

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012914.D
 Acq On : 09 Oct 2019 01:59
 Operator : JC/SP
 Sample : K5232-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-056-MW02

Quant Time: Oct 09 03:47:23 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	182619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	311653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105904	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	120498	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
35) Dibromofluoromethane	5.49	113	92049	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
50) Toluene-d8	8.71	98	366160	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.14	95	127041	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	

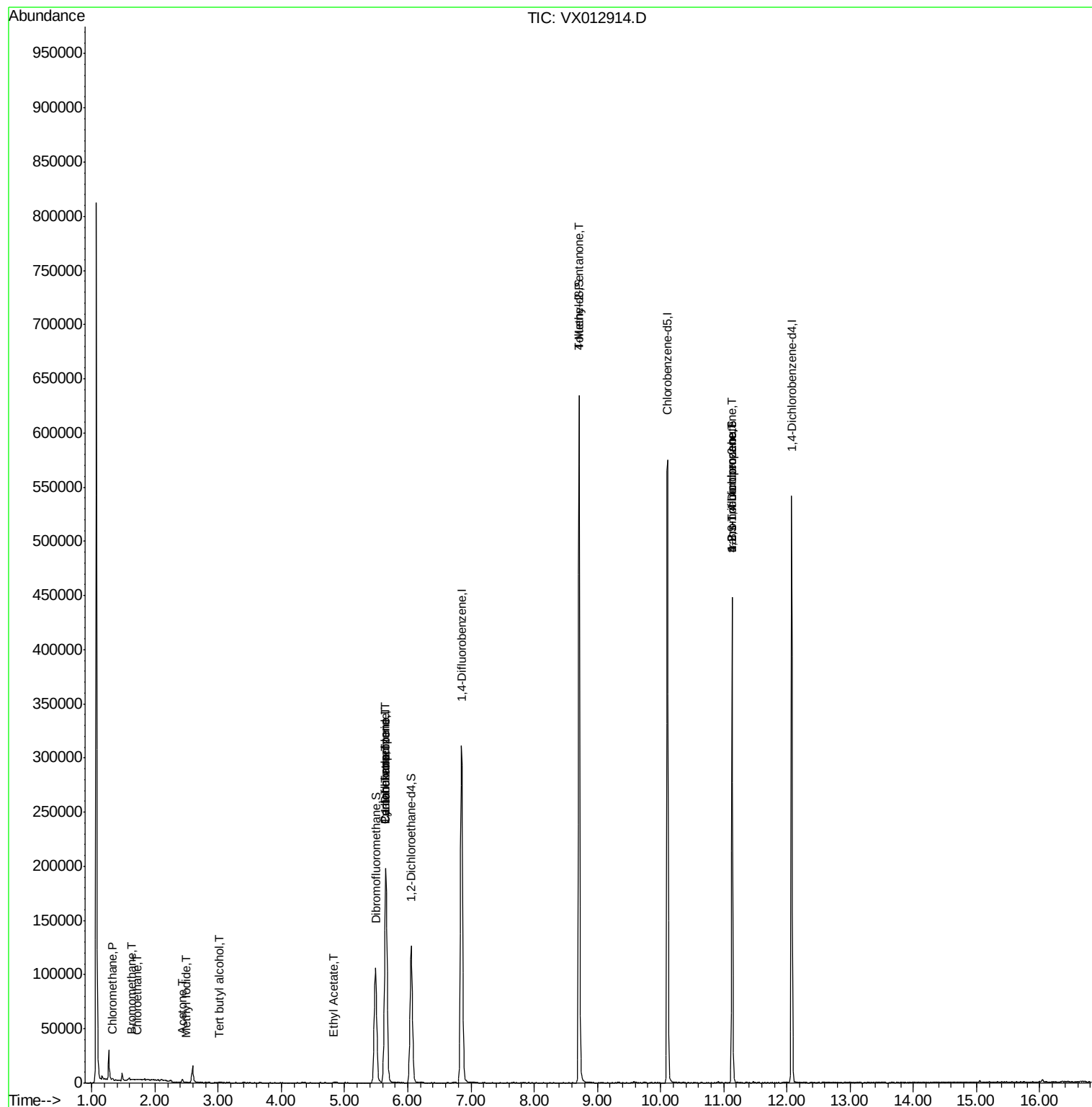
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	491	0.242	ug/l #	72
5) Bromomethane	1.64	94	259	0.298	ug/l	98
6) Chloroethane	1.72	64	195	0.519	ug/l #	43
10) Methyl Iodide	2.50	142	26	5.093	ug/l #	40
11) Tert butyl alcohol	3.01	59	485	0.802	ug/l #	72
16) Acetone	2.43	43	3368	2.799	ug/l	97
31) Cyclohexane	5.65	56	4037	1.219	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15012	5.479	ug/l #	50
37) Ethyl Acetate	4.83	43	1701	0.555	ug/l #	81
38) Carbon Tetrachloride	5.65	117	19000	7.124	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1512	0.493	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	62543	26.626	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	62543	66.960	ug/l #	10

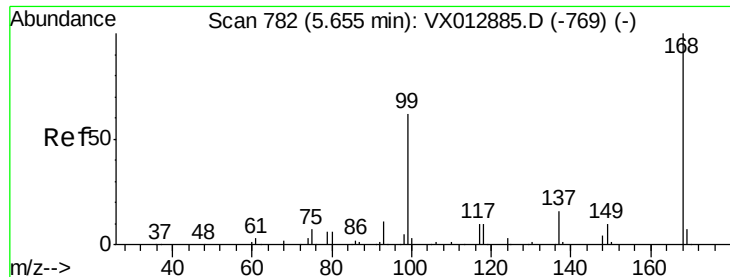
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012914.D

Acq: 09 Oct 2019 01:59

Instrument :

MSVOA_X

ClientSampleId :

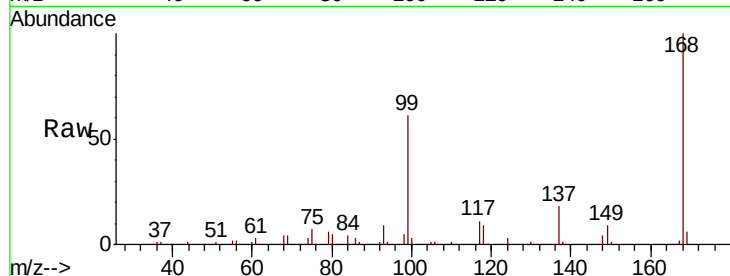
FA19-056-MW02

Tot Ion:168 Resp: 182619

Ion Ratio Lower Upper

168 100

99 60.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

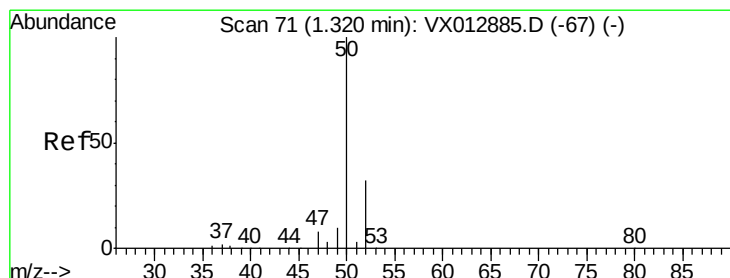
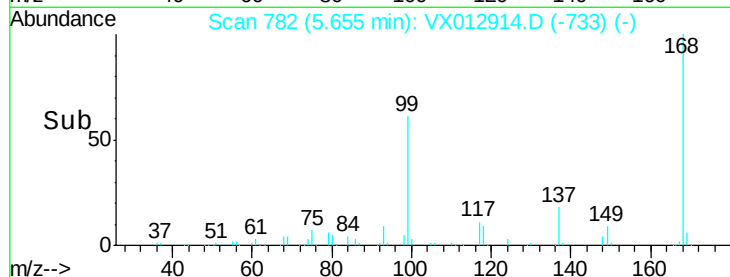
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.242 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012914.D

