

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\
 Data File : VX013130.D
 Acq On : 18 Oct 2019 16:21
 Operator : JC/SP
 Sample : K5450-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0330

Quant Time: Oct 18 23:58:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	169220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	270088	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93181	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	102563	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	5.49	113	80133	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	8.71	98	315428	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	11.13	95	105082	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	

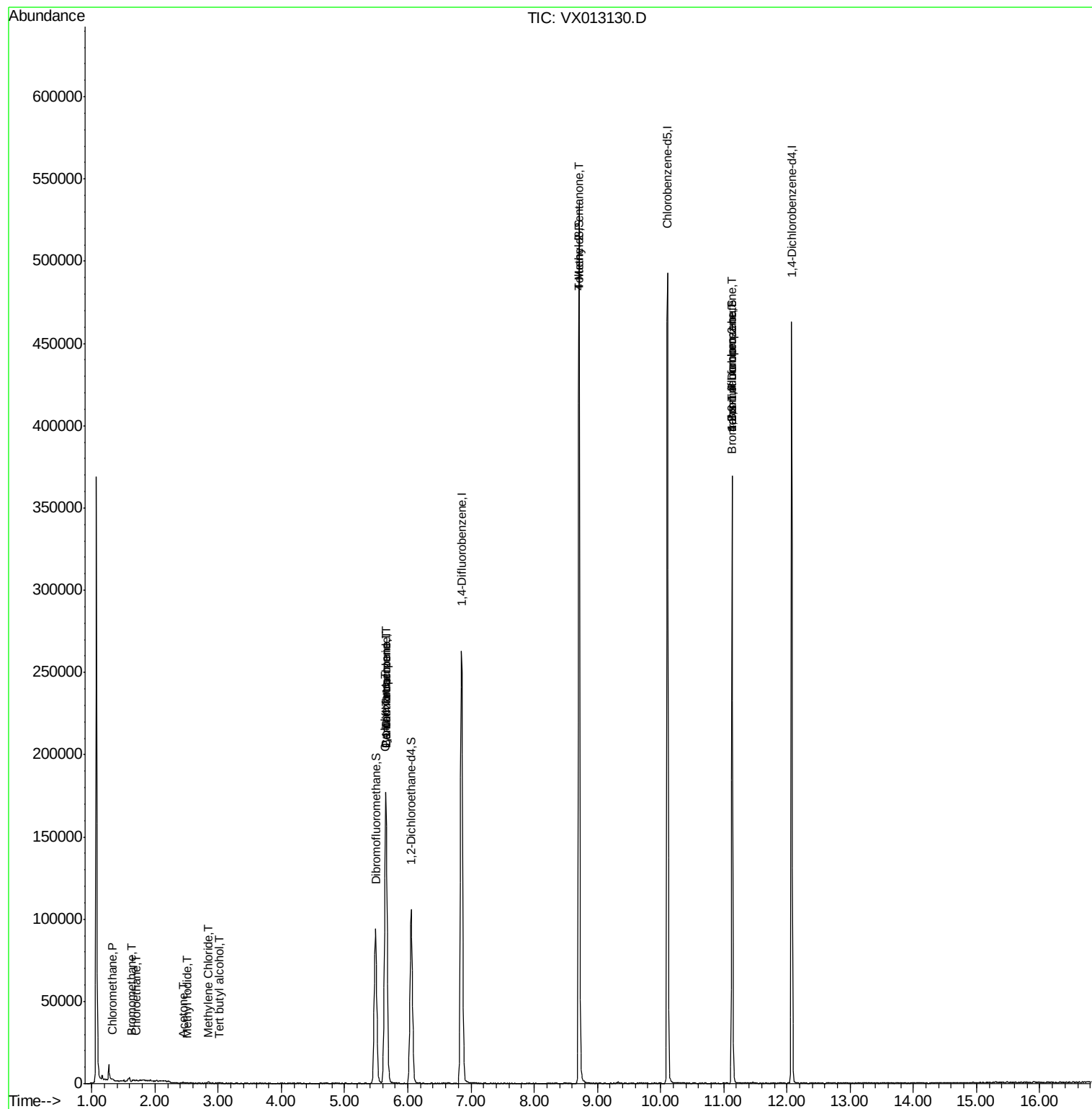
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	387	0.206	ug/l #	80
5) Bromomethane	1.64	94	356	0.442	ug/l	95
6) Chloroethane	1.70	64	131	0.477	ug/l #	43
10) Methyl Iodide	2.51	142	177	5.165	ug/l #	56
11) Tert butyl alcohol	3.02	59	295	0.526	ug/l #	72
16) Acetone	2.44	43	771	0.692	ug/l #	88
20) Methylene Chloride	2.84	84	519	0.253	ug/l #	73
31) Cyclohexane	5.64	56	3406	1.110	ug/l #	11
36) 1,1-Dichloropropene	5.66	75	12750	5.369	ug/l #	50
38) Carbon Tetrachloride	5.65	117	16288	7.047	ug/l #	20
51) 4-Methyl-2-Pentanone	8.71	43	1362	0.513	ug/l #	1
71) Bromoform	11.12	173	187	3.262	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	52594	25.448	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	52594	64.177	ug/l #	10

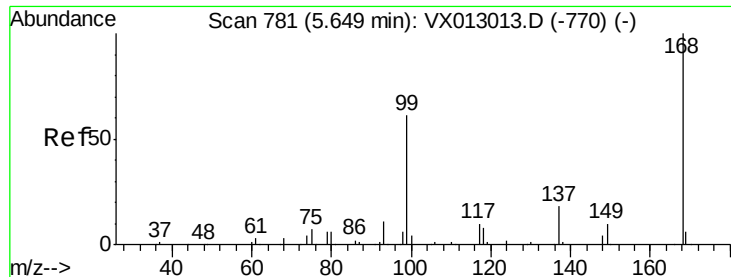
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013130.D

Acq: 18 Oct 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

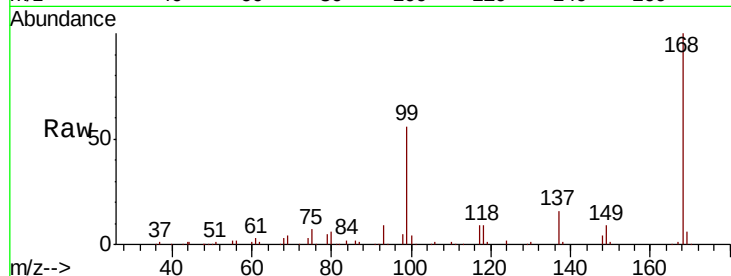
FA19-MMW0330

Tot Ion:168 Resp: 169220

Ion Ratio Lower Upper

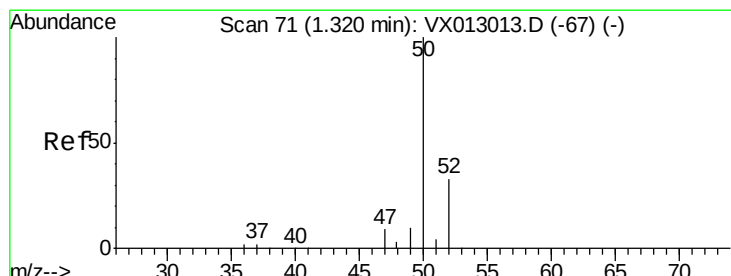
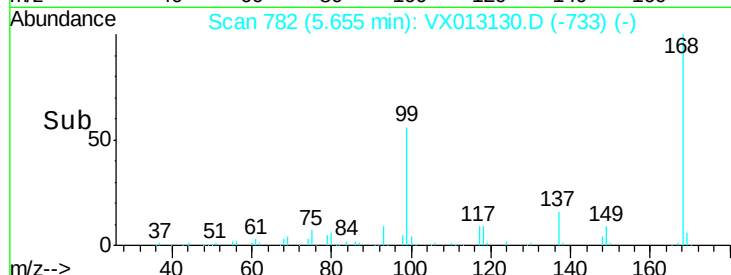
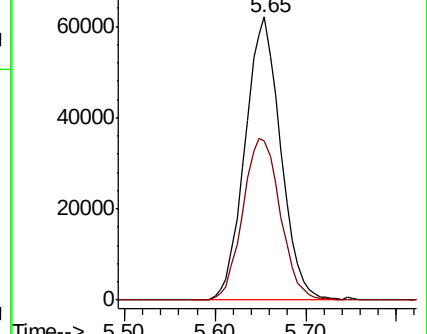
168 100

