

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012941.D
 Acq On : 09 Oct 2019 14:36
 Operator : JC/SP
 Sample : K5234-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7106A

Quant Time: Oct 10 01:37:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	176982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299000	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93825	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	116692	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
35) Dibromofluoromethane	5.49	113	89173	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	8.71	98	349522	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	11.14	95	117487	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

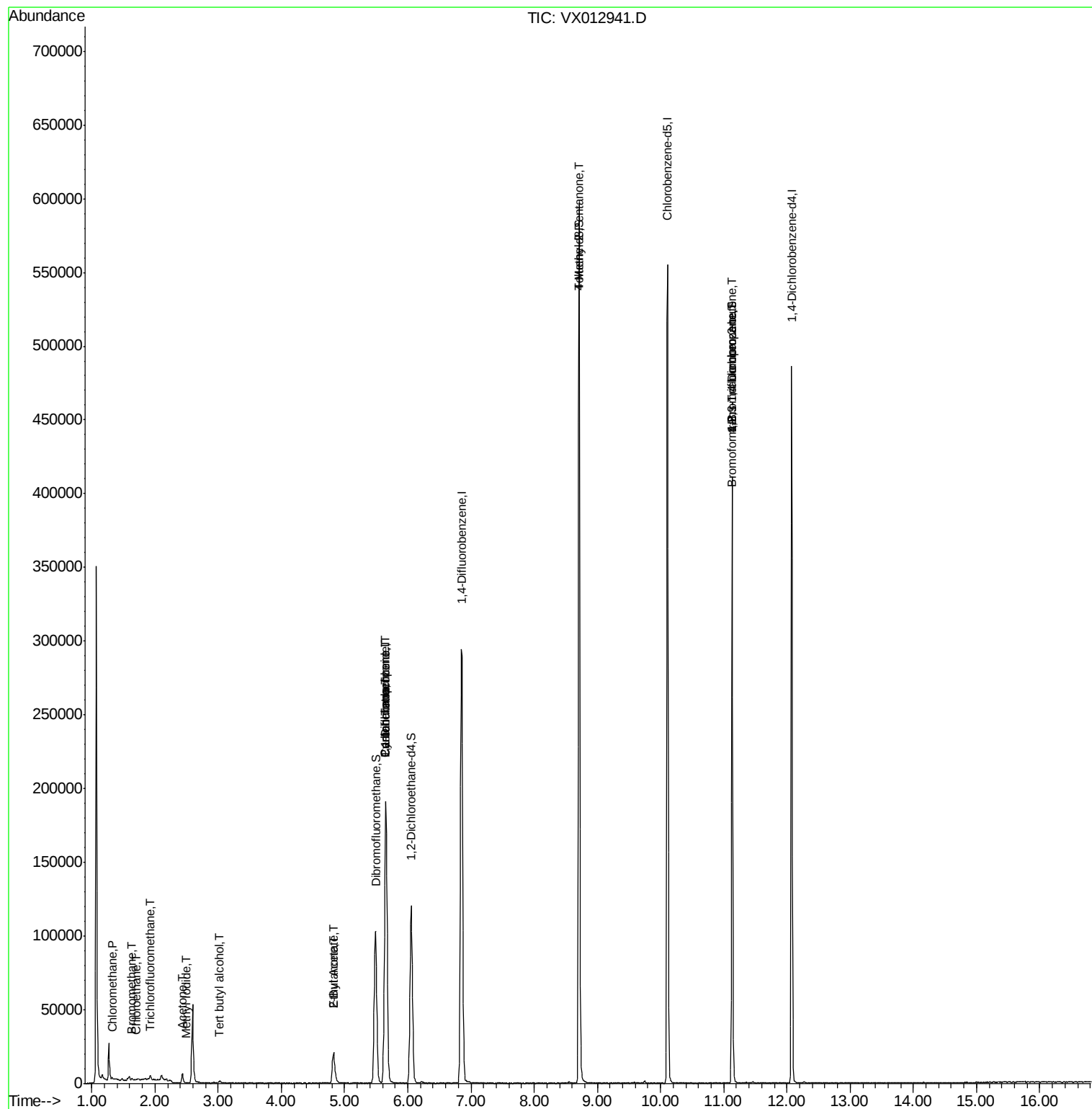
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	816	0.416	ug/l	96
5) Bromomethane	1.64	94	226	0.268	ug/l	83
6) Chloroethane	1.70	64	1584	1.638	ug/l #	43
7) Trichlorofluoromethane	1.92	101	1593	0.582	ug/l	85
10) Methyl Iodide	2.50	142	40	5.100	ug/l #	40
11) Tert butyl alcohol	3.03	59	1595	2.720	ug/l #	72
16) Acetone	2.44	43	6607	5.667	ug/l #	84
25) 2-Butanone	4.83	43	37675	23.290	ug/l #	49
31) Cyclohexane	5.65	56	3702	1.153	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13746	5.229	ug/l #	51
37) Ethyl Acetate	4.83	43	37726	12.834	ug/l	98
38) Carbon Tetrachloride	5.65	117	19011	7.430	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1575	0.535	ug/l #	1
71) Bromoform	11.12	173	178	3.245	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	58437	28.081	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	58437	70.395	ug/l #	10

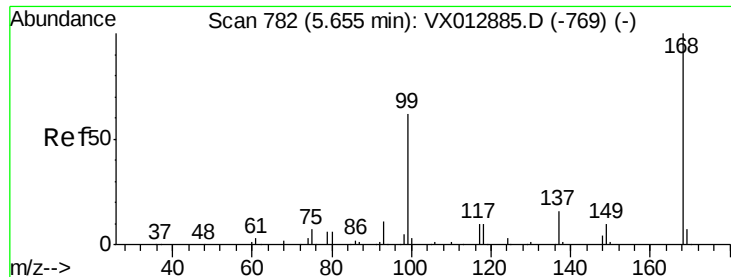
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX012941.D
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Quant Time: Oct 10 01:37:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
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: VX012941.D

Acq: 09 Oct 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

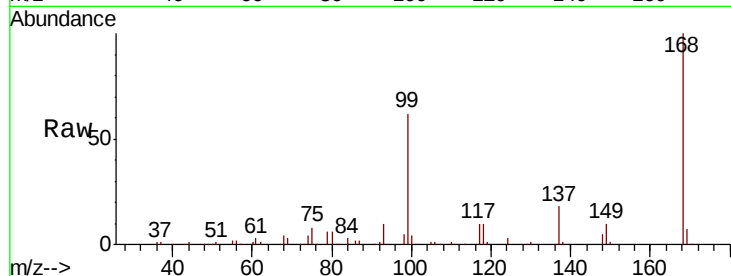
FA19-JBW7106A

Tot Ion:168 Resp: 176982

Ion Ratio Lower Upper

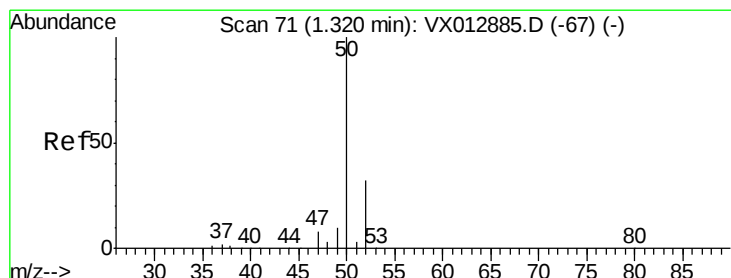
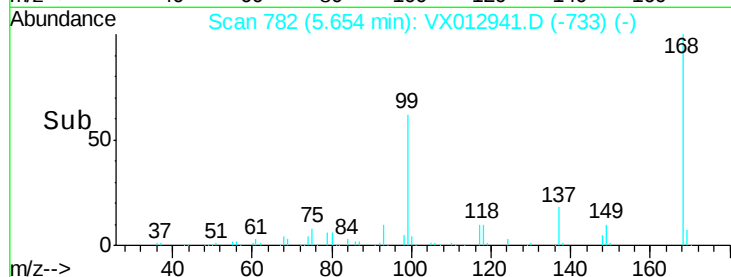
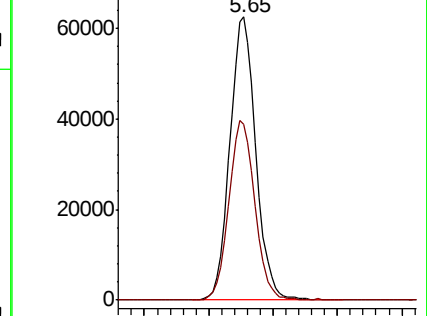
168 100

99 62.4 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: 0.416 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012941.D

