

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062519\
 Data File : VX010444.D
 Acq On : 25 Jun 2019 19:25
 Operator : JC/SP
 Sample : K3519-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-19-LF2MW6

Quant Time: Jun 26 01:22:38 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	5.66	168	263705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	407055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	366341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170216	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	125450	50.74	ug/l	0.00
Spiked Amount						
			Recovery	=	101.48%	
35) Dibromofluoromethane	5.50	113	122797	49.31	ug/l	0.00
Spiked Amount						
			Recovery	=	98.62%	
50) Toluene-d8	8.71	98	476844	50.05	ug/l	0.00
Spiked Amount						
			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	158100	45.96	ug/l	0.00
Spiked Amount						
			Recovery	=	91.92%	

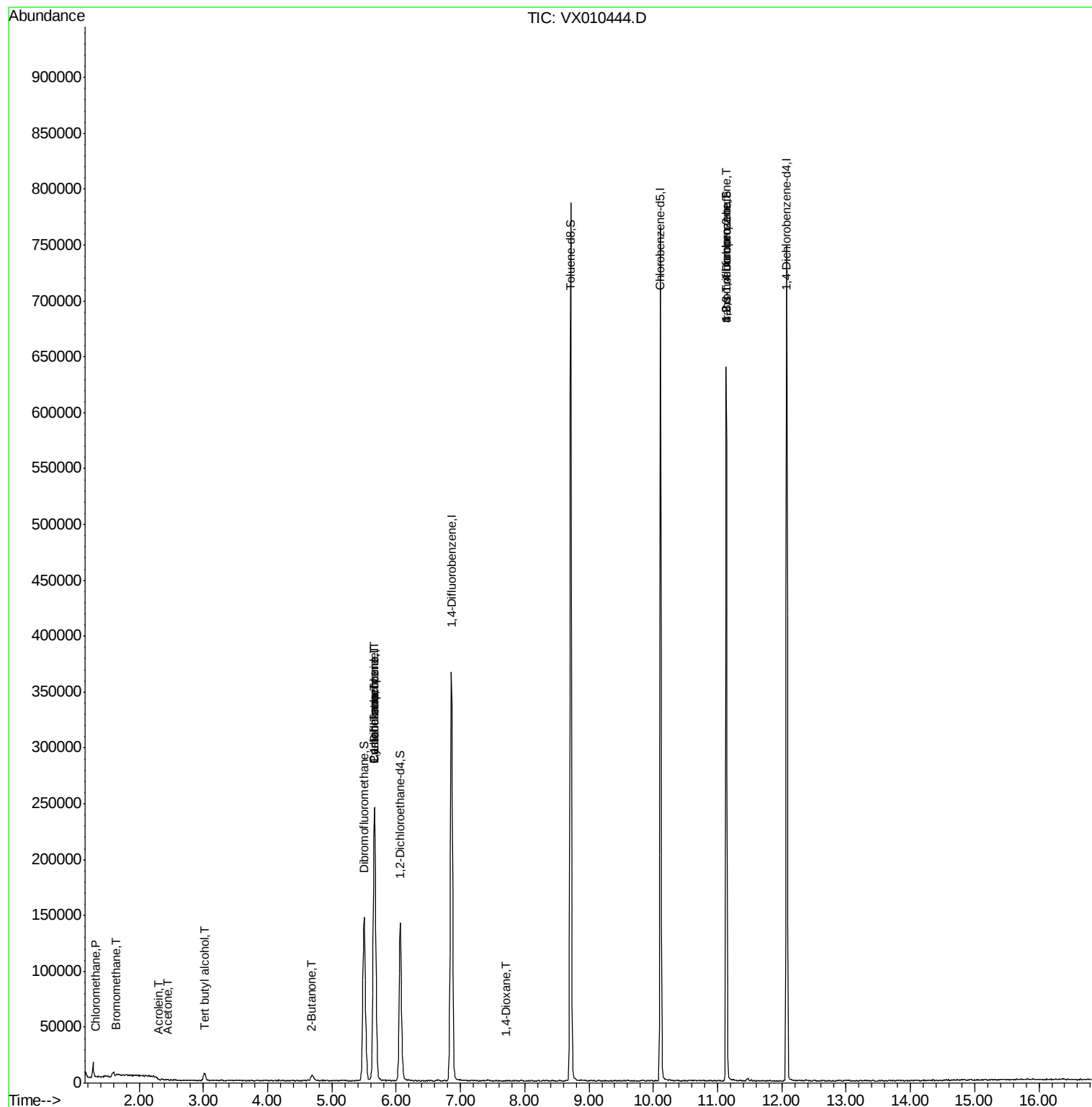
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	437	0.205	ug/l	93
5) Bromomethane	1.64	94	373	0.327	ug/l #	11
11) Tert butyl alcohol	3.03	59	4035	6.237	ug/l #	82
13) Acrolein	2.30	56	187	0.436	ug/l	88
16) Acetone	2.44	43	684	0.552	ug/l	88
25) 2-Butanone	4.68	43	389	0.214	ug/l #	46
31) Cyclohexane	5.66	56	4918	1.377	ug/l #	46
36) 1,1-Dichloropropene	5.67	75	16276	5.032	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23554	6.724	ug/l #	15
49) 1,4-Dioxane	7.71	88	21	0.285	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	76455	24.649	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	76455	57.503	ug/l #	16

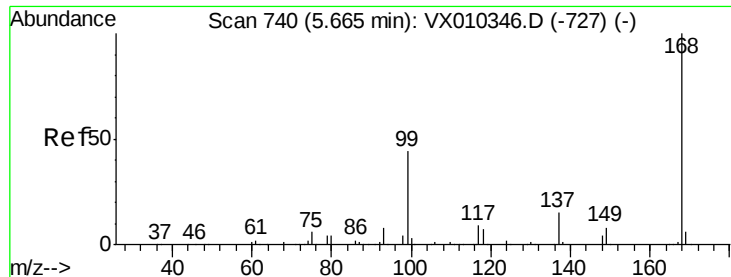
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062519\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

Instrument :

MSVOA_X

ClientSampled :