99 56.1 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.206 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013130.D

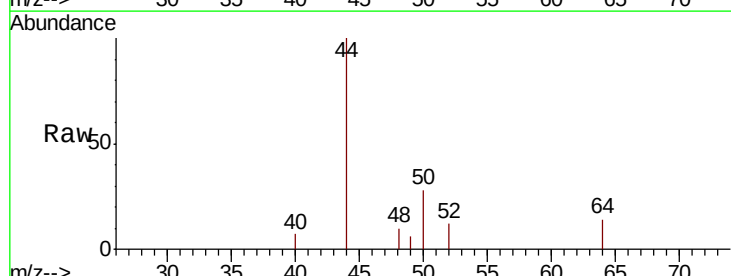
Acq: 18 Oct 2019 16:21

Tgt Ion: 50 Resp: 387

Ion Ratio Lower Upper

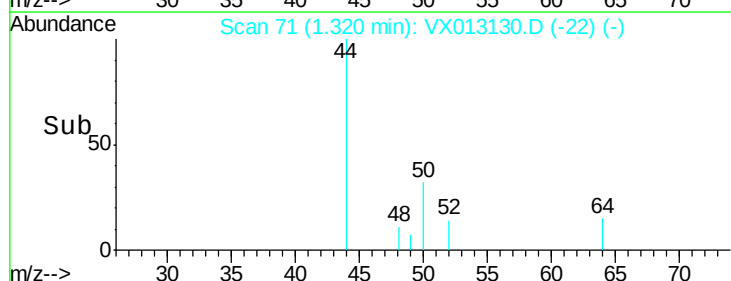
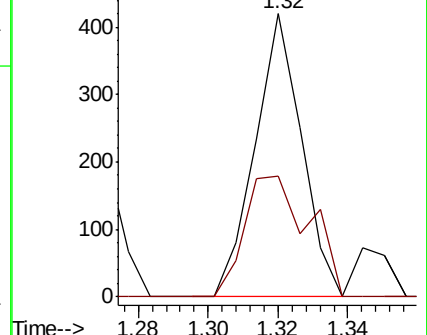
50 100

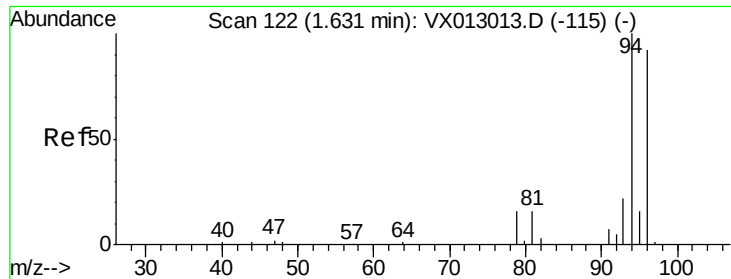
52 42.6 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.442 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013130.D

Acq: 18 Oct 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

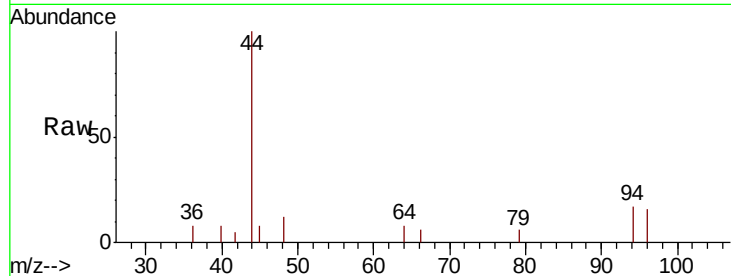
FA19-MMW0330

Tot Ion: 94 Resp: 356

Ion Ratio Lower Upper

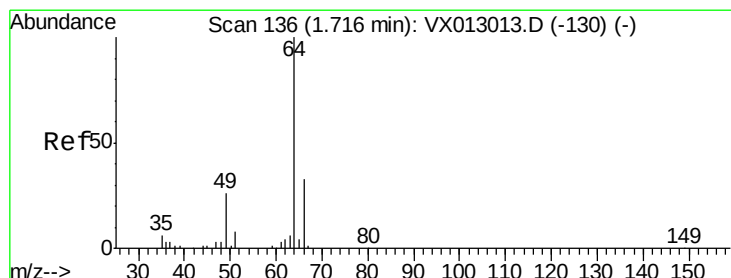
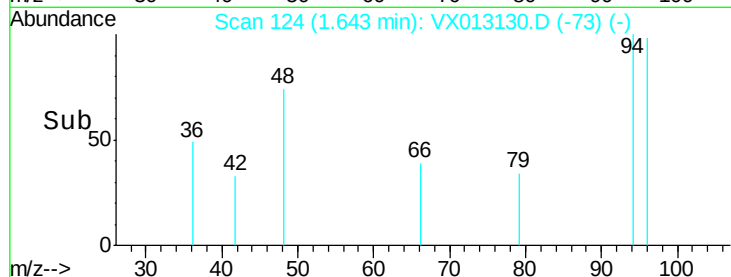
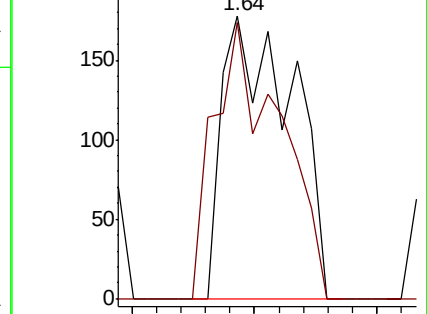
94 100

96 97.8 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.477 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013130.D

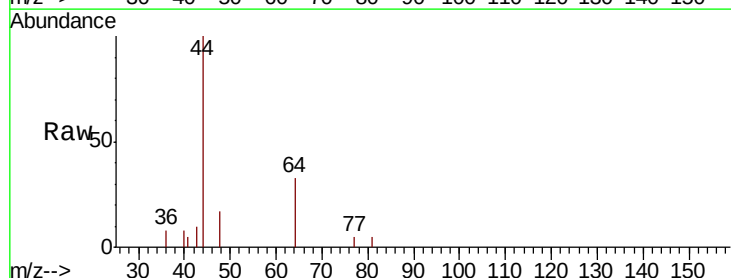
Acq: 18 Oct 2019 16:21

Tgt Ion: 64 Resp: 131

Ion Ratio Lower Upper

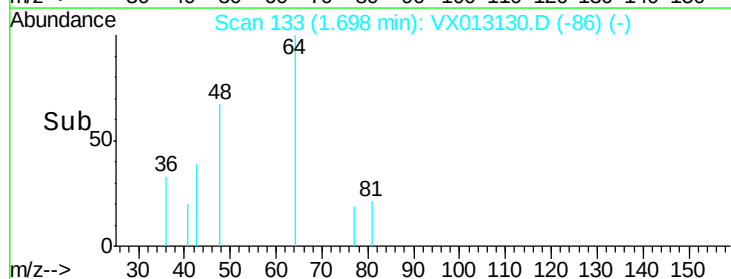
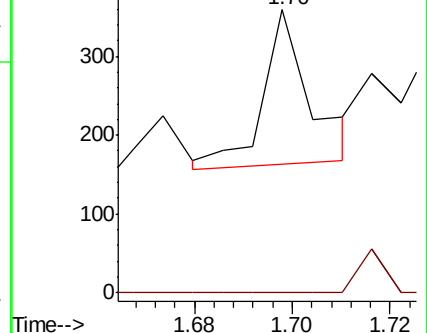
64 100

