

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062519\
 Data File : VX010441.D
 Acq On : 25 Jun 2019 18:15
 Operator : JC/SP
 Sample : K3519-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-19-LF2MW1

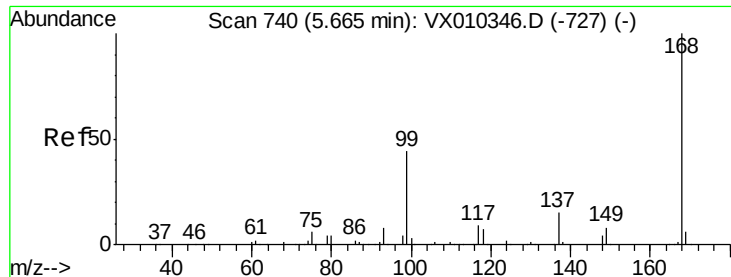
Quant Time: Jun 26 01:22:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	416567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	372205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171971	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	128726	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
35) Dibromofluoromethane	5.50	113	127790	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	8.71	98	489216	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	160667	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	480	0.418	ug/l #	76
6) Chloroethane	1.68	64	300	0.216	ug/l	96
11) Tert butyl alcohol	3.02	59	2483	3.811	ug/l #	90
13) Acrolein	2.28	56	276	0.639	ug/l #	14
16) Acetone	2.45	43	493	0.395	ug/l #	39
18) Methyl Acetate	2.78	43	604	0.243	ug/l #	54
29) Tetrahydrofuran	5.12	42	273	0.241	ug/l #	41
31) Cyclohexane	5.66	56	4600	1.279	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17268	5.216	ug/l #	47
38) Carbon Tetrachloride	5.67	117	23521	6.562	ug/l #	15
49) 1,4-Dioxane	7.73	88	19	0.252	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	76472	24.403	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	76472	56.929	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010441.D

Acq: 25 Jun 2019 18:15

Instrument :

MSVOA_X

ClientSampled :

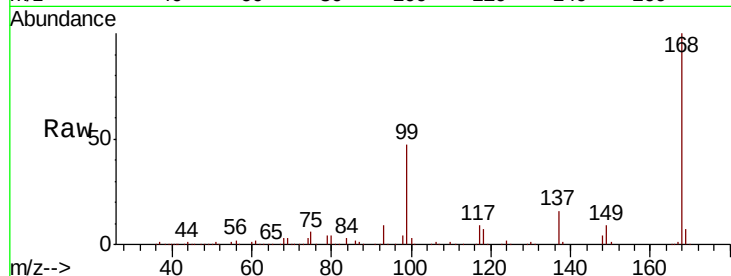
SP-19-LF2MW1

Tot Ion:168 Resp: 265535

Ion Ratio Lower Upper

168 100

99 46.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

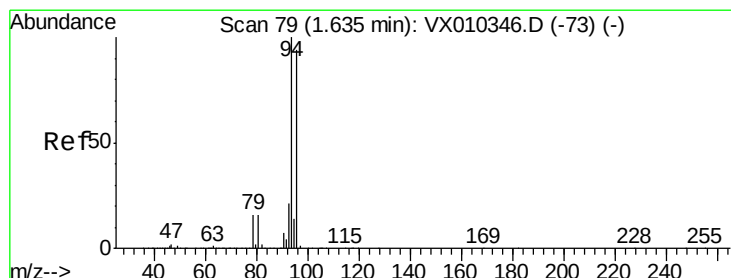
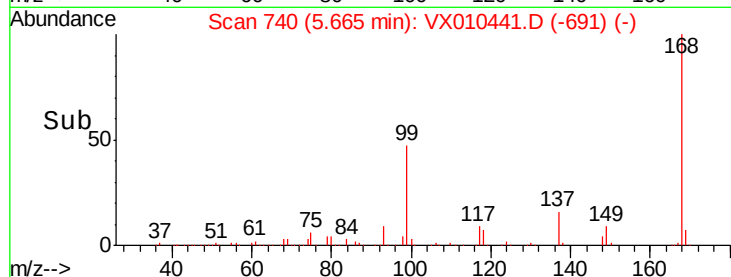
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.418 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010441.D

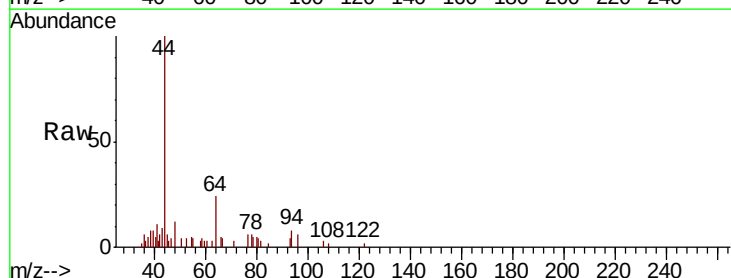
Acq: 25 Jun 2019 18:15

Tgt Ion: 94 Resp: 480

Ion Ratio Lower Upper

94 100

96 71.4 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

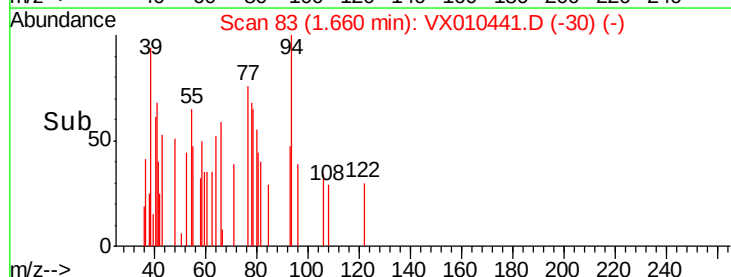
150

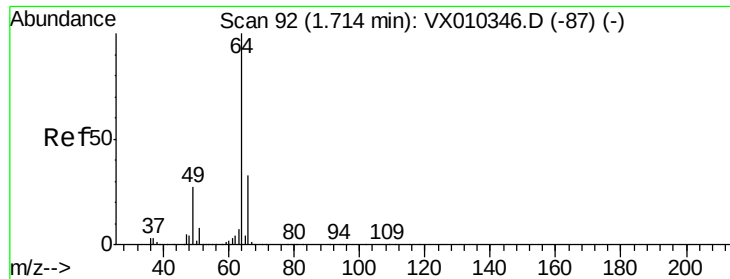
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.216 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX010441.D