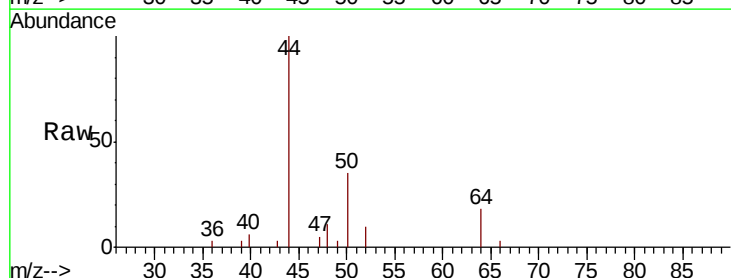
Acq: 09 Oct 2019 14:36

Tgt Ion: 50 Resp: 816

Ion Ratio Lower Upper

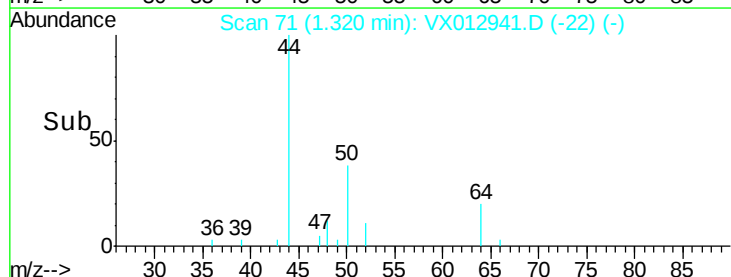
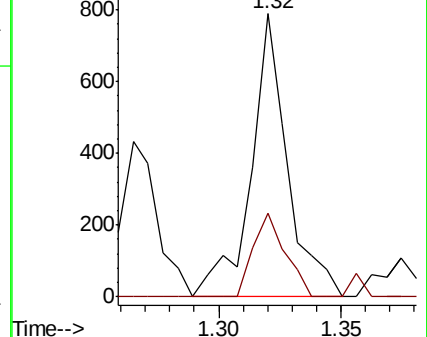
50 100

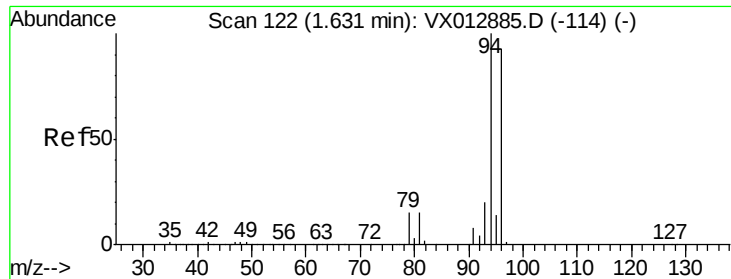
52 29.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.268 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012941.D

Acq: 09 Oct 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

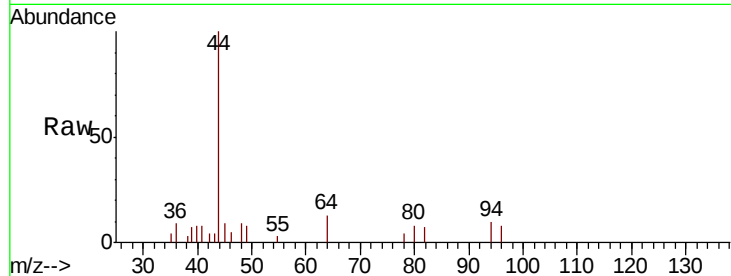
FA19-JBW7106A

Tot Ion: 94 Resp: 226

Ion Ratio Lower Upper

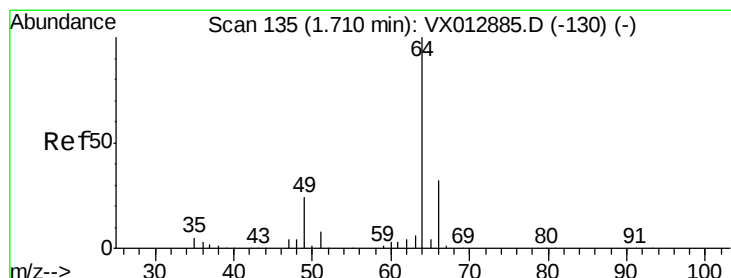
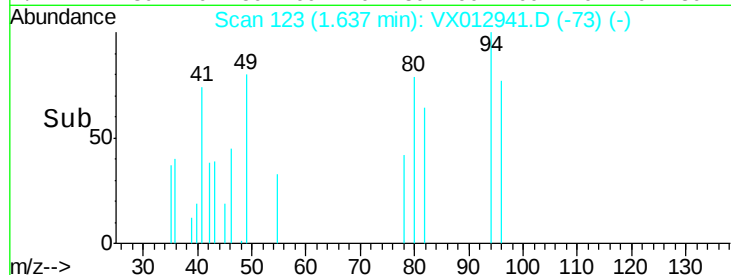
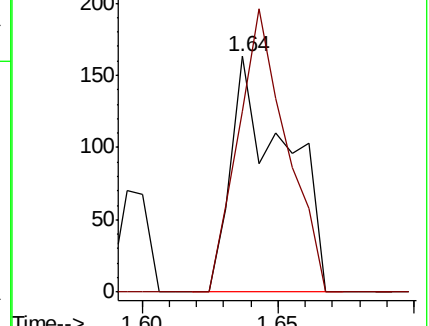
94 100

96 76.7 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: 1.638 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012941.D

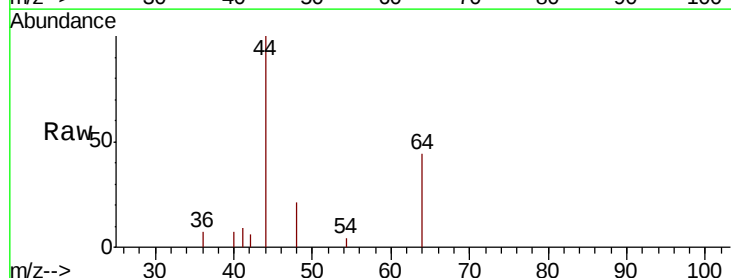
Acq: 09 Oct 2019 14:36

Tgt Ion: 64 Resp: 1584

Ion Ratio Lower Upper

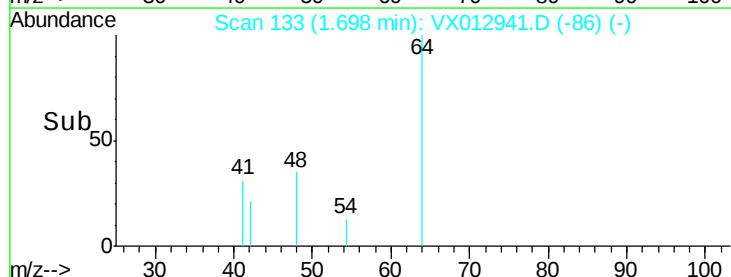
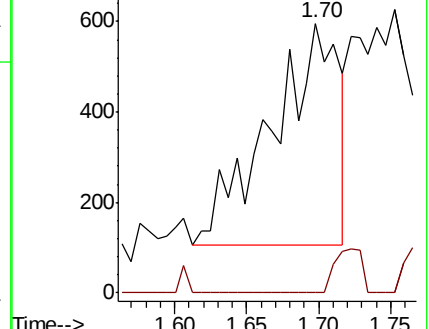
64 100

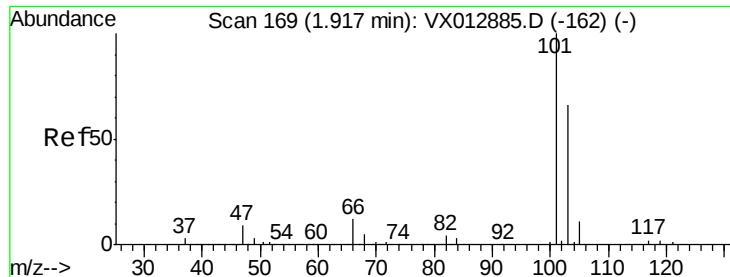
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