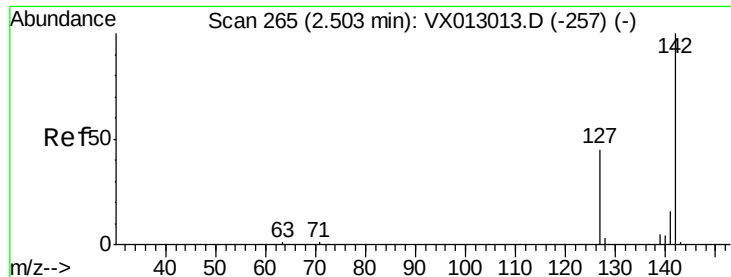
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

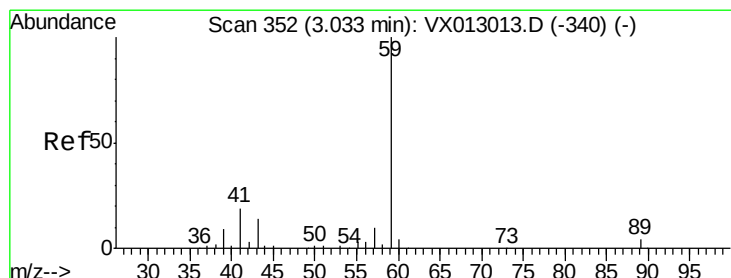
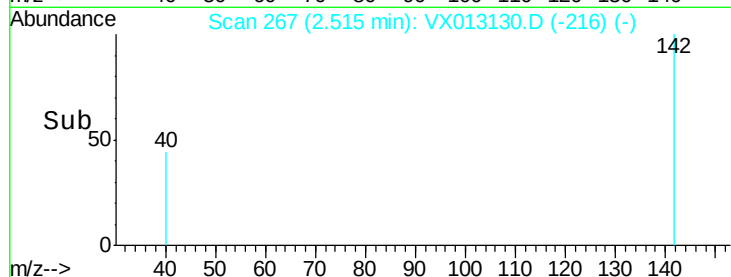
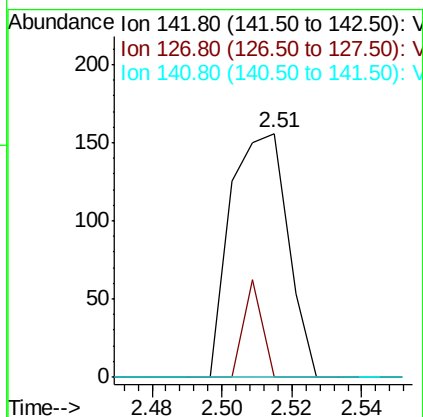
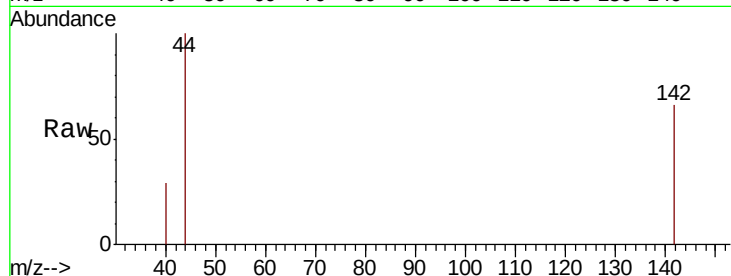




#10
Methyl Iodide
Concen: 5.165 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX013130.D
Acq: 18 Oct 2019 16:21

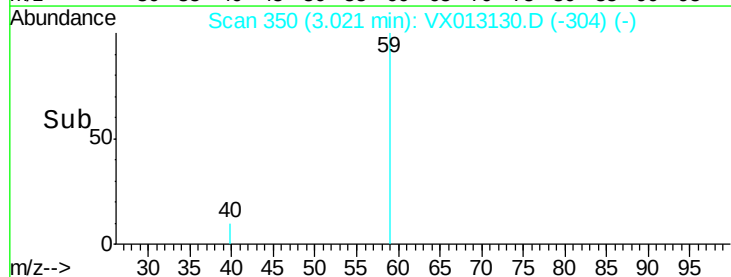
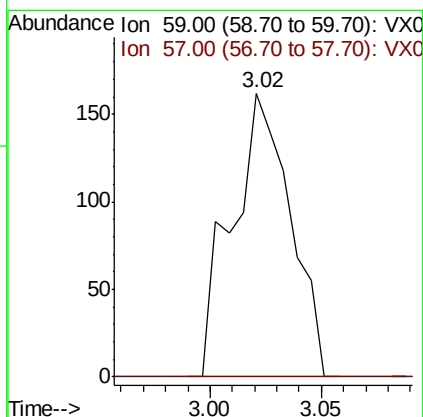
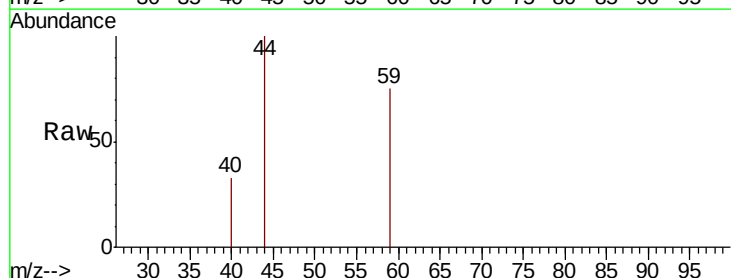
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0330

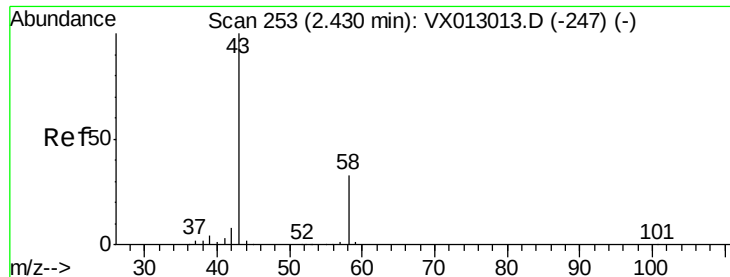
Tot Ion:142 Resp: 177
Ion Ratio Lower Upper
142 100
127 13.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.526 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX013130.D
Acq: 18 Oct 2019 16:21

Tgt Ion: 59 Resp: 295
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.692 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX013130.D

Acq: 18 Oct 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

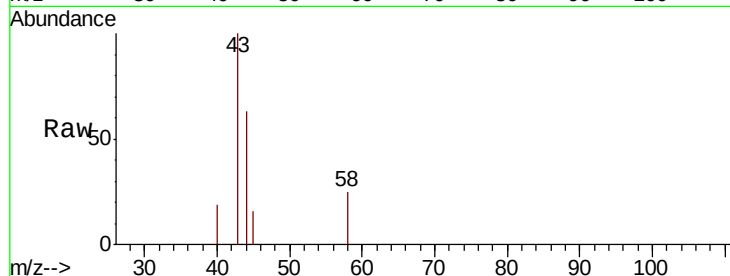
FA19-MMW0330

Tot Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

58 25.4 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

400

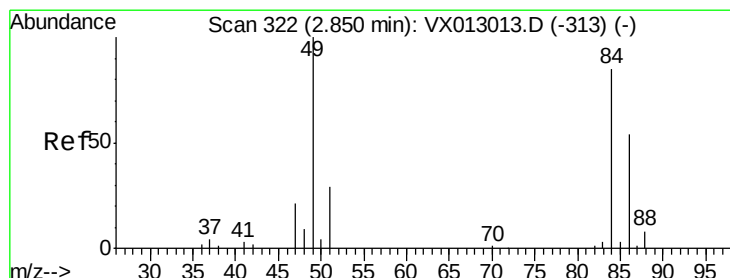
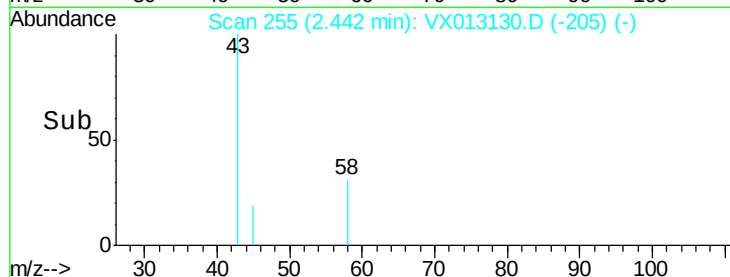
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.253 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX013130.D