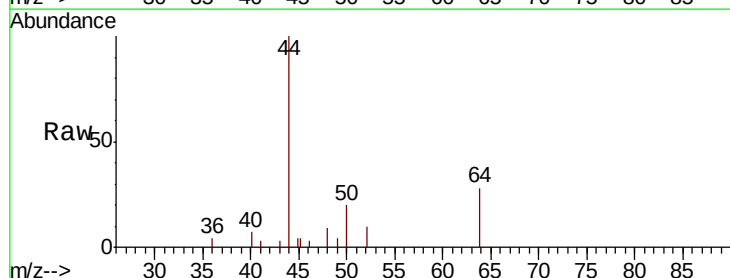
Acq: 09 Oct 2019 01:59

Tgt Ion: 50 Resp: 491

Ion Ratio Lower Upper

50 100

52 47.1 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

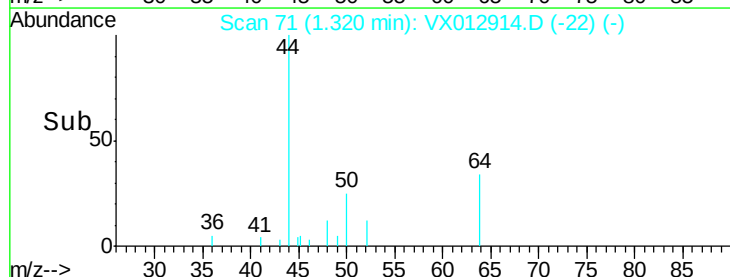
300

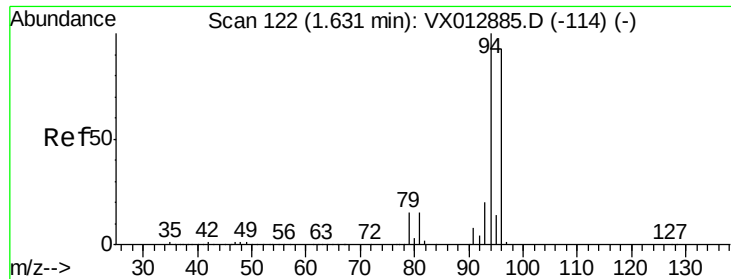
200

100

0

Time--> 1.28 1.30 1.32 1.34 1.36

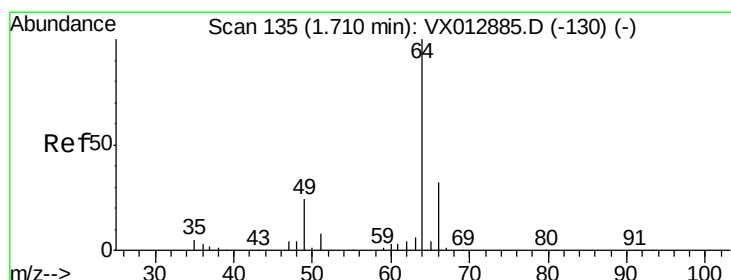
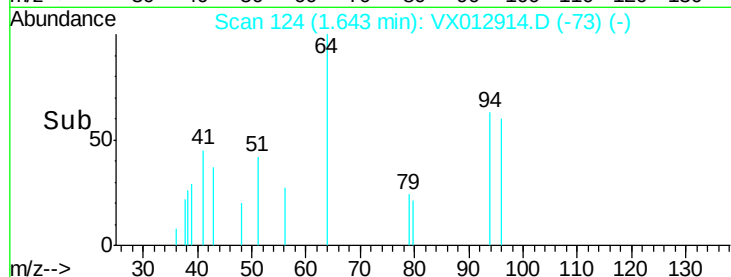
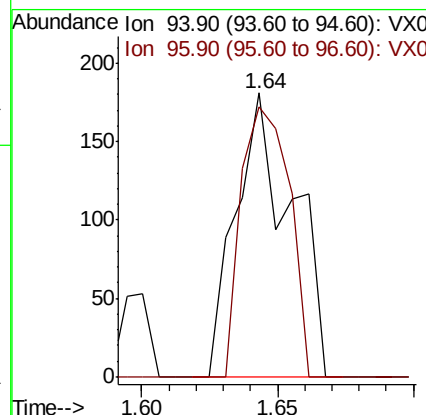
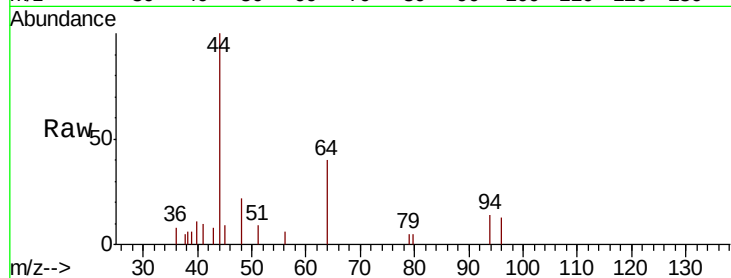




#5
Bromomethane
Concen: 0.298 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX012914.D
Acq: 09 Oct 2019 01:59

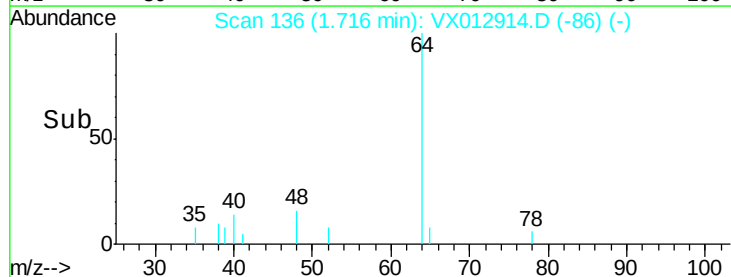
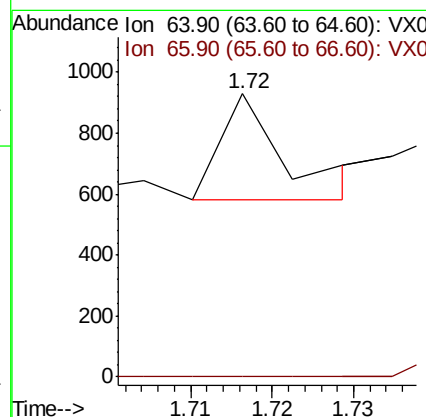
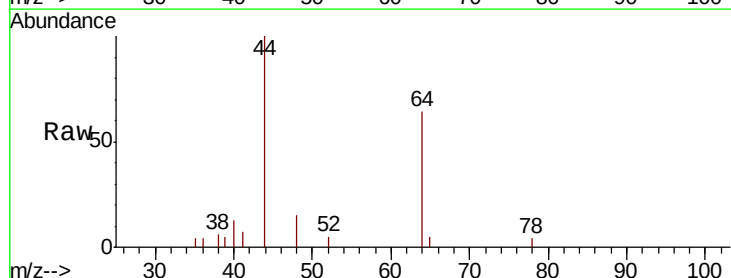
Instrument :
MSVOA_X
ClientSampleId :
FA19-056-MW02

