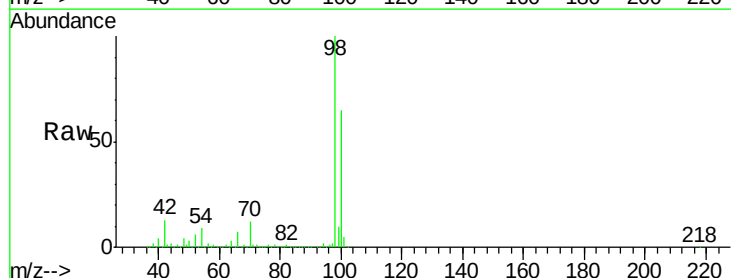
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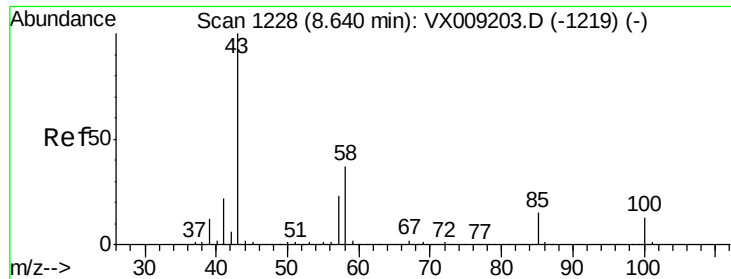
MMDadoda
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#50
Toluene-d8
Concen: 44.395 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	383108		
100	65.0	51.2	76.8	





#51

4-Methyl-2-Pentanone

Concen: 264.678 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1218271

Ion Ratio Lower Upper

43 100

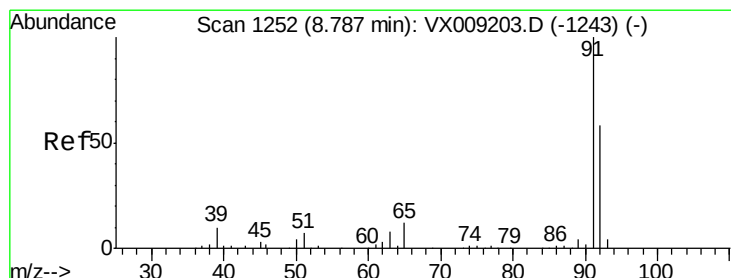
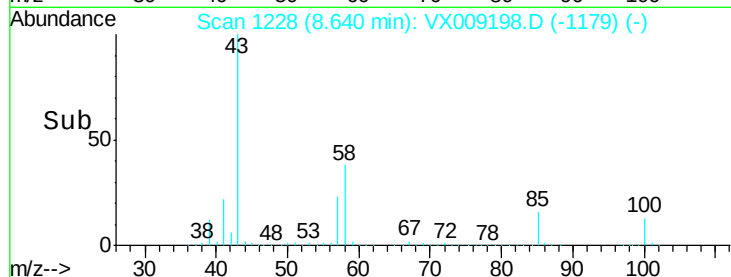
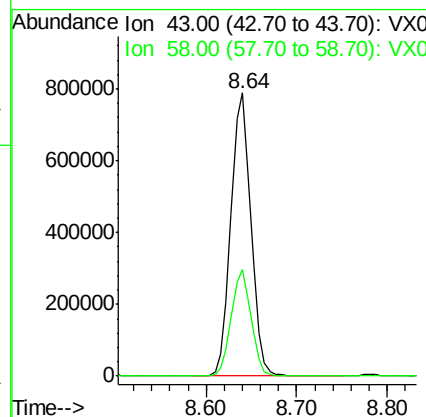
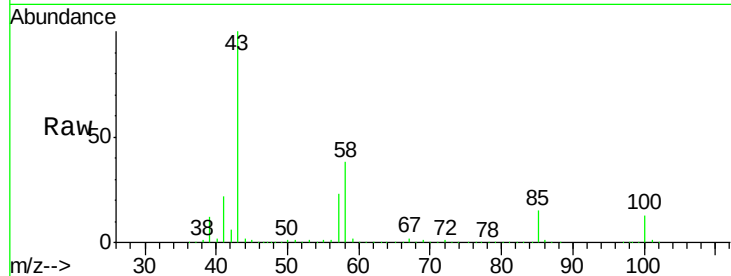
58 37.2 29.5 44.3

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#52

Toluene

Concen: 54.774 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009198.D

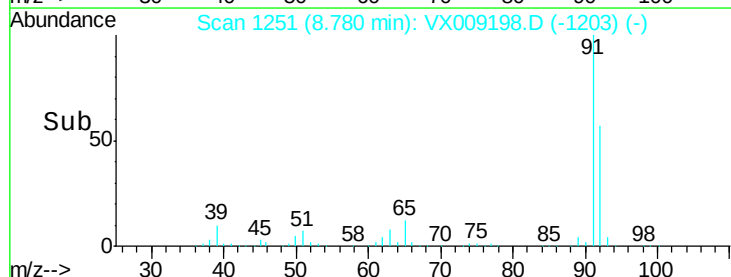
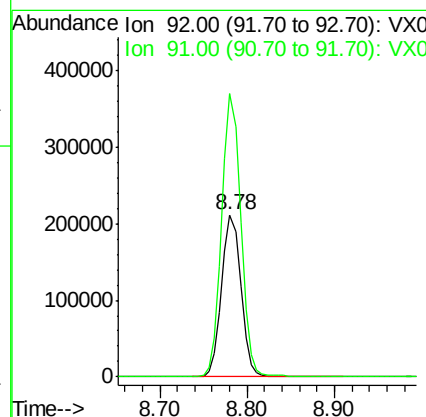
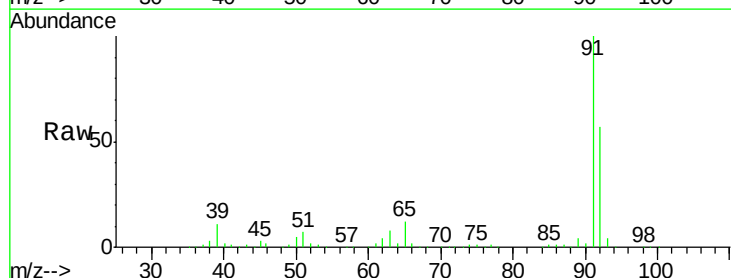
Acq: 29 Apr 2019 10:26

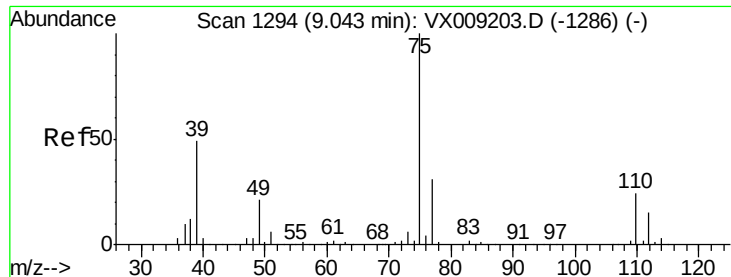
Tgt Ion: 92 Resp: 325599

Ion Ratio Lower Upper

92 100

91 173.1 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 57.885 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 209620

Ion Ratio Lower Upper

75 100

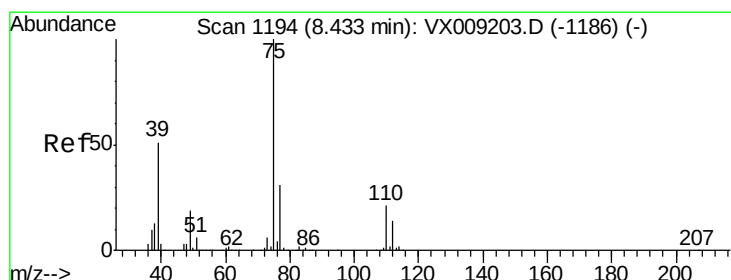
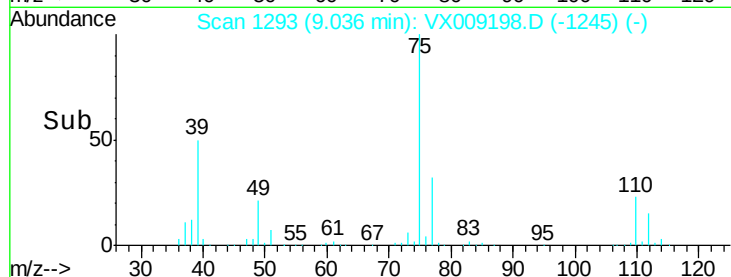
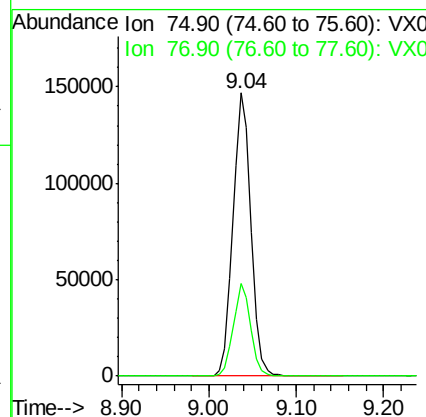
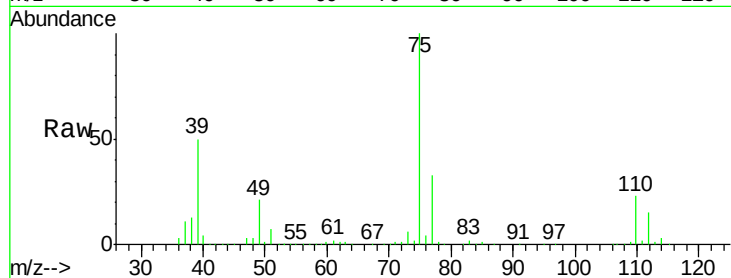
77 32.5 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 56.966 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

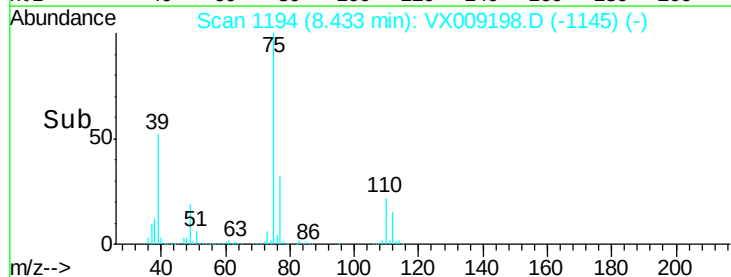
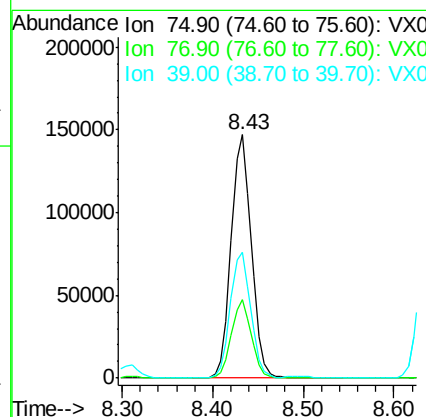
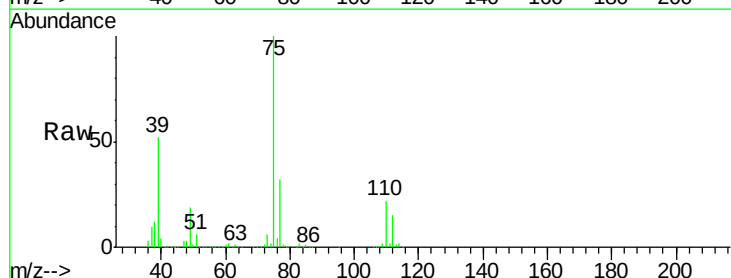
Tgt Ion: 75 Resp: 228335

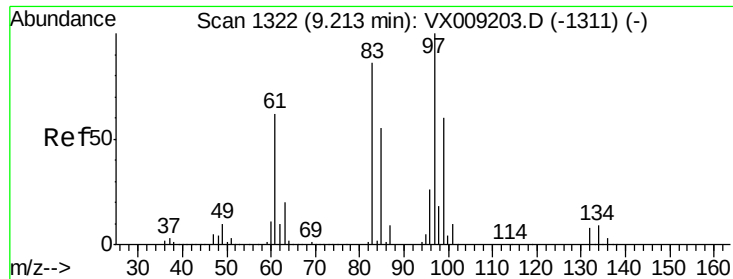
Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8

39 51.7 40.6 60.8





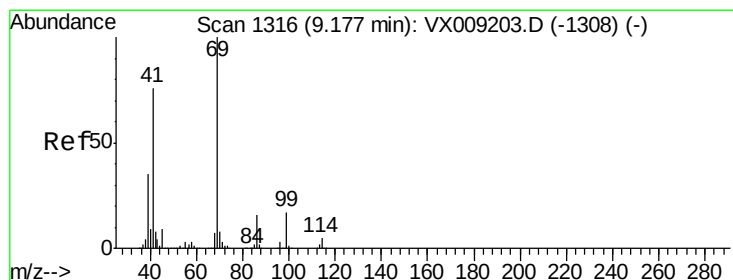
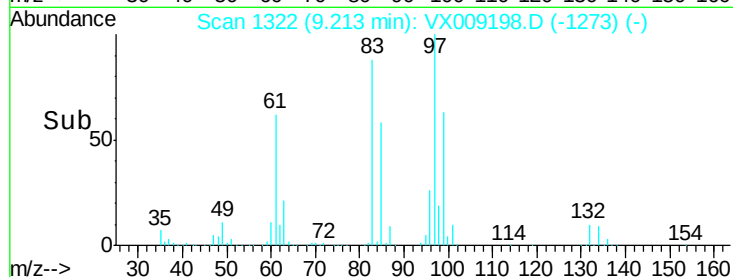
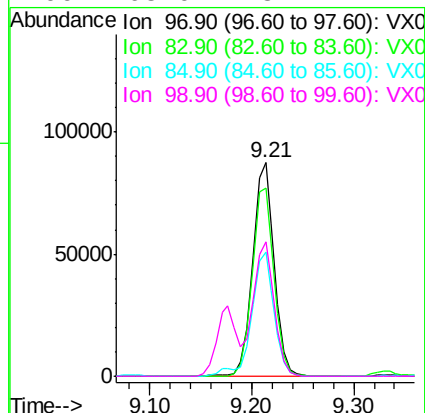
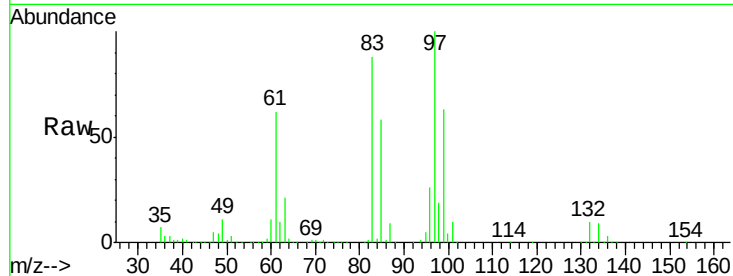
#55
 1,1,2-Trichloroethane
 Concen: 53.231 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	129093
Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.9	103.3
85	58.2	43.8	65.6
99	63.0	48.2	72.2