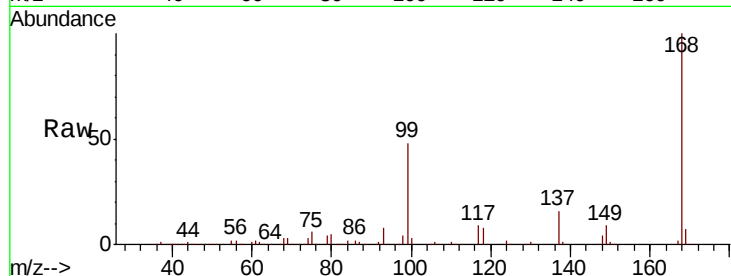
SP-19-LF2MW6

Tot Ion:168 Resp: 263705

Ion Ratio Lower Upper

168 100

99 47.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

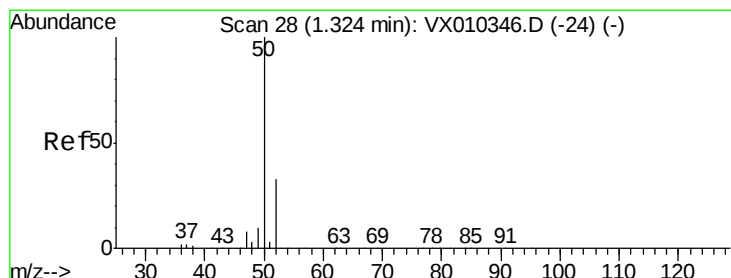
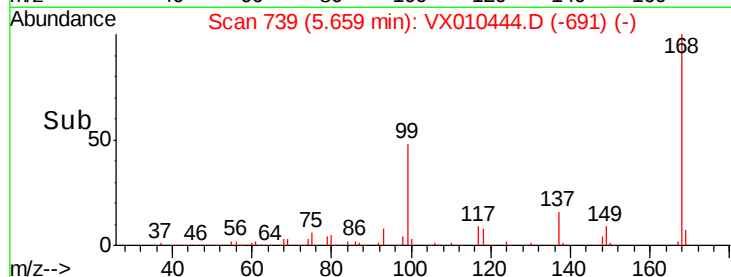
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010444.D

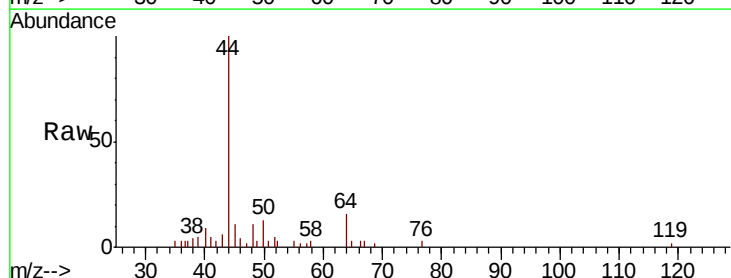
Acq: 25 Jun 2019 19:25

Tgt Ion: 50 Resp: 437

Ion Ratio Lower Upper

50 100

52 37.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

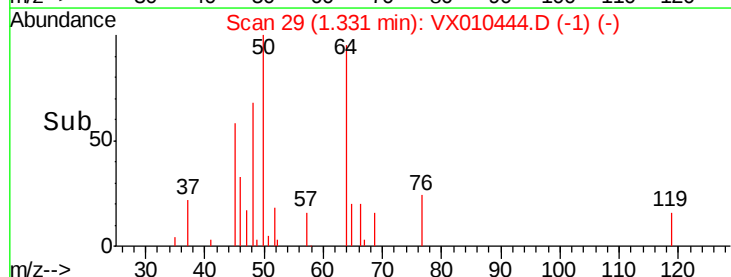
300

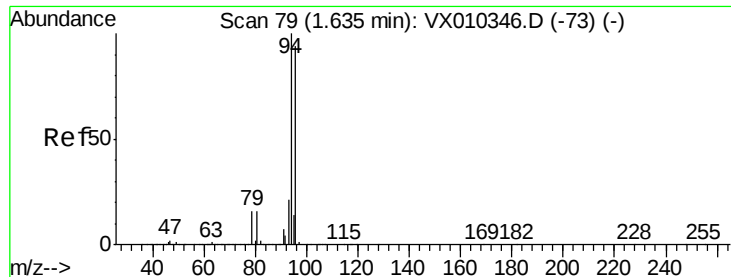
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.327 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

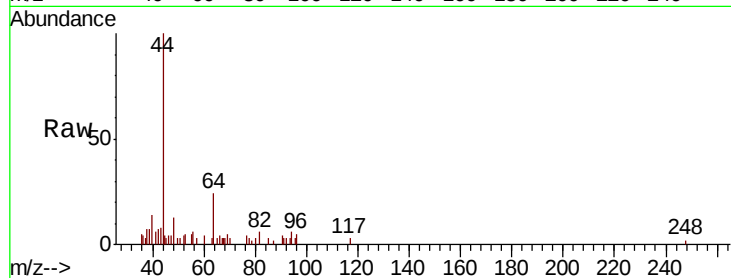
SP-19-LF2MW6

Tot Ion: 94 Resp: 373

Ion Ratio Lower Upper

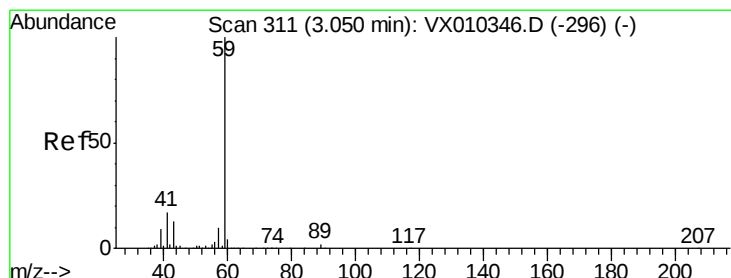
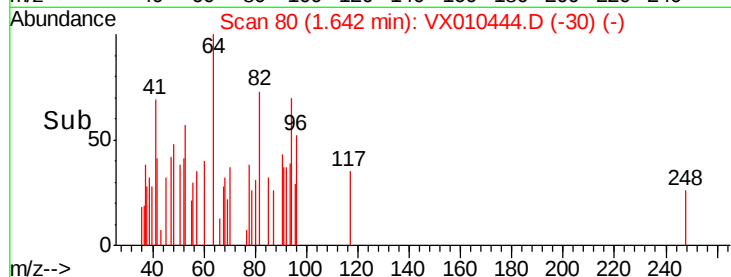
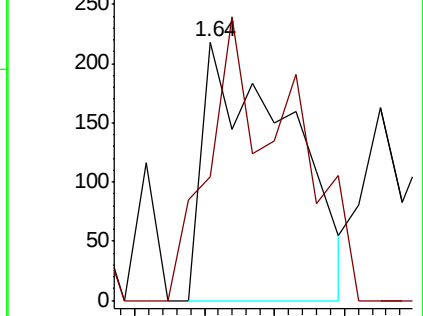
94 100

96 8.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 6.237 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010444.D