Acq: 25 Jun 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

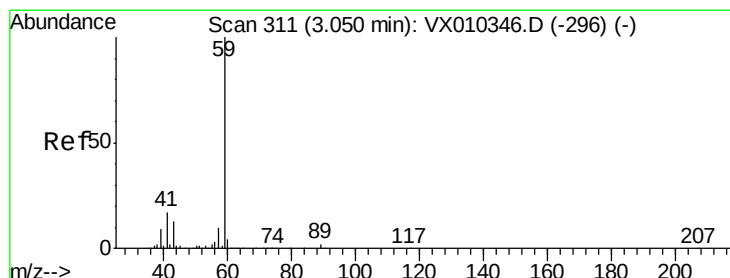
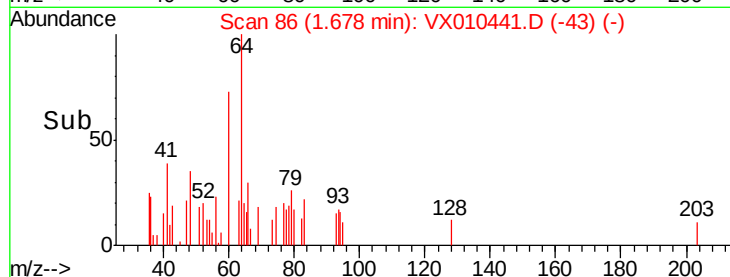
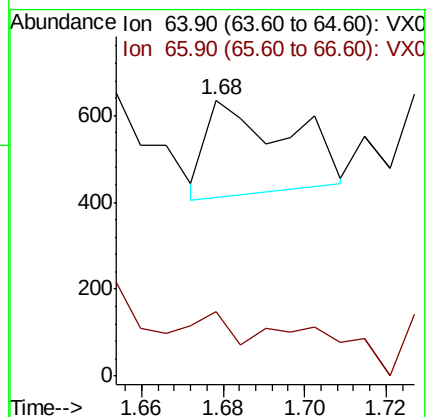
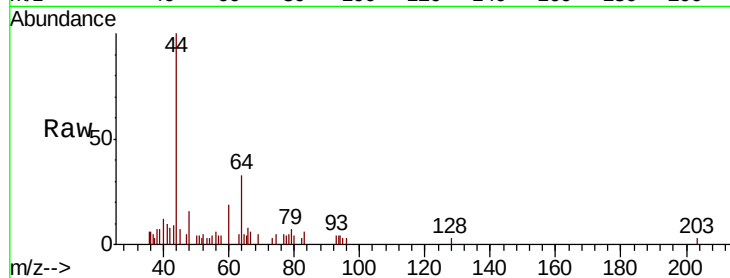
SP-19-LF2MW1

Tot Ion: 64 Resp: 300

Ion Ratio Lower Upper

64 100

66 35.6 26.6 40.0



#11

Tert butyl alcohol

Concen: 3.811 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010441.D

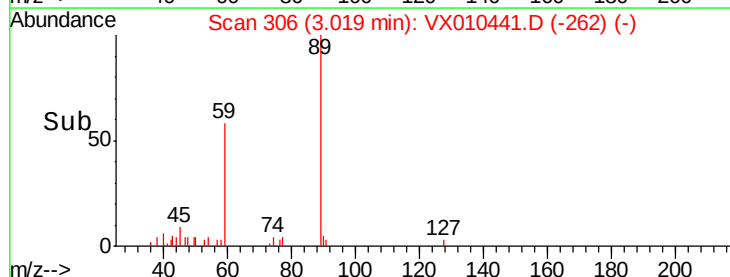
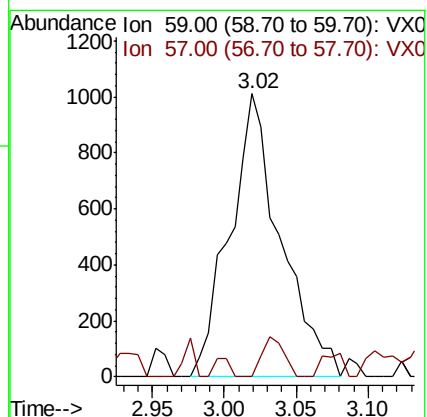
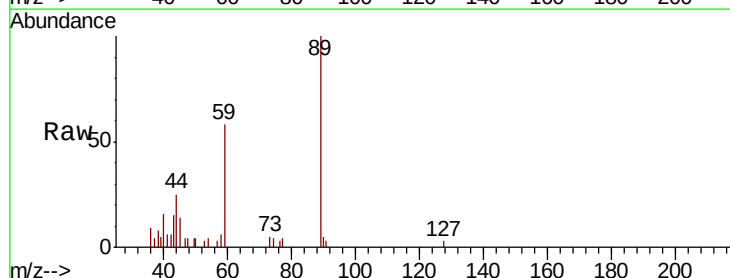
Acq: 25 Jun 2019 18:15

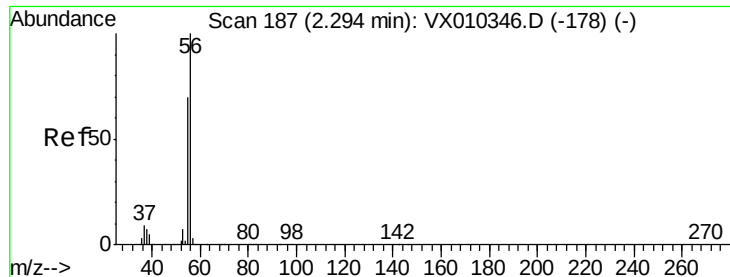
Tgt Ion: 59 Resp: 2483

Ion Ratio Lower Upper

59 100

57 5.9 7.7 11.5#





#13

Acrolein

Concen: 0.639 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010441.D

Acq: 25 Jun 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

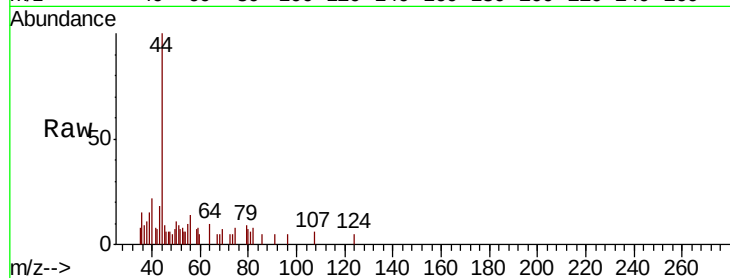
SP-19-LF2MW1

Tot Ion: 56 Resp: 276

Ion Ratio Lower Upper

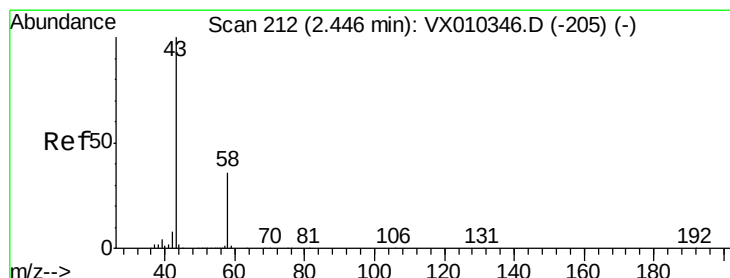
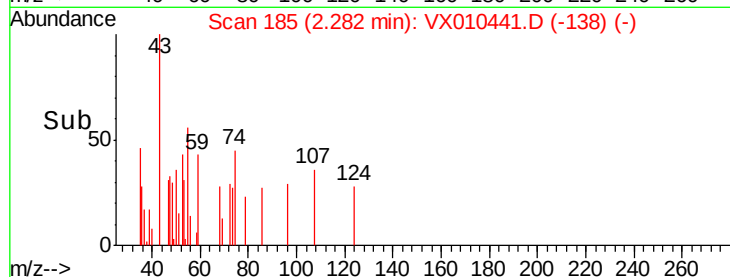
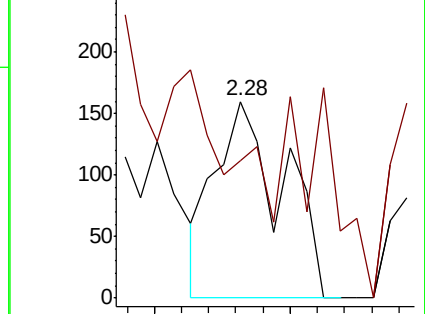
56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.395 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010441.D