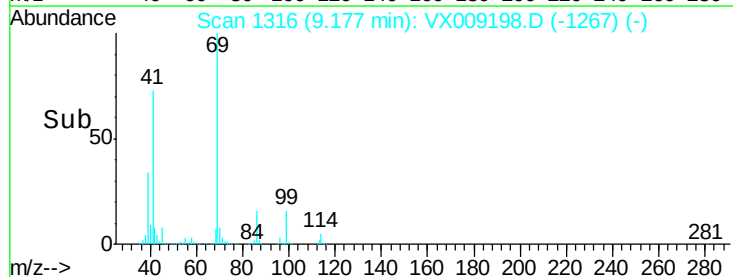
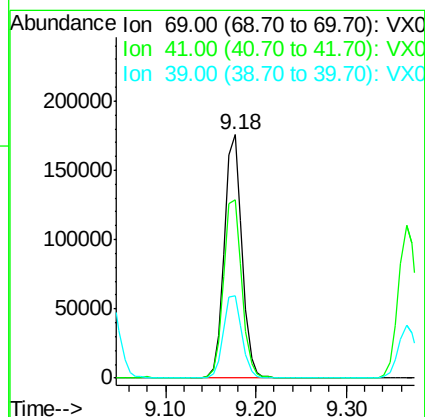
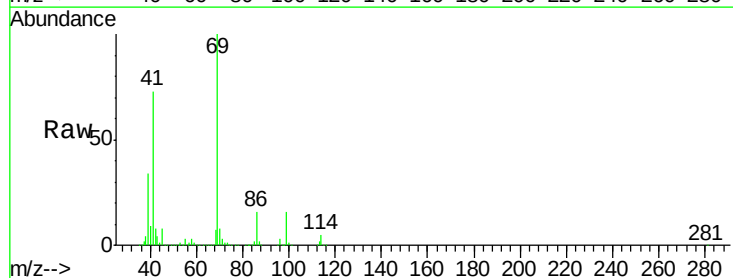
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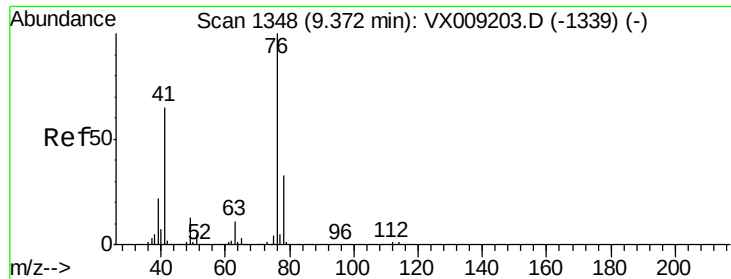
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#56
 Ethyl methacrylate
 Concen: 55.321 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion:	69	Resp:	239486
Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.6	90.8
39	35.4	28.2	42.4





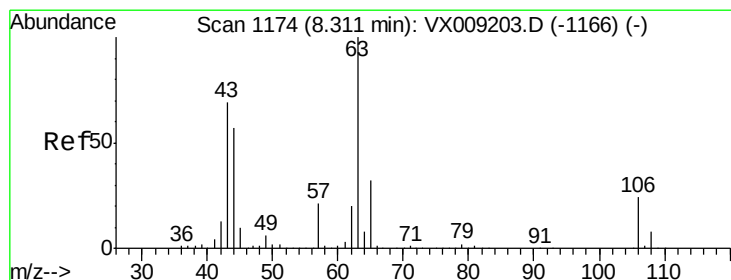
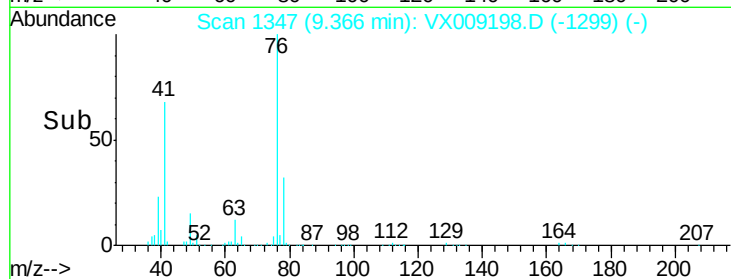
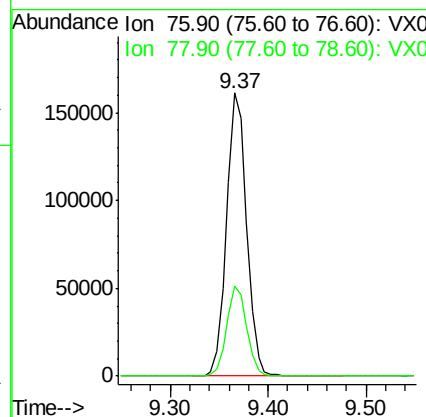
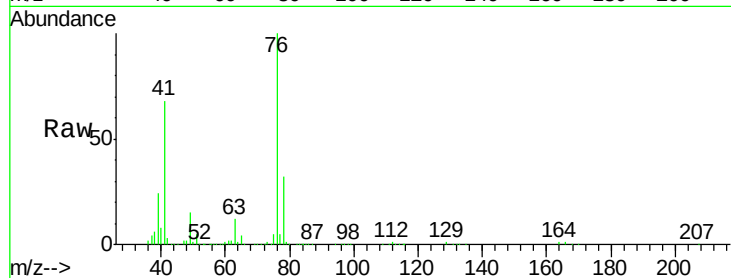
#57
 1,3-Dichloropropane
 Concen: 53.715 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

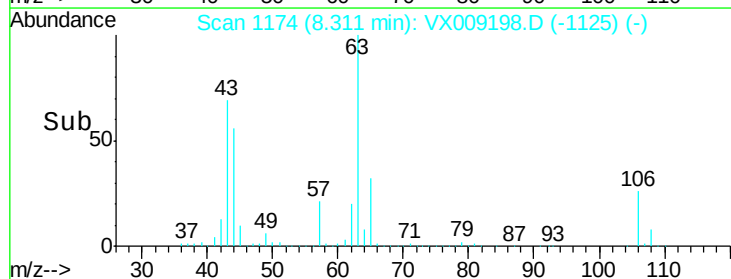
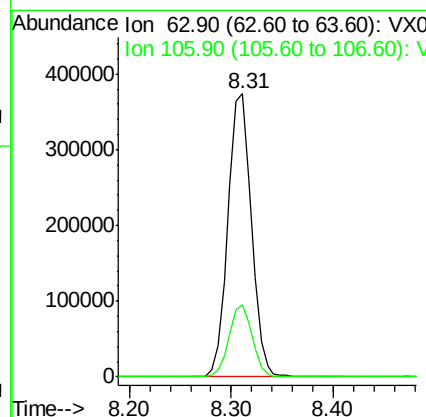
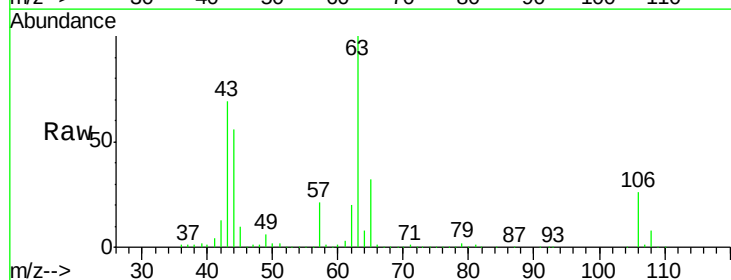
Manual Integrations
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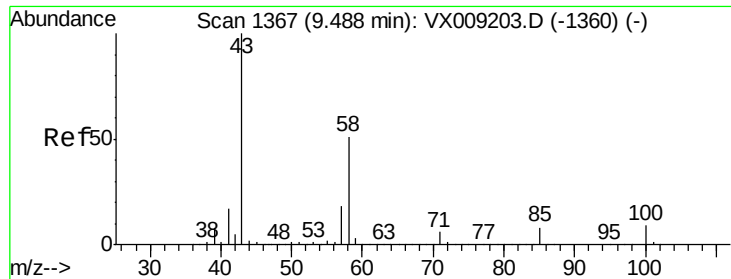
MMDadoda
 4/30/2019 11:03:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.761 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	19.7	29.5





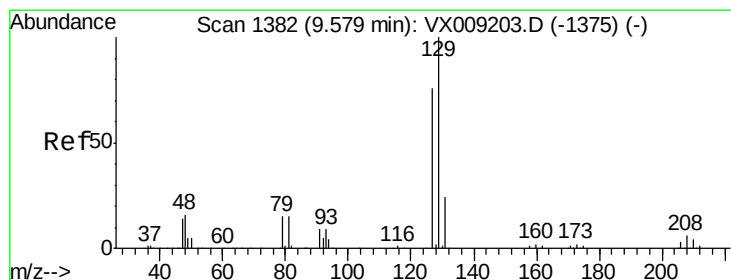
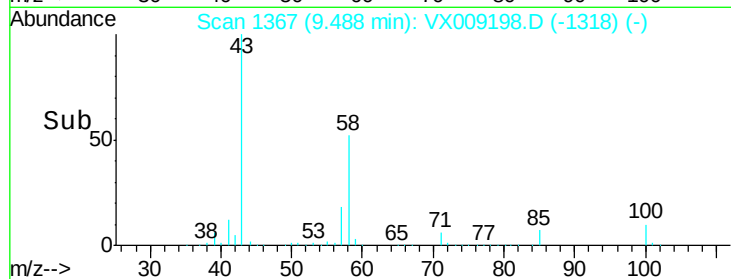
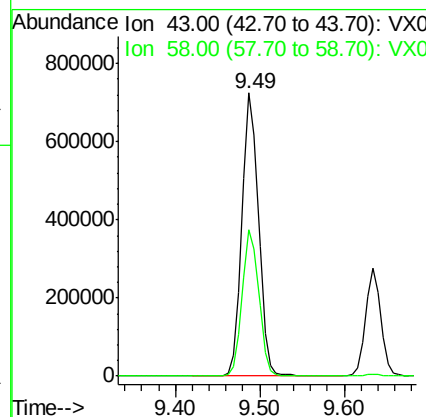
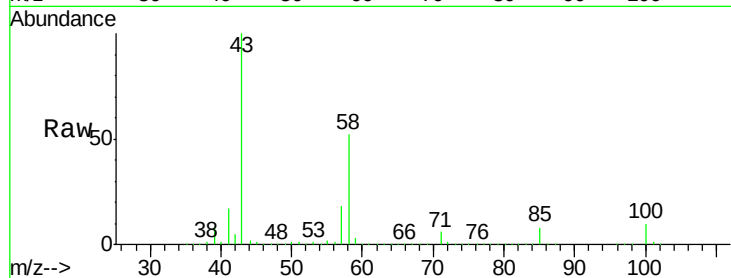
#59
2-Hexanone
Concen: 265.750 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 960690
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.7

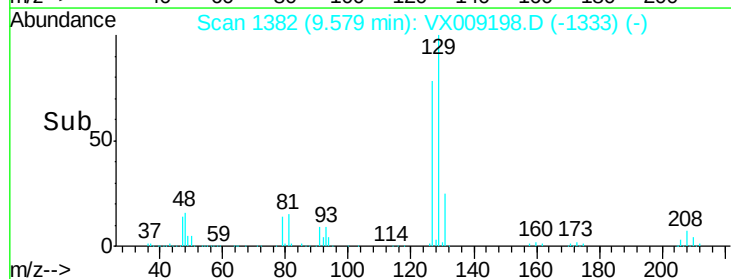
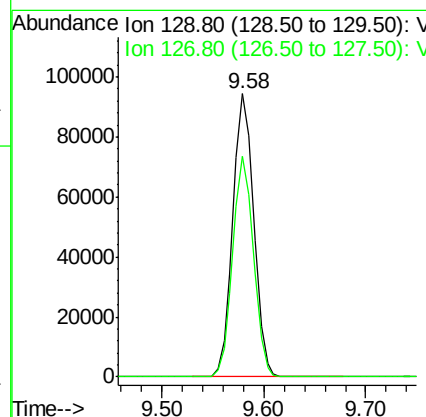
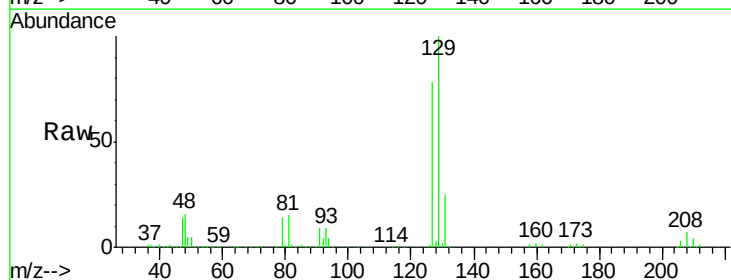
Manual Integrations
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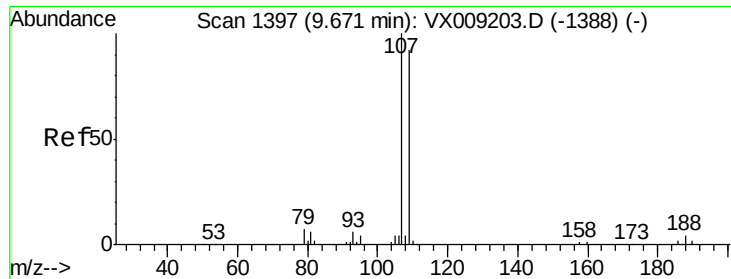
MMDadoda
4/30/2019 11:03:14 AM



#60
Dibromochloromethane
Concen: 56.563 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion: 129 Resp: 133976
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 54.656 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 133800

Ion Ratio Lower Upper

107 100

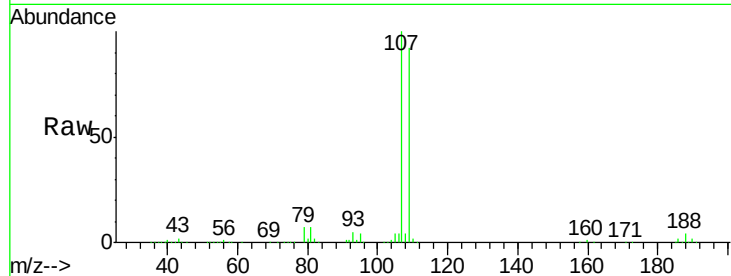
109 93.9 75.2 112.8

Manual Integrations

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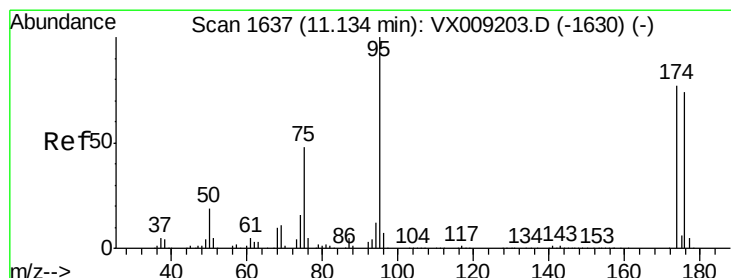
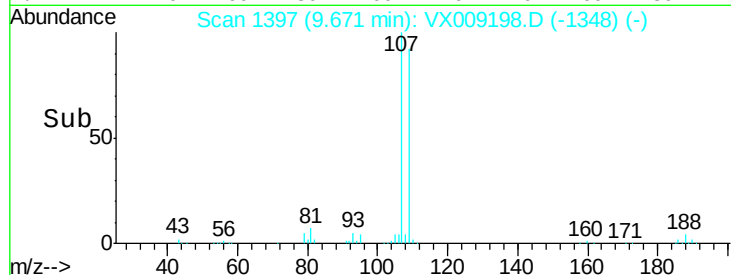
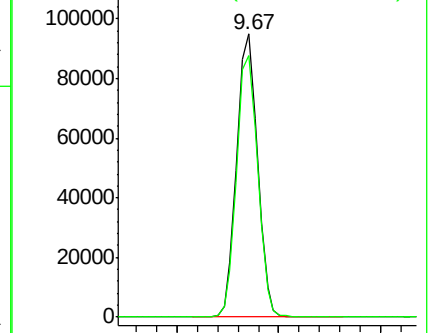
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.888 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