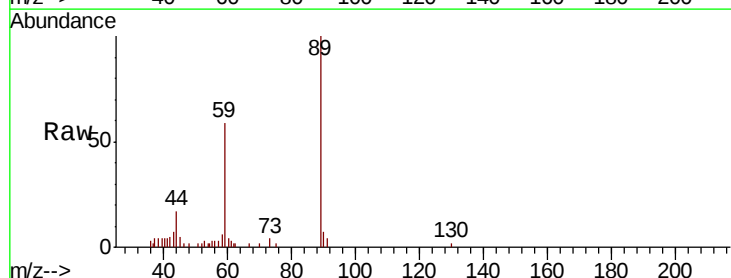
Acq: 25 Jun 2019 19:25

Tgt Ion: 59 Resp: 4035

Ion Ratio Lower Upper

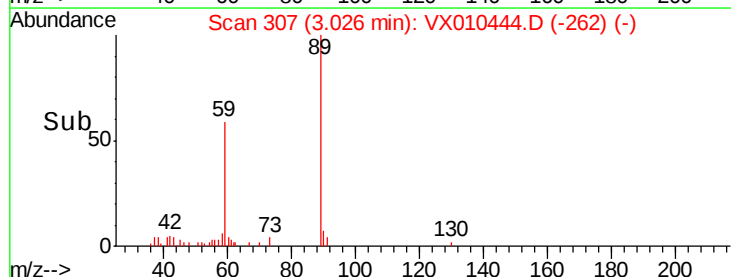
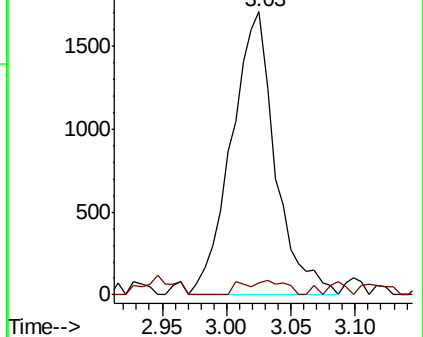
59 100

57 3.2 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.436 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

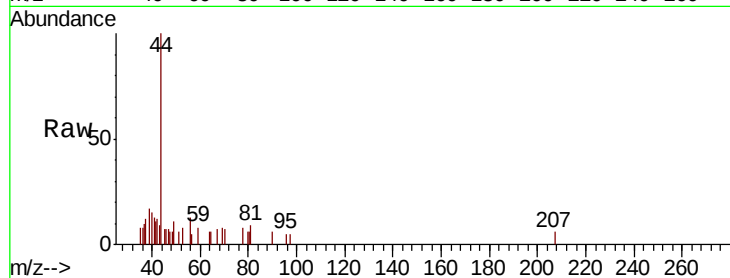
SP-19-LF2MW6

Tot Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 81.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

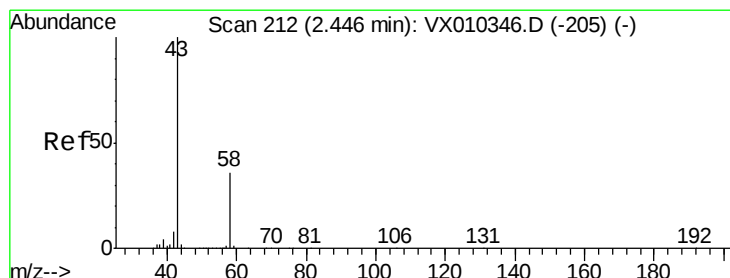
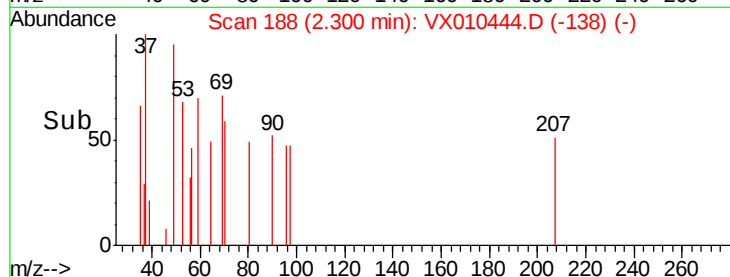
100

50

0

2.26 2.28 2.30 2.32

Time-->



#16

Acetone

Concen: 0.552 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010444.D

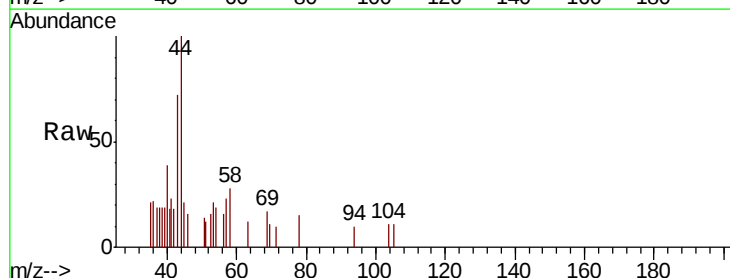
Acq: 25 Jun 2019 19:25

Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

43 100

58 28.9 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

400

300

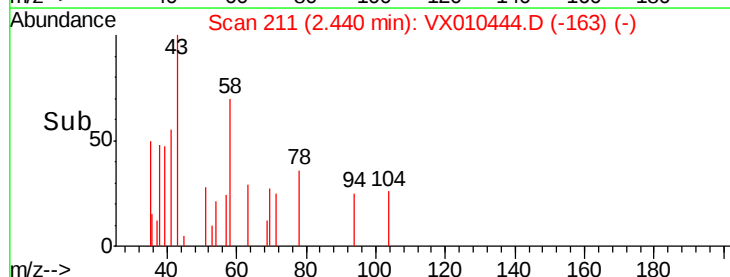
200

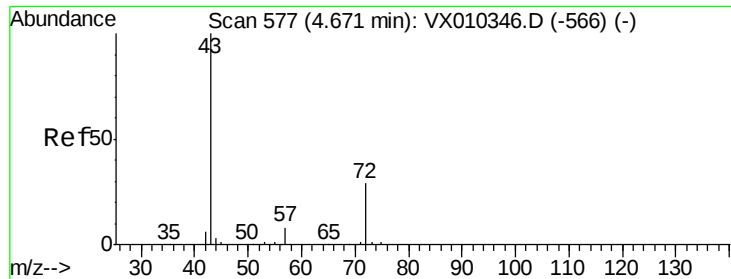
100

0

2.40 2.45 2.50

Time-->





#25

2-Butanone

Concen: 0.214 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

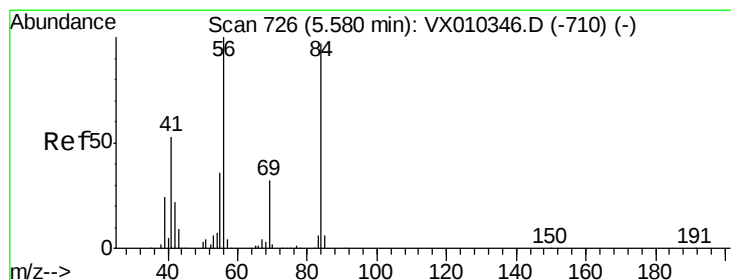
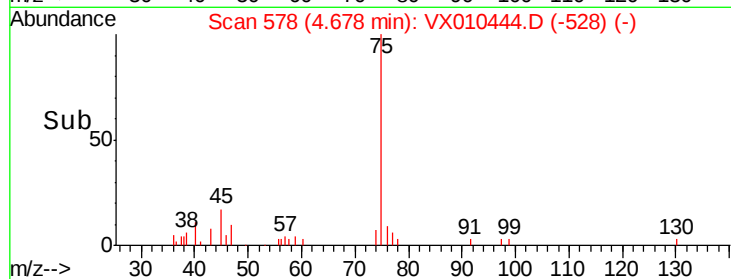
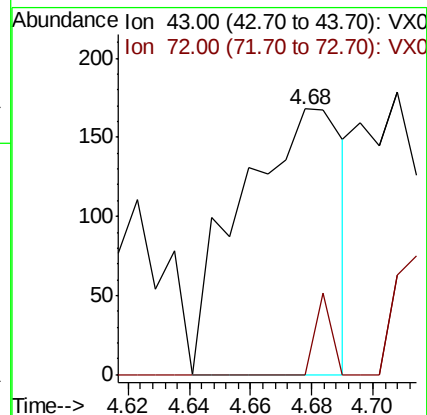
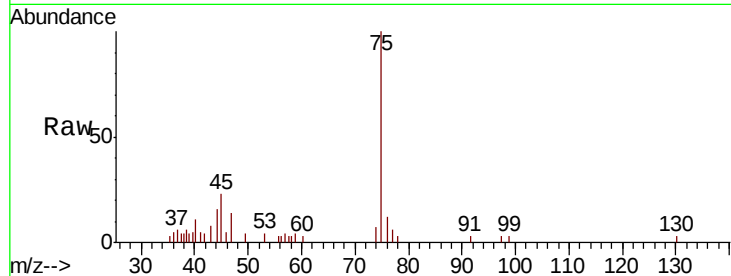
SP-19-LF2MW6