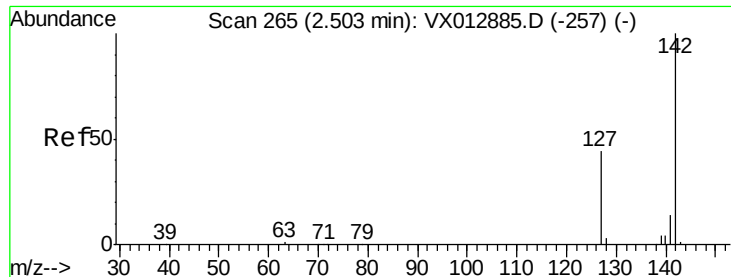
Tot Ion: 94 Resp: 259
Ion Ratio Lower Upper
94 100
96 95.0 74.7 112.1



#6
Chloroethane
Concen: 0.519 ug/l
RT: 1.72 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX012914.D
Acq: 09 Oct 2019 01:59

Tgt Ion: 64 Resp: 195
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#

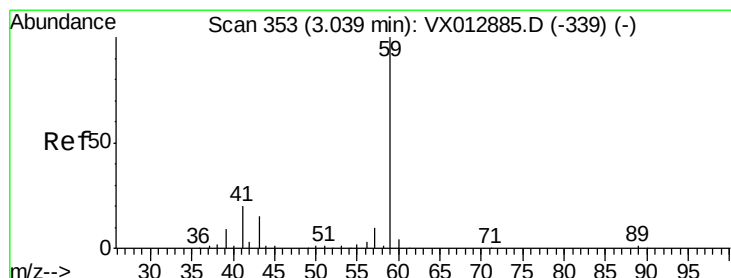
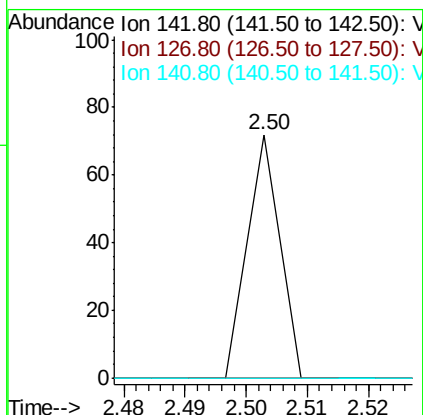
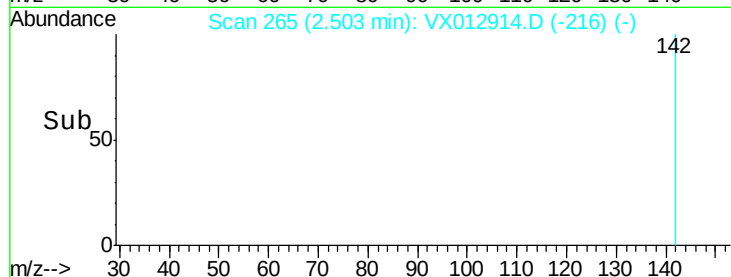
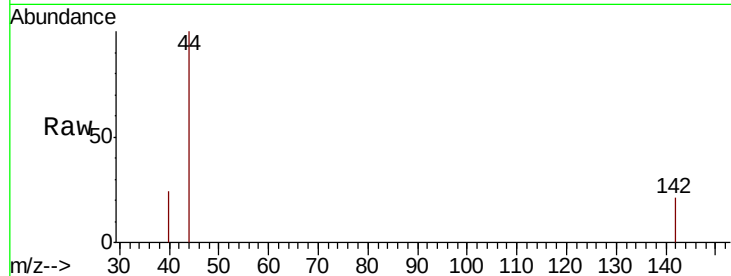




#10
Methvl Iodide
Concen: 5.093 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX012914.D
Acq: 09 Oct 2019 01:59

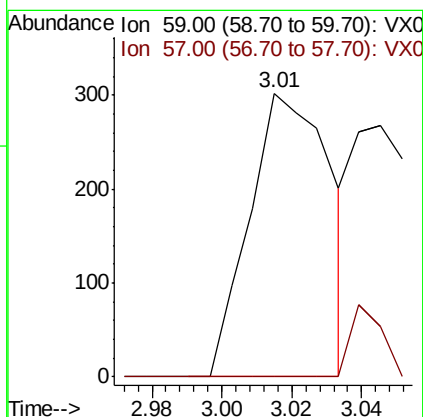
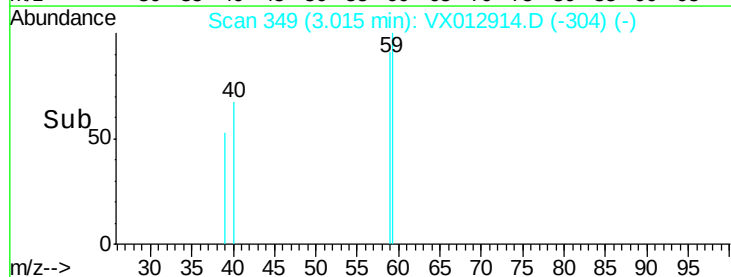
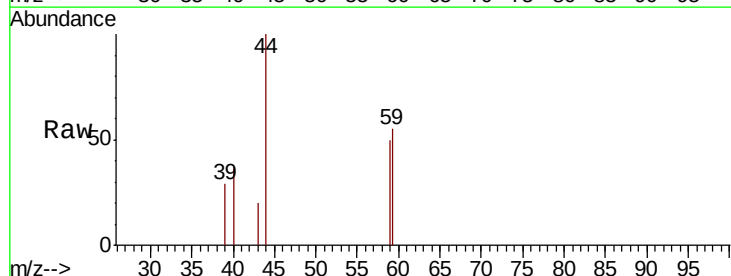
Instrument :
MSVOA_X
ClientSampleId :
FA19-056-MW02

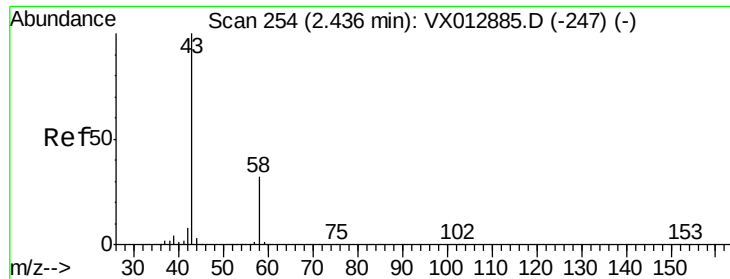
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	34.9	52.3#
141	0.0	11.6	17.4#



#11
Tert butyl alcohol
Concen: 0.802 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012914.D
Acq: 09 Oct 2019 01:59

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





#16

Acetone

Concen: 2.799 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012914.D

Acq: 09 Oct 2019 01:59

Instrument :

MSVOA_X

ClientSampleId :