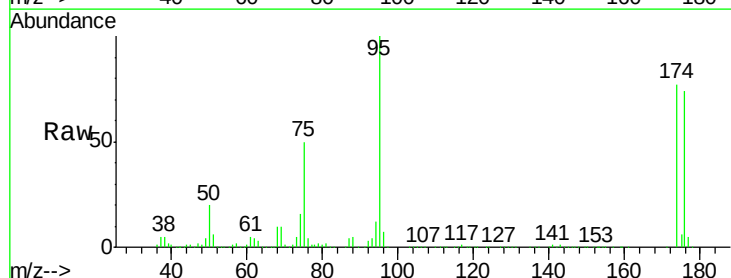
Tgt Ion: 95 Resp: 143886

Ion Ratio Lower Upper

95 100

174 80.5 0.0 161.6

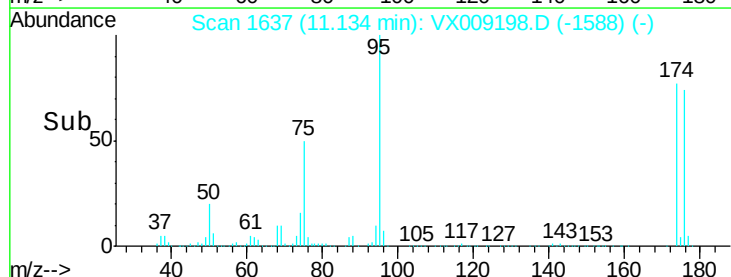
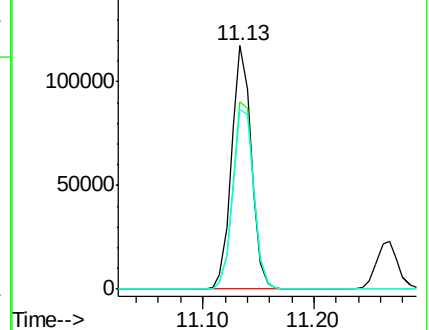
176 78.0 0.0 159.2

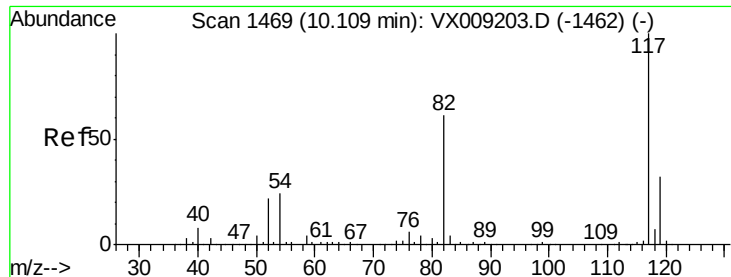


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





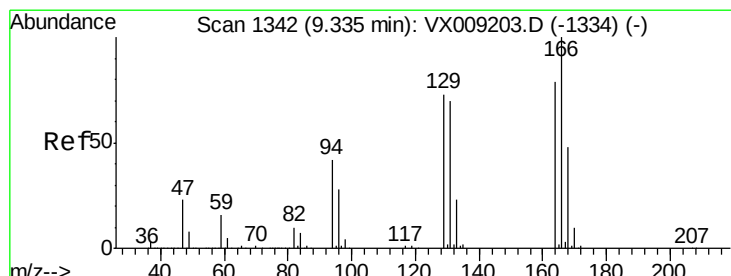
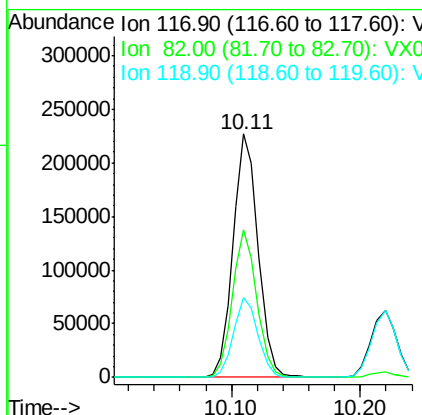
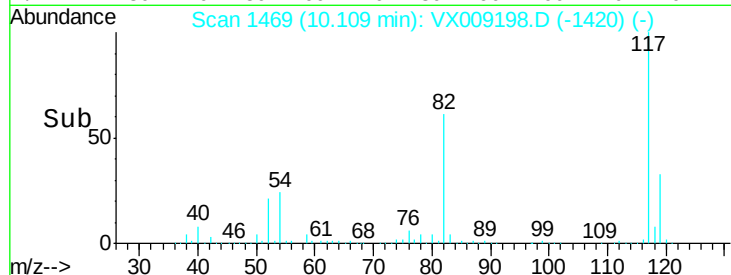
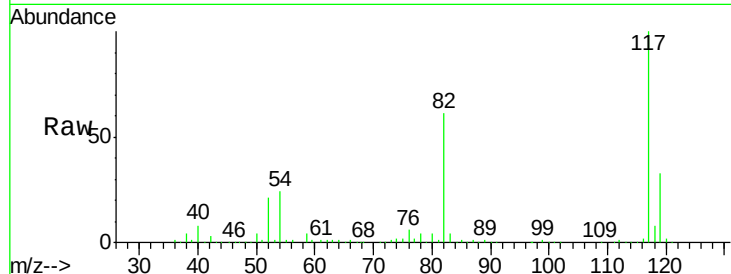
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.8	73.2
119	32.7	25.8	38.6

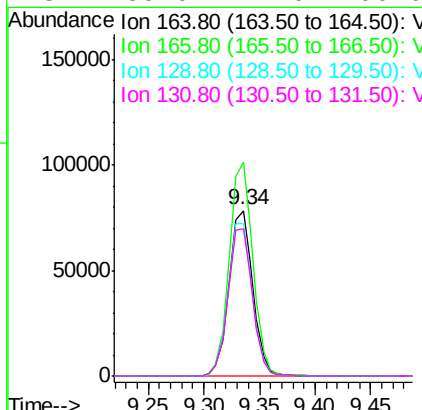
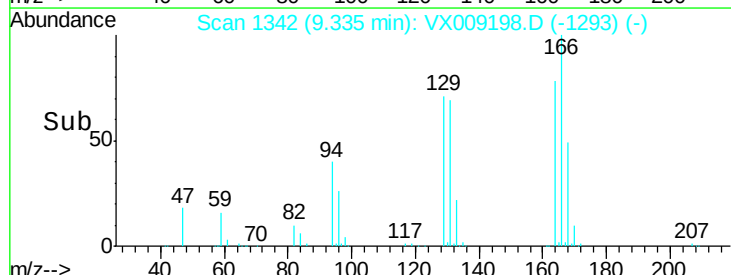
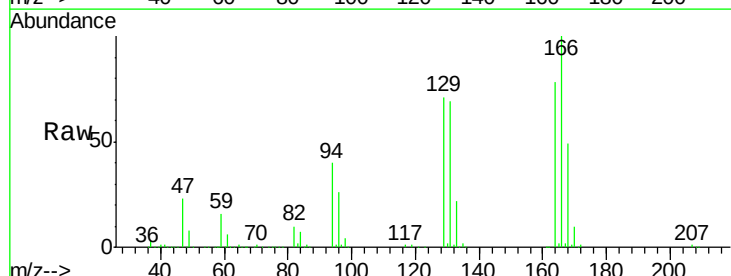
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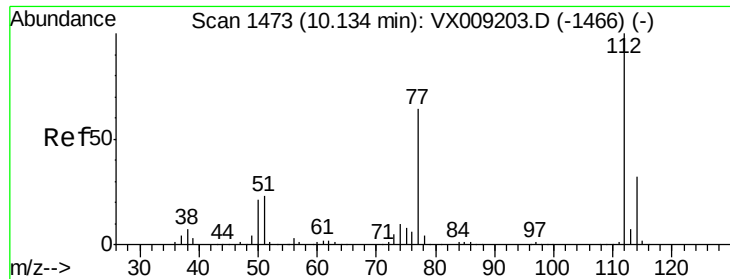
MMDadoda
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#64
Tetrachloroethene
Concen: 55.243 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.2	151.8
129	91.7	74.3	111.5
131	89.0	71.0	106.6





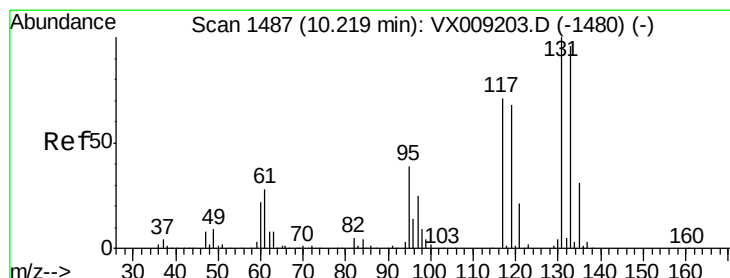
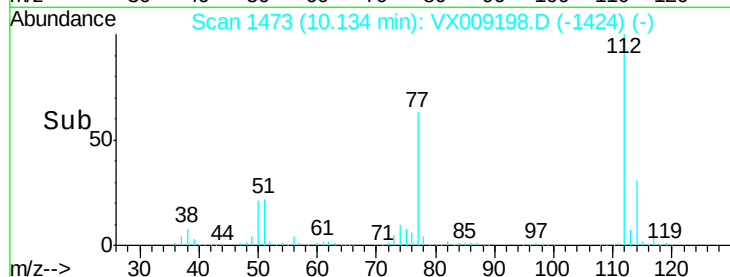
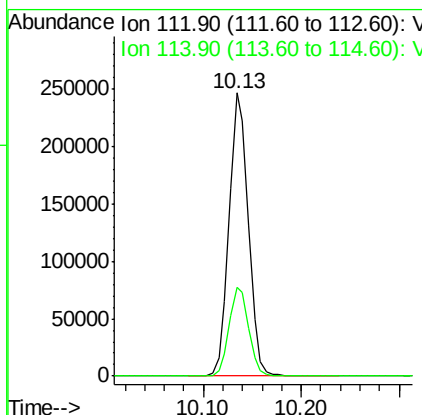
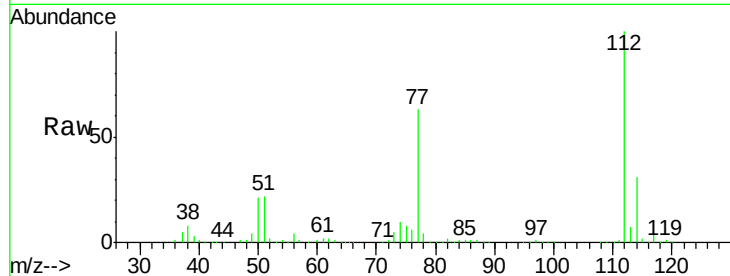
#65
Chlorobenzene
Concen: 54.835 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 336784
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3

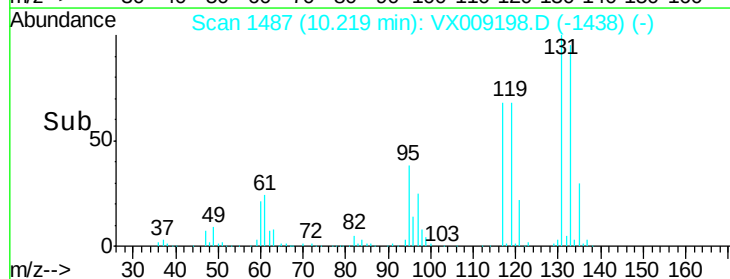
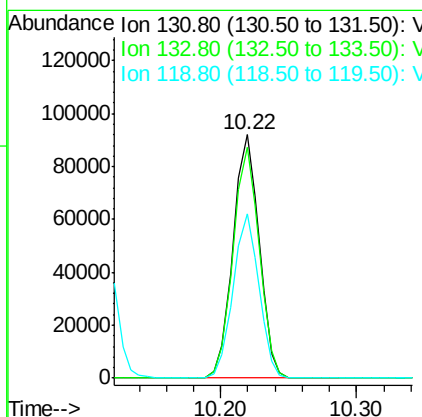
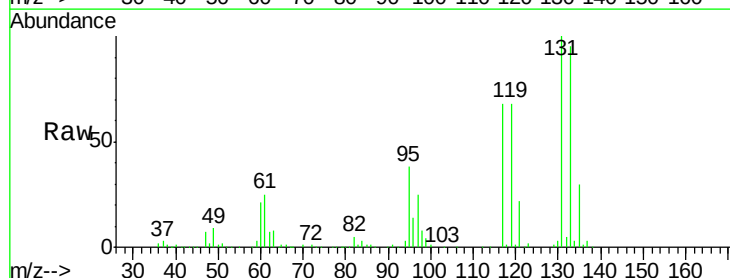
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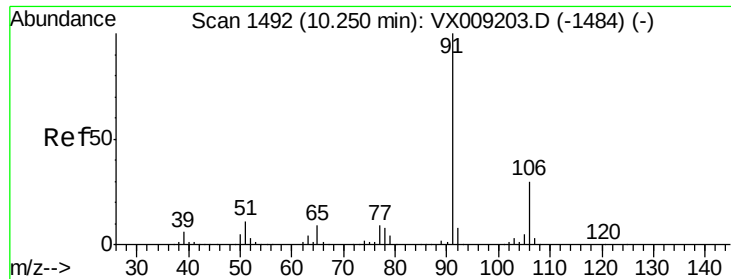
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.314 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion:131 Resp: 123166
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 66.9 33.5 100.4