Tot Ion: 43 Resp: 389

Ion Ratio Lower Upper

43 100

72 0.0 23.3 34.9#



#31

Cyclohexane

Concen: 1.377 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

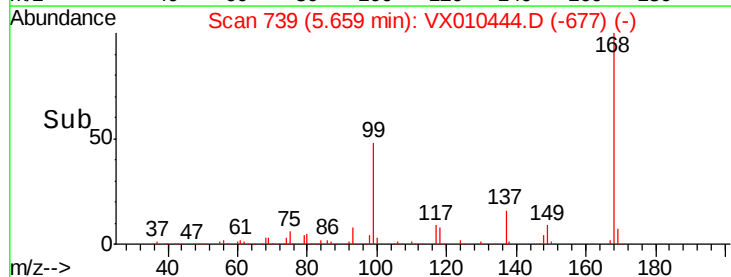
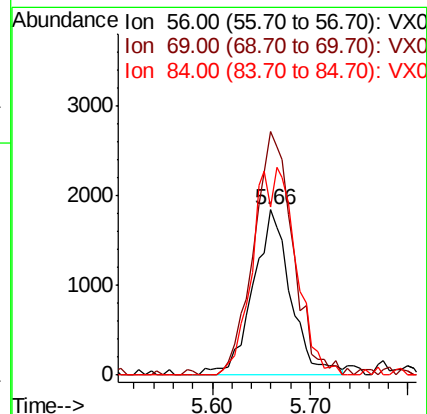
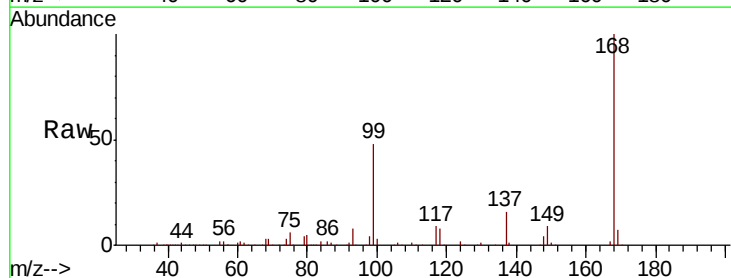
Tgt Ion: 56 Resp: 4918

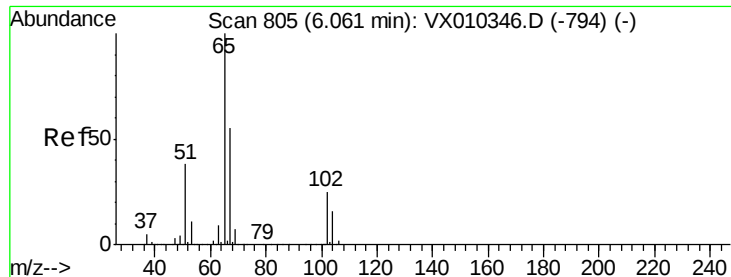
Ion Ratio Lower Upper

56 100

69 147.4 25.9 38.9#

84 101.7 78.0 117.0





#33

1,2-Dichloroethane-d4

Concen: 50.738 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

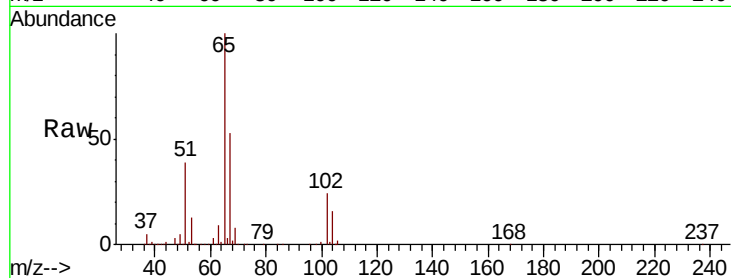
SP-19-LF2MW6

Tot Ion: 65 Resp: 125450

Ion Ratio Lower Upper

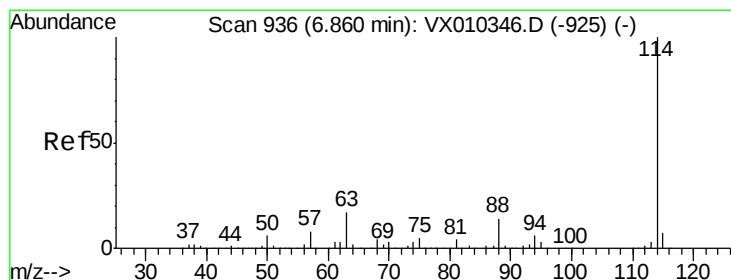
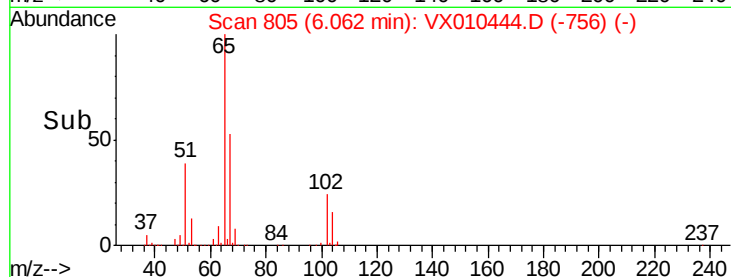
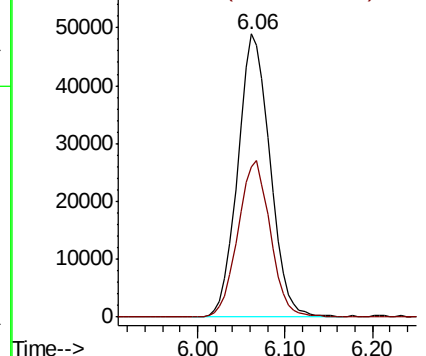
65 100