Acq: 18 Oct 2019 16:21

Tgt Ion: 84 Resp: 519

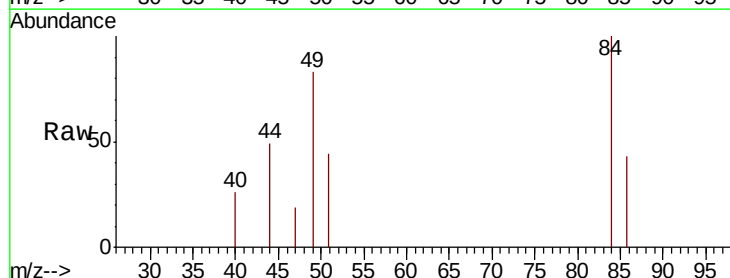
Ion Ratio Lower Upper

84 100

49 83.5 96.6 144.8#

51 44.1 30.7 46.1

86 42.6 51.0 76.6#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

500

400

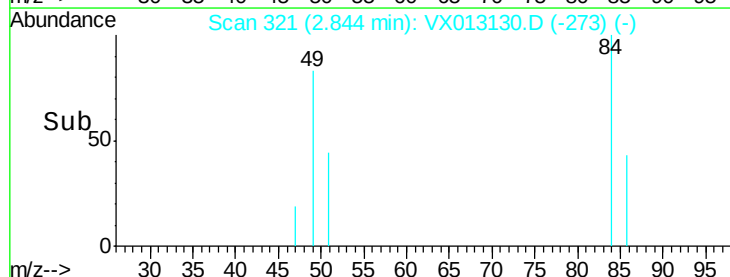
300

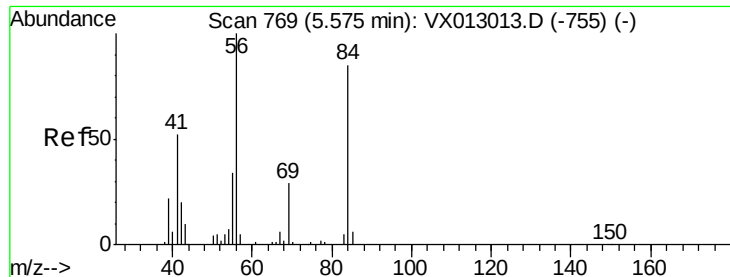
200

100

0

Time-->

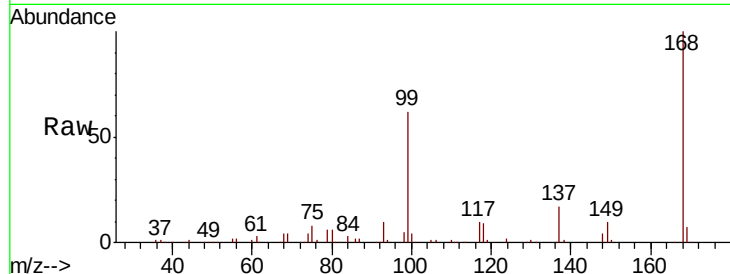




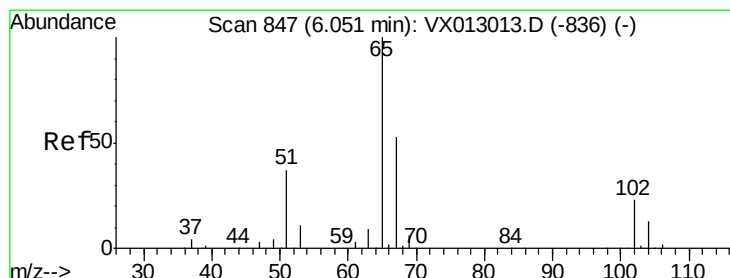
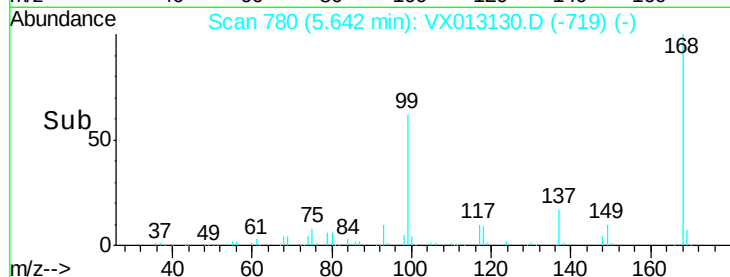
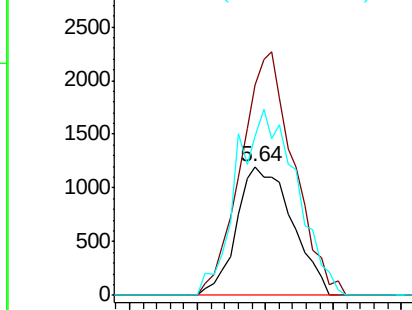
#31
Cyclohexane
Concen: 1.110 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013130.D
Acq: 18 Oct 2019 16:21

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0330

Tot Ion: 56 Resp: 3406
Ion Ratio Lower Upper
56 100
69 163.6 25.2 37.8#
84 123.1 71.3 106.9#

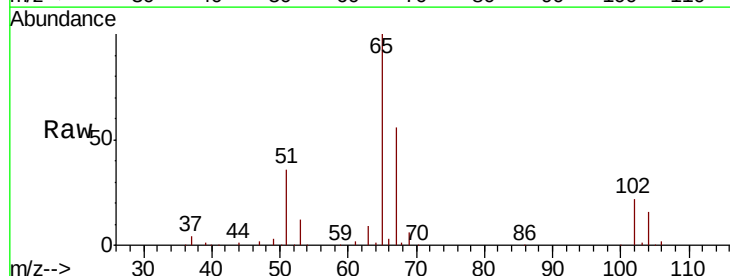


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

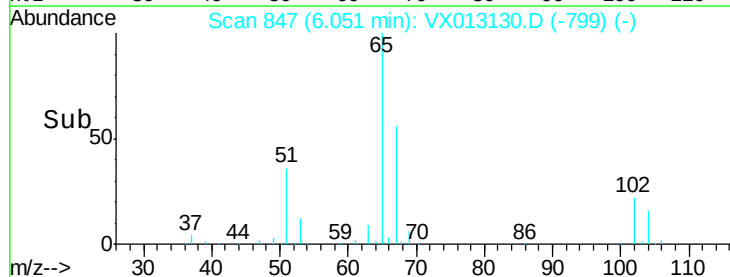
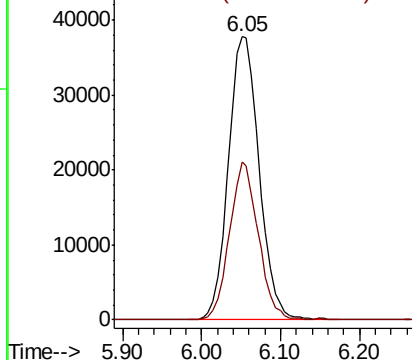