#67

Ethyl Benzene

Concen: 55.674 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 629300

Ion Ratio Lower Upper

91 100

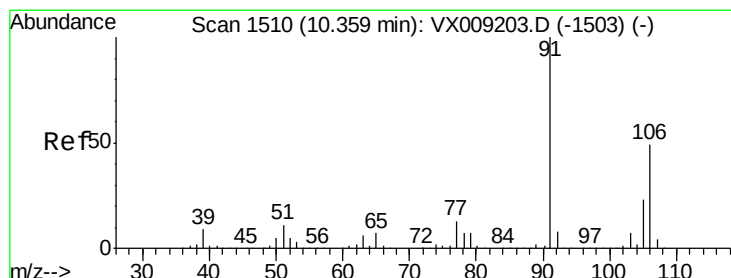
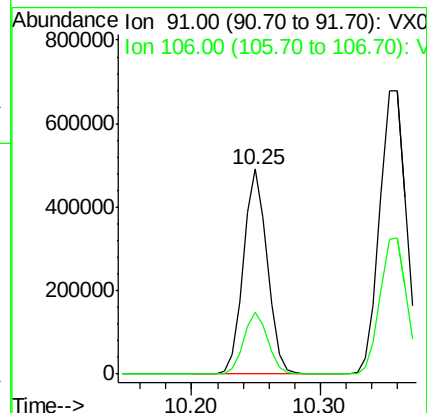
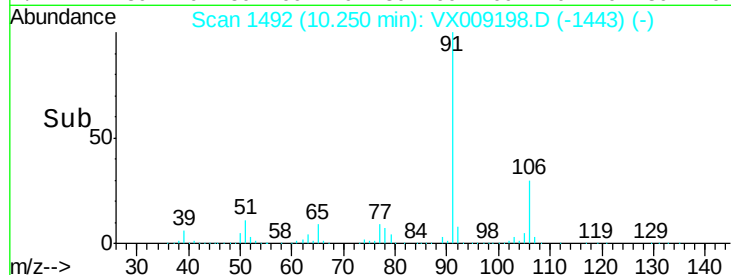
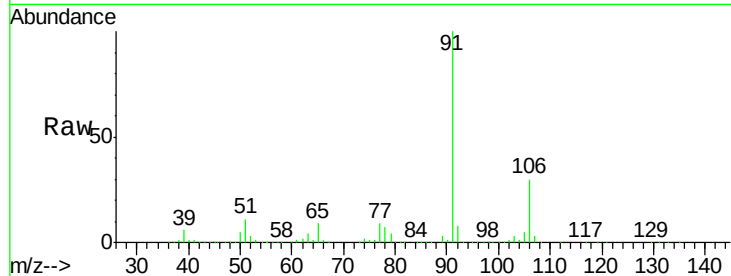
106 30.1 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 112.021 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009198.D

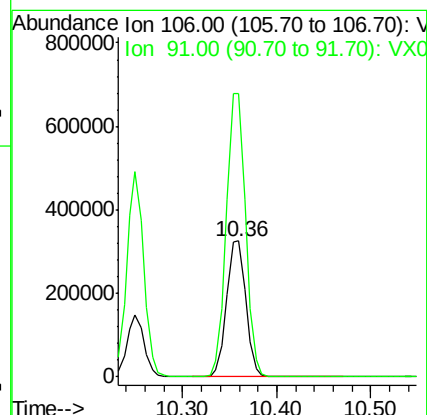
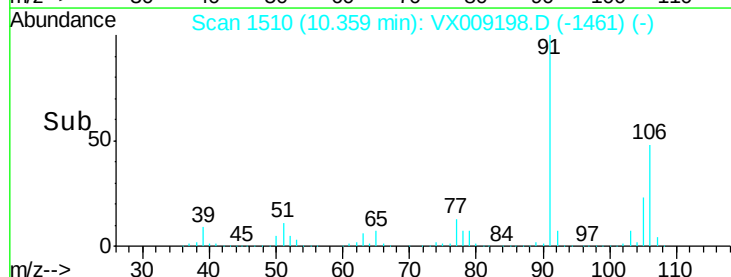
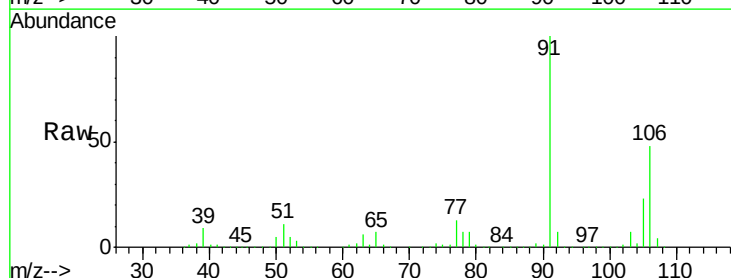
Acq: 29 Apr 2019 10:26

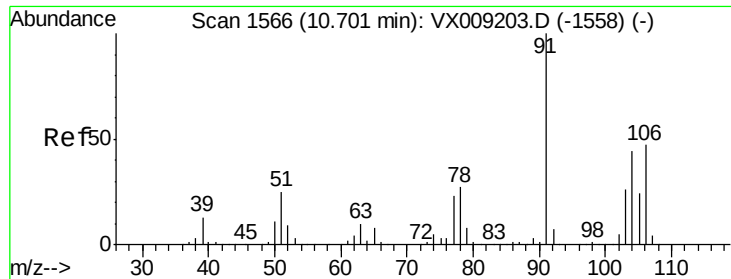
Tgt Ion: 106 Resp: 462707

Ion Ratio Lower Upper

106 100

91 208.2 164.0 246.0





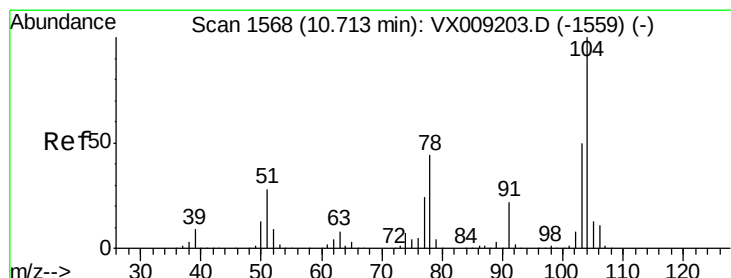
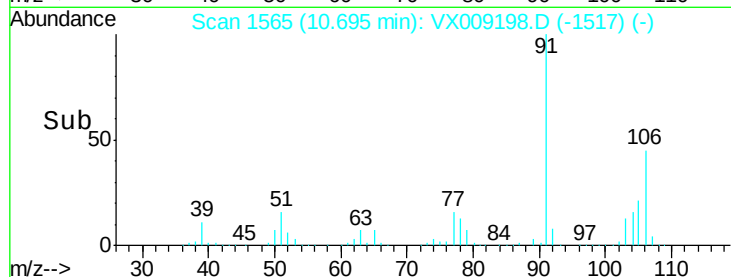
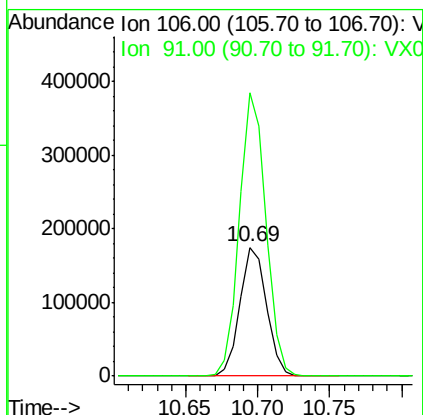
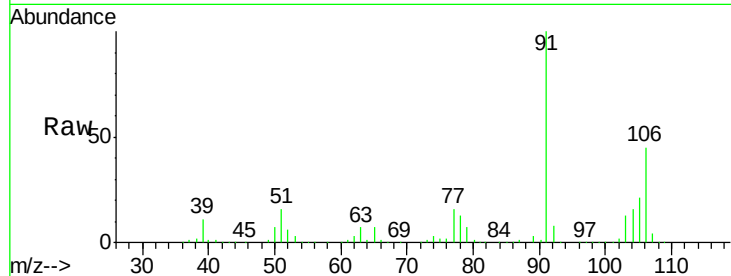
#69
o-Xylene
Concen: 55.296 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 225352
Ion Ratio Lower Upper
106 100
91 218.8 109.5 328.4

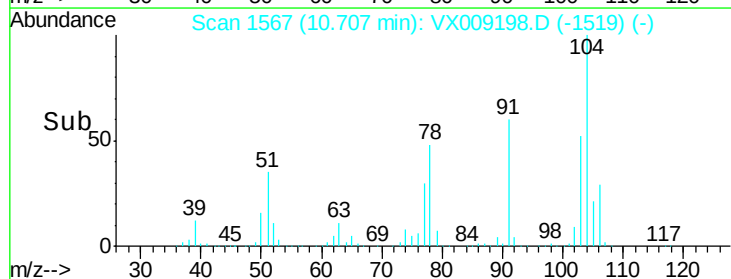
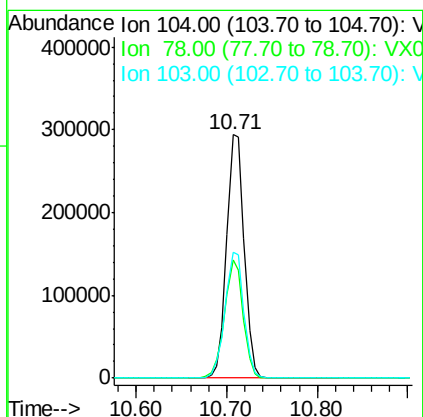
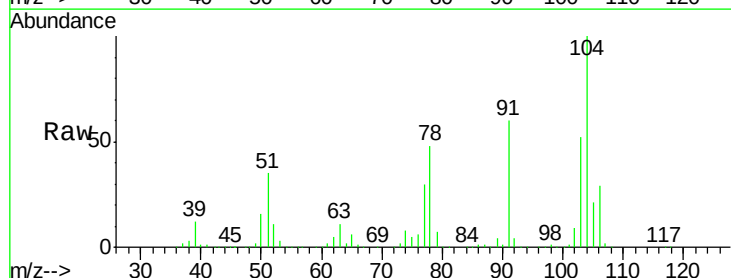
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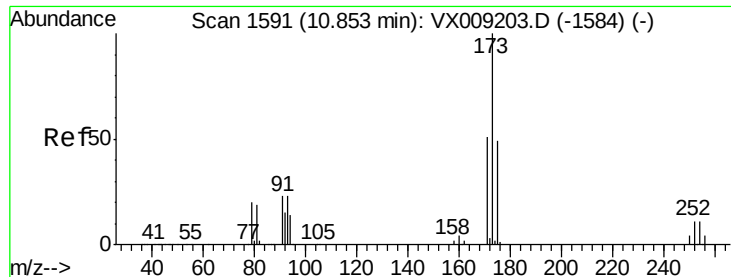
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#70
Styrene
Concen: 56.049 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion:104 Resp: 397017
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 55.5 43.8 65.6





#71

Bromoform

Concen: 56.382 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 102023

Ion Ratio Lower Upper

173 100

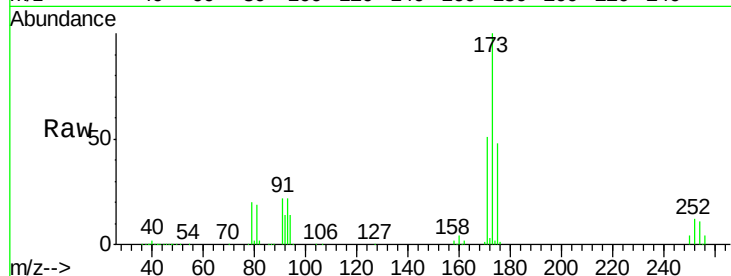
175 48.0 24.5 73.5

254 0.2 0.1 0.1#

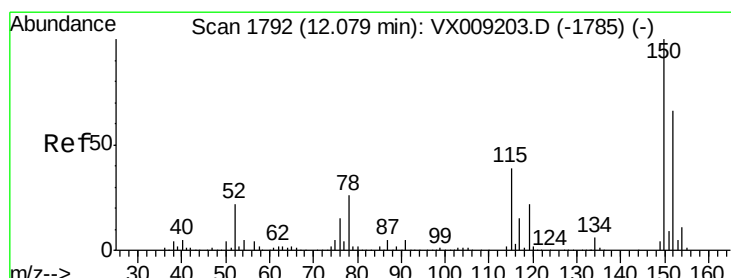
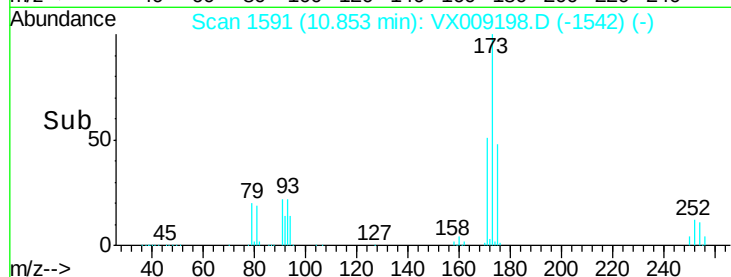
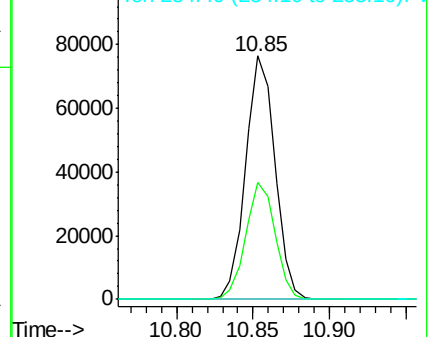
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

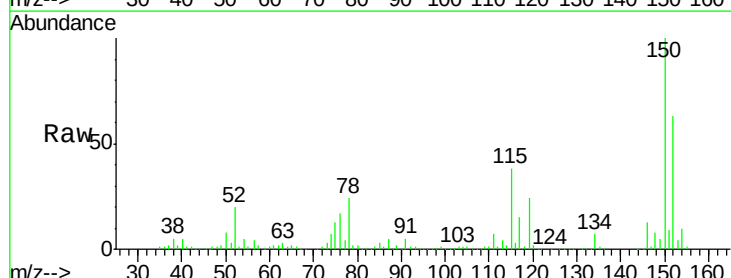
Tgt Ion:152 Resp: 154666

Ion Ratio Lower Upper

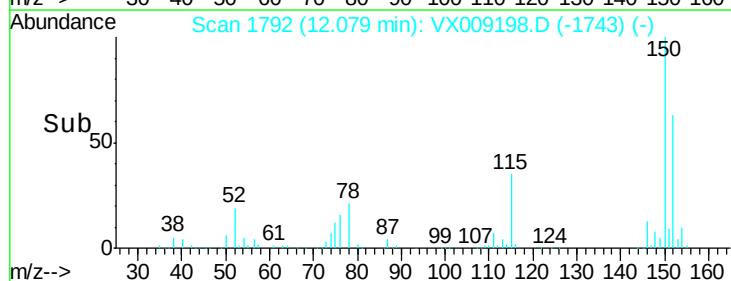
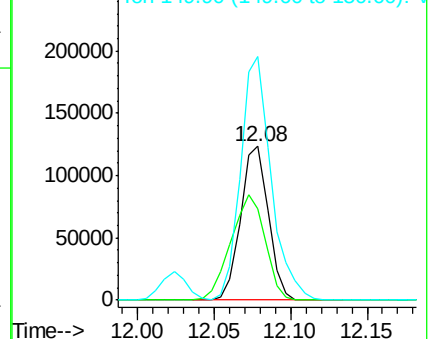
152 100

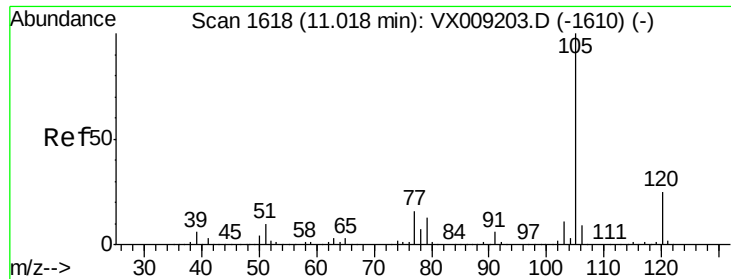
115 84.6 41.2 123.6

150 174.4 0.0 346.4



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: 53.871 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 605896