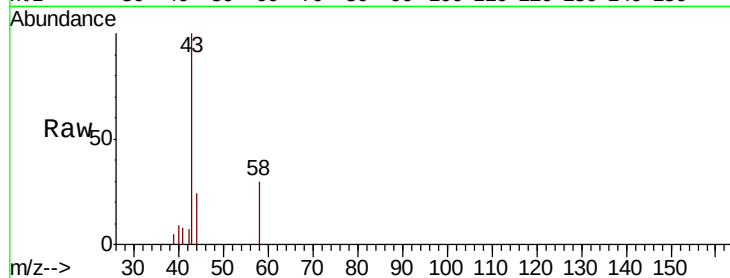
FA19-056-MW02

Tot Ion: 43 Resp: 3368

Ion Ratio Lower Upper

43 100

58 30.1 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

2000

1500

1000

500

0

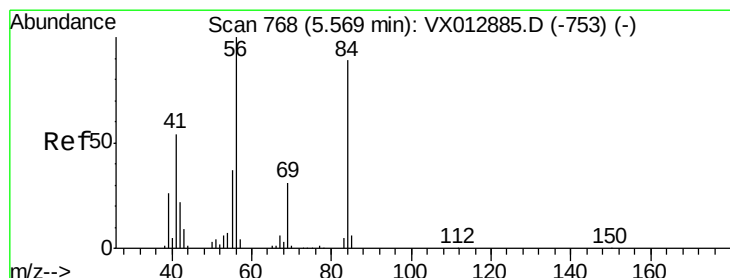
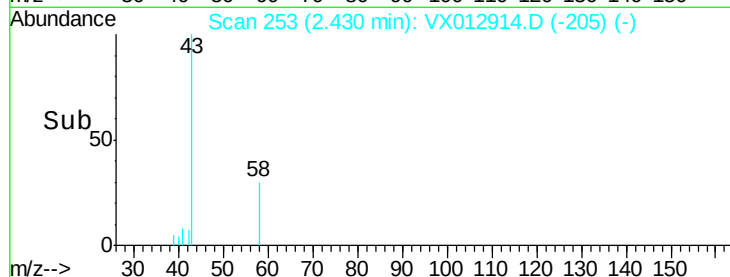
Time-->

2.35

2.40

2.45

2.50



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012914.D

Acq: 09 Oct 2019 01:59

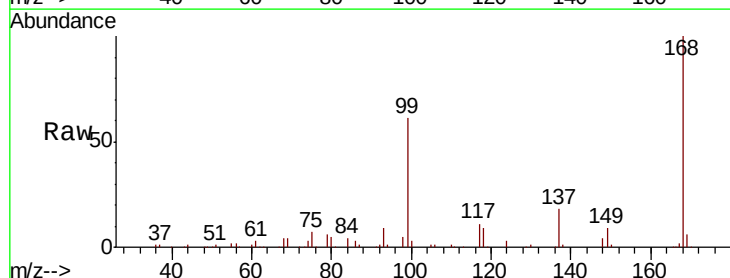
Tgt Ion: 56 Resp: 4037

Ion Ratio Lower Upper

56 100

69 183.7 25.2 37.8#

84 174.9 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

3000

2000

1000

0

Time-->

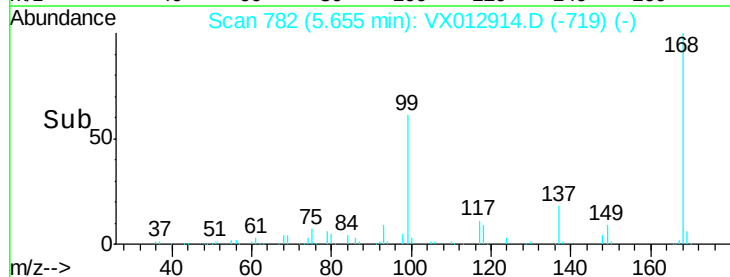
5.55

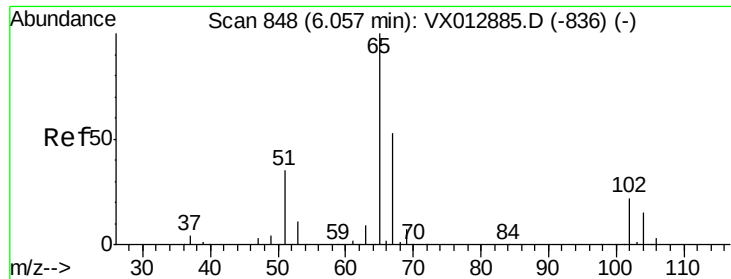
5.60

5.65

5.70

5.75

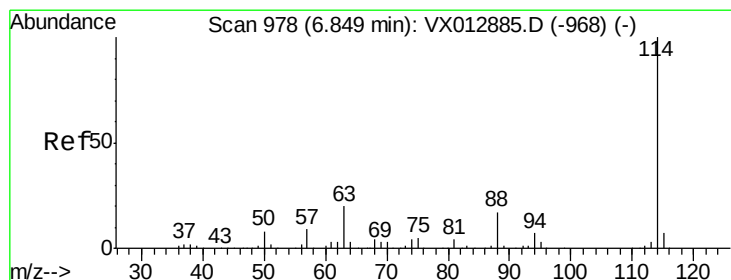
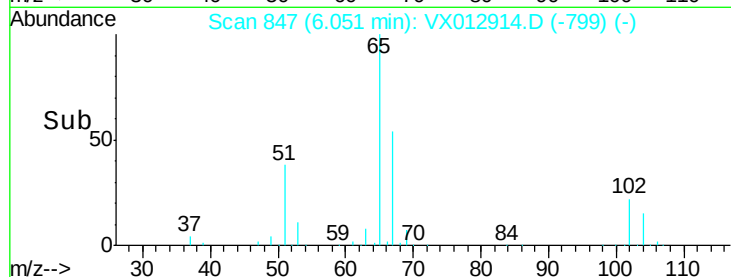
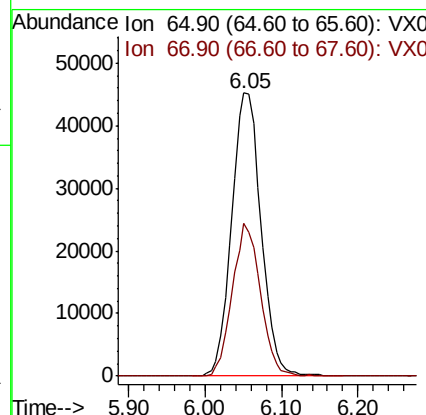
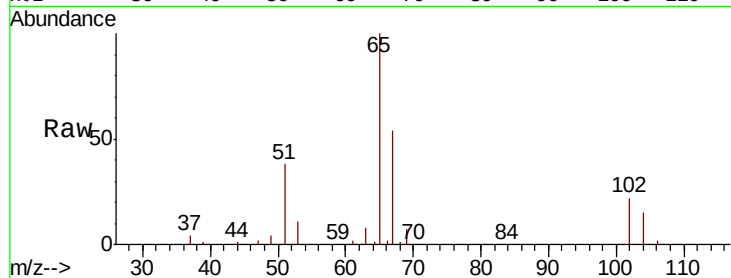




#33
 1,2-Dichloroethane-d4
 Concen: 52.792 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012914.D
 Acq: 09 Oct 2019 01:59