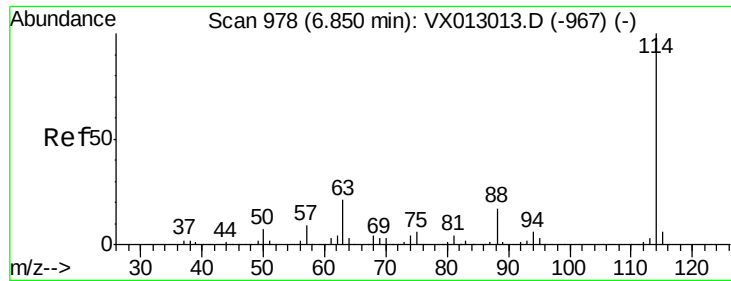
#33
1,2-Dichloroethane-d4
Concen: 48.492 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX013130.D
Acq: 18 Oct 2019 16:21

Tgt Ion: 65 Resp: 102563
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

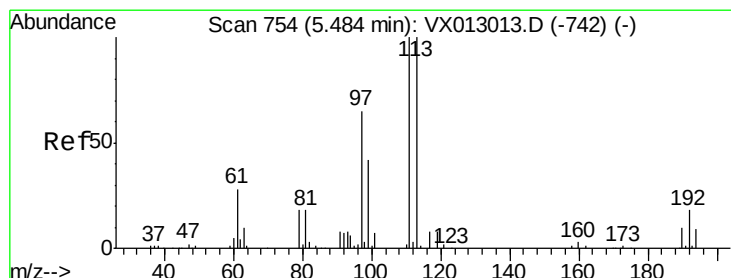
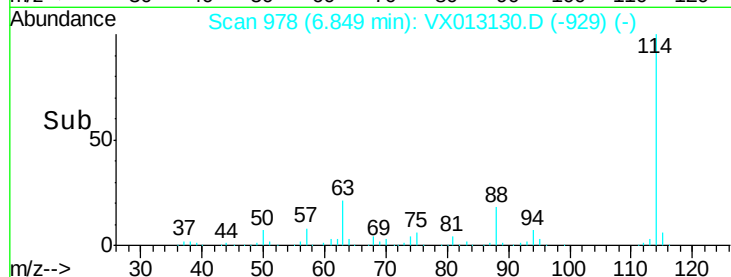
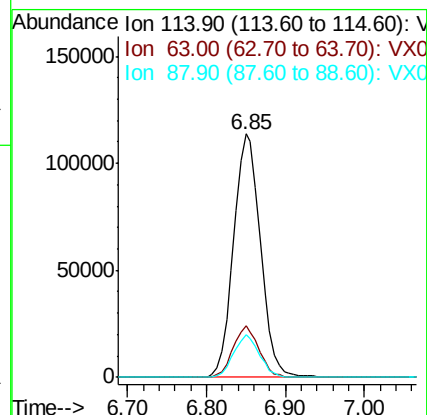
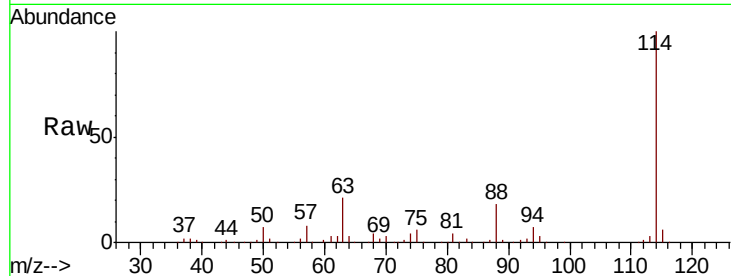




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013130.D
 Acq: 18 Oct 2019 16:21

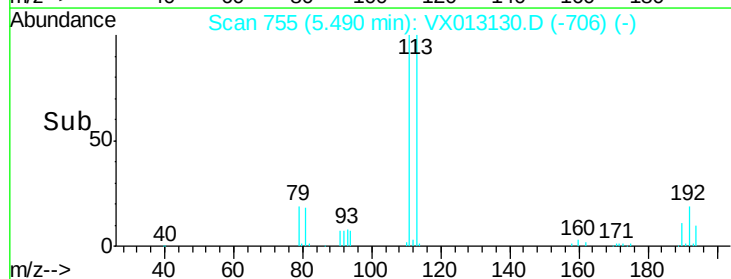
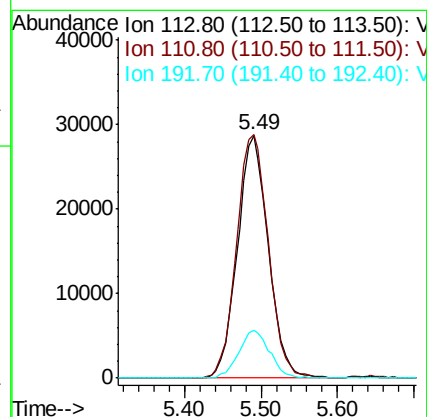
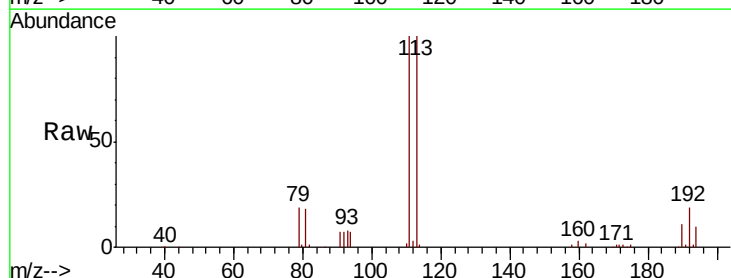
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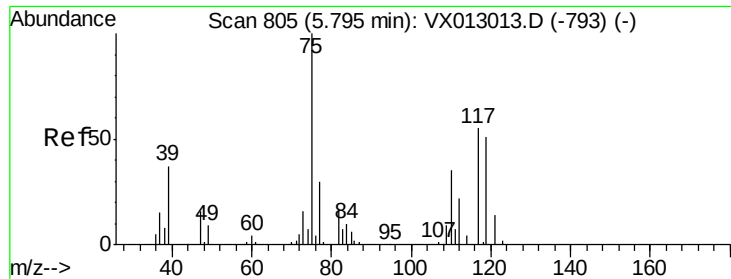
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.8
88	17.5	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 51.693 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013130.D
 Acq: 18 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.2	124.8
192	19.8	15.4	23.2