Ion Ratio Lower Upper

105 100

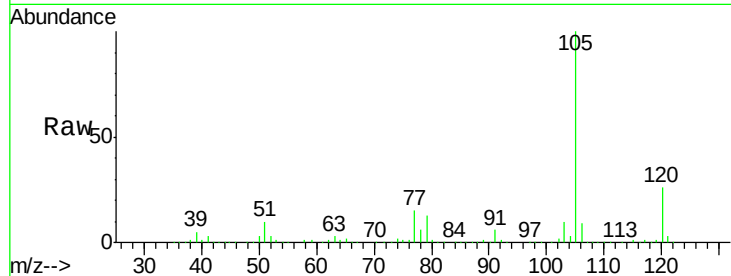
120 26.0 12.8 38.3

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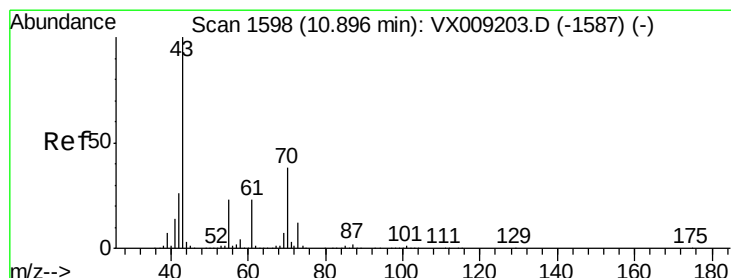
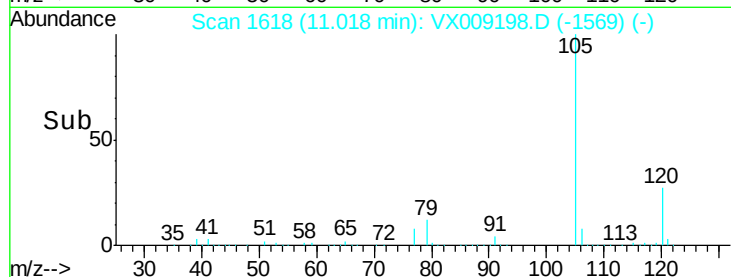
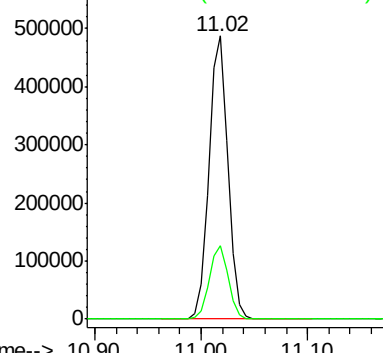
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.402 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion: 43 Resp: 350165

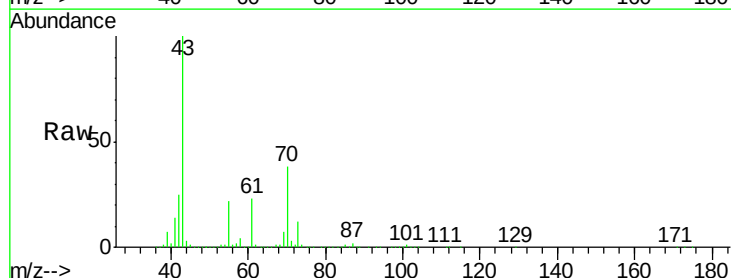
Ion Ratio Lower Upper

43 100

70 37.6 30.0 45.0

55 22.4 17.9 26.9

61 22.5 18.4 27.6

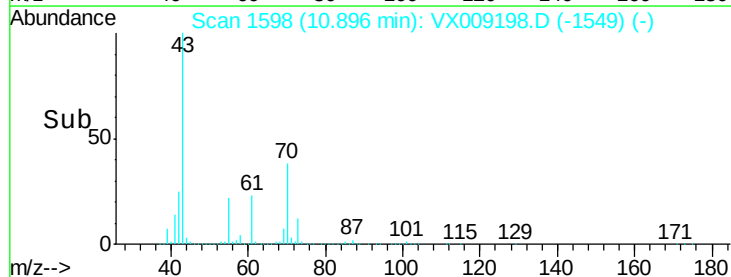
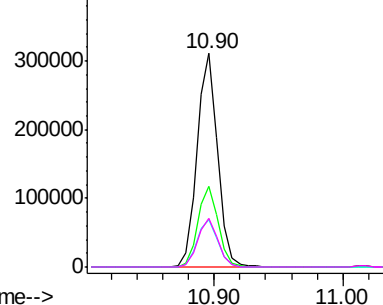


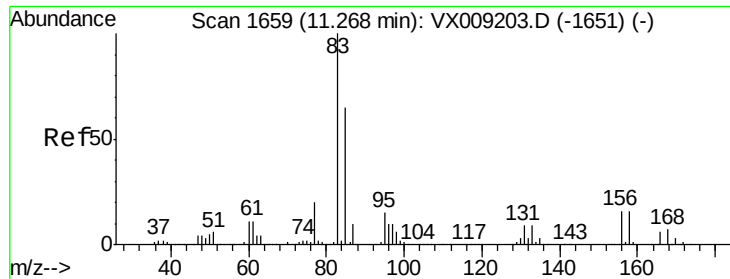
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.248 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

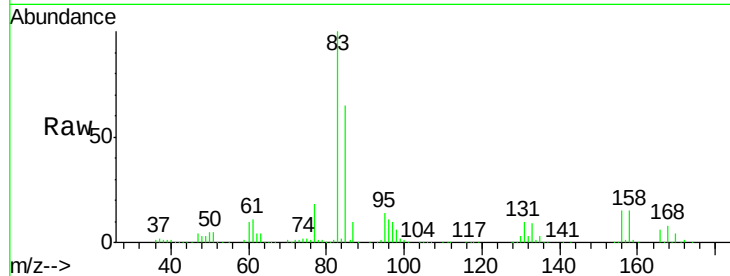
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	214869
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	63.8	32.0	96.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

200000

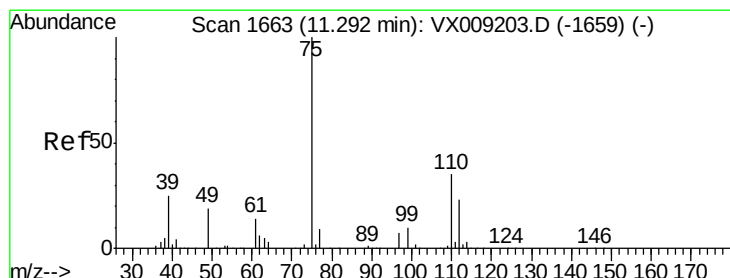
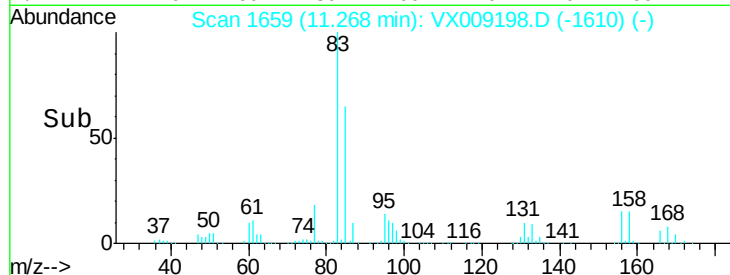
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 51.978 ug/l m

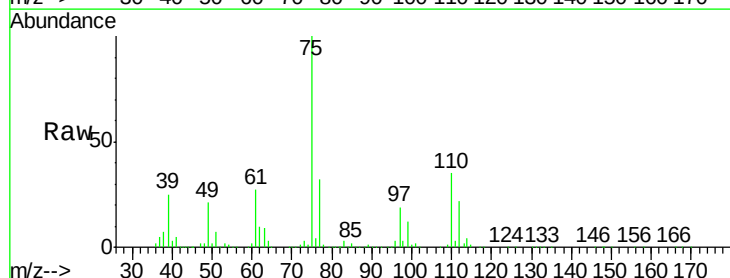
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion:	75	Resp:	186482
Ion Ratio	Lower	Upper	
75	100		
77	44.1	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

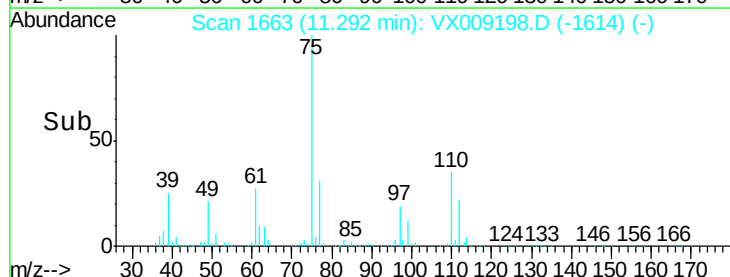
150000

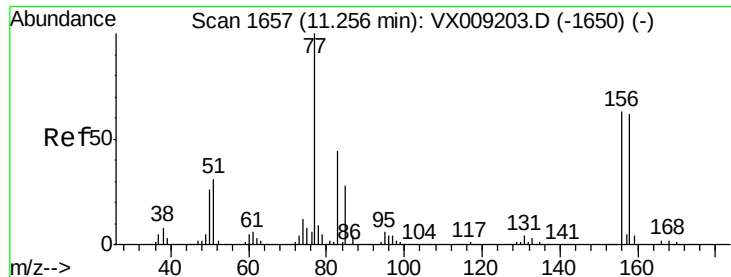
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 52.392 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

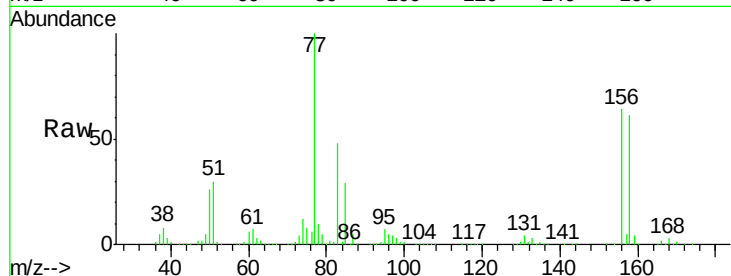
ClientSampled :

VSTDCCC050

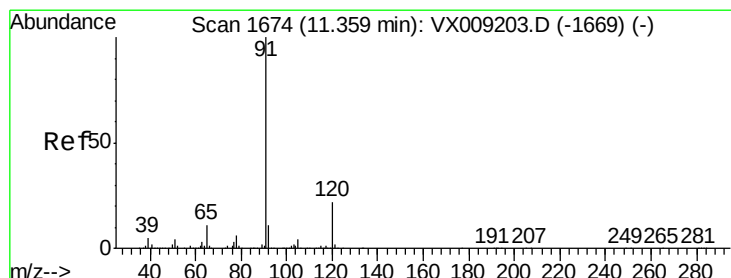
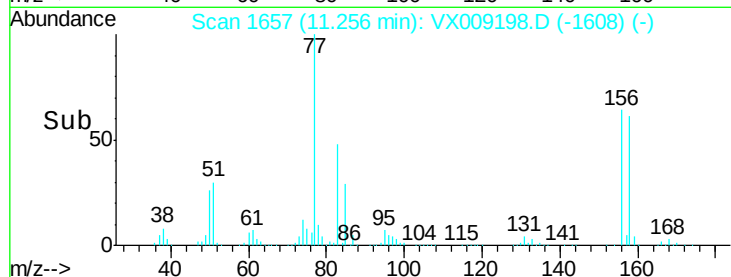
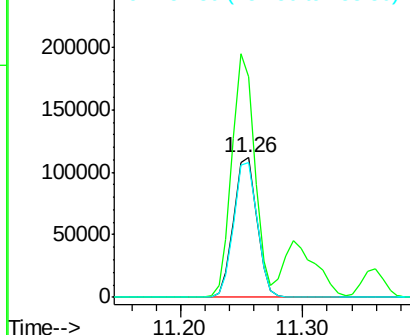
Tot Ion:	156	Resp:	146256
Ion Ratio	Lower	Upper	
156	100		
77	171.2	84.8	254.3
158	97.9	49.1	147.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.613 ug/l

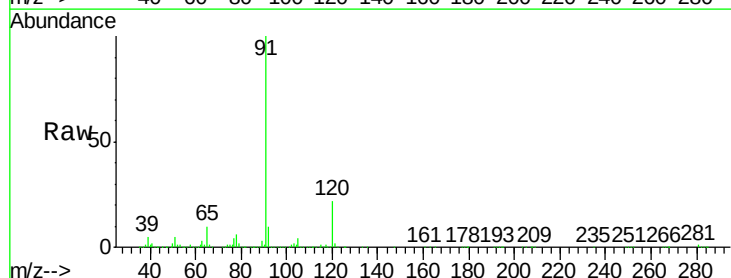
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

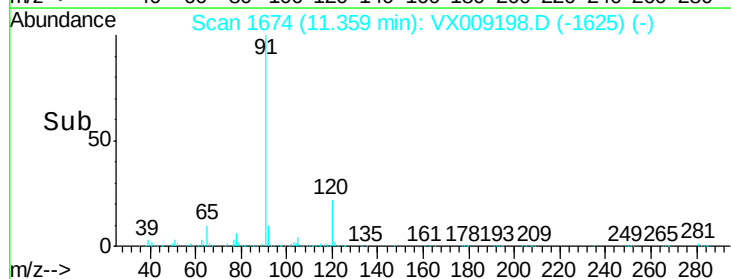
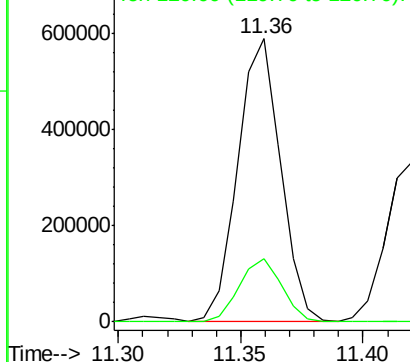
Lab File: VX009198.D