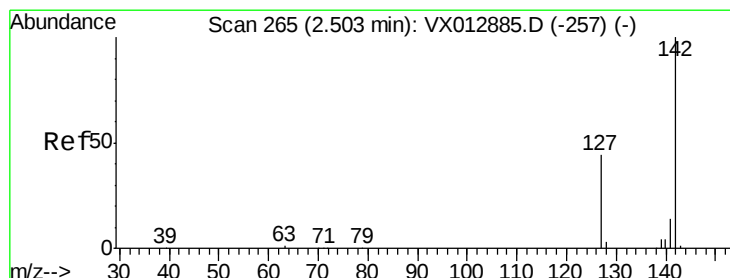
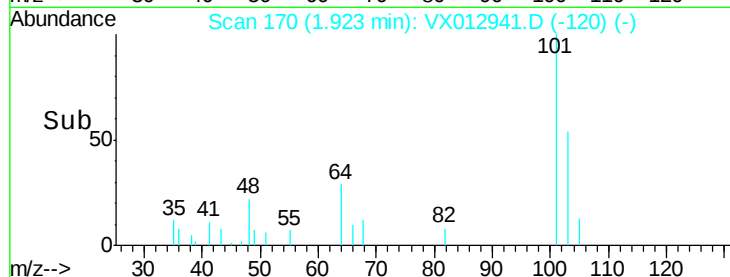
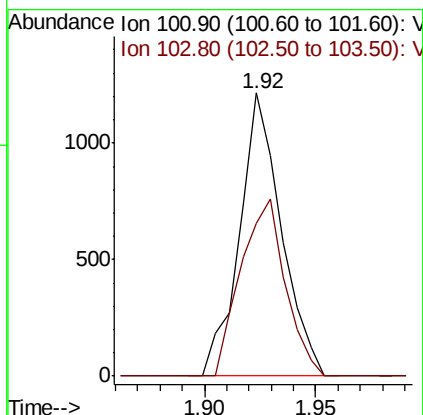
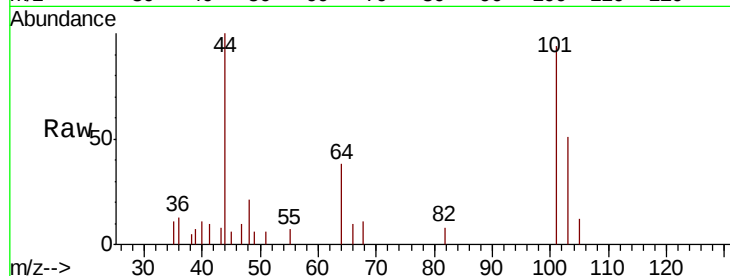


#7

Trichlorofluoromethane
 Concen: 0.582 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012941.D
 Acq: 09 Oct 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7106A

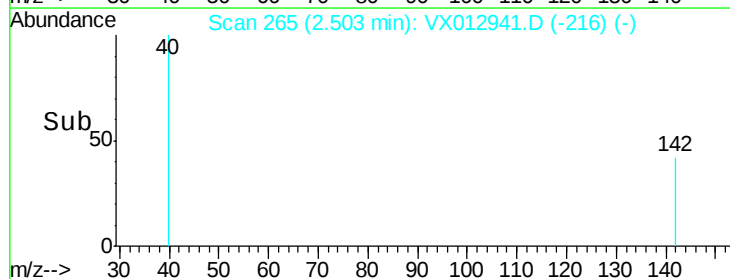
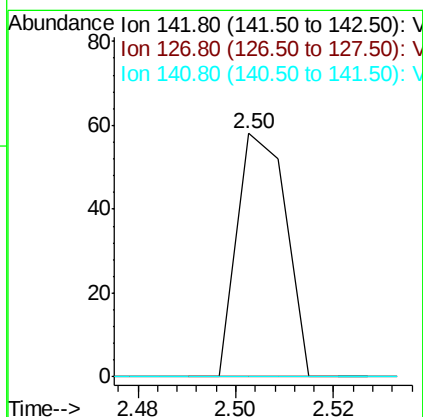
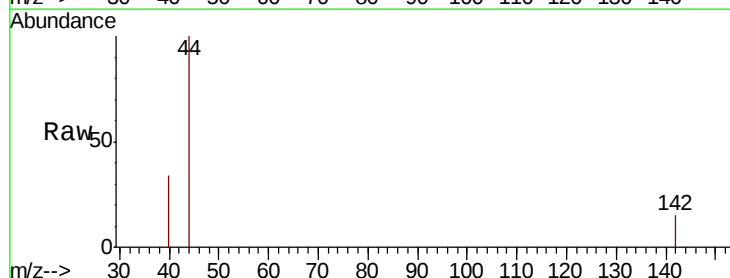
Tot Ion:101 Resp: 1593
 Ion Ratio Lower Upper
 101 100
 103 54.0 52.5 78.7

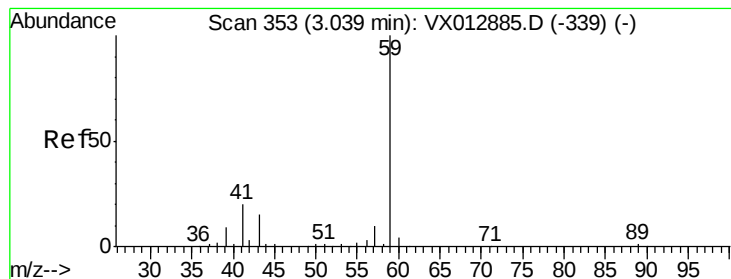


#10

Methyl Iodide
 Concen: 5.100 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.00 min
 Lab File: VX012941.D
 Acq: 09 Oct 2019 14:36

Tgt Ion:142 Resp: 40
 Ion Ratio Lower Upper
 142 100
 127 0.0 34.9 52.3#
 141 0.0 11.6 17.4#



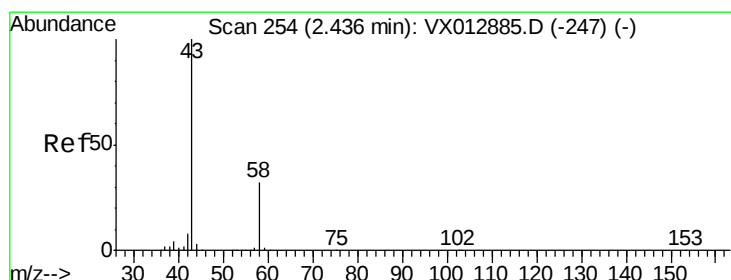
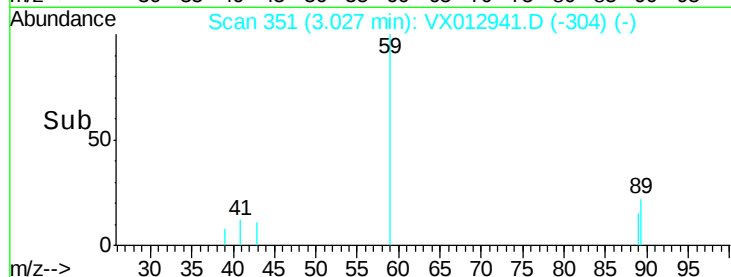
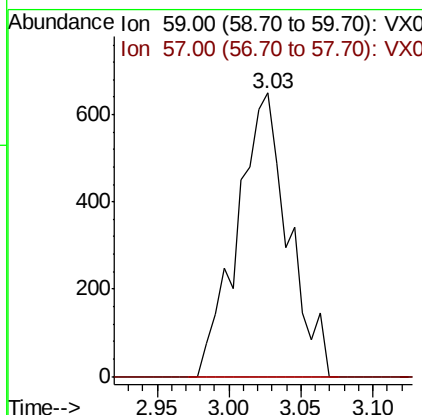
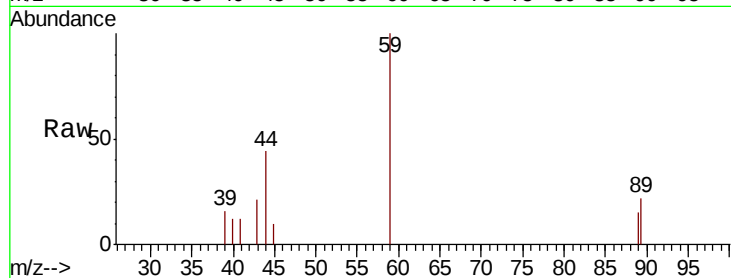


#11

Tert butyl alcohol
 Concen: 2.720 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012941.D
 Acq: 09 Oct 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7106A

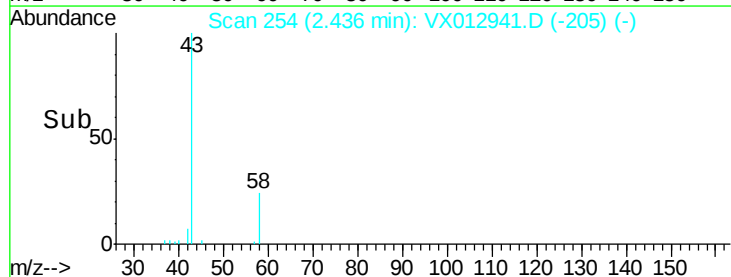
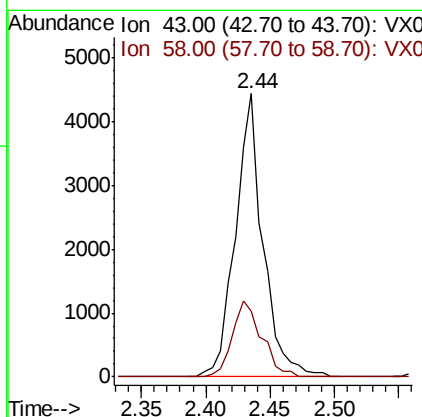
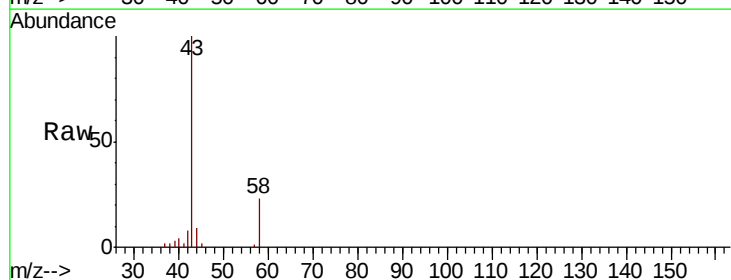
Tot Ion: 59 Resp: 1595
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