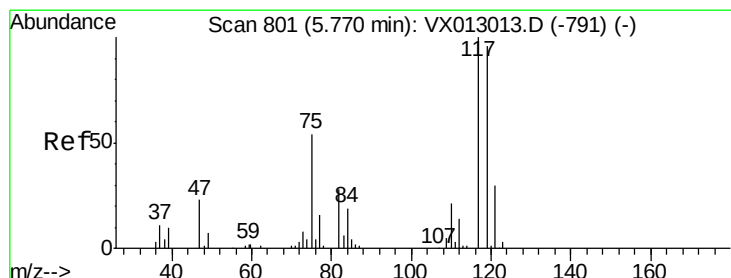
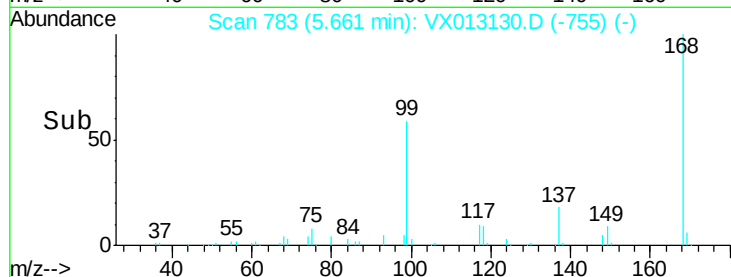
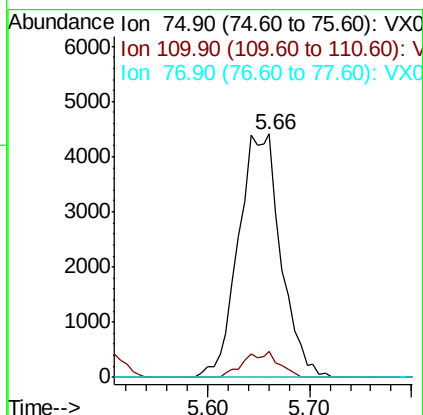
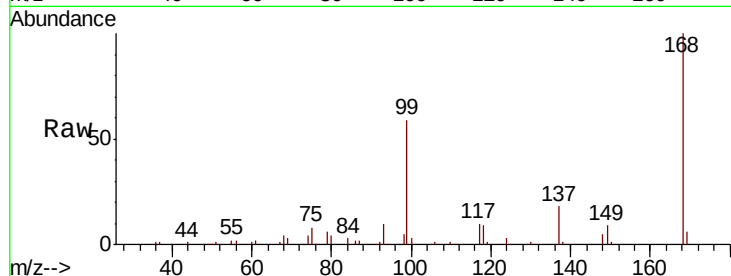




#36
 1,1-Dichloropropene
 Concen: 5.369 ug/l
 RT: 5.66 min Scan# 783
 Delta R.T. -0.13 min
 Lab File: VX013130.D
 Acq: 18 Oct 2019 16:21

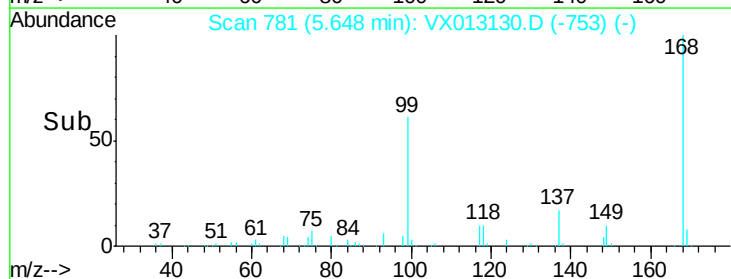
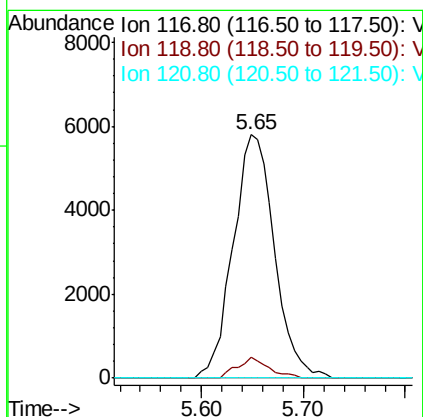
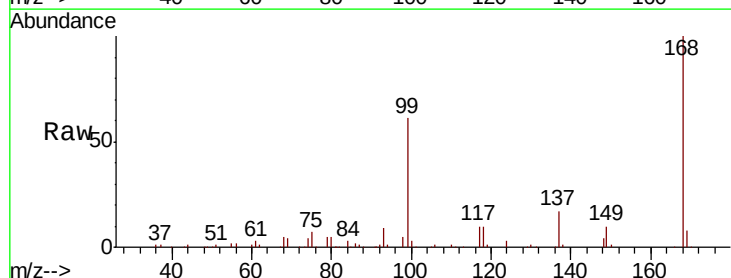
Instrument :
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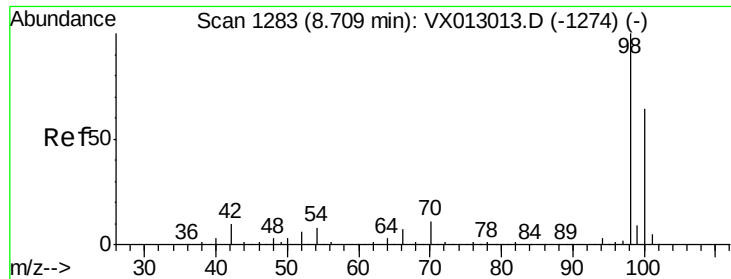
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.6	52.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 7.047 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013130.D
 Acq: 18 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.3	74.5	111.7#
121	0.0	24.2	36.4#

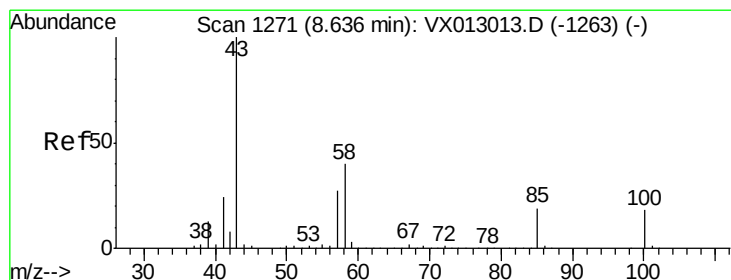
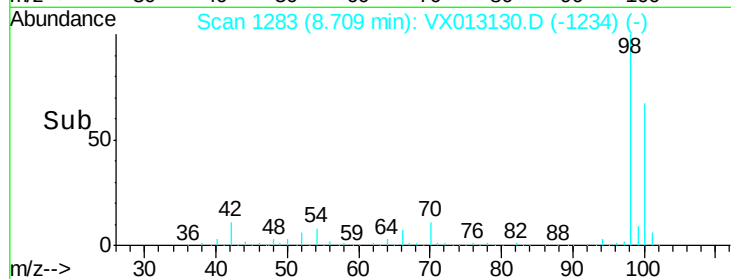
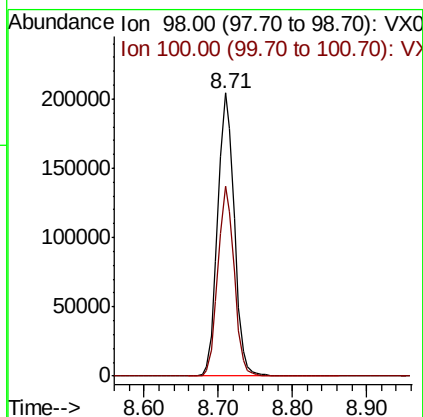
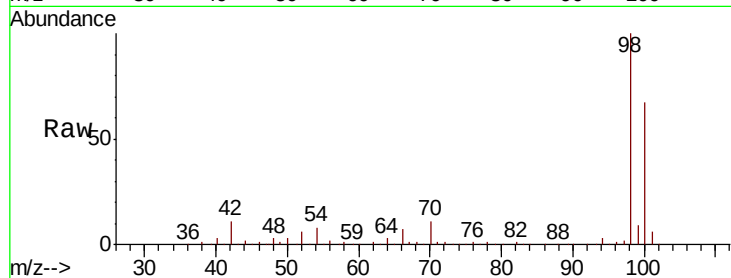




#50
Toluene-d8
Concen: 52.171 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013130.D
Acq: 18 Oct 2019 16:21