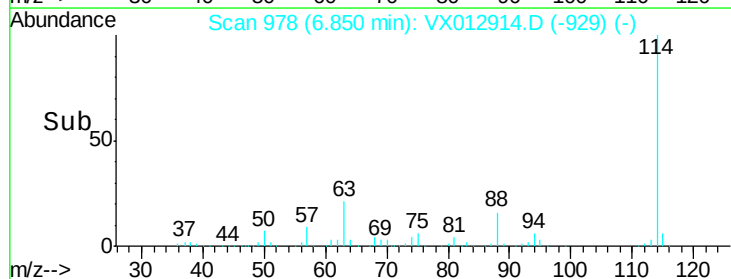
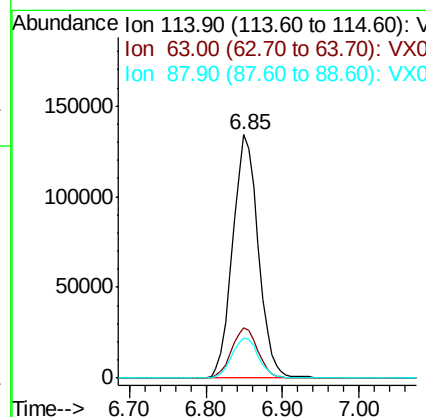
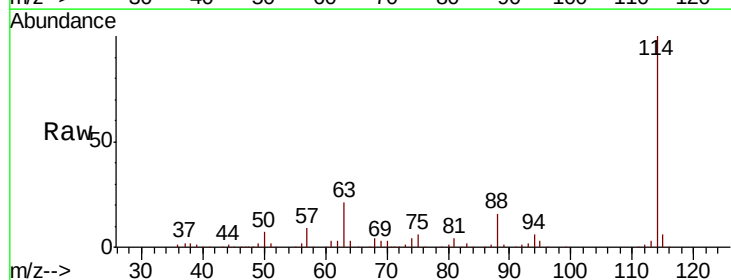
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-056-MW02

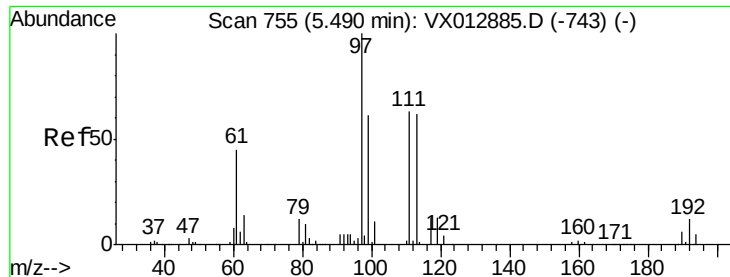
Tot Ion: 65 Resp: 120498
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012914.D
 Acq: 09 Oct 2019 01:59

Tgt Ion: 114 Resp: 311653
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.461 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012914.D

Acq: 09 Oct 2019 01:59

Instrument :

MSVOA_X

ClientSampleId :

FA19-056-MW02

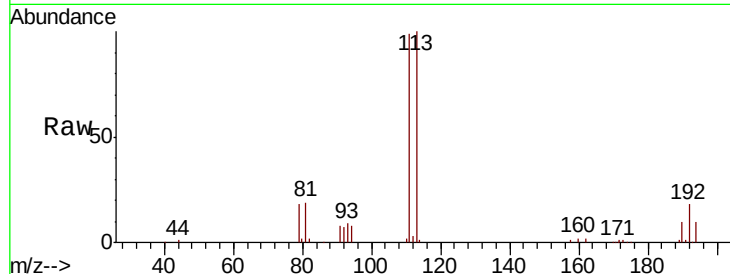
Tot Ion:113 Resp: 92049

Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

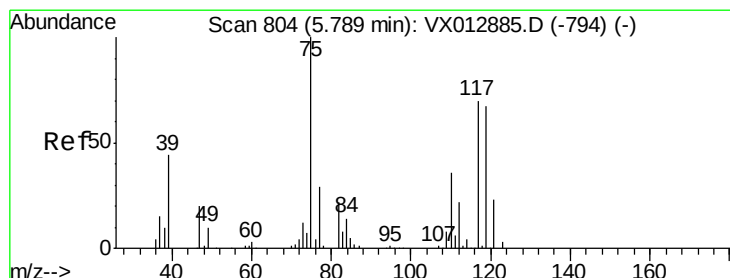
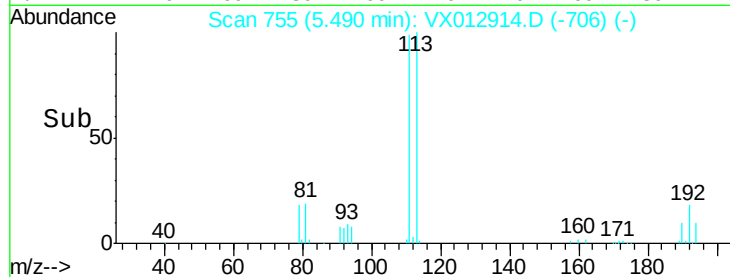
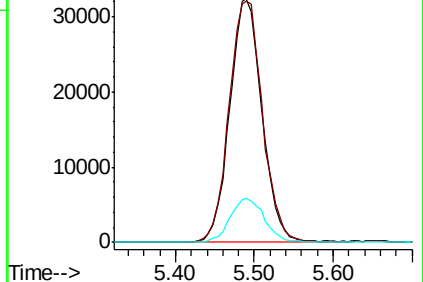
192 19.0 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.479 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012914.D

Acq: 09 Oct 2019 01:59

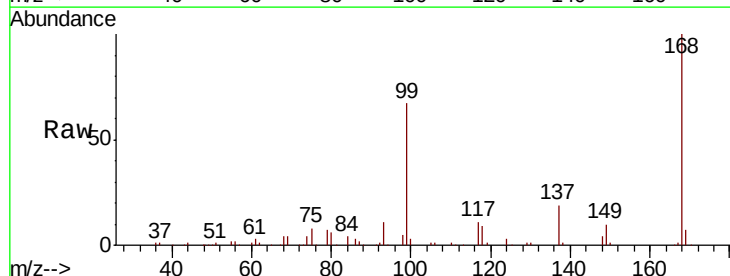
Tgt Ion: 75 Resp: 15012

Ion Ratio Lower Upper

75 100

110 8.8 17.6 52.9#

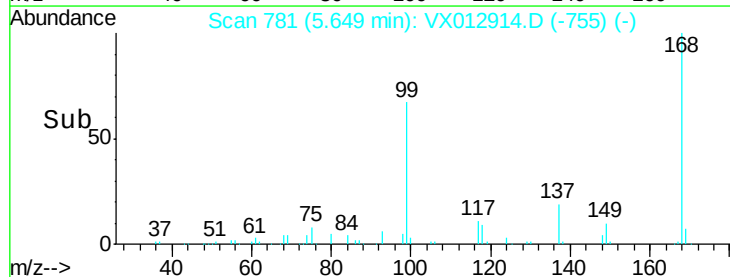
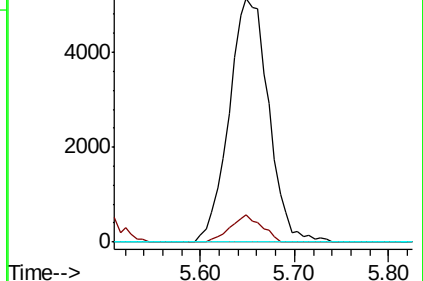
77 0.0 24.4 36.6#

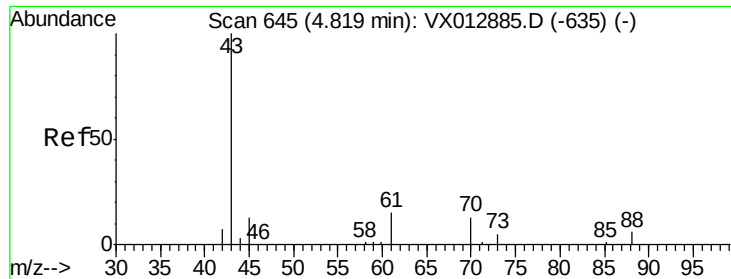


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.555 ug/l

RT: 4.83 min Scan# 647

Delta R.T. 0.01 min

Lab File: VX012914.D

Acq: 09 Oct 2019 01:59

Instrument :