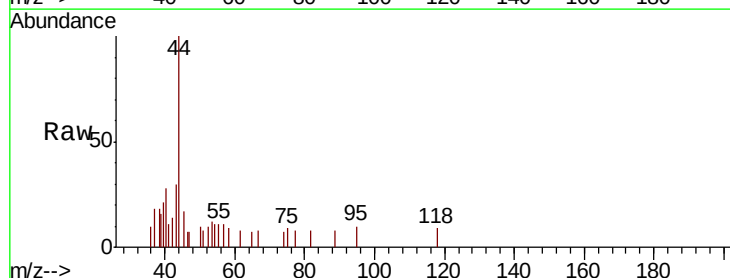
Acq: 25 Jun 2019 18:15

Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

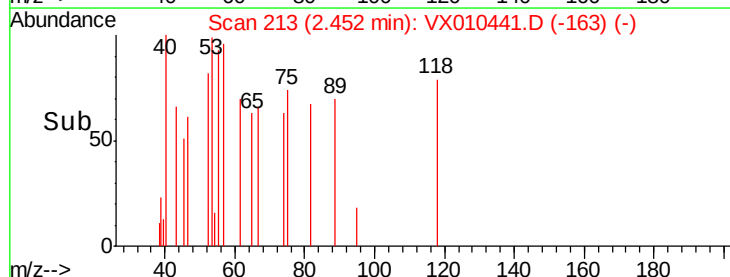
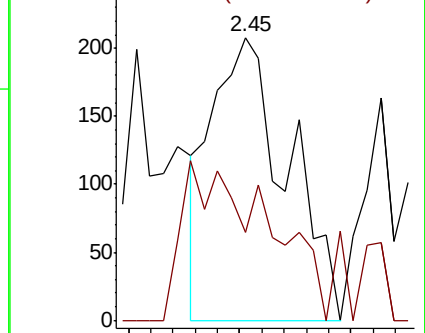
43 100

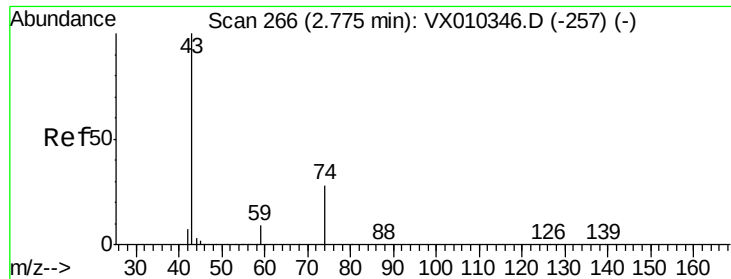
58 0.0 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

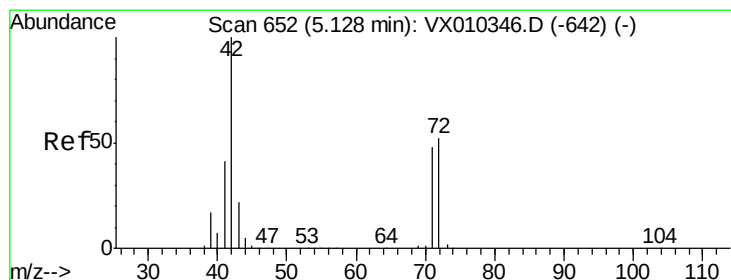
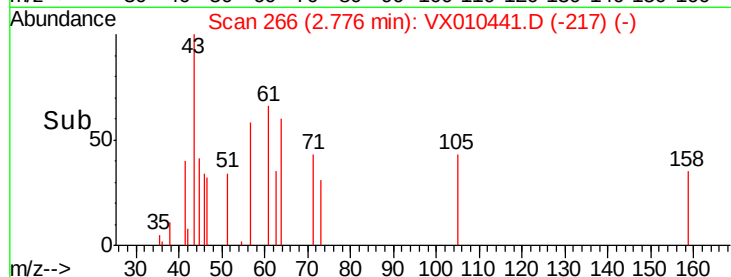
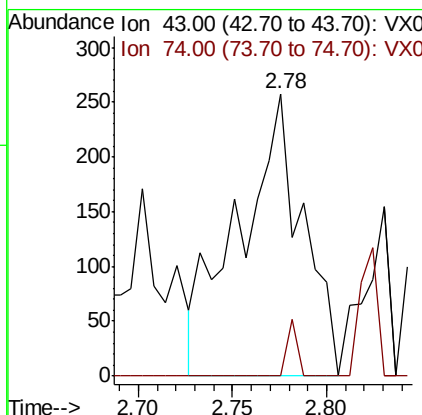
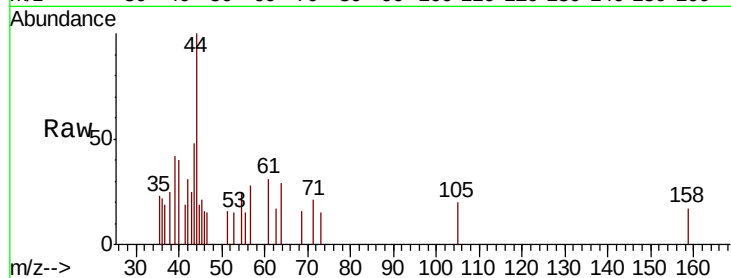




#18
Methyl Acetate
Concen: 0.243 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010441.D
Acq: 25 Jun 2019 18:15

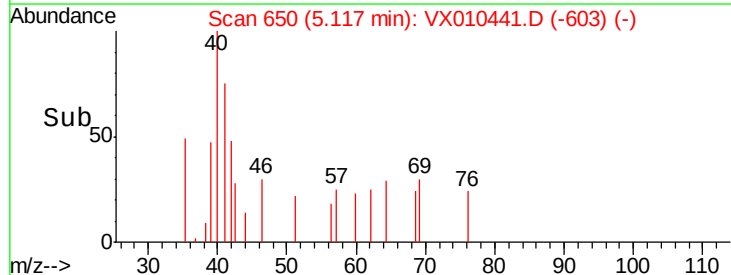
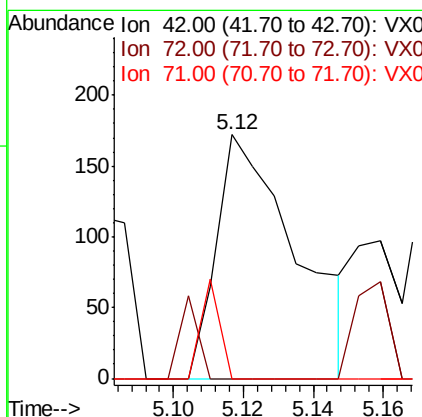
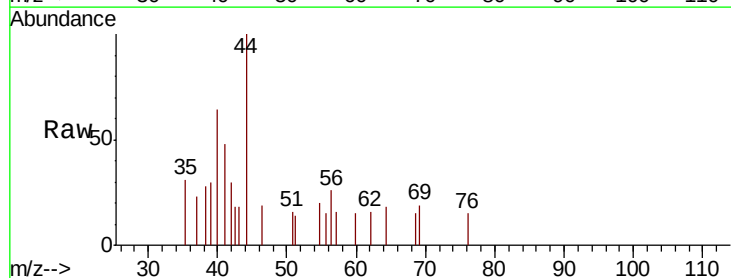
Instrument :
MSVOA_X
ClientSampled :
SP-19-LF2MW1