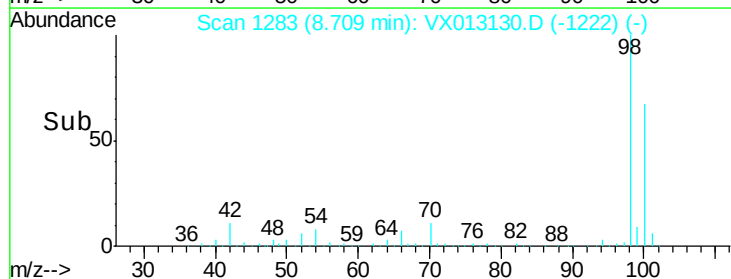
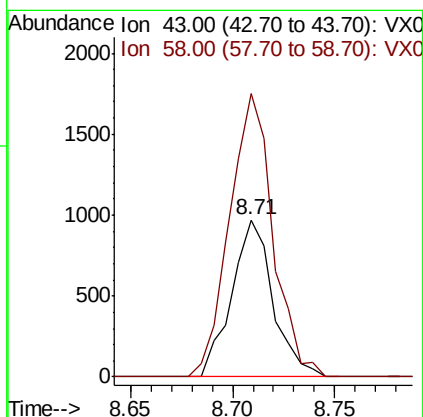
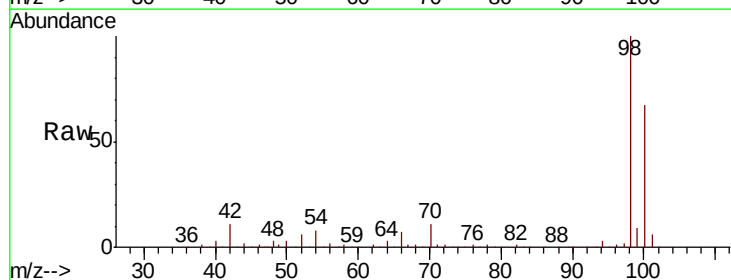
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0330

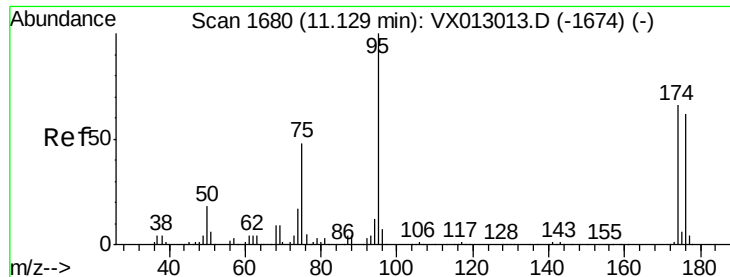
Tot Ion: 98 Resp: 315428
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.513 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013130.D
Acq: 18 Oct 2019 16:21

Tgt Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
58 189.5 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 44.731 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013130.D

Acq: 18 Oct 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0330

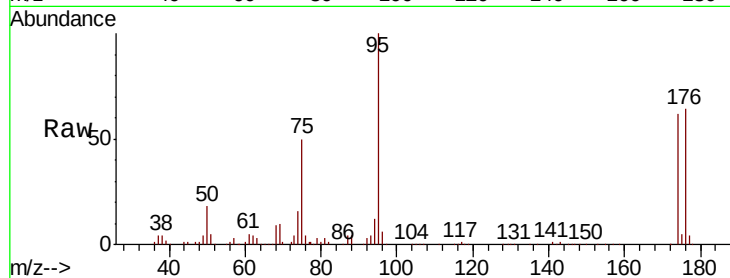
Tot Ion: 95 Resp: 105082

Ion Ratio Lower Upper

95 100

174 76.8 0.0 143.4

176 73.0 0.0 136.0



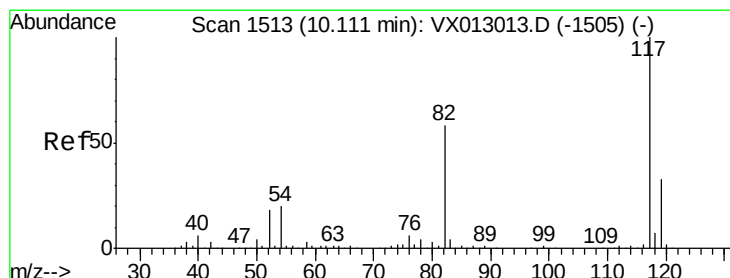
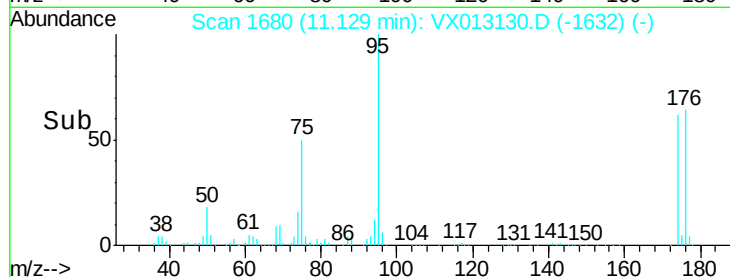
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013130.D

Acq: 18 Oct 2019 16:21

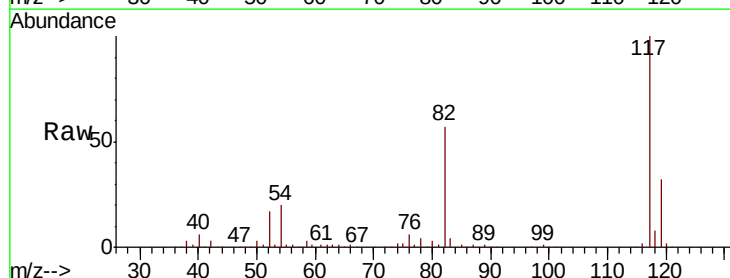
Tgt Ion: 117 Resp: 231011

Ion Ratio Lower Upper

117 100

82 56.9 44.1 66.1

119 32.3 25.8 38.8



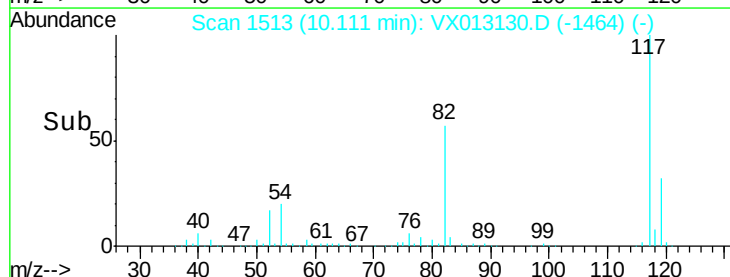
Abundance Ion 116.90 (116.60 to 117.60): V

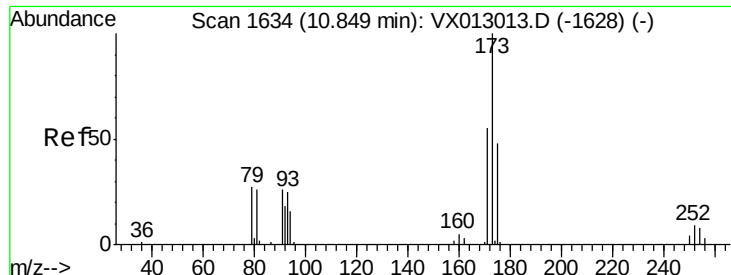
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