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ClientSampleId :

FA19-056-MW02

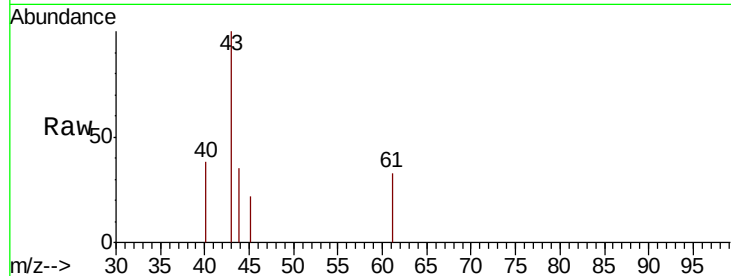
Tot Ion: 43 Resp: 1701

Ion Ratio Lower Upper

43 100

61 10.9 11.4 17.0#

70 0.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

4.83

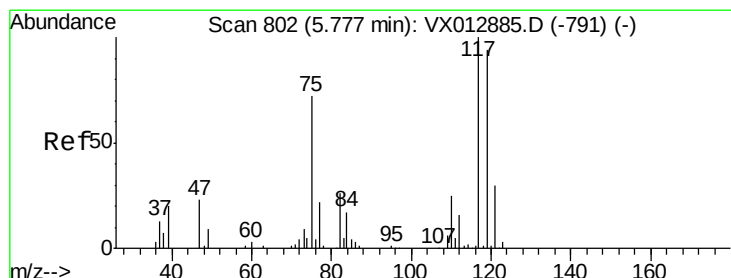
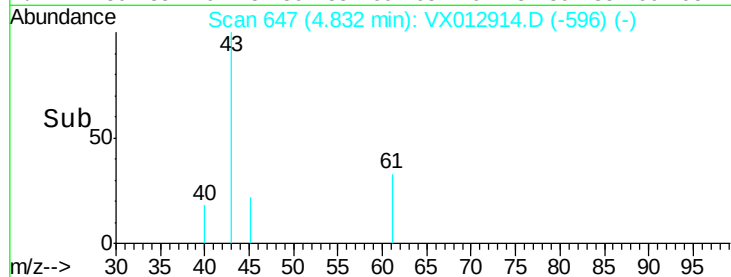
400

200

0

4.75 4.80 4.85 4.90 4.95

Time-->



#38

Carbon Tetrachloride

Concen: 7.124 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012914.D

Acq: 09 Oct 2019 01:59

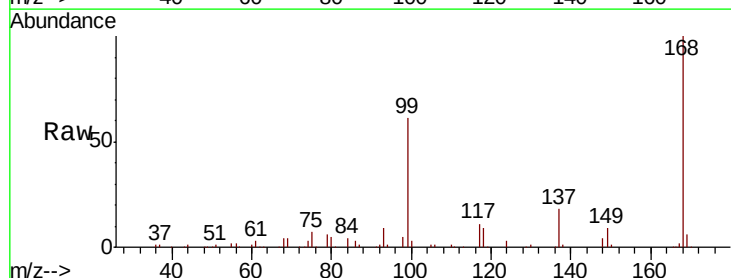
Tgt Ion: 117 Resp: 19000

Ion Ratio Lower Upper

117 100

119 3.6 74.5 111.7#

121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

10000

8000

6000

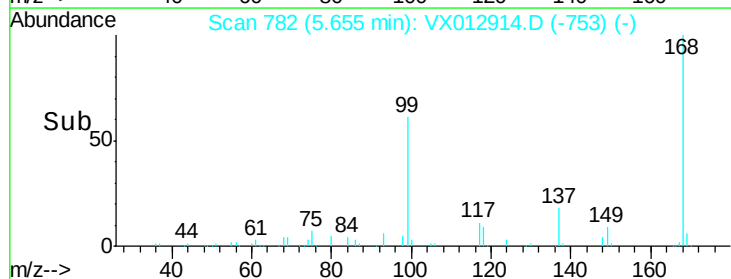
4000

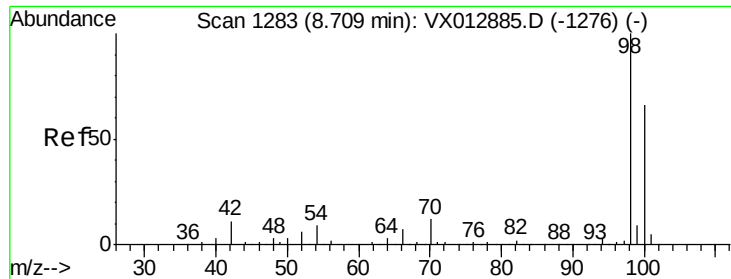
2000

0

5.60 5.70

Time-->

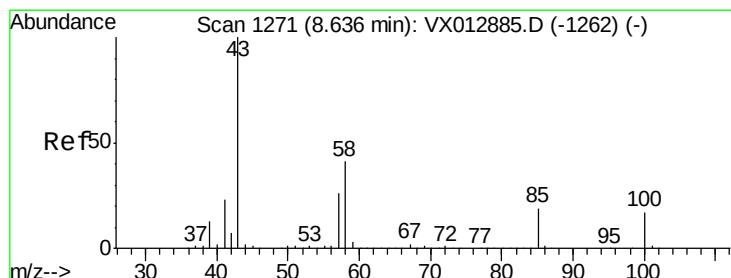
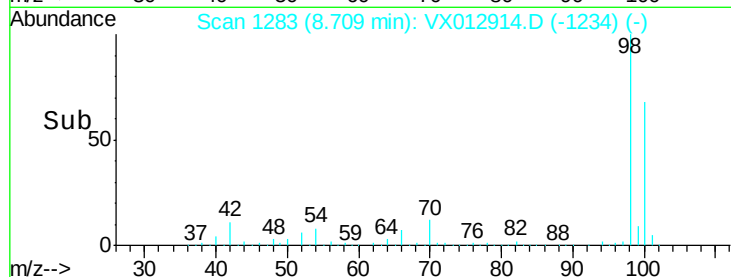
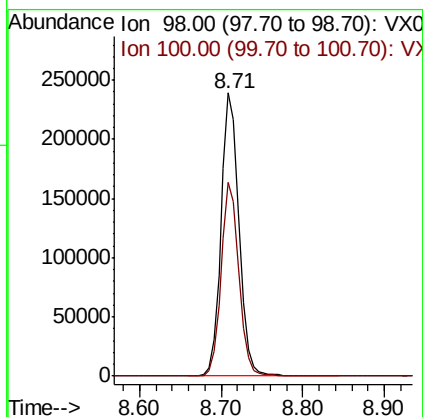
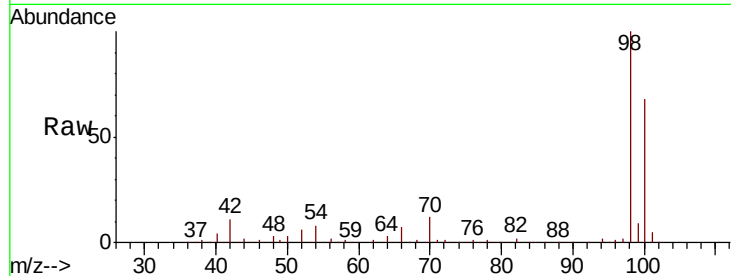