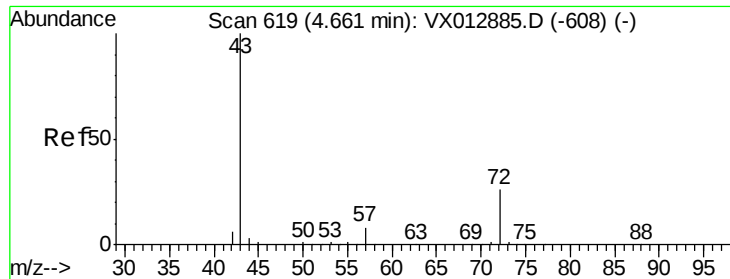


#16

Acetone
 Concen: 5.667 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VX012941.D
 Acq: 09 Oct 2019 14:36

Tgt Ion: 43 Resp: 6607
 Ion Ratio Lower Upper
 43 100
 58 23.1 25.4 38.2#

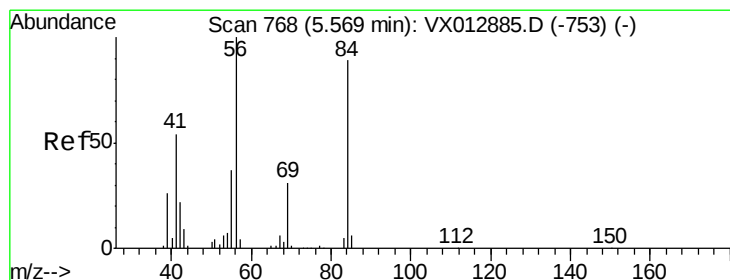
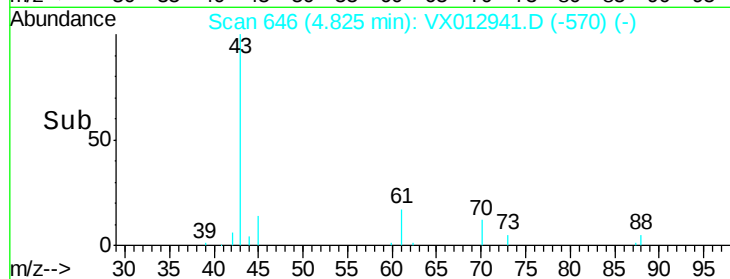
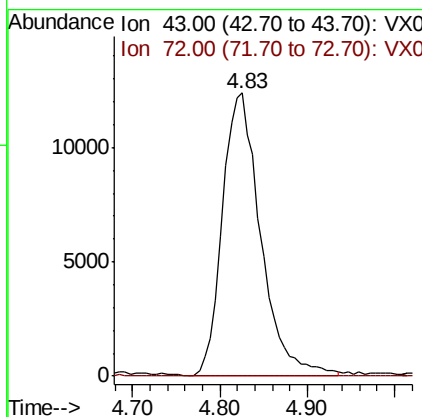
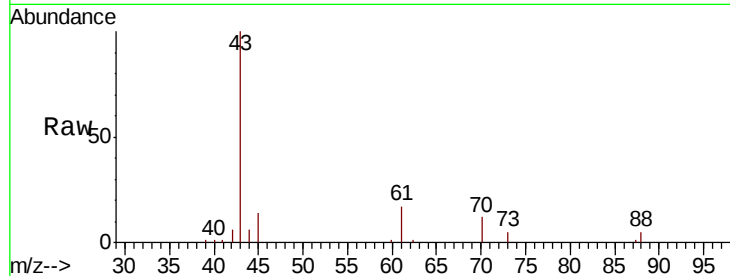




#25
2-Butanone
Concen: 23.290 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.16 min
Lab File: VX012941.D
Acq: 09 Oct 2019 14:36

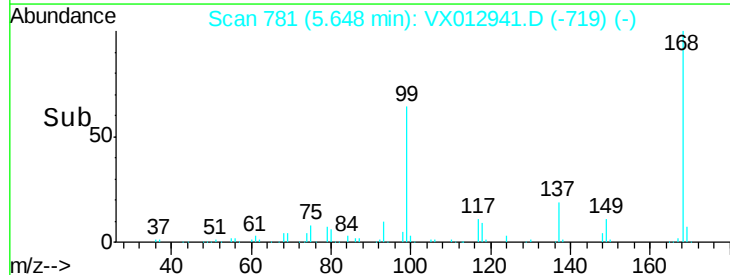
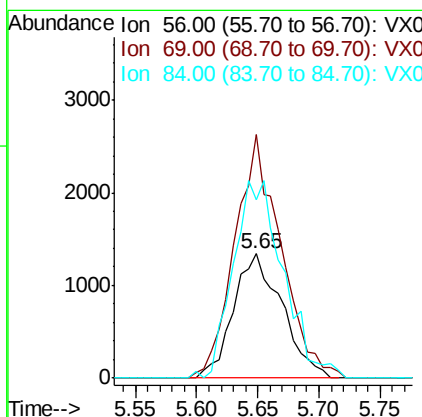
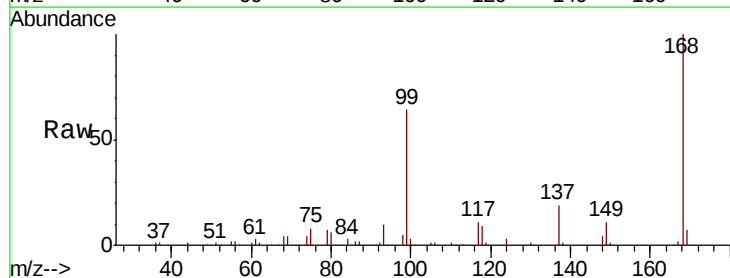
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ClientSampleId :
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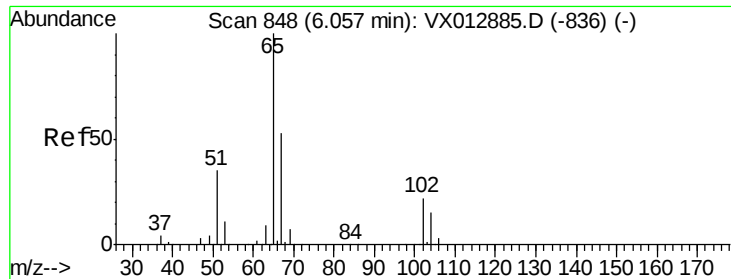
Tot Ion: 43 Resp: 37675
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31
Cyclohexane
Concen: 1.153 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012941.D
Acq: 09 Oct 2019 14:36

Tgt Ion: 56 Resp: 3702
Ion Ratio Lower Upper
56 100
69 196.2 25.2 37.8#
84 143.8 71.3 106.9#

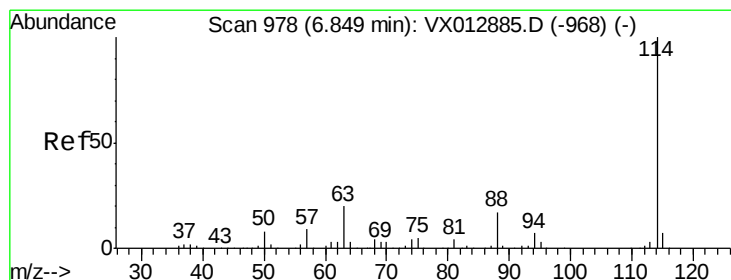
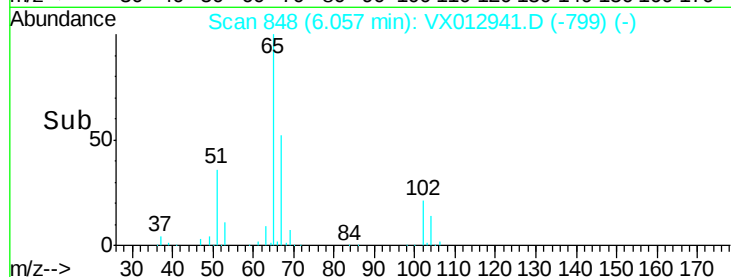
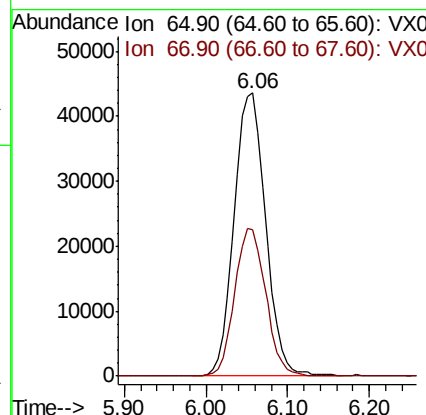
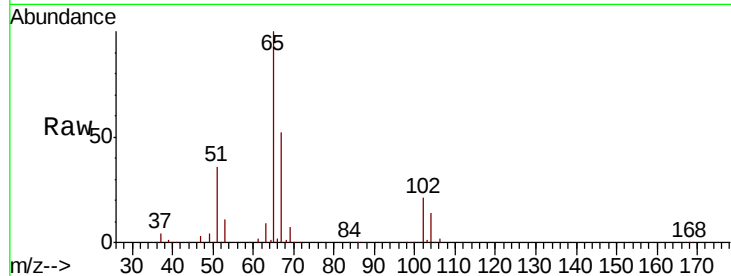