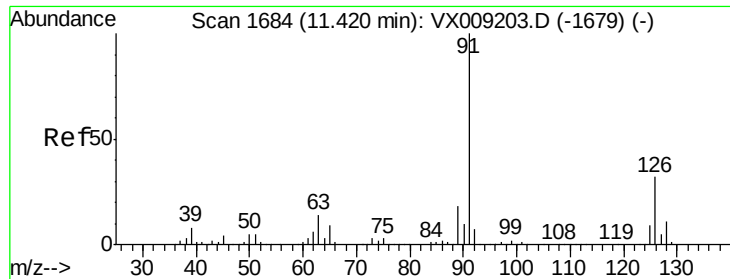
Acq: 29 Apr 2019 10:26

Tgt Ion:	91	Resp:	714340
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





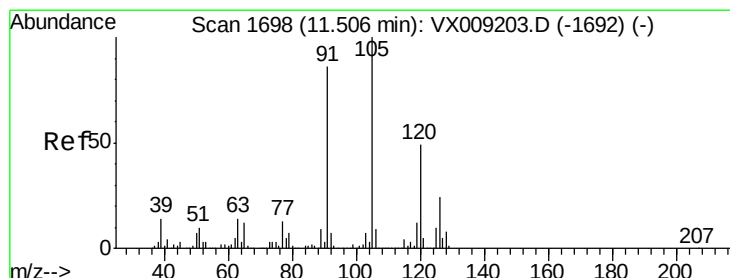
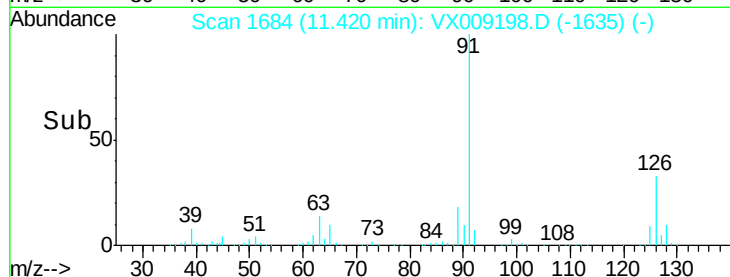
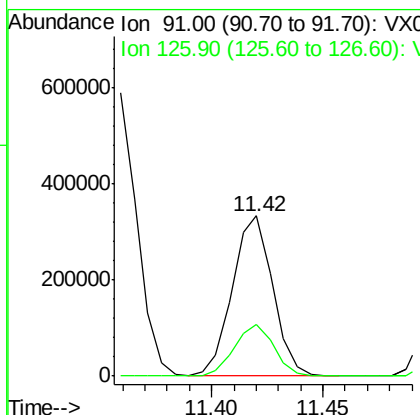
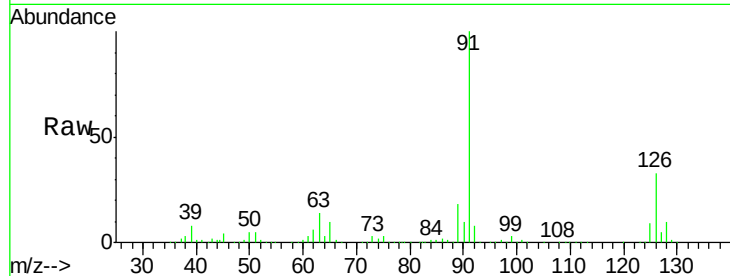
#79
 2-Chlorotoluene
 Concen: 52.942 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 419541
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.3 48.9

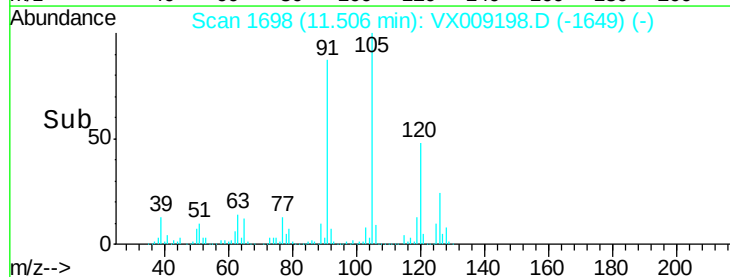
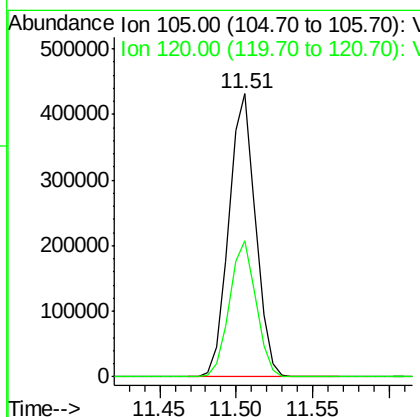
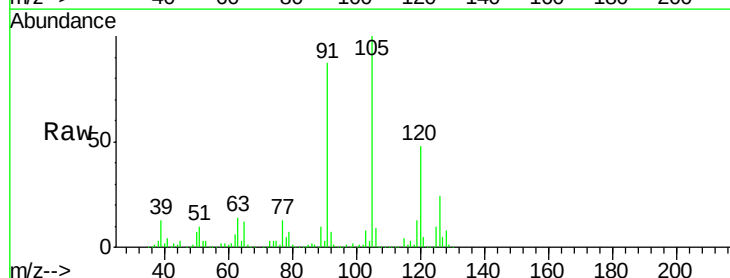
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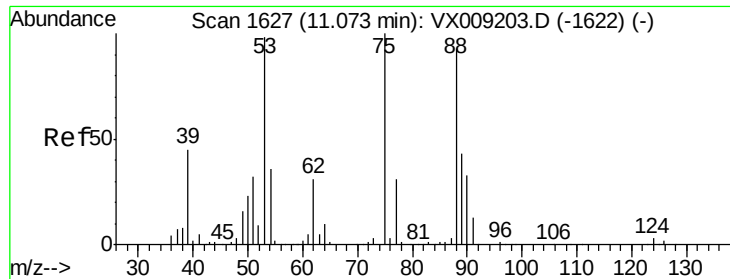
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.880 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion: 105 Resp: 519725
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.3 72.9





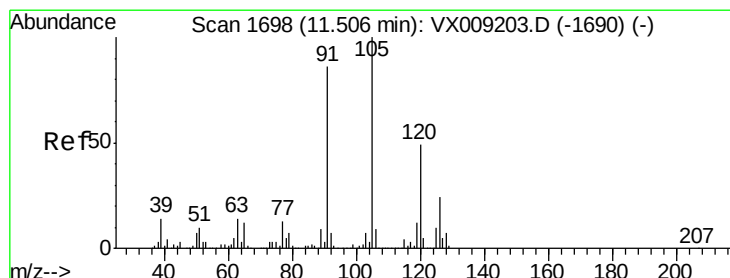
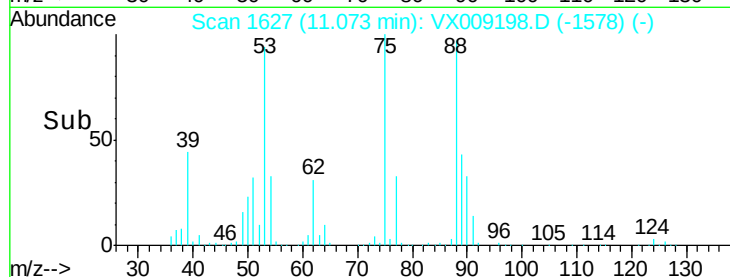
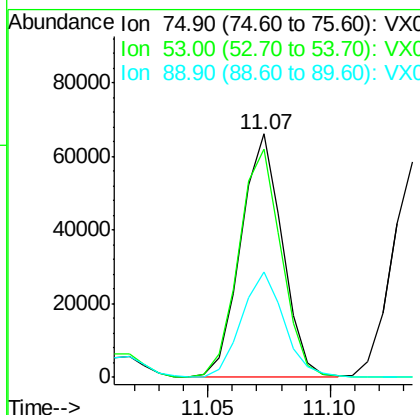
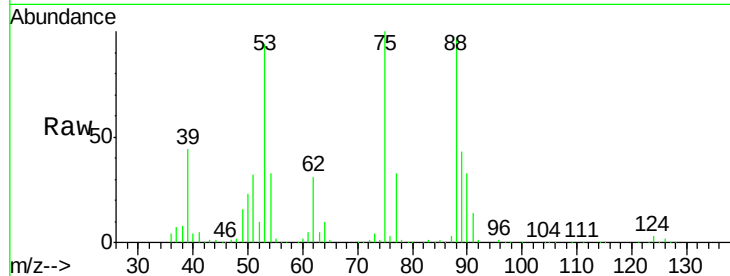
#81
trans-1,4-Dichloro-2-butene
Concen: 55.470 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.9	79.0	118.6
89	44.5	34.7	52.1

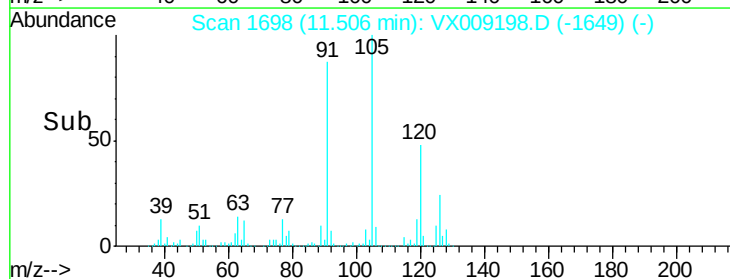
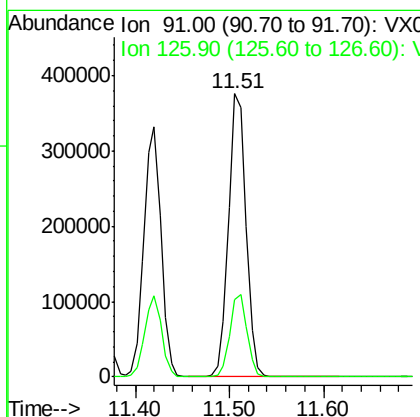
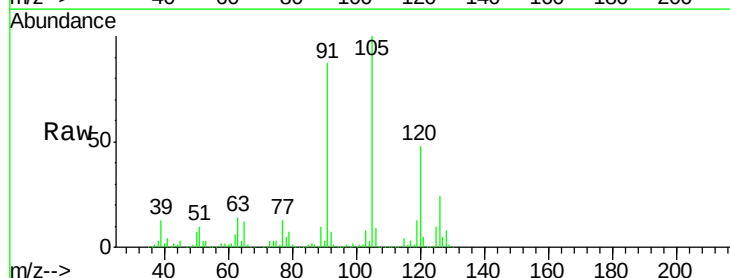
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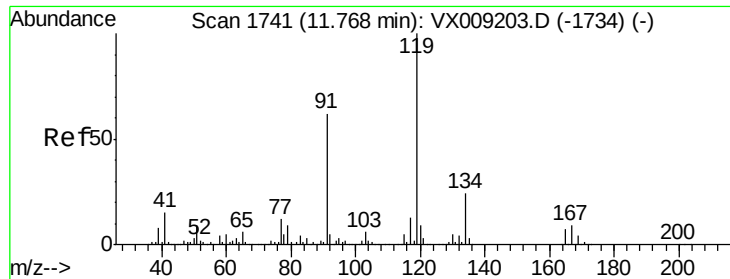
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#82
4-Chlorotoluene
Concen: 54.314 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009198.D
Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.5	43.6





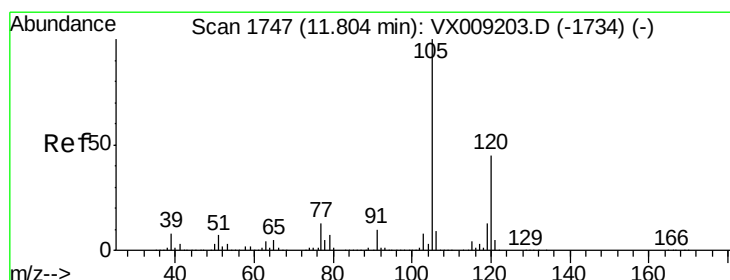
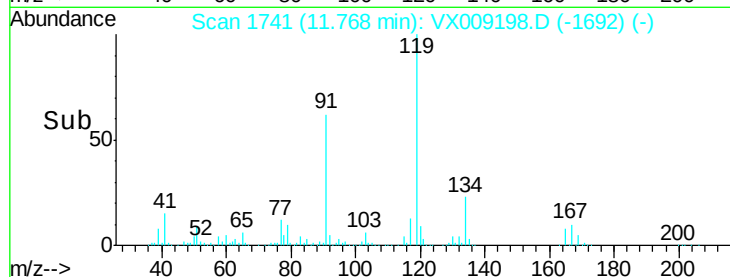
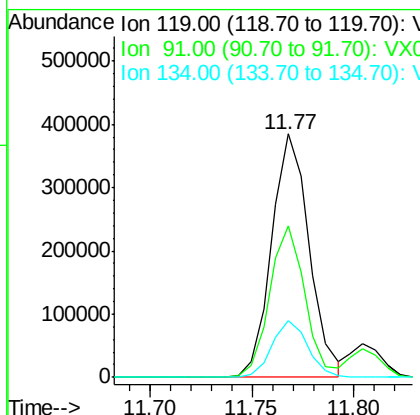
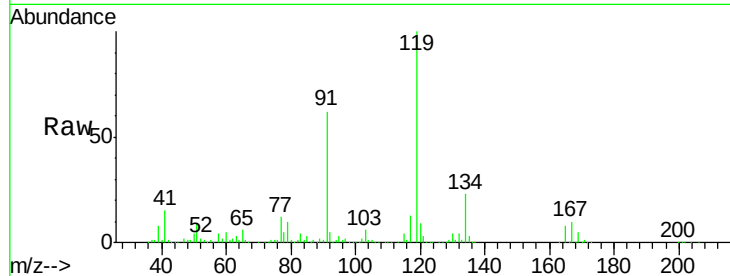
#83
 tert-Butylbenzene
 Concen: 53.708 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.5	88.5
134	22.2	11.4	34.1

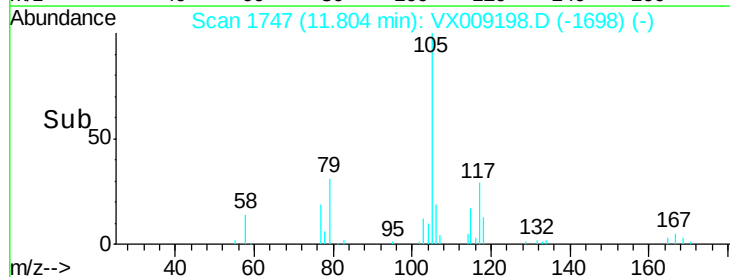
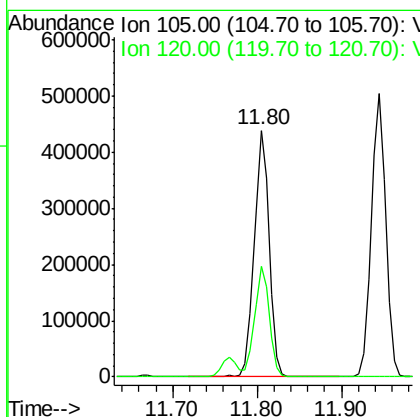
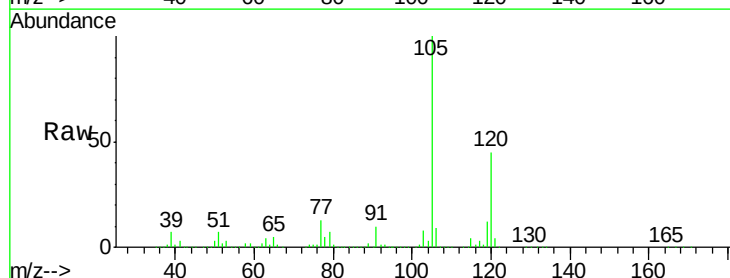
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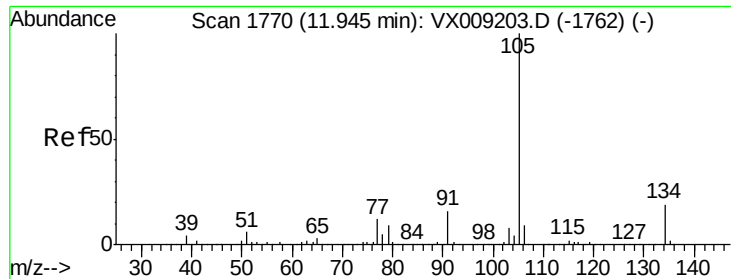
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.943 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.0	66.0