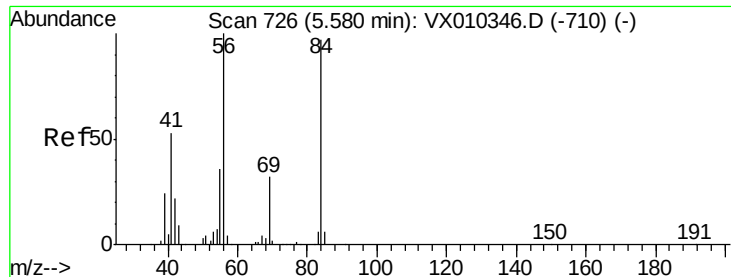
Tot Ion: 43 Resp: 604
Ion Ratio Lower Upper
43 100
74 3.1 21.3 31.9#



#29
Tetrahydrofuran
Concen: 0.241 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX010441.D
Acq: 25 Jun 2019 18:15

Tgt Ion: 42 Resp: 273
Ion Ratio Lower Upper
42 100
72 7.7 40.6 60.8#
71 9.5 37.8 56.8#

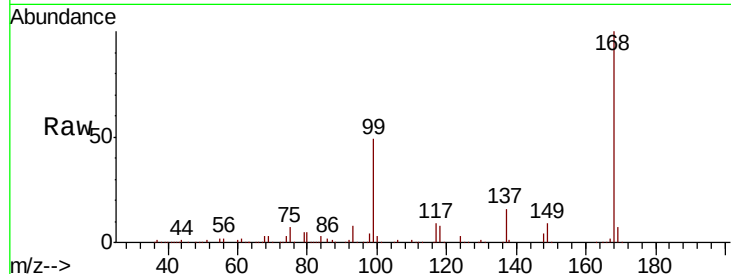




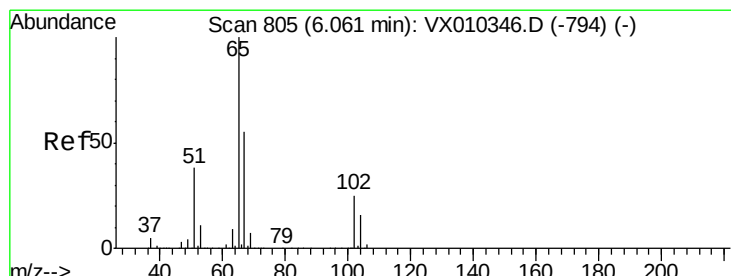
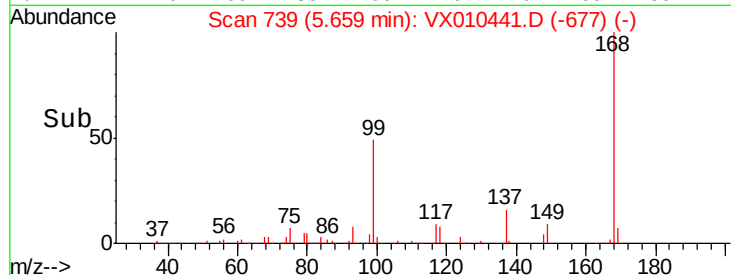
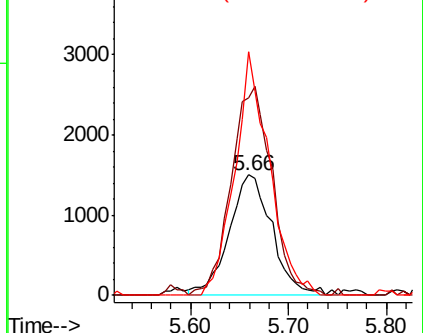
#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010441.D
Acq: 25 Jun 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
SP-19-LF2MW1

Tot Ion: 56 Resp: 4600
Ion Ratio Lower Upper
56 100
69 163.8 25.9 38.9#
84 202.0 78.0 117.0#

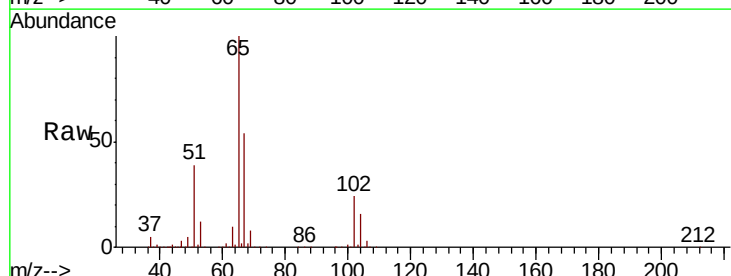


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

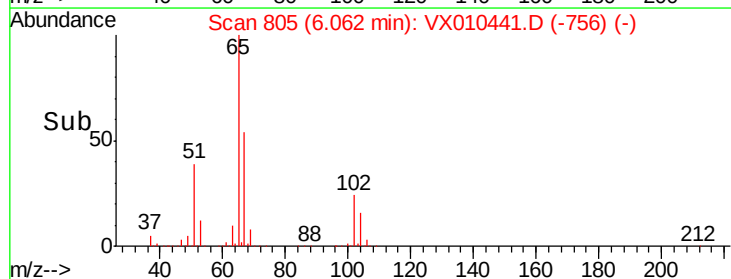
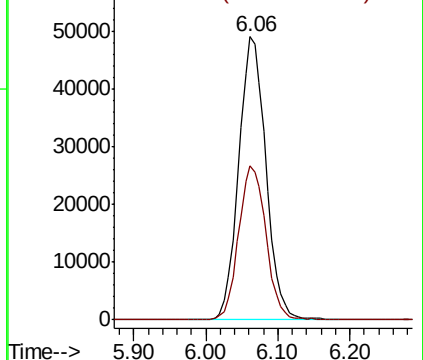


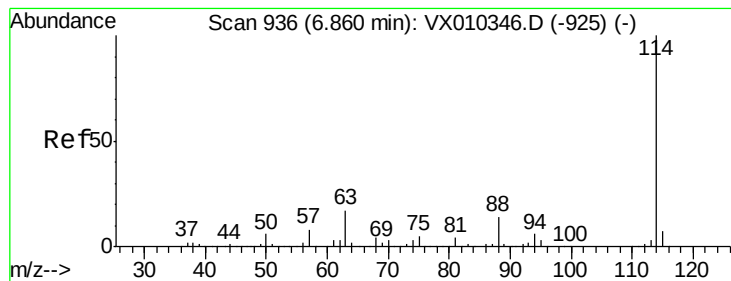
#33
1,2-Dichloroethane-d4
Concen: 51.704 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010441.D
Acq: 25 Jun 2019 18:15