#33
 1,2-Dichloroethane-d4
 Concen: 52.753 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX012941.D
 Acq: 09 Oct 2019 14:36

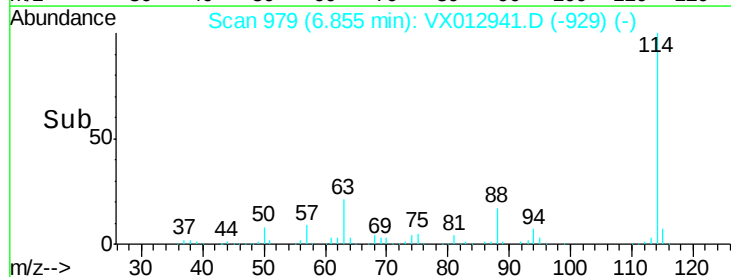
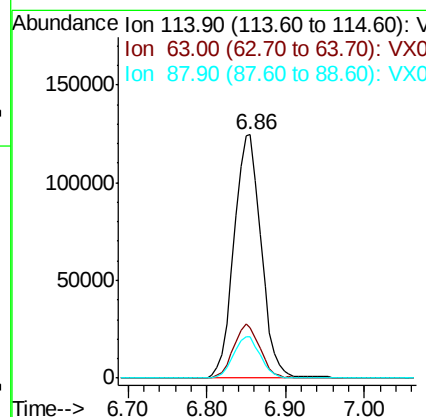
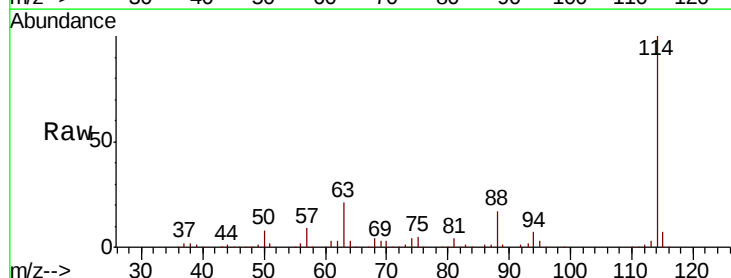
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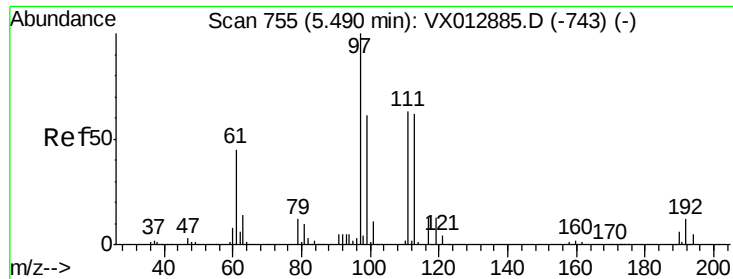
Tot Ion: 65 Resp: 116692
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012941.D
 Acq: 09 Oct 2019 14:36

Tgt Ion: 114 Resp: 299000
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 17.1 0.0 33.8

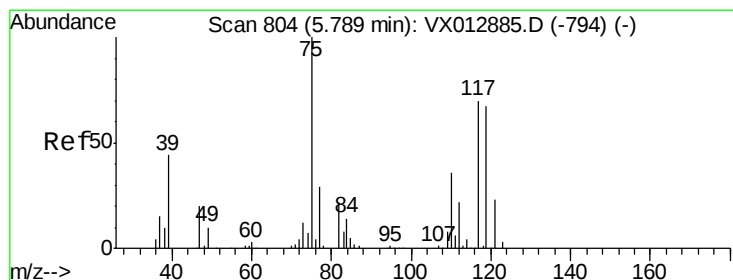
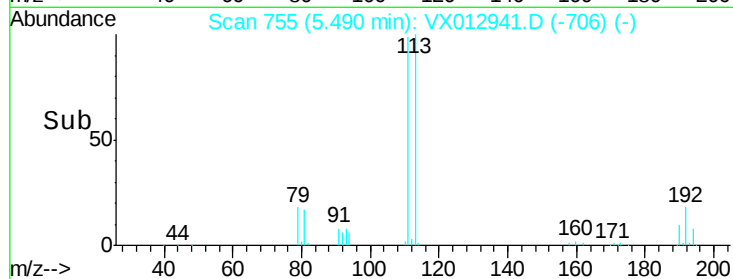
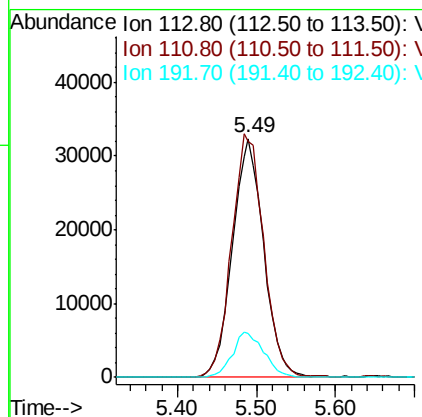
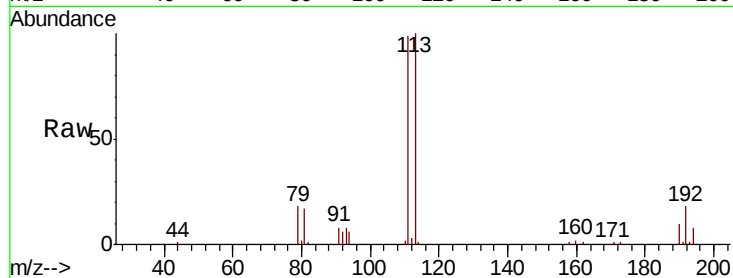




#35
Dibromofluoromethane
Concen: 51.963 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX012941.D
Acq: 09 Oct 2019 14:36

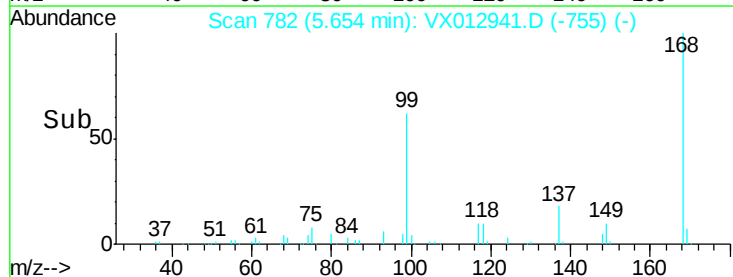
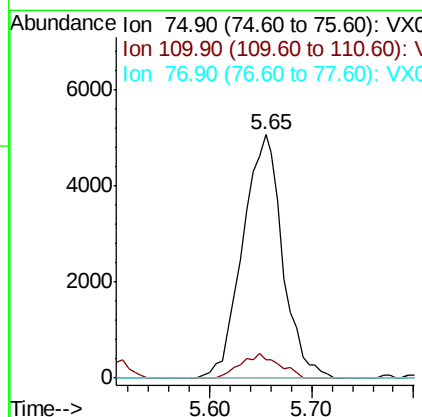
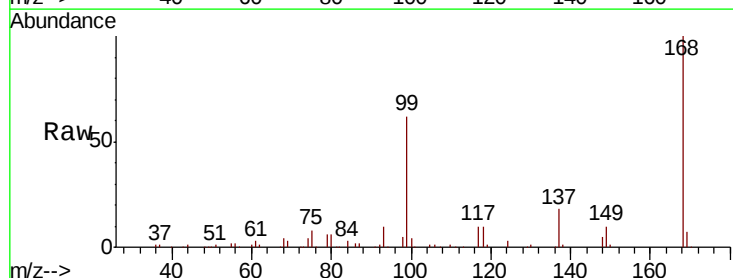
Instrument :
MSVOA_X
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FA19-JBW7106A