#50
Toluene-d8
Concen: 52.485 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012914.D
Acq: 09 Oct 2019 01:59

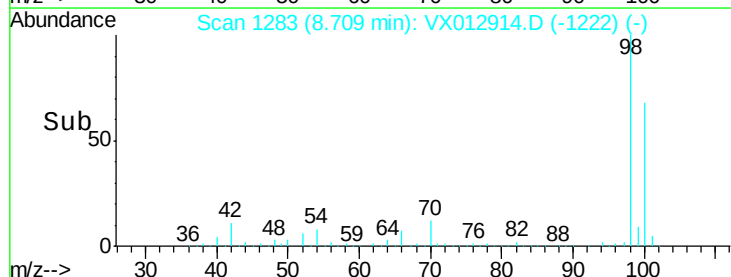
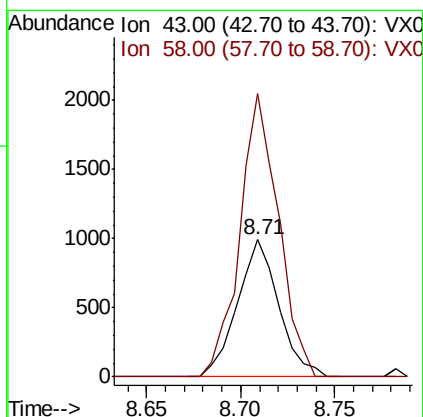
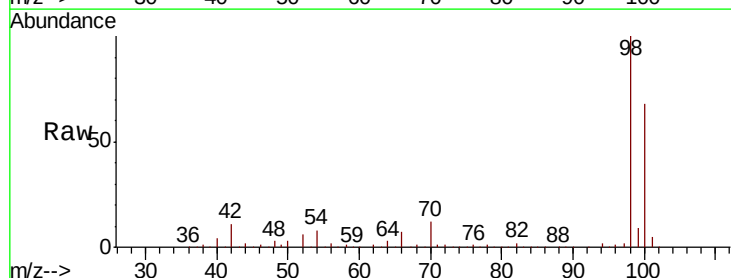
Instrument :
MSVOA_X
ClientSampleId :
FA19-056-MW02

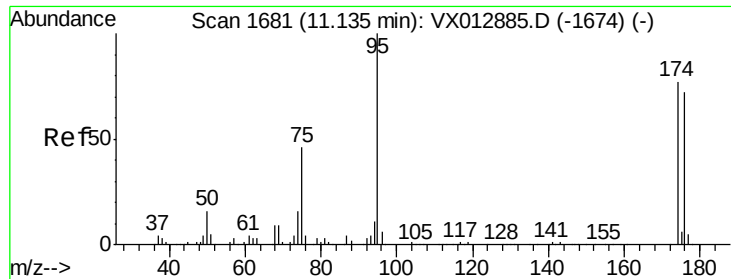
Tot Ion: 98 Resp: 366160
Ion Ratio Lower Upper
98 100
100 67.7 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.493 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012914.D
Acq: 09 Oct 2019 01:59

Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
58 192.7 32.4 48.6#

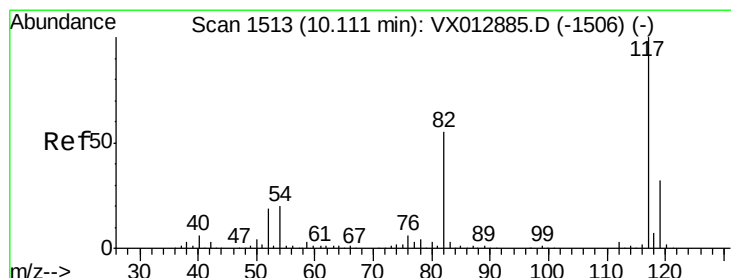
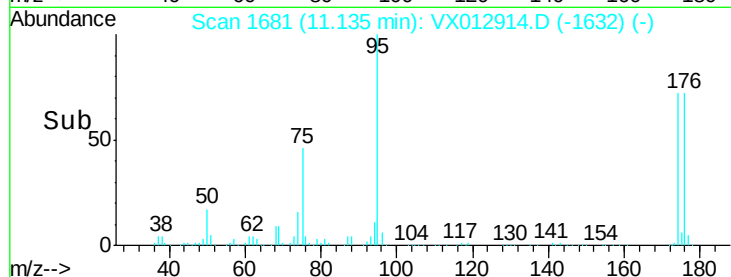
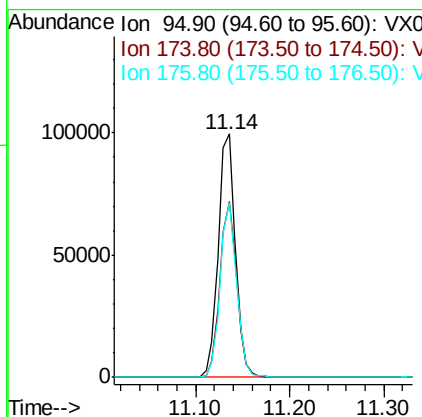
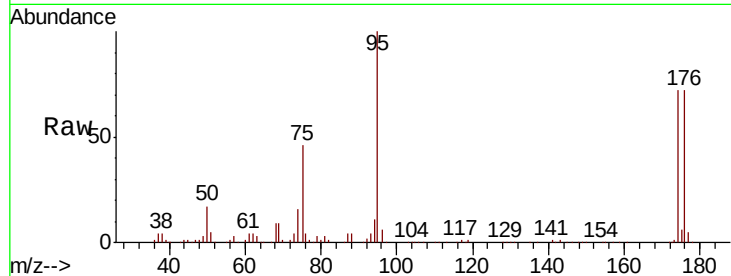




#62
 4-Bromofluorobenzene
 Concen: 46.866 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012914.D
 Acq: 09 Oct 2019 01:59

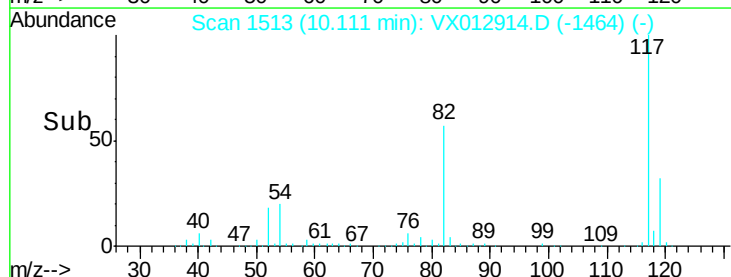
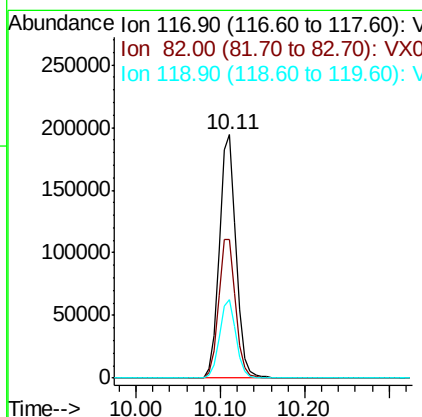
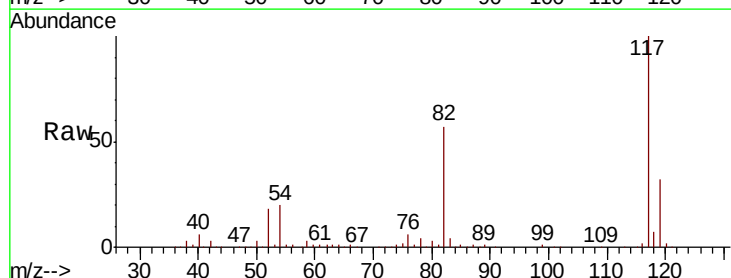
Instrument :
 MSVOA_X
 ClientSampled :
 FA19-056-MW02