#85

sec-Butylbenzene

Concen: 54.779 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 598298

Ion Ratio Lower Upper

105 100

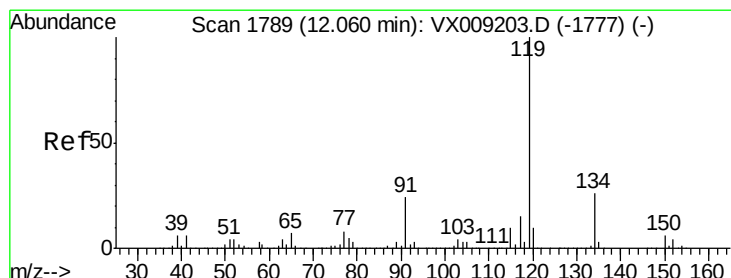
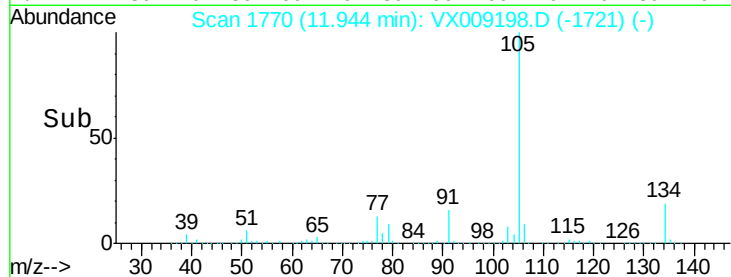
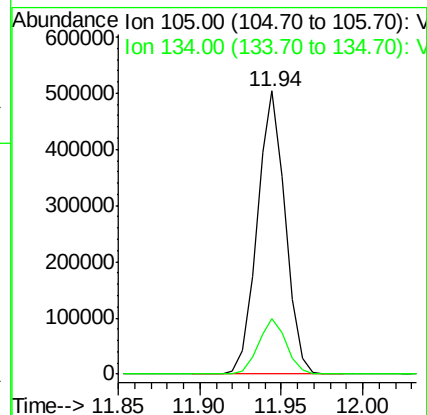
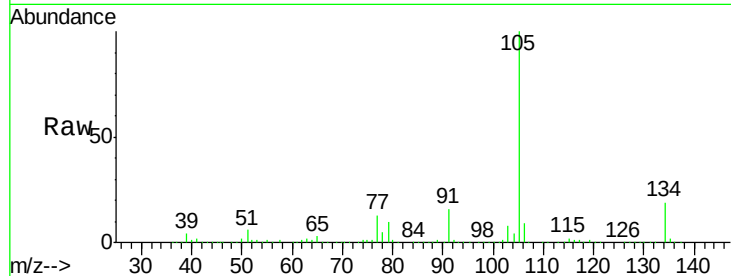
134 19.5 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.084 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

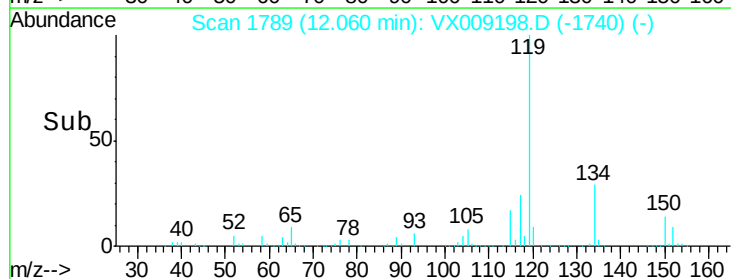
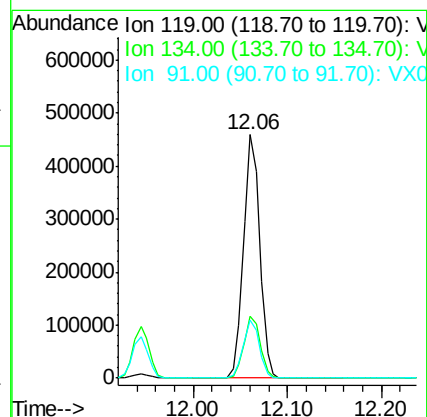
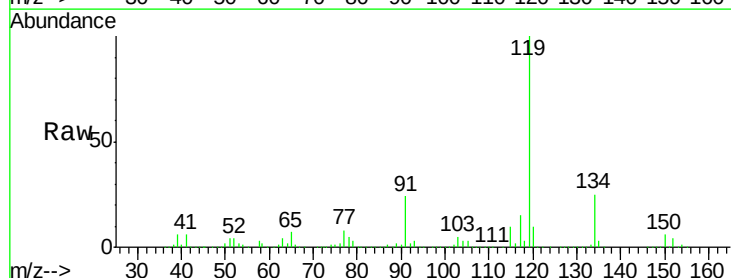
Tgt Ion:119 Resp: 550686

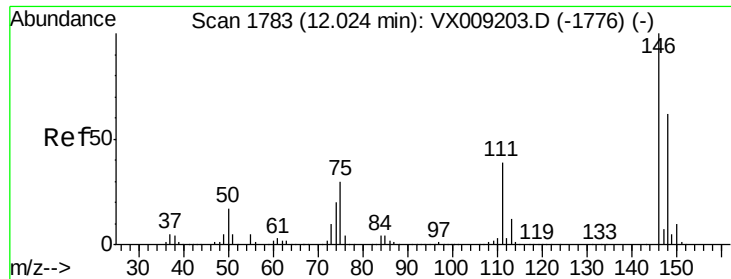
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.6 11.8 35.4





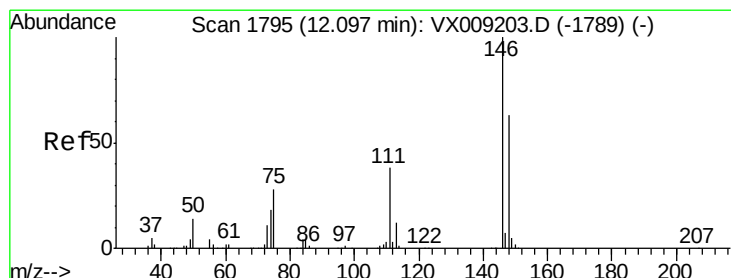
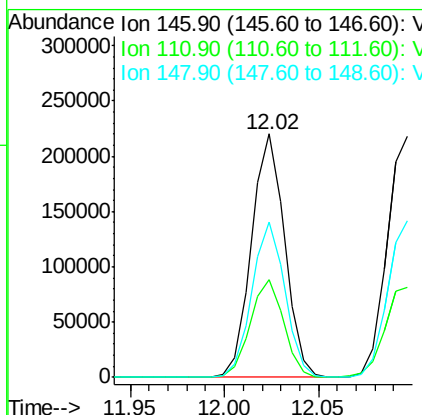
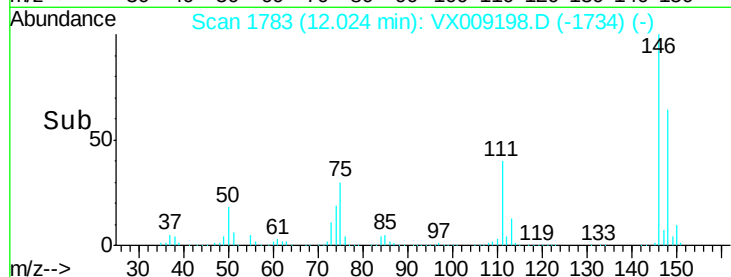
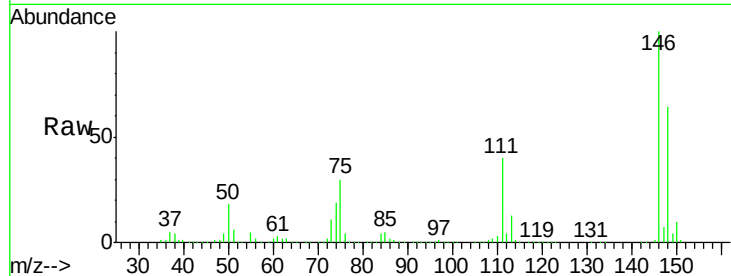
#87
 1,3-Dichlorobenzene
 Concen: 54.085 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.5	31.8	95.3

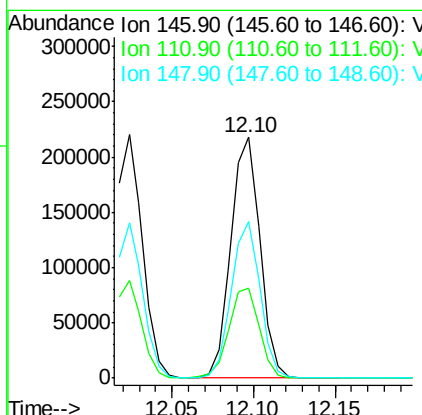
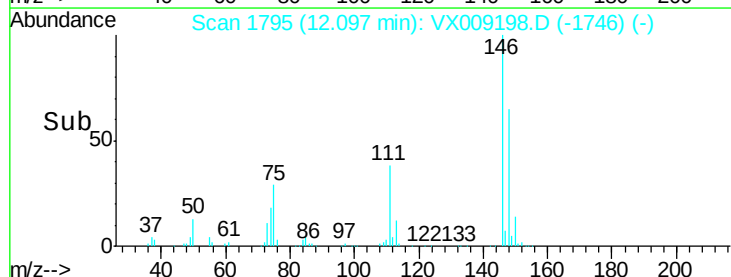
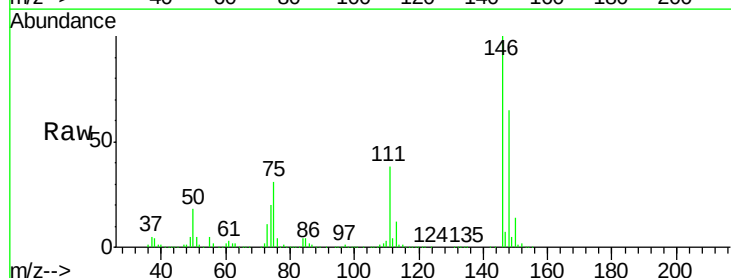
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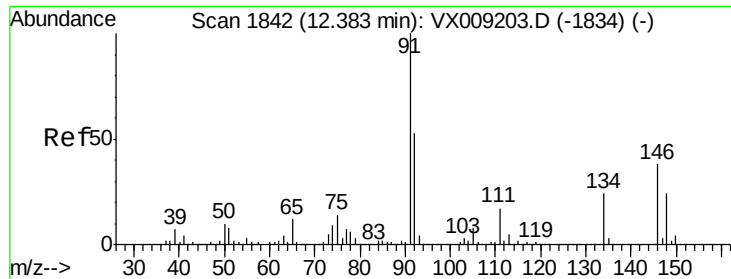
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#88
 1,4-Dichlorobenzene
 Concen: 53.731 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.8
148	64.2	31.8	95.3





#89

n-Butylbenzene

Concen: 58.191 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

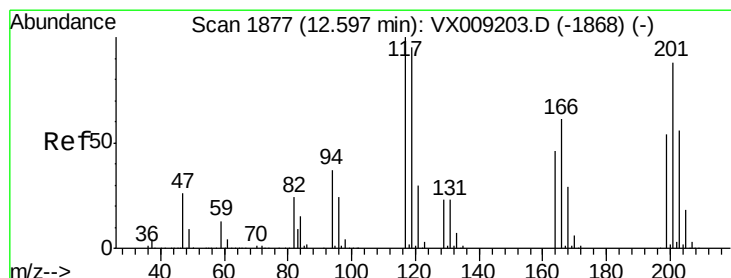
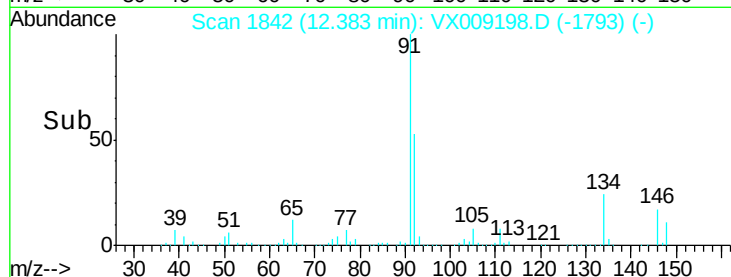
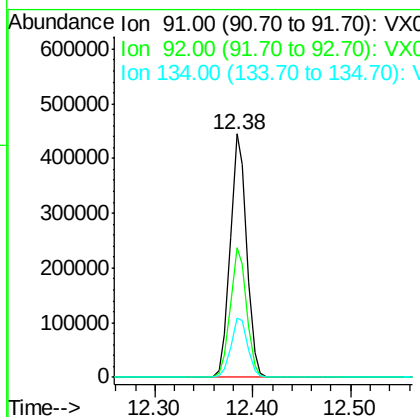
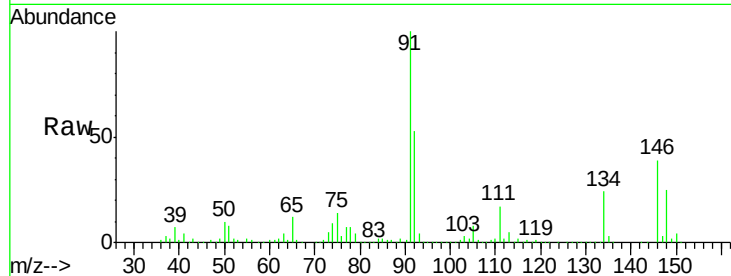
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	516430
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.5	79.5
134	25.0	12.4	37.2

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#90

Hexachloroethane

Concen: 55.888 ug/l

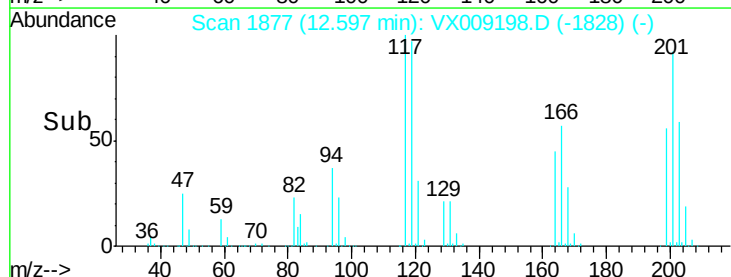
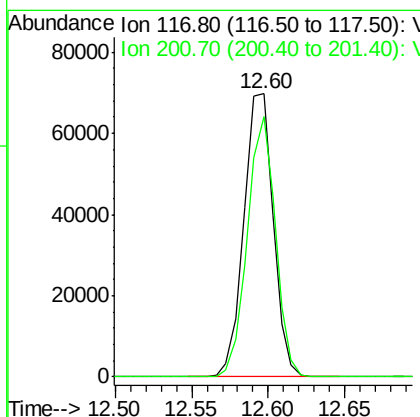
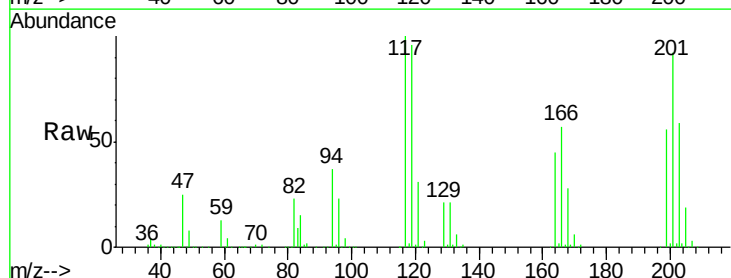
RT: 12.60 min Scan# 1877