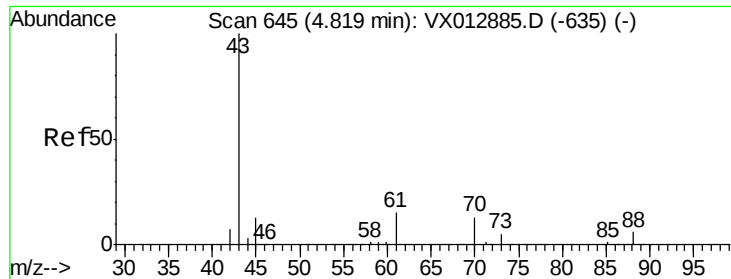
Tot Ion:113 Resp: 89173
Ion Ratio Lower Upper
113 100
111 104.7 83.2 124.8
192 19.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.229 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.13 min
Lab File: VX012941.D
Acq: 09 Oct 2019 14:36

Tgt Ion: 75 Resp: 13746
Ion Ratio Lower Upper
75 100
110 9.7 17.6 52.9#
77 0.0 24.4 36.6#

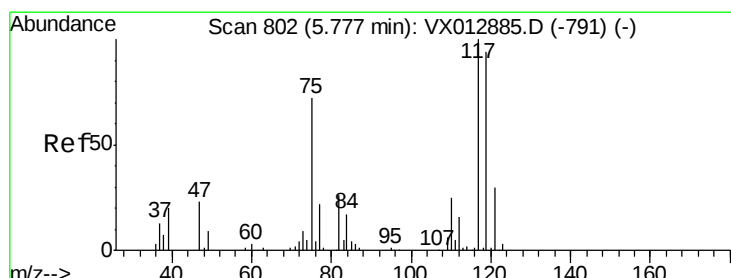
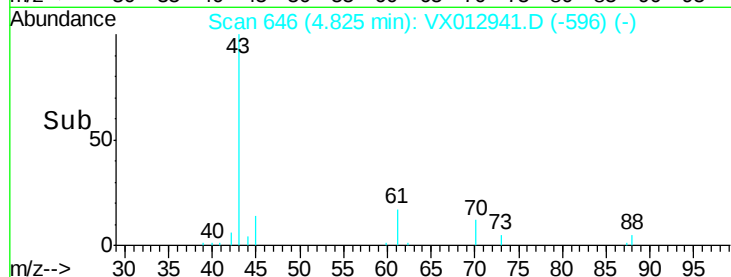
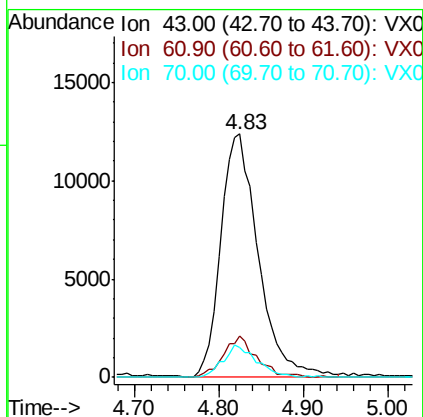
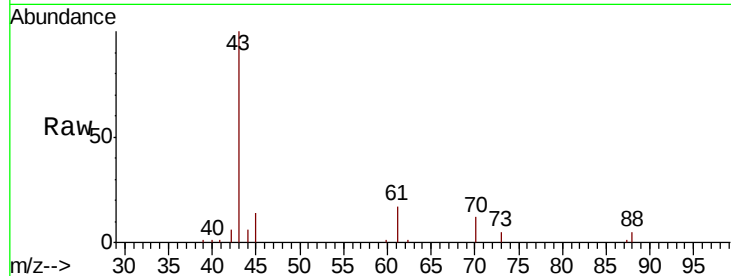




#37
Ethyl Acetate
Concen: 12.834 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012941.D
Acq: 09 Oct 2019 14:36

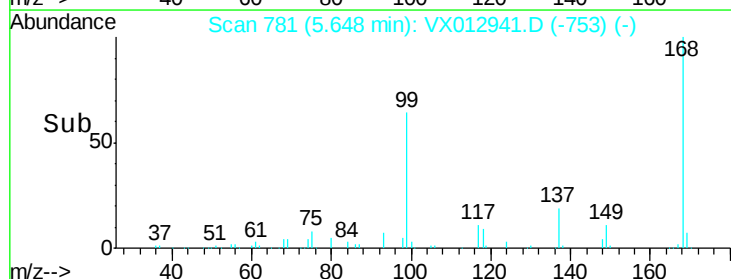
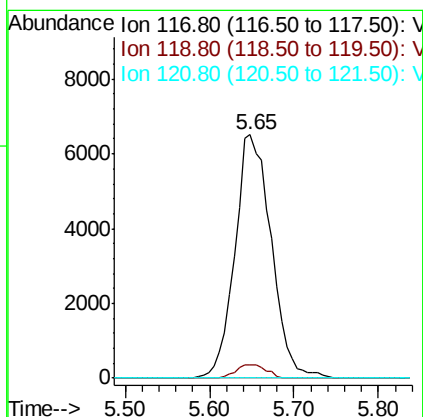
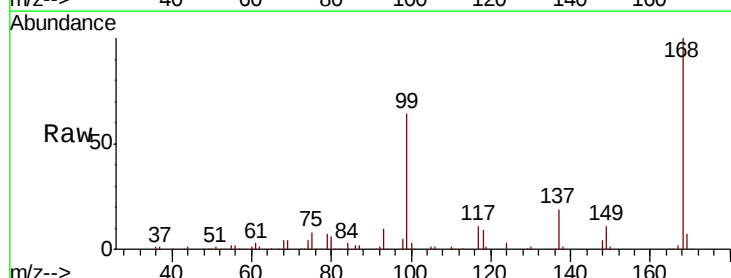
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7106A

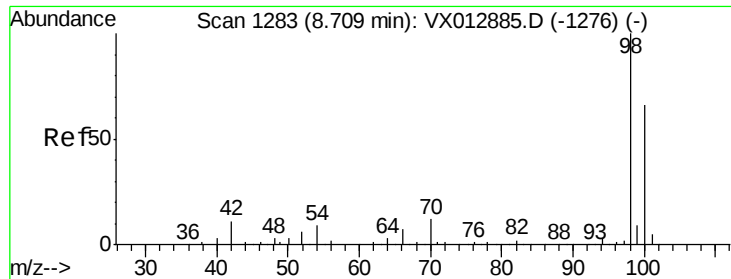
Tot Ion: 43 Resp: 37726
Ion Ratio Lower Upper
43 100
61 15.1 11.4 17.0
70 11.8 9.8 14.6



#38
Carbon Tetrachloride
Concen: 7.430 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012941.D
Acq: 09 Oct 2019 14:36

Tgt Ion: 117 Resp: 19011
Ion Ratio Lower Upper
117 100
119 5.2 74.5 111.7#
121 0.0 24.2 36.4#

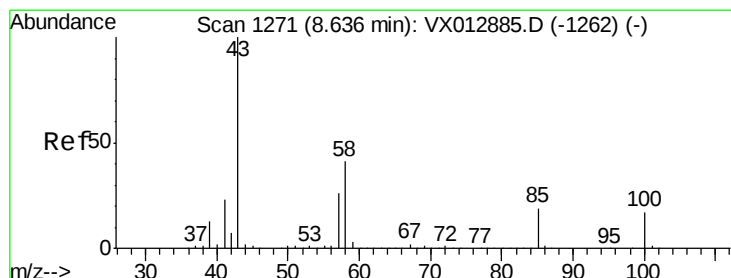
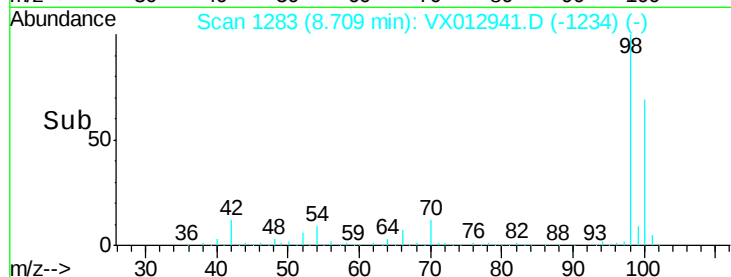
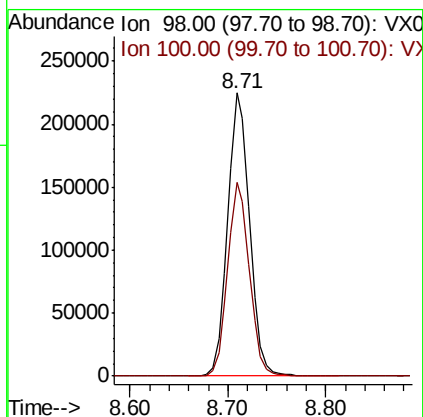
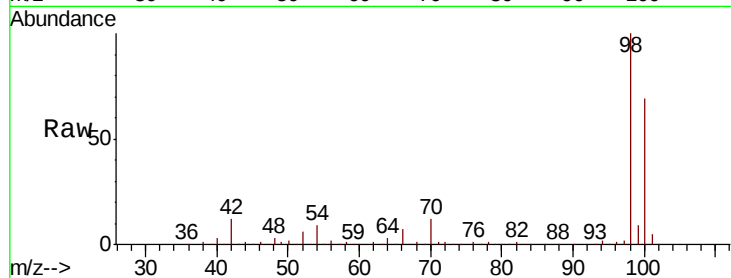