67 55.6 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: VX010444.D

Acq: 25 Jun 2019 19:25

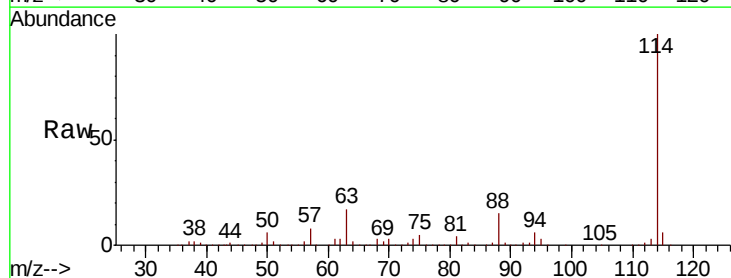
Tgt Ion: 114 Resp: 407055

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

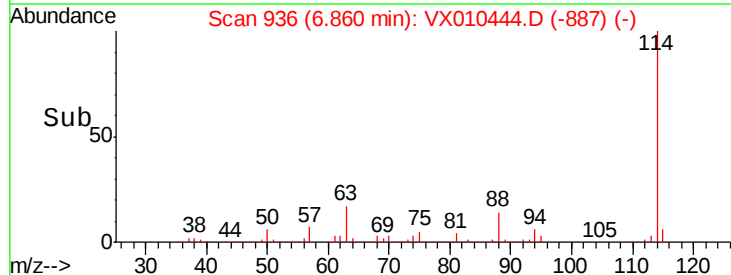
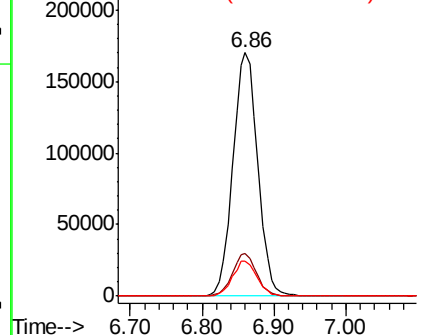
88 14.5 0.0 27.6

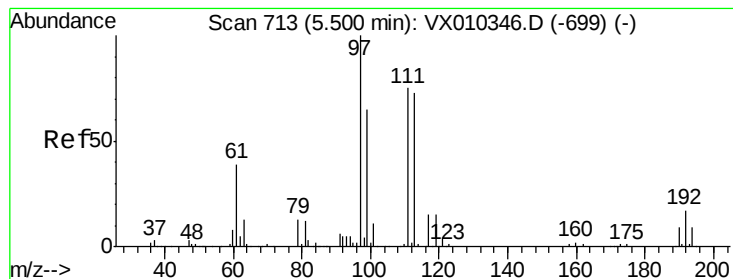


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.306 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

SP-19-LF2MW6

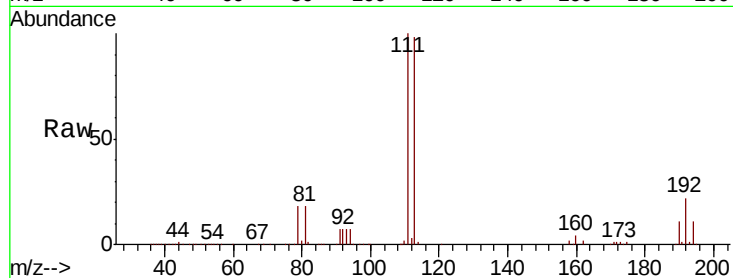
Tot Ion:113 Resp: 122797

Ion Ratio Lower Upper

113 100

111 102.2 81.2 121.8

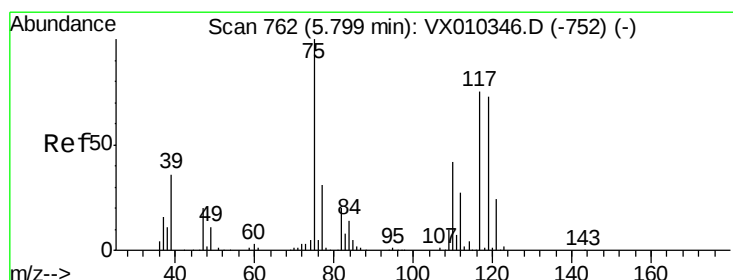
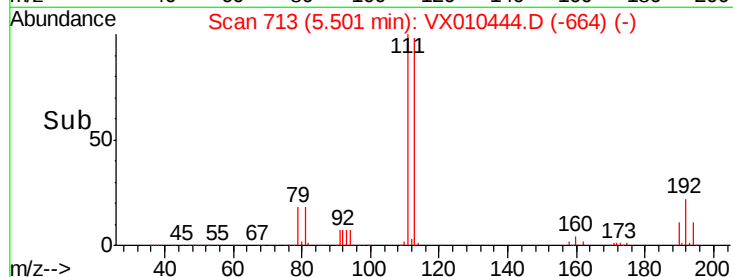
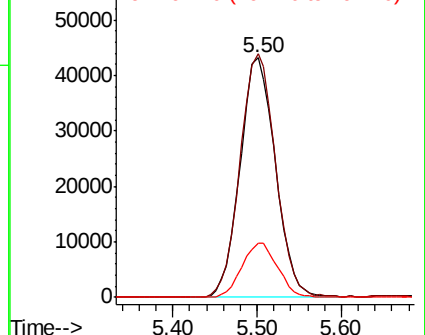
192 23.0 18.6 27.8



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: 5.032 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

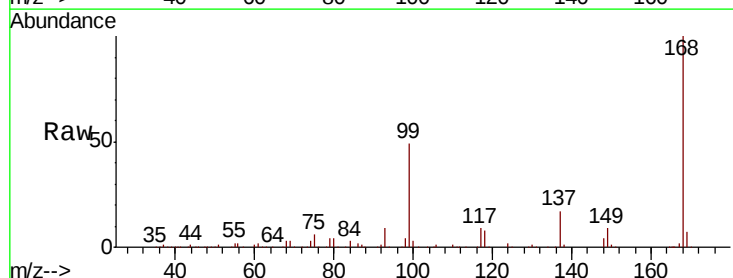
Tgt Ion: 75 Resp: 16276

Ion Ratio Lower Upper

75 100

110 11.2 20.8 62.2#

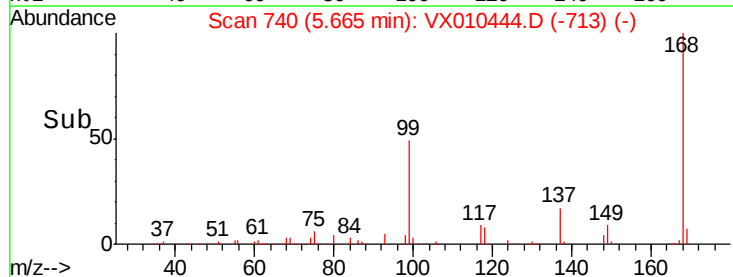
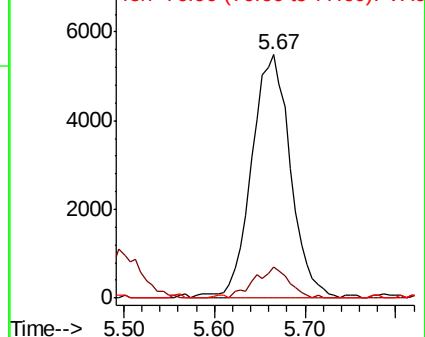
77 0.0 25.4 38.0#