10.11

Time-->





#71

Bromoform

Concen: 3.262 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX013130.D

Acq: 18 Oct 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0330

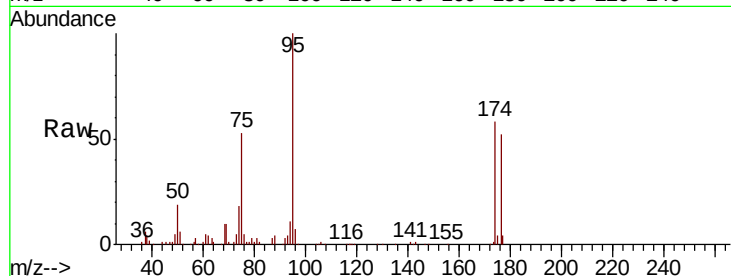
Tot Ion:173 Resp: 187

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.3#

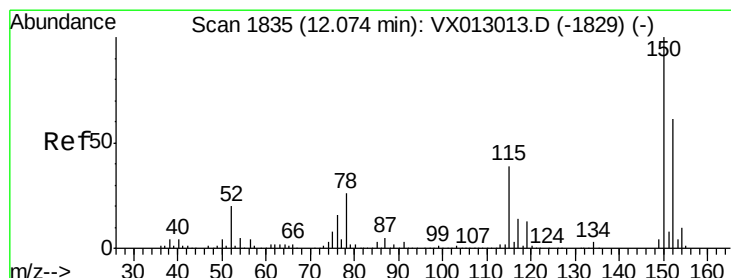
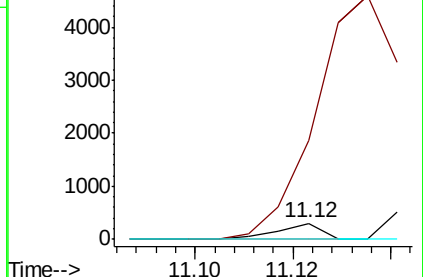
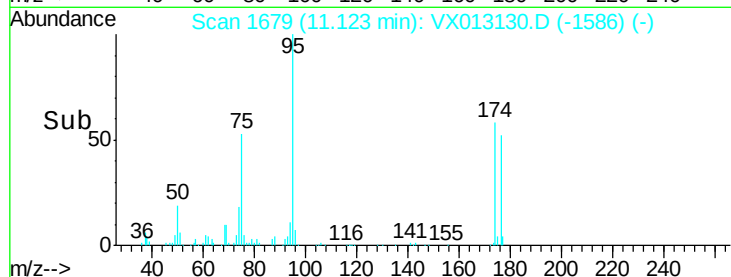
254 0.0 0.1 0.1#



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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013130.D

Acq: 18 Oct 2019 16:21

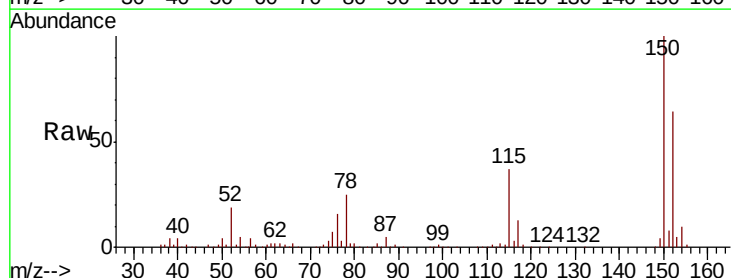
Tgt Ion:152 Resp: 93181

Ion Ratio Lower Upper

152 100

115 60.8 44.5 133.5

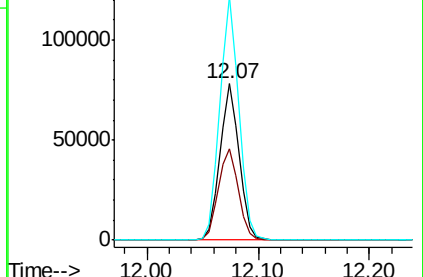
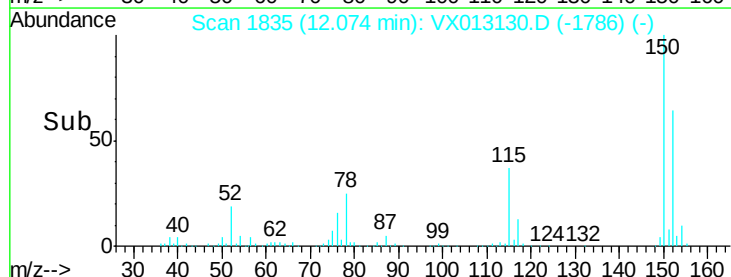
150 155.1 0.0 353.4

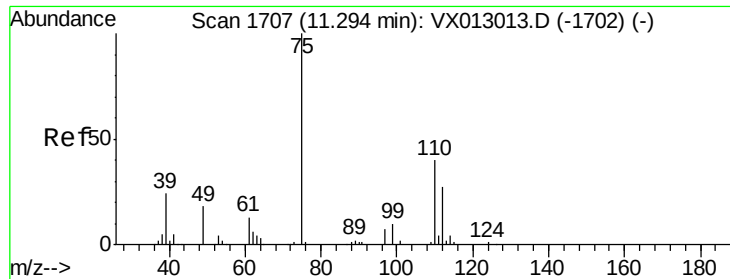


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.448 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013130.D

Acq: 18 Oct 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

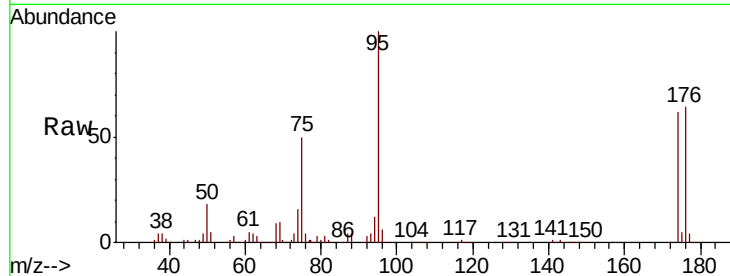
FA19-MMW0330

Tot Ion: 75 Resp: 52594

Ion Ratio Lower Upper

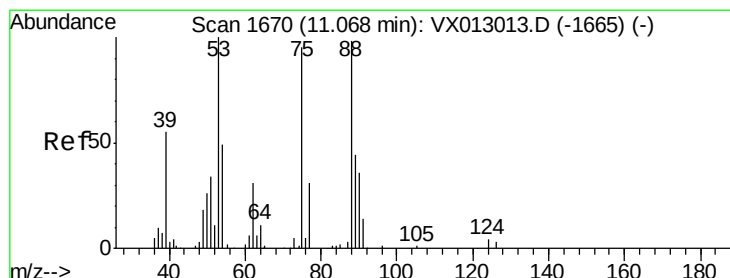
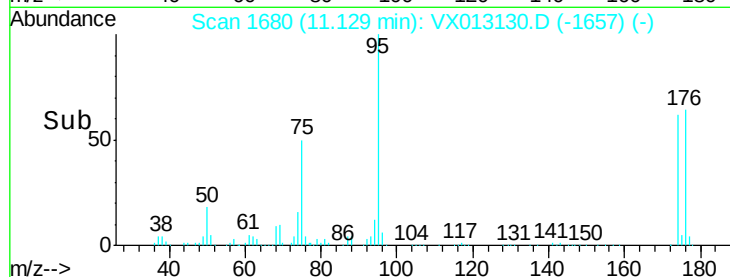
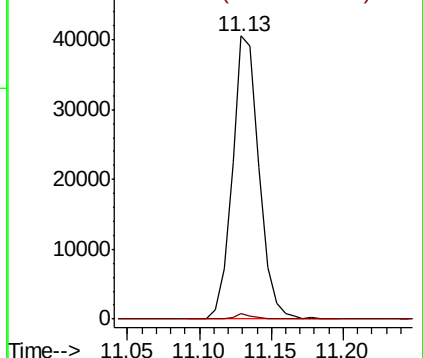
75 100

77 1.5 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 64.177 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013130.D

Acq: 18 Oct 2019 16:21

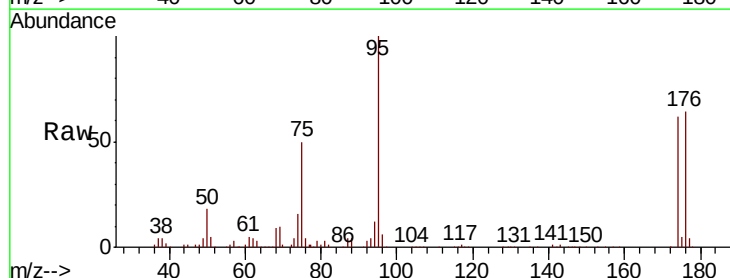
Tgt Ion: 75 Resp: 52594

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