#50
Toluene-d8
Concen: 52.220 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012941.D
Acq: 09 Oct 2019 14:36

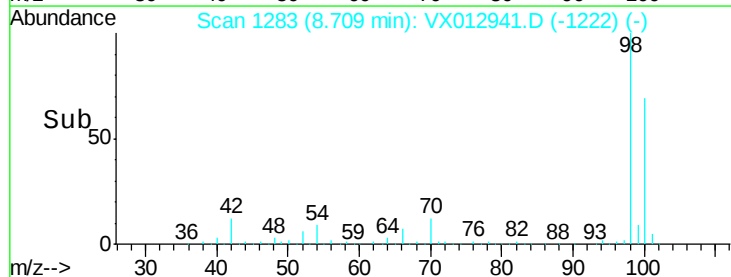
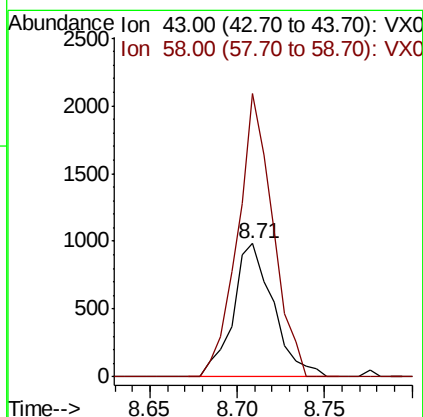
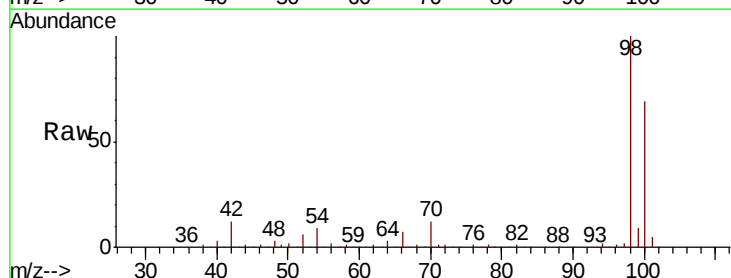
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7106A

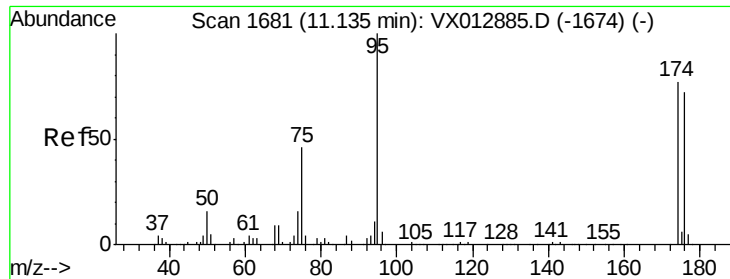
Tot Ion: 98 Resp: 349522
Ion Ratio Lower Upper
98 100
100 67.9 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012941.D
Acq: 09 Oct 2019 14:36

Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
58 185.8 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 45.175 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012941.D

Acq: 09 Oct 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7106A

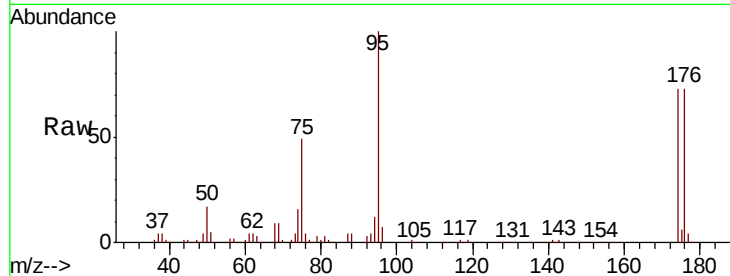
Tot Ion: 95 Resp: 117487

Ion Ratio Lower Upper

95 100

174 69.2 0.0 143.4

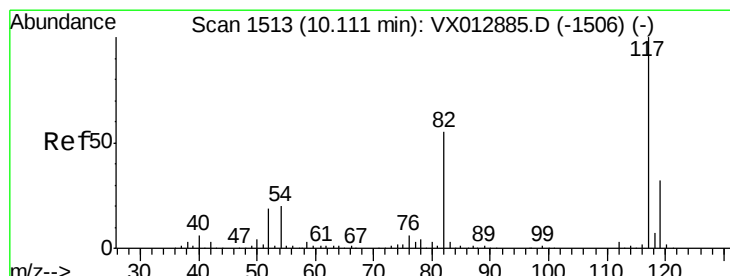
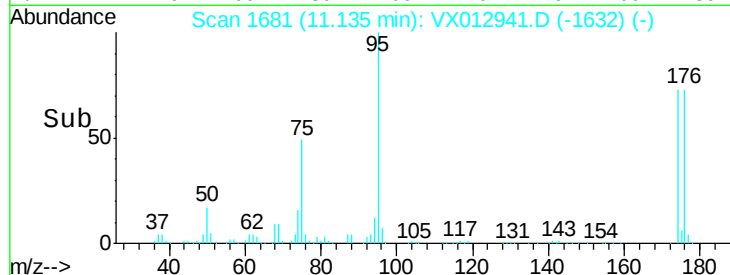
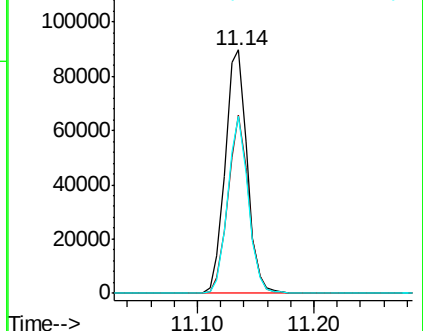
176 68.1 0.0 136.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012941.D

Acq: 09 Oct 2019 14:36

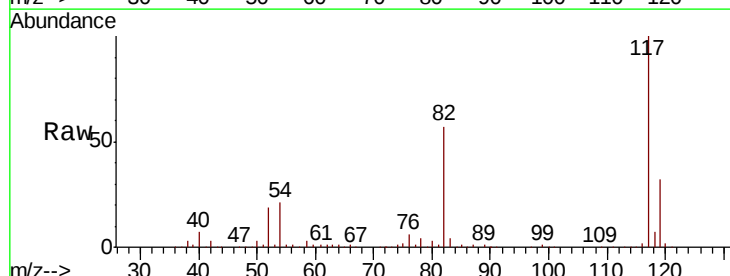
Tgt Ion: 117 Resp: 252986

Ion Ratio Lower Upper

117 100

82 56.9 44.1 66.1

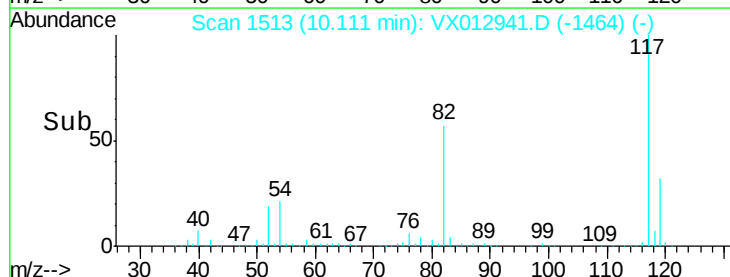
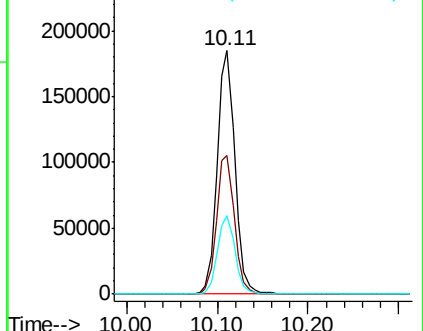
119 32.3 25.8 38.8