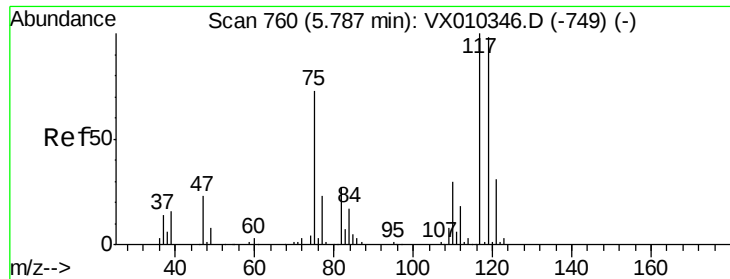


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.724 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

Instrument :

MSVOA_X

ClientSampled :

SP-19-LF2MW6

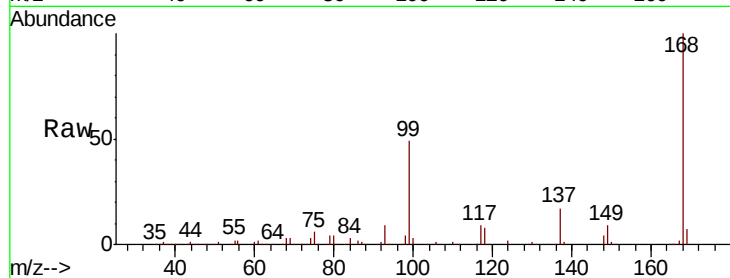
Tot Ion:117 Resp: 23554

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.4#

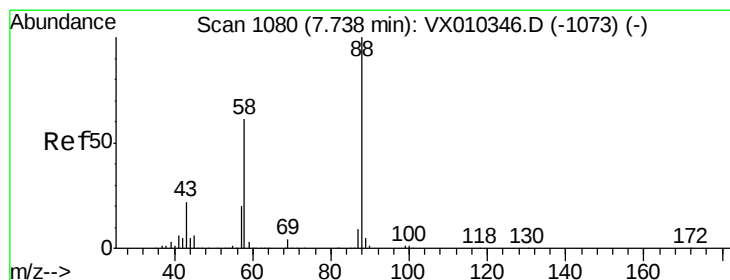
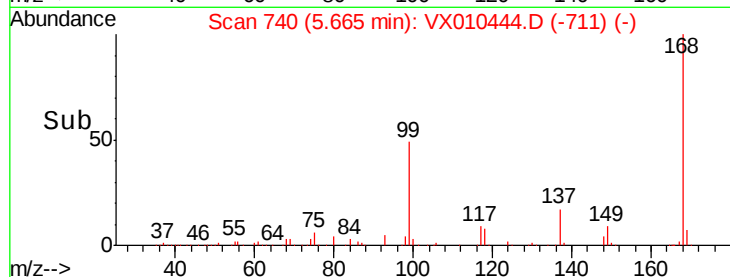
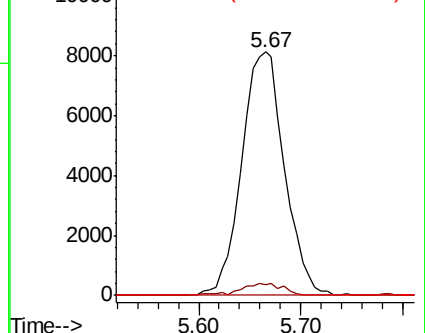
121 0.0 24.7 37.1#



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: 0.285 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.02 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

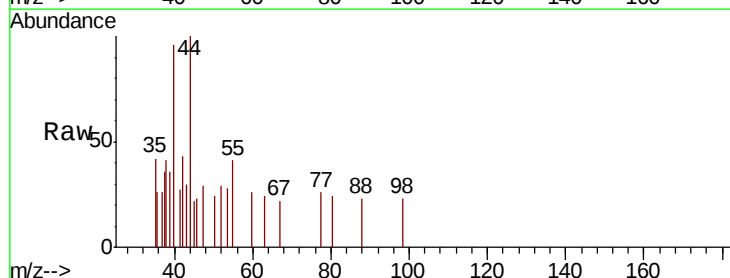
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

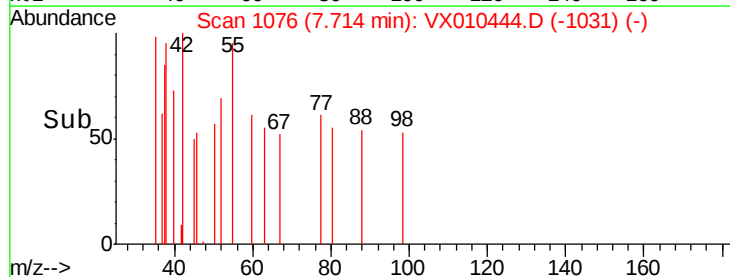
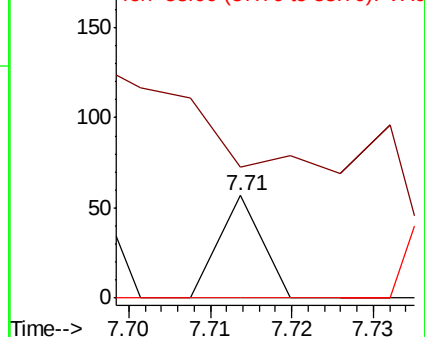
58 0.0 49.5 74.3#

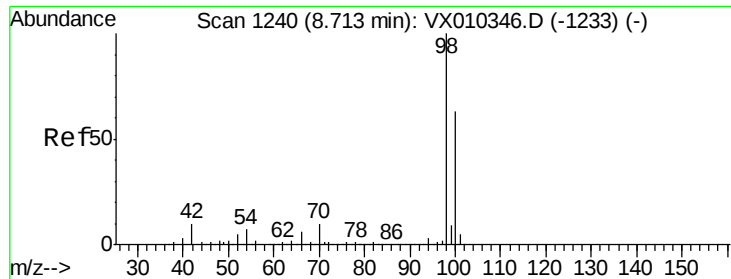


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.046 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