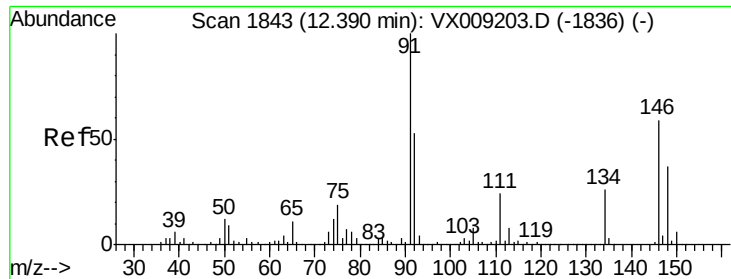
Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion:	117	Resp:	93491
Ion Ratio	Lower	Upper	
117	100		
201	87.4	42.3	126.9





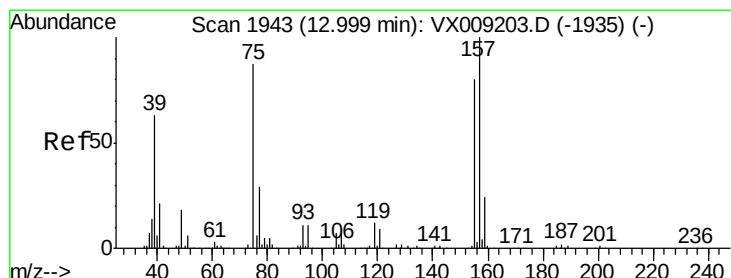
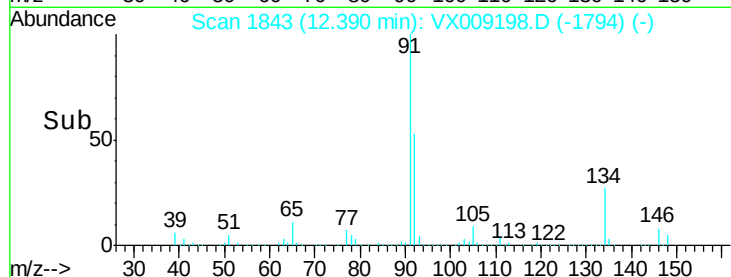
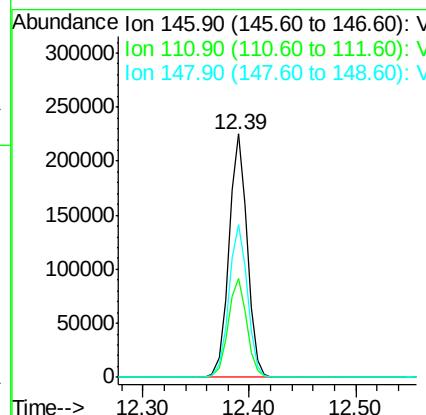
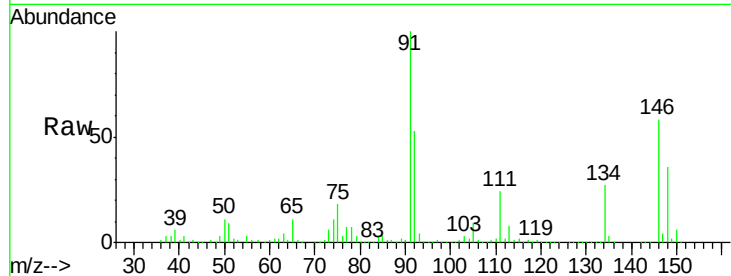
#91
 1,2-Dichlorobenzene
 Concen: 53.213 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	63.8	31.9	95.9

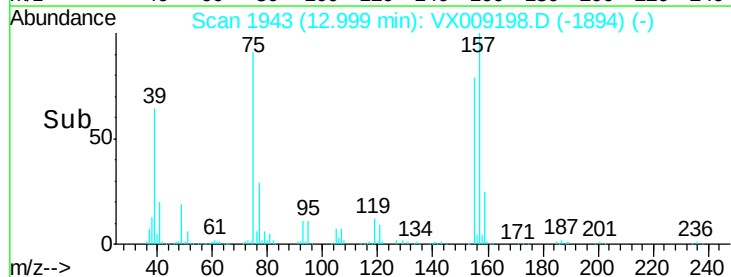
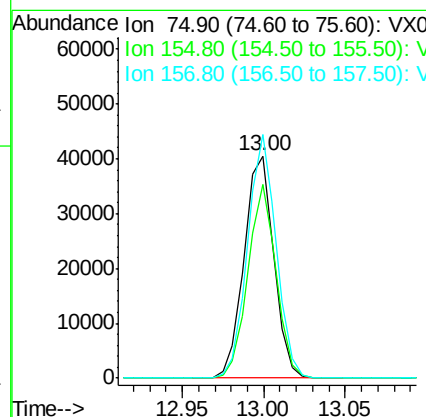
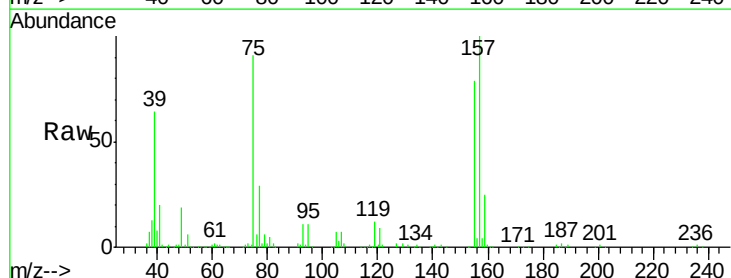
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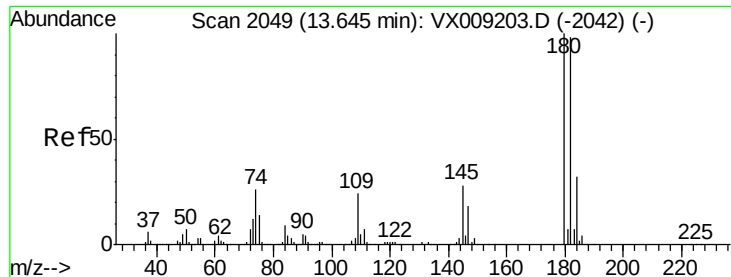
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.845 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	42.0	126.0
157	105.1	53.2	159.6





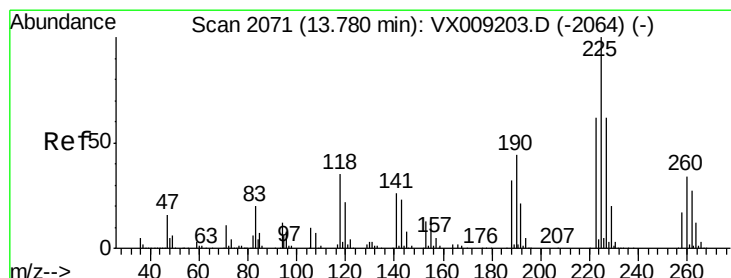
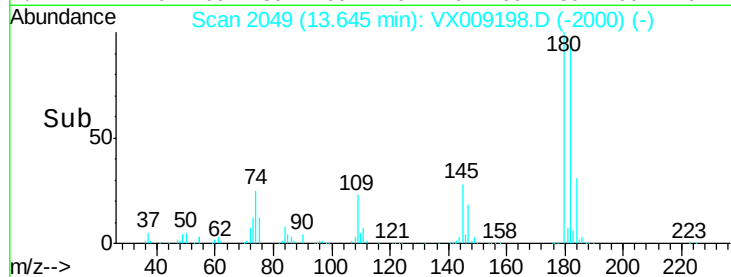
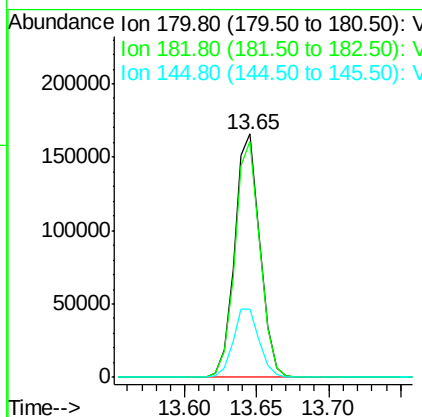
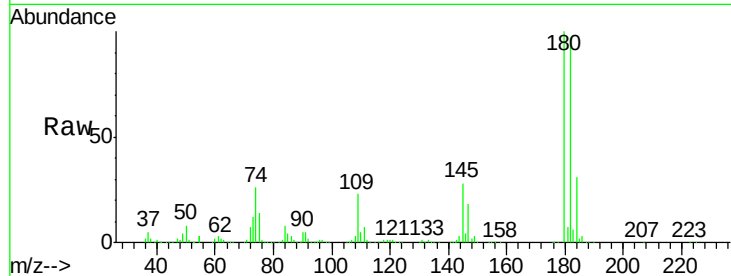
#93
 1,2,4-Trichlorobenzene
 Concen: 58.302 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	202088
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.4	145.2
145	29.3	14.6	43.8

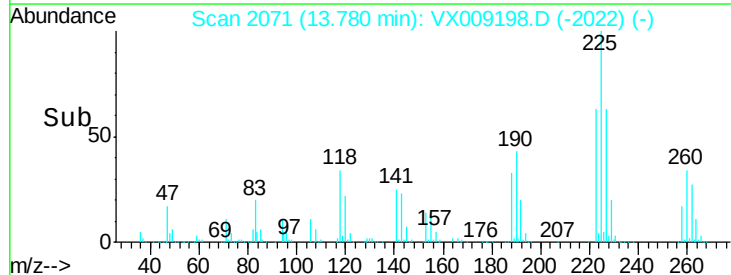
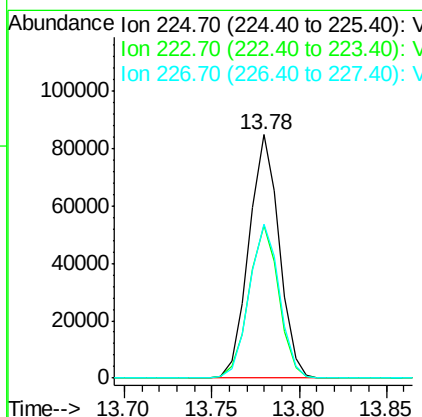
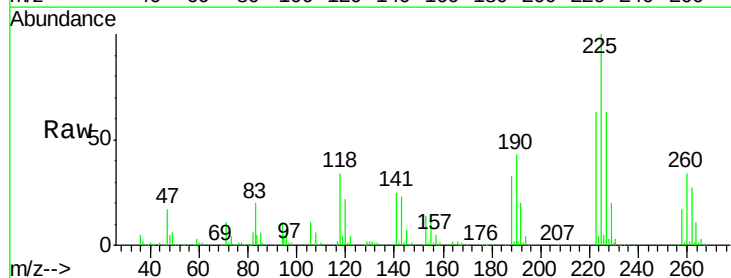
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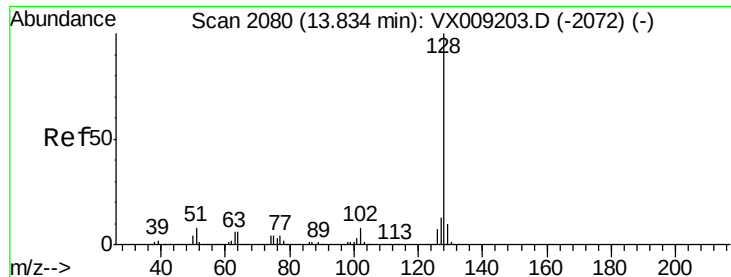
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#94
 Hexachlorobutadiene
 Concen: 57.363 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009198.D
 Acq: 29 Apr 2019 10:26

Tgt Ion:	225	Resp:	101536
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.3	93.8
227	63.2	31.8	95.3





#95

Naphthalene

Concen: 56.539 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Instrument :

MSVOA_X

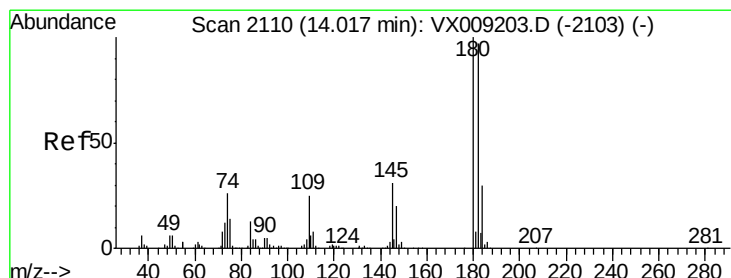
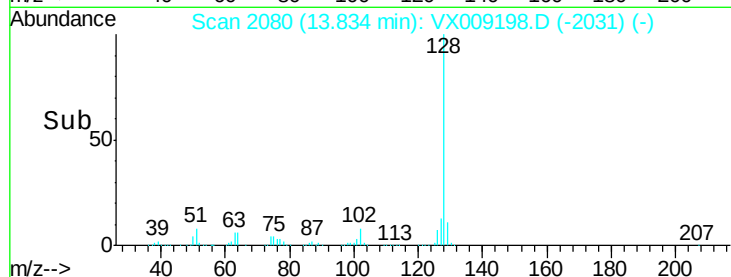
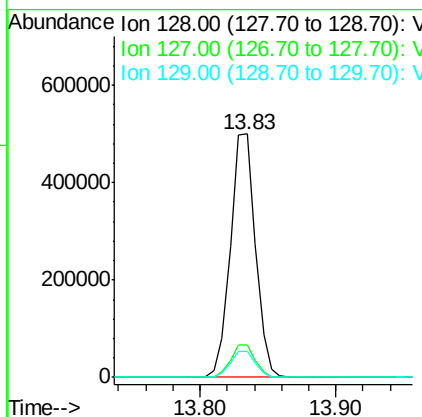
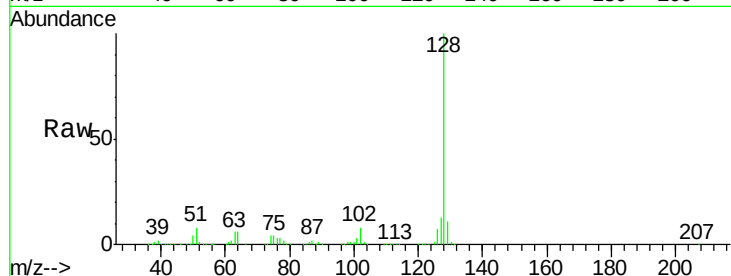
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	637595
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 57.576 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009198.D

Acq: 29 Apr 2019 10:26

Tgt Ion:	180	Resp:	202298
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.8	143.4
145	30.7	15.4	46.4