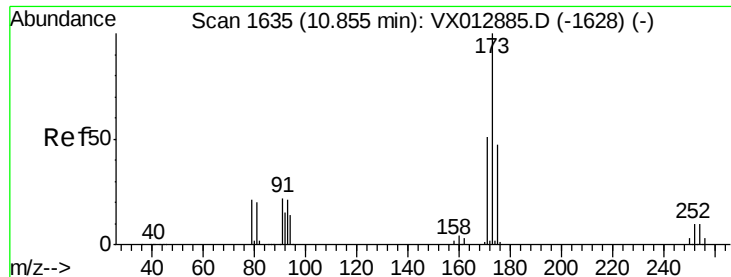


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

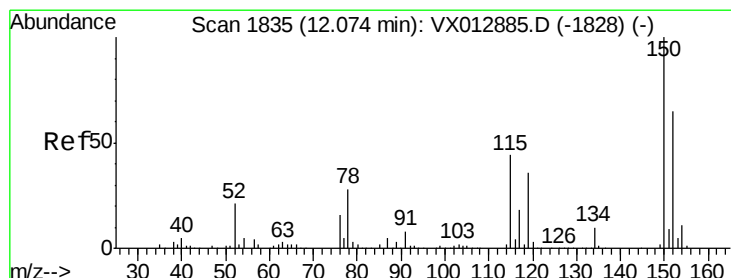
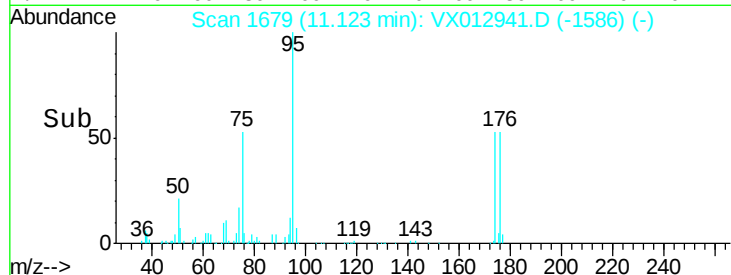
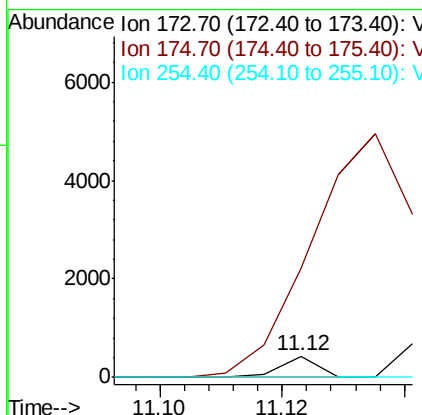
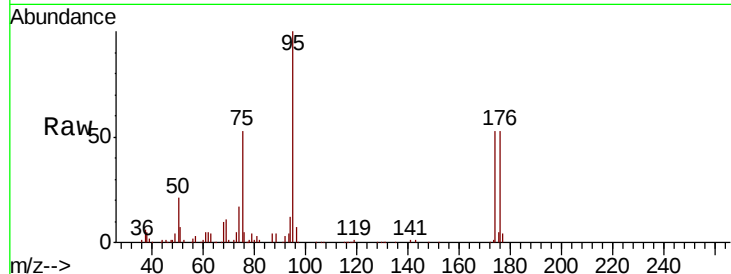




#71
Bromoform
Concen: 3.245 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.27 min
Lab File: VX012941.D
Acq: 09 Oct 2019 14:36

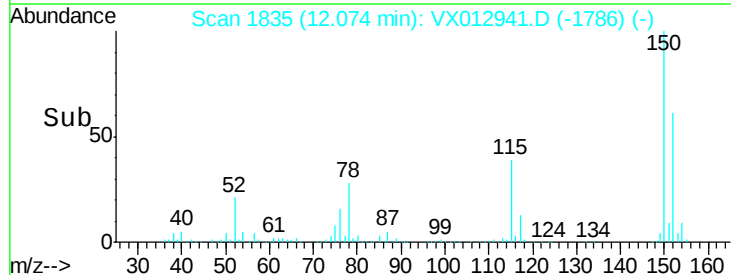
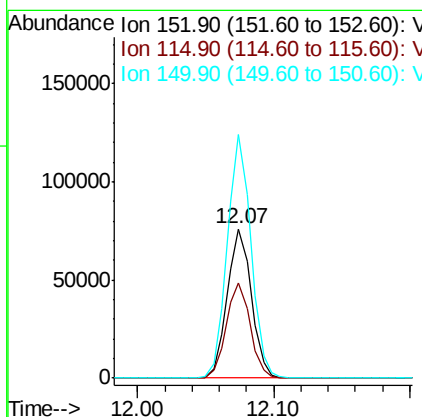
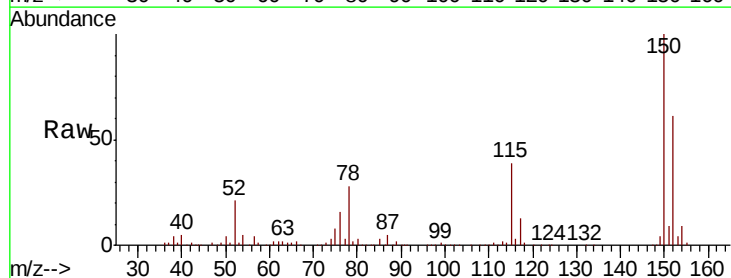
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7106A

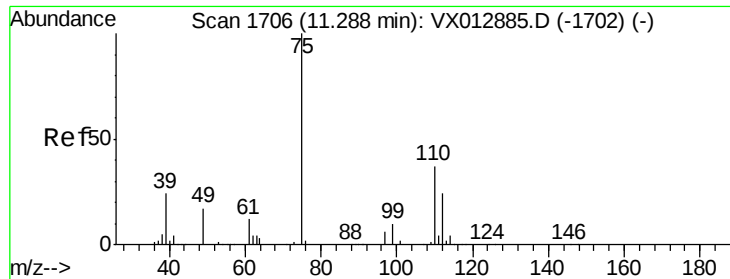
Tot Ion:173 Resp: 178
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012941.D
Acq: 09 Oct 2019 14:36

Tgt Ion:152 Resp: 93825
Ion Ratio Lower Upper
152 100
115 63.4 44.5 133.5
150 159.9 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 28.081 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012941.D

Acq: 09 Oct 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

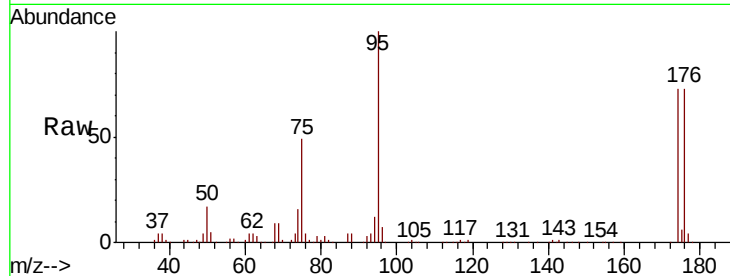
FA19-JBW7106A

Tot Ion: 75 Resp: 58437

Ion Ratio Lower Upper

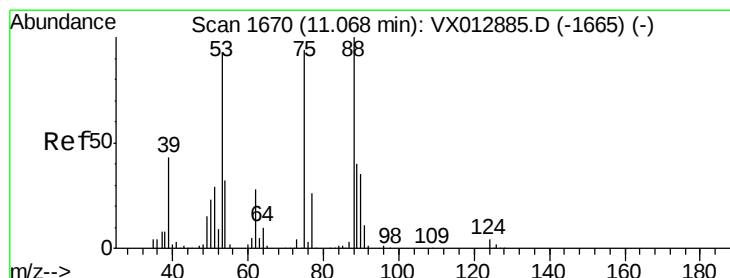
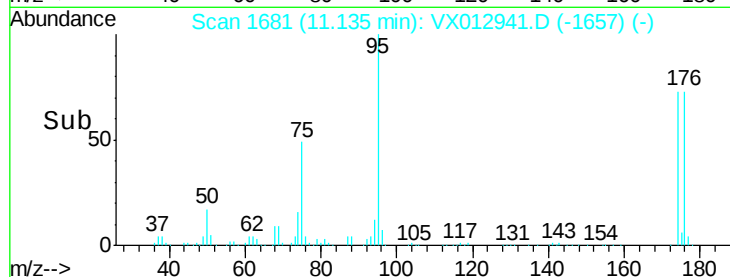
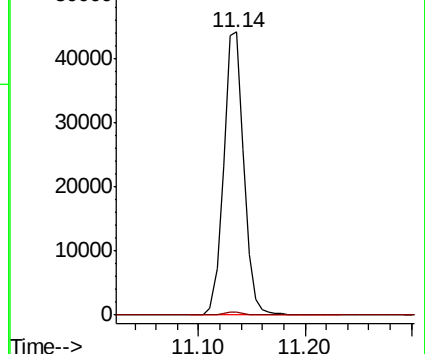
75 100

77 1.2 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: 70.395 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012941.D

Acq: 09 Oct 2019 14:36

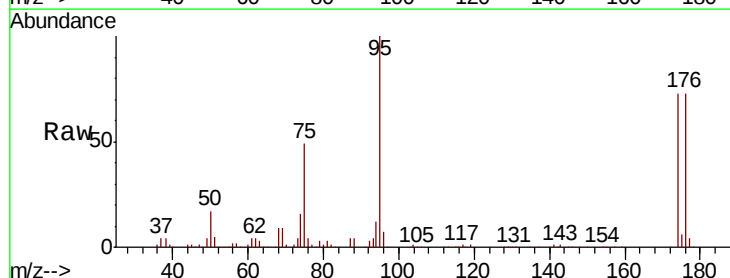
Tgt Ion: 75 Resp: 58437

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