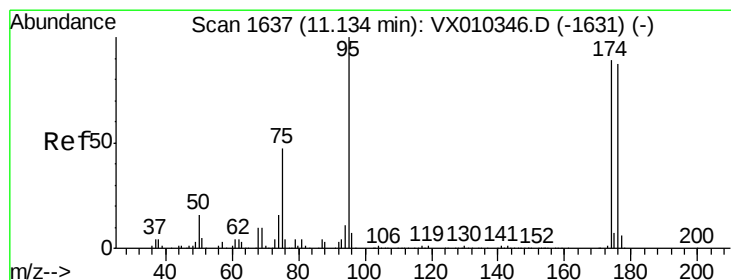
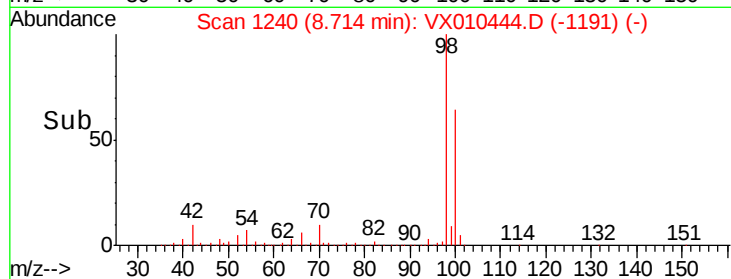
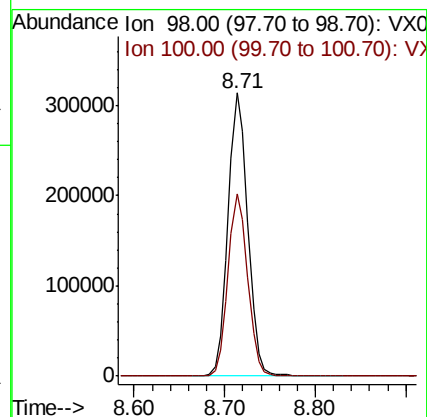
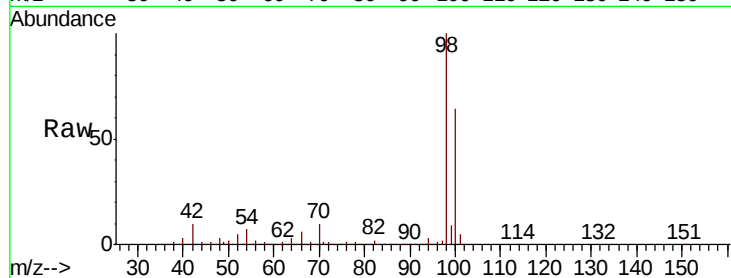
SP-19-LF2MW6

Tot Ion: 98 Resp: 476844

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 45.960 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

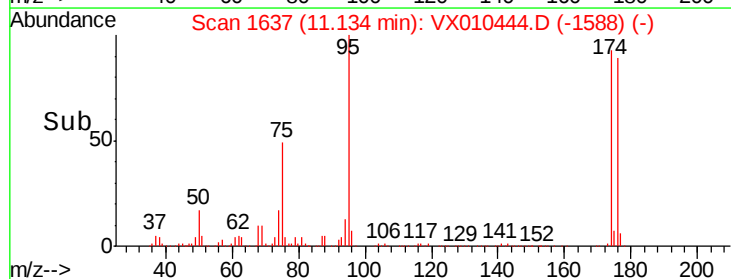
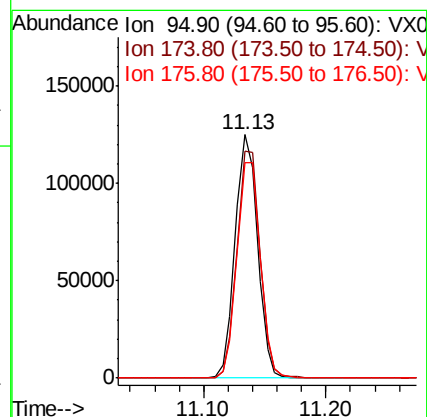
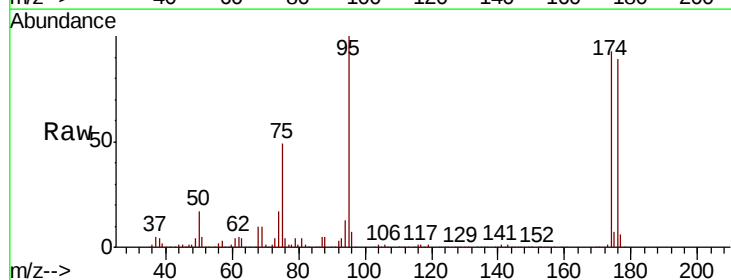
Tgt Ion: 95 Resp: 158100

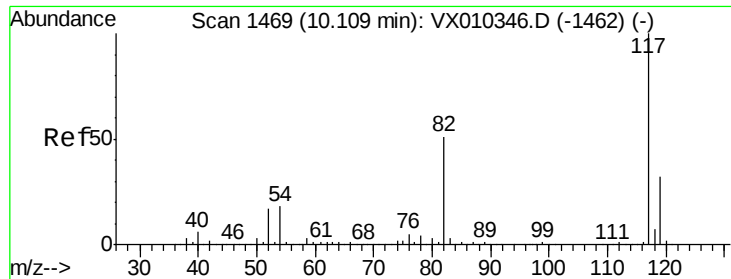
Ion Ratio Lower Upper

95 100

174 96.0 0.0 187.6

176 92.5 0.0 184.0

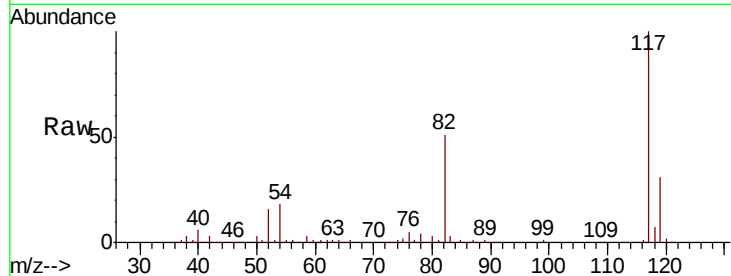




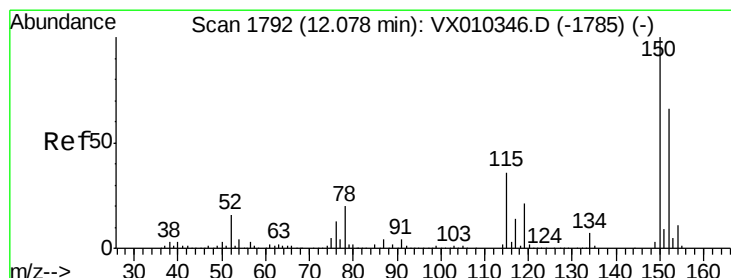
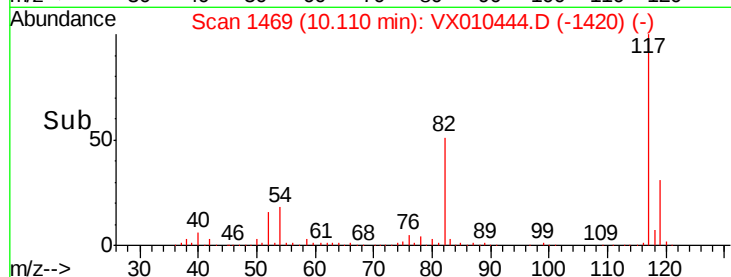
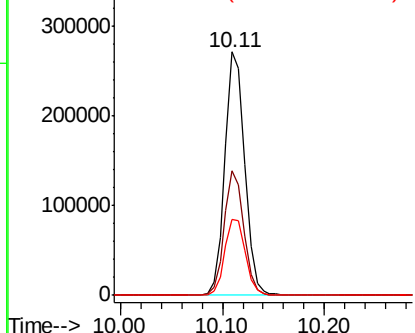
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010444.D
Acq: 25 Jun 2019 19:25