Tgt Ion: 65 Resp: 128726
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010441.D

Acq: 25 Jun 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

SP-19-LF2MW1

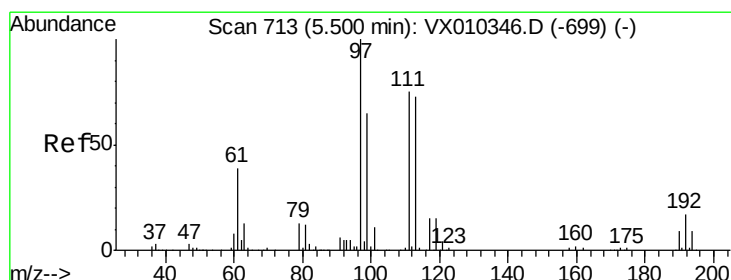
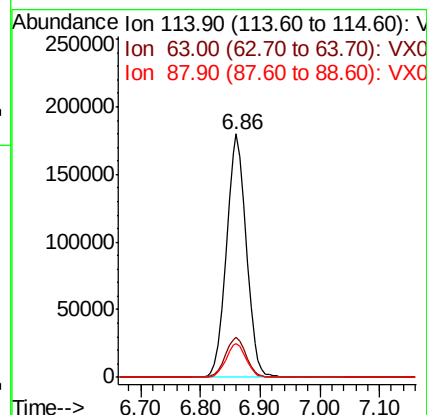
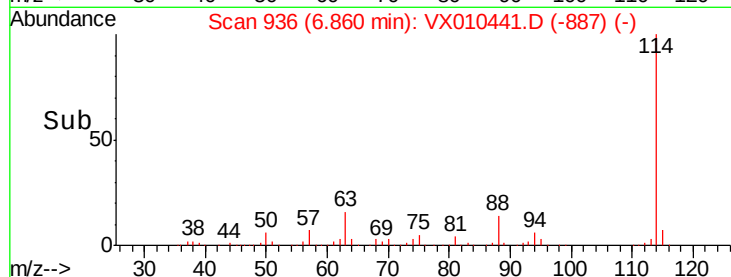
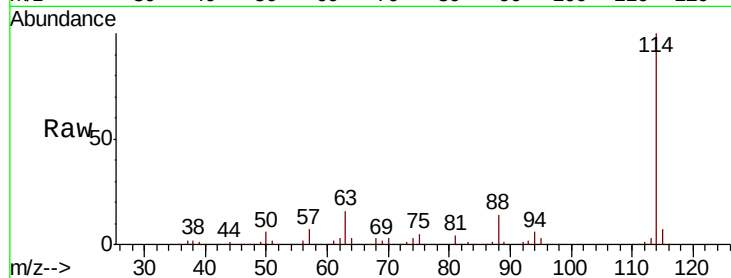
Tot Ion:114 Resp: 416567

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.8

88 13.9 0.0 27.6



#35

Dibromofluoromethane

Concen: 50.139 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010441.D

Acq: 25 Jun 2019 18:15

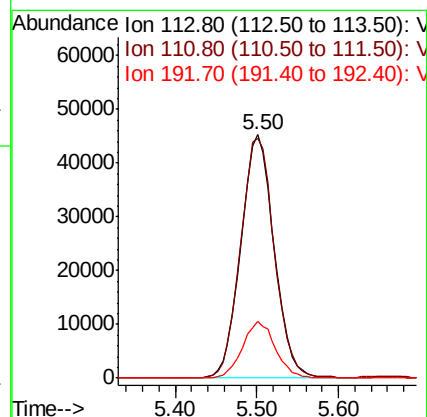
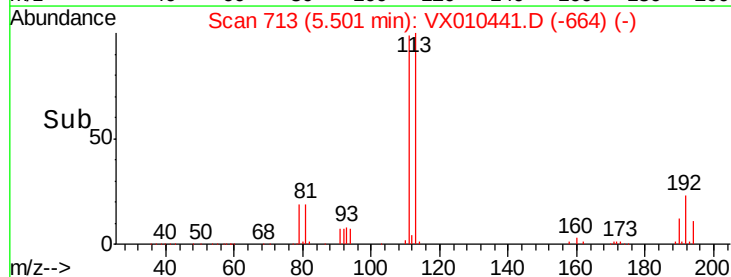
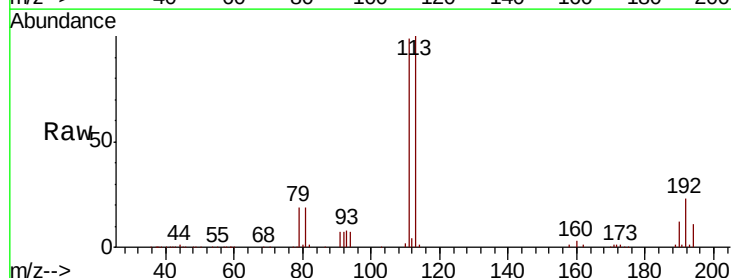
Tgt Ion:113 Resp: 127790