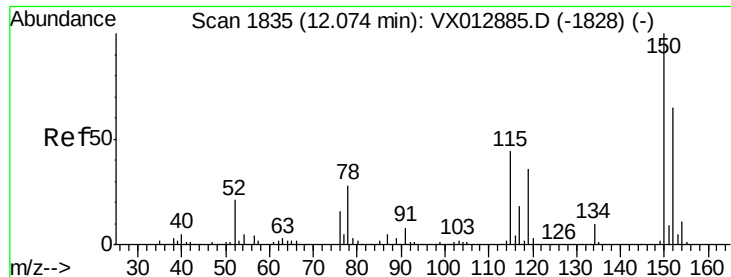
Tot Ion	95	Resp	127041
Ion Ratio	Lower	Upper	
95	100		
174	70.6	0.0	143.4
176	68.9	0.0	136.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012914.D
 Acq: 09 Oct 2019 01:59

Tgt Ion	117	Resp	265959
Ion Ratio	Lower	Upper	
117	100		
82	56.9	44.1	66.1
119	32.3	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012914.D

Acq: 09 Oct 2019 01:59

Instrument :

MSVOA_X

ClientSampled :

FA19-056-MW02

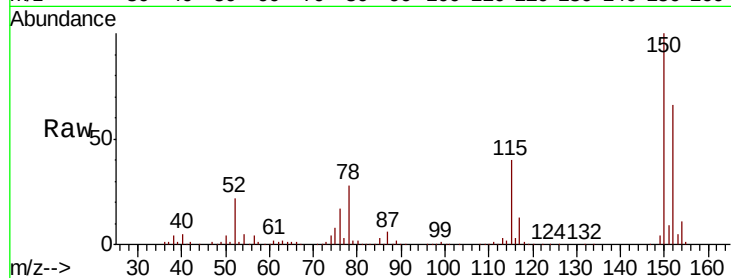
Tot Ion:152 Resp: 105904

Ion Ratio Lower Upper

152 100

115 63.8 44.5 133.5

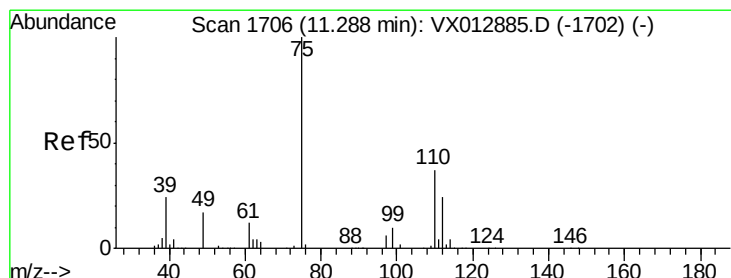
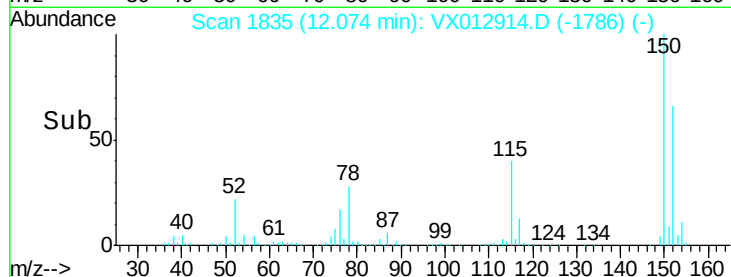
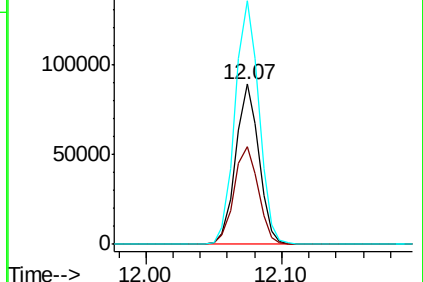
150 156.3 0.0 353.4



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: 26.626 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012914.D

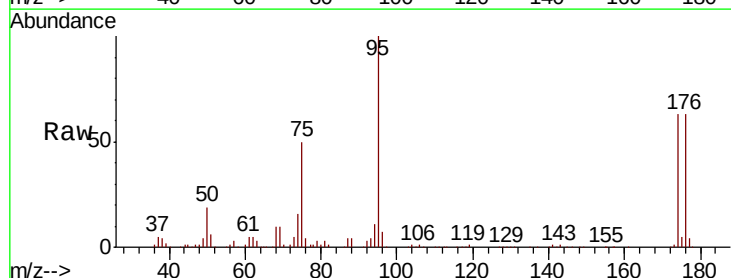
Acq: 09 Oct 2019 01:59

Tgt Ion: 75 Resp: 62543

Ion Ratio Lower Upper

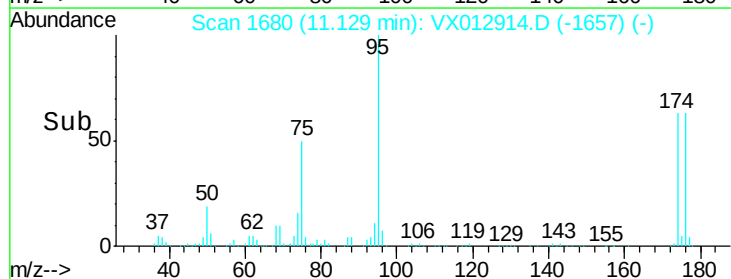
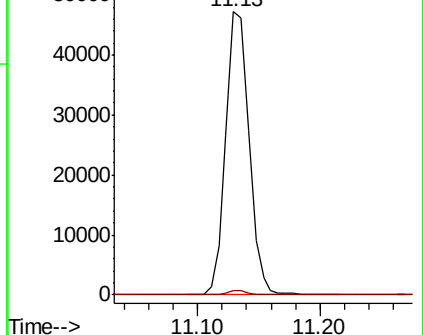
75 100

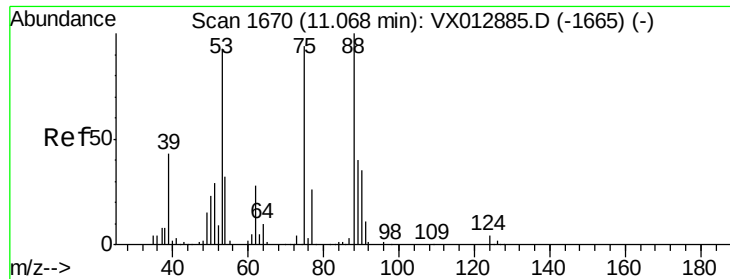
77 1.3 22.9 68.8#



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: 66.960 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012914.D

Acq: 09 Oct 2019 01:59

Instrument :

MSVOA_X

ClientSampleId :

FA19-056-MW02

Tot Ion: 75 Resp: 62543

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