Instrument :
MSVOA_X
ClientSampleId :
SP-19-LF2MW6

Tot Ion:117 Resp: 366341
Ion Ratio Lower Upper
117 100
82 51.2 41.2 61.8
119 31.4 25.5 38.3

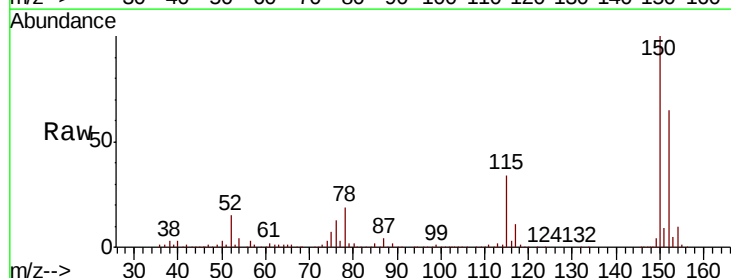


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

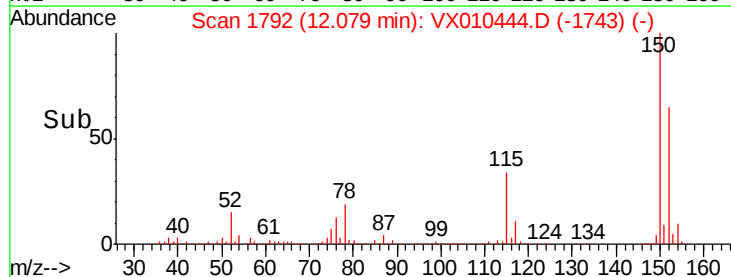
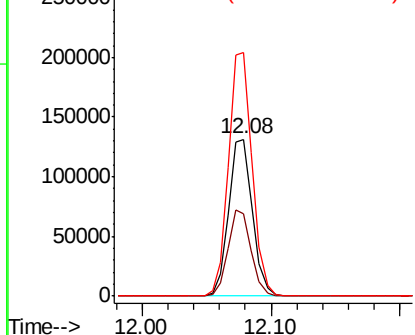


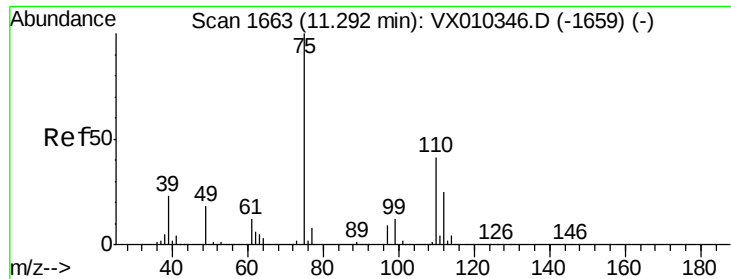
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010444.D
Acq: 25 Jun 2019 19:25

Tgt Ion:152 Resp: 170216
Ion Ratio Lower Upper
152 100
115 53.5 38.6 115.7
150 155.2 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: 24.649 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

Instrument :

MSVOA_X

ClientSampleId :

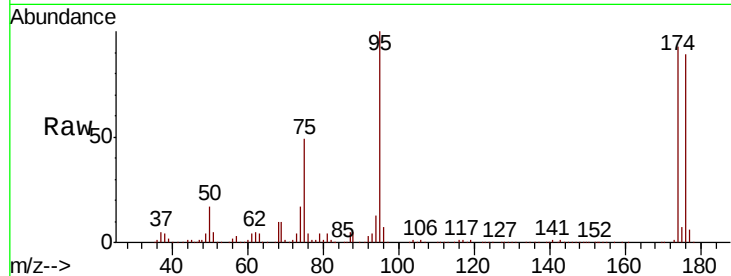
SP-19-LF2MW6

Tot Ion: 75 Resp: 76455

Ion Ratio Lower Upper

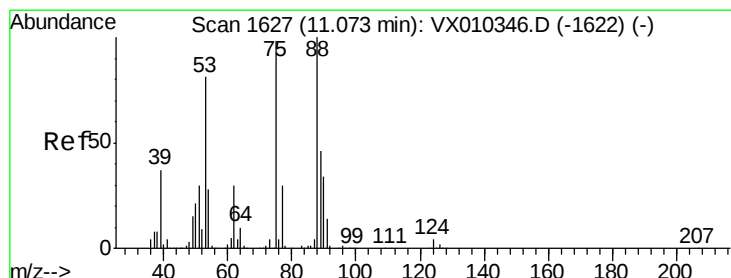
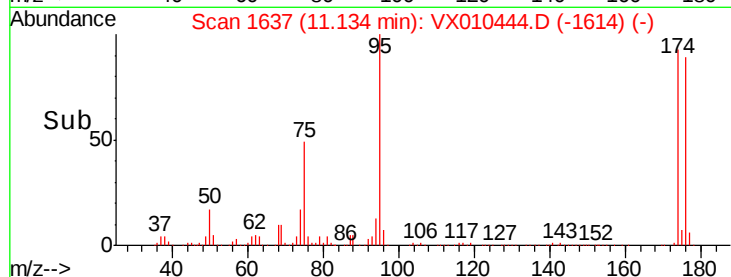
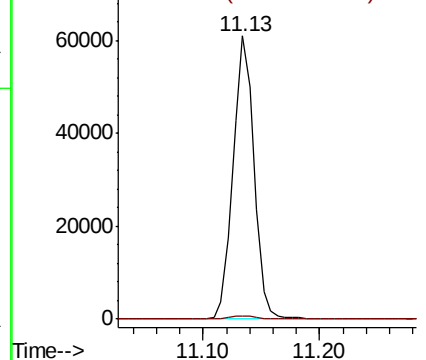
75 100

77 1.5 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: 57.503 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010444.D

Acq: 25 Jun 2019 19:25

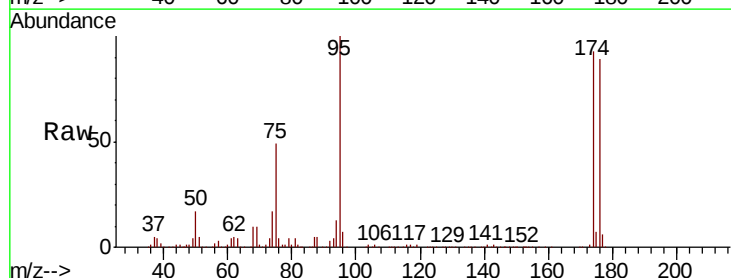
Tgt Ion: 75 Resp: 76455

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 37.8 56.6#



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