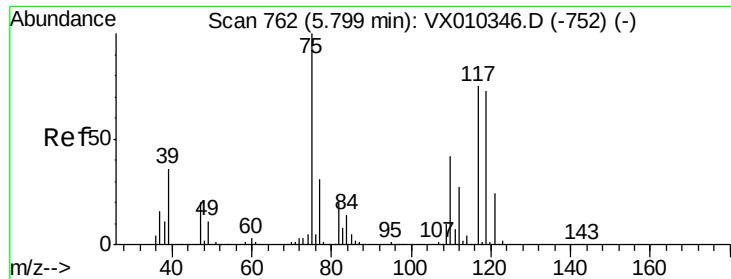
Ion Ratio Lower Upper

113 100

111 100.6 81.2 121.8

192 23.1 18.6 27.8





#36

1,1-Dichloropropene

Concen: 5.216 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010441.D

Acq: 25 Jun 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

SP-19-LF2MW1

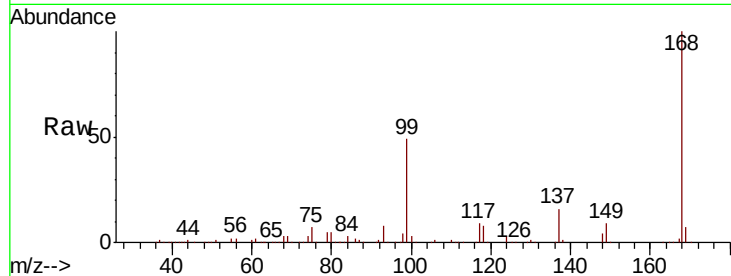
Tot Ion: 75 Resp: 17268

Ion Ratio Lower Upper

75 100

110 10.3 20.8 62.2#

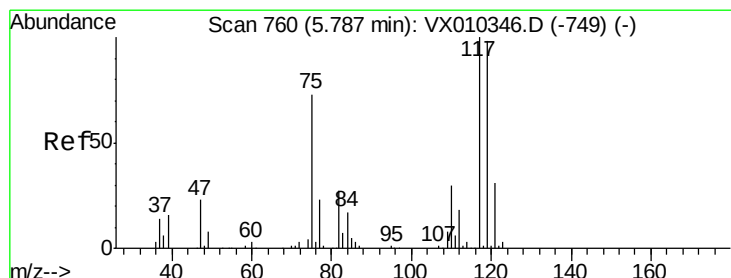
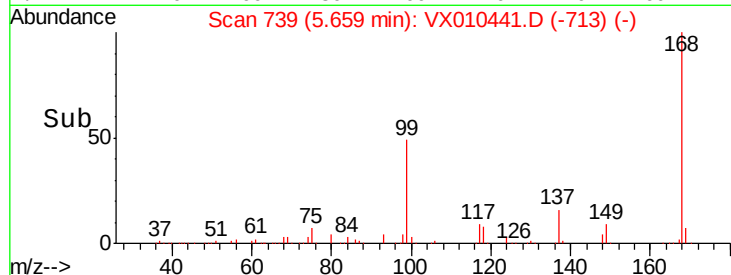
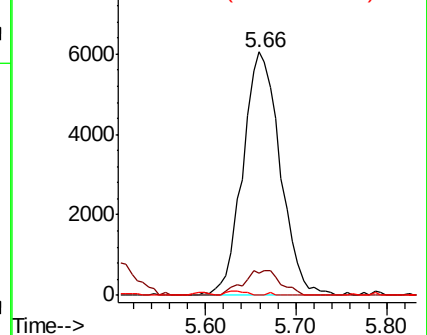
77 0.1 25.4 38.0#



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



#38

Carbon Tetrachloride

Concen: 6.562 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010441.D

Acq: 25 Jun 2019 18:15

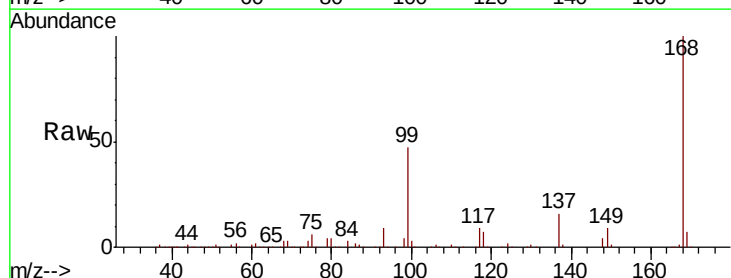
Tgt Ion: 117 Resp: 23521

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.4#

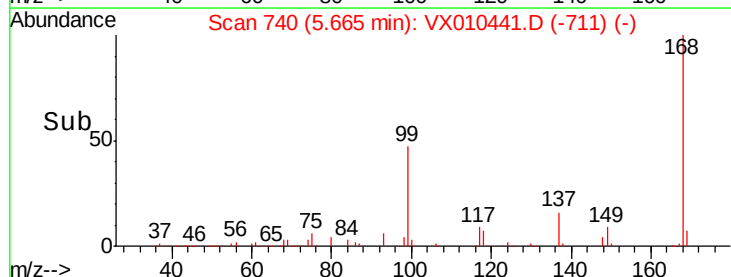
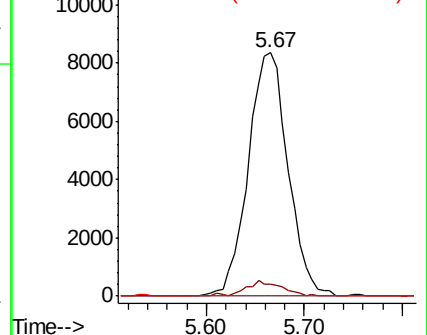
121 0.0 24.7 37.1#

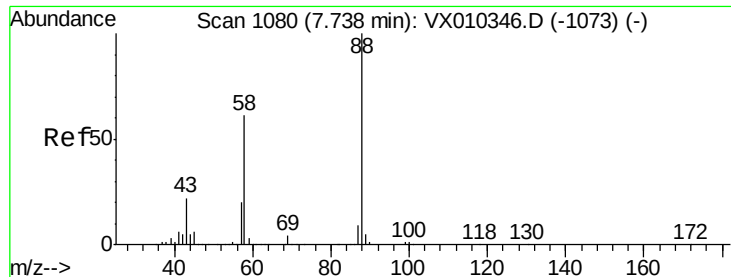


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

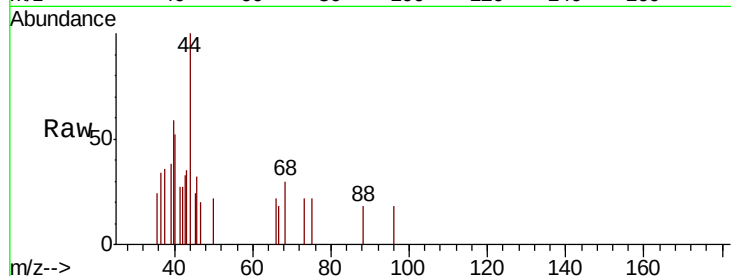




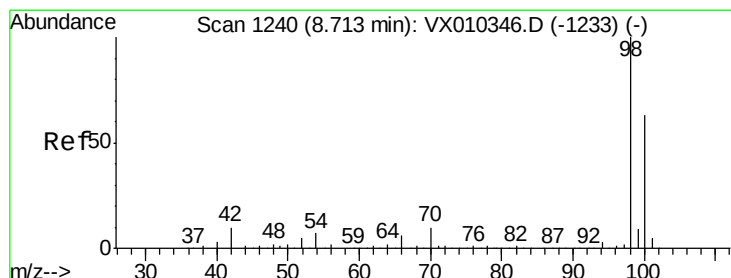
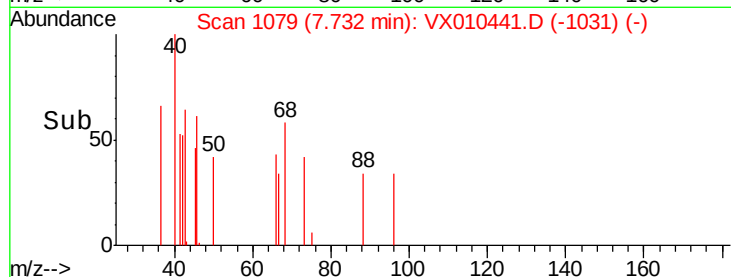
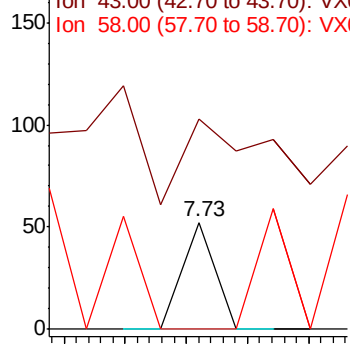
#49
1,4-Dioxane
Concen: 0.252 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX010441.D
Acq: 25 Jun 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
SP-19-LF2MW1

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#

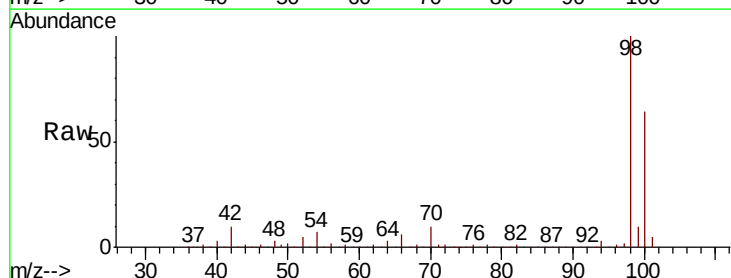


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

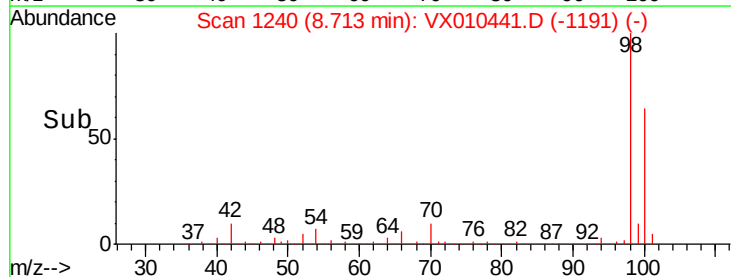
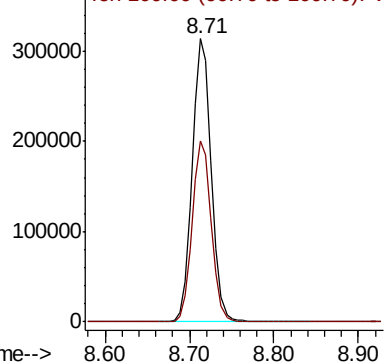


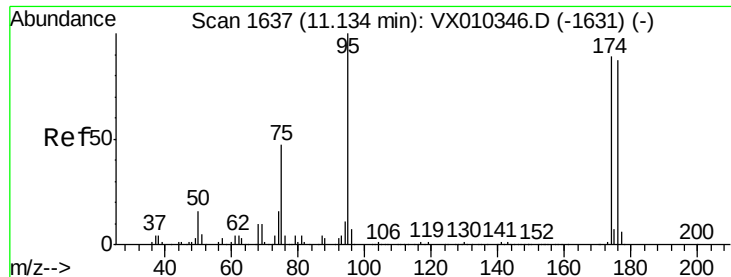
#50
Toluene-d8
Concen: 50.172 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010441.D
Acq: 25 Jun 2019 18:15

Tgt Ion: 98 Resp: 489216
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

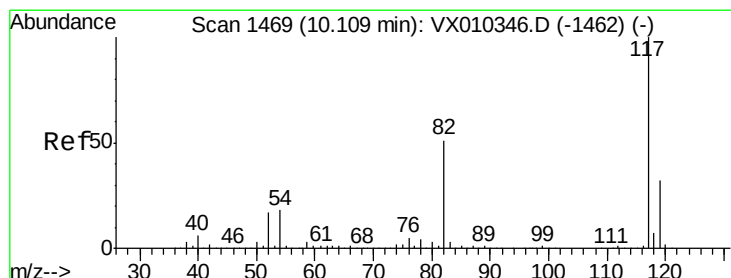
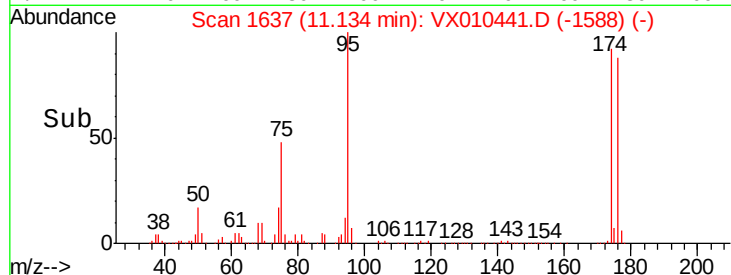
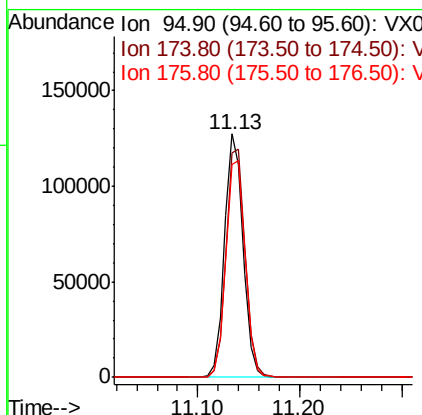
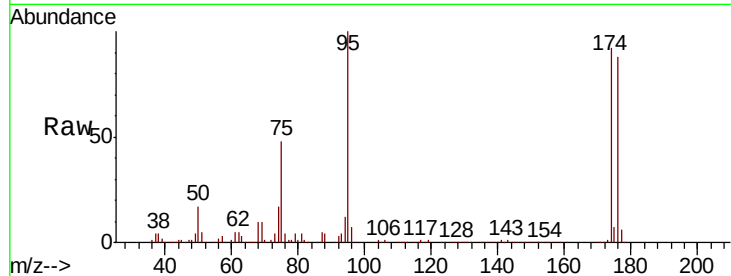




#62
4-Bromofluorobenzene
Concen: 45.640 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010441.D
Acq: 25 Jun 2019 18:15

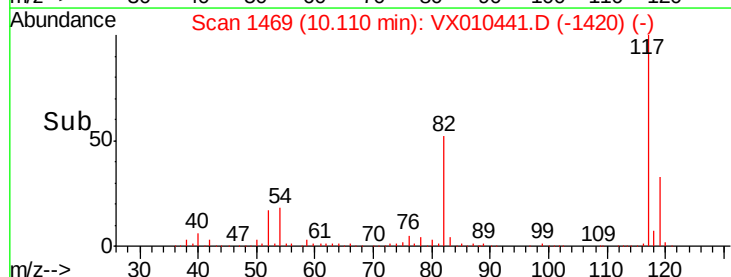
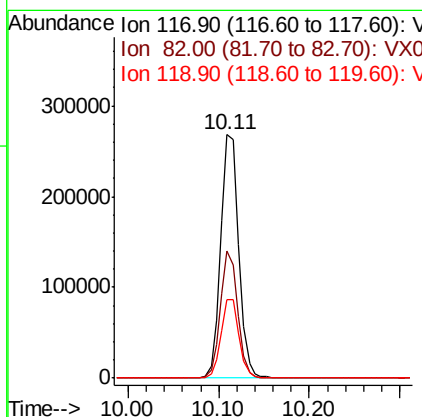
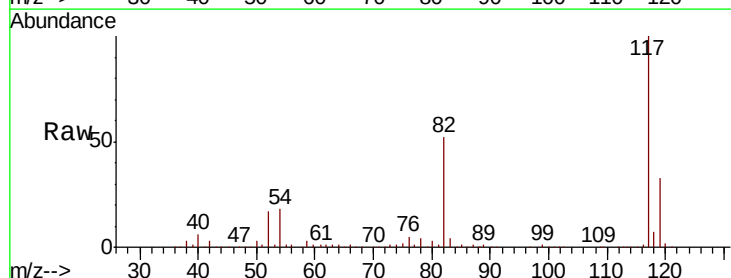
Instrument :
MSVOA_X
ClientSampleId :
SP-19-LF2MW1

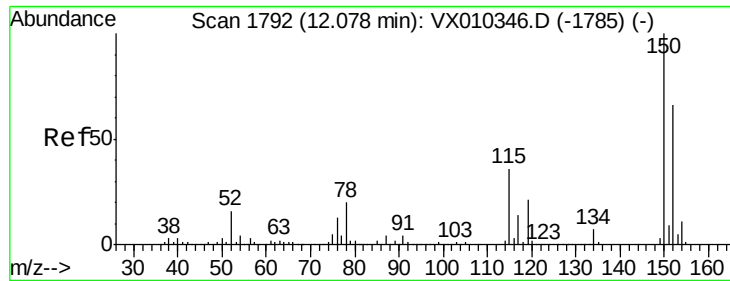
Tot Ion: 95 Resp: 160667
Ion Ratio Lower Upper
95 100
174 96.3 0.0 187.6
176 92.7 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010441.D
Acq: 25 Jun 2019 18:15

Tgt Ion: 117 Resp: 372205
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 32.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010441.D

Acq: 25 Jun 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

SP-19-LF2MW1

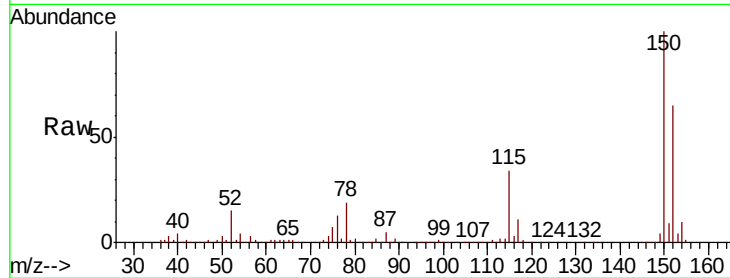
Tot Ion:152 Resp: 171971

Ion Ratio Lower Upper

152 100

115 54.5 38.6 115.7

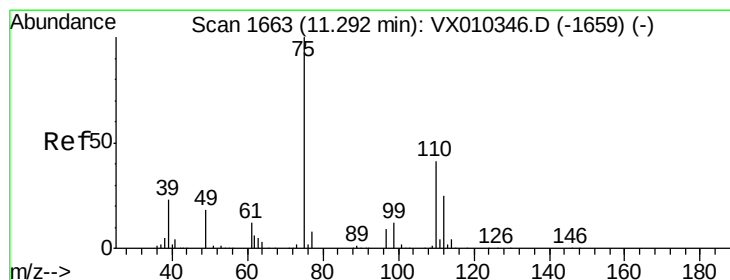
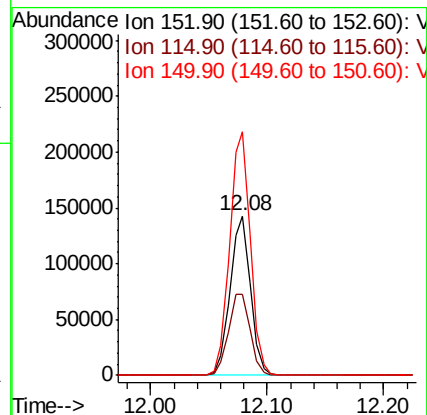
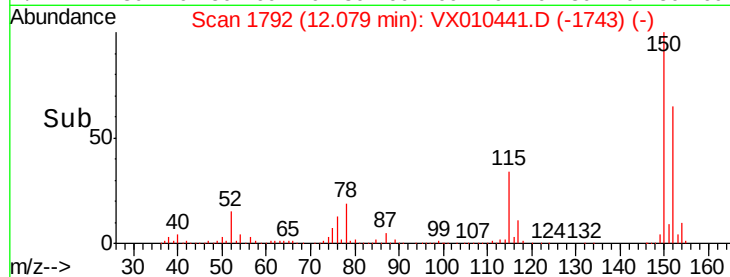
150 155.7 0.0 347.4



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: 24.403 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010441.D

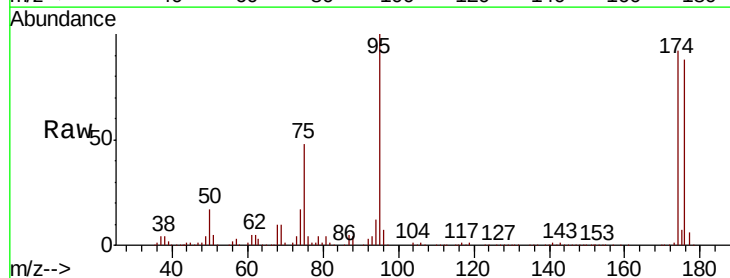
Acq: 25 Jun 2019 18:15

Tgt Ion: 75 Resp: 76472

Ion Ratio Lower Upper

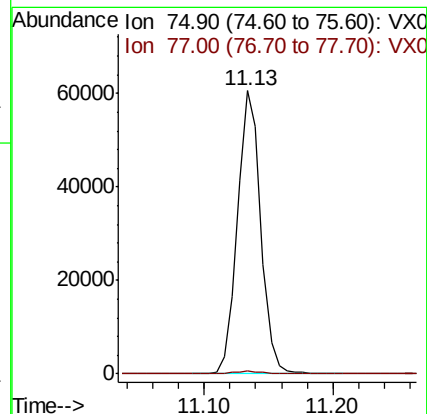
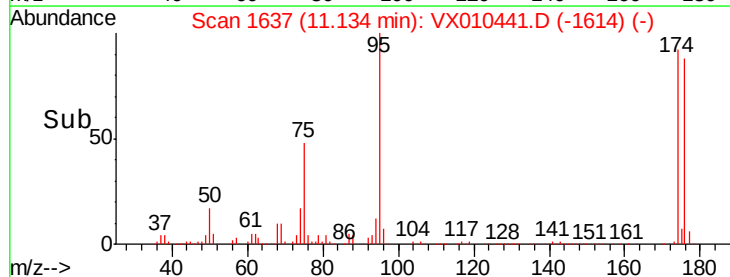
75 100

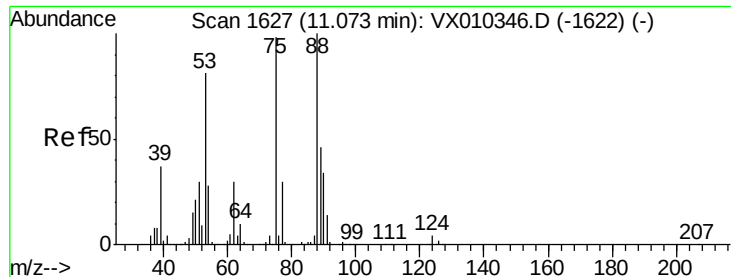
77 1.1 22.6 67.8#



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: 56.929 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010441.D
 Acq: 25 Jun 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-19-LF2MW1

Tot Ion: 75 Resp: 76472
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#

