

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004718.D
 Acq On : 19 Sep 2018 20:46
 Operator : JC/MD
 Sample : J4916-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 03:52:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	216125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	326064	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177020	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	132743	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
35) Dibromofluoromethane	5.50	113	125450	42.04	ug/l	0.00
Spiked Amount			Recovery	=	84.08%	
50) Toluene-d8	8.71	98	455868	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
62) 4-Bromofluorobenzene	11.14	95	163469	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	

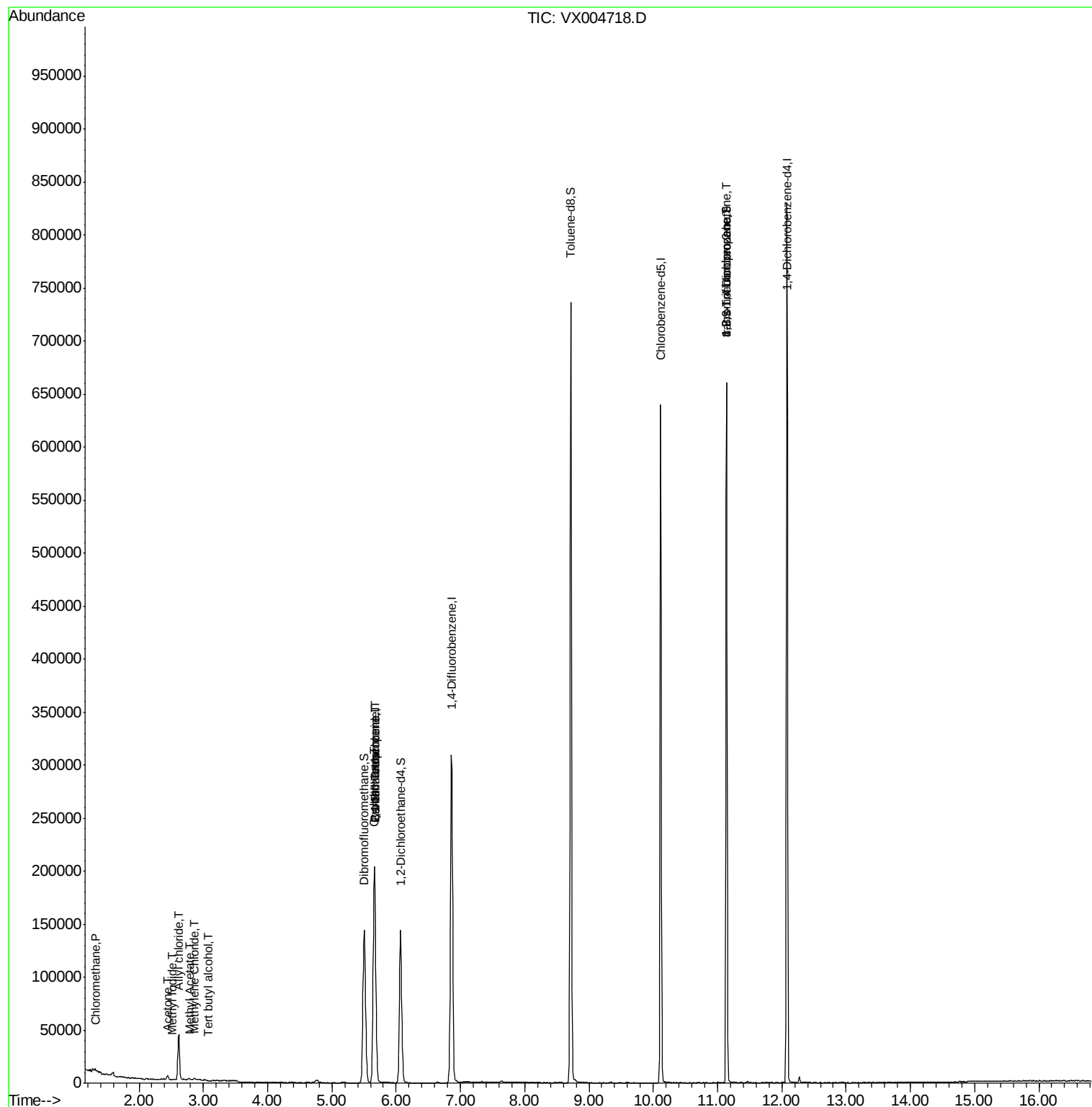
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	599	0.21	ug/l #	67
5) Bromomethane	1.65	94	459	Below Cal	#	56
10) Methyl Iodide	2.51	142	48	4.27	ug/l #	41
11) Tert butyl alcohol	3.07	59	140	0.21	ug/l #	72
14) Allyl chloride	2.62	41	4725	1.02	ug/l #	72
16) Acetone	2.44	43	3684	2.71	ug/l	99
18) Methyl Acetate	2.78	43	856	0.22	ug/l	93
20) Methylene Chloride	2.85	84	600	0.22	ug/l #	78
31) Cyclohexane	5.65	56	3471	0.86	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13884	3.51	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18797	4.86	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	75942	21.32	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	75942	67.97	ug/l #	10

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

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 20 03:52:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

Instrument :

MSVOA_X

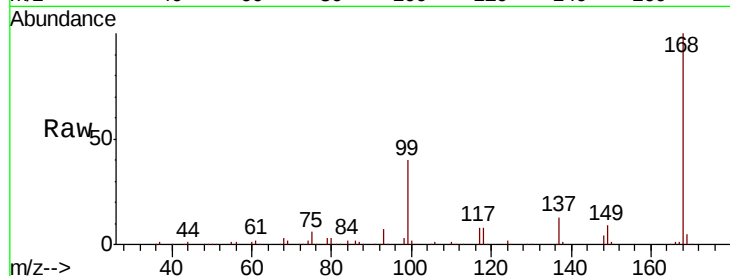
ClientSampled :

Tot Ion:168 Resp: 216125

Ion Ratio Lower Upper

168 100

99 39.6 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): VX004467.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX004467.D (-726) (-)

5.67

80000

60000

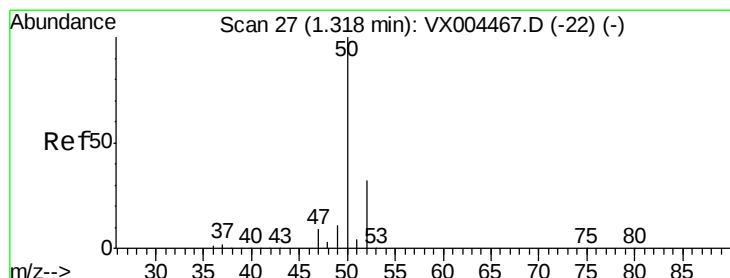
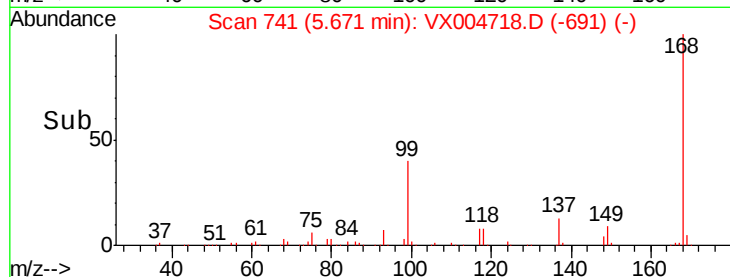
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004718.D

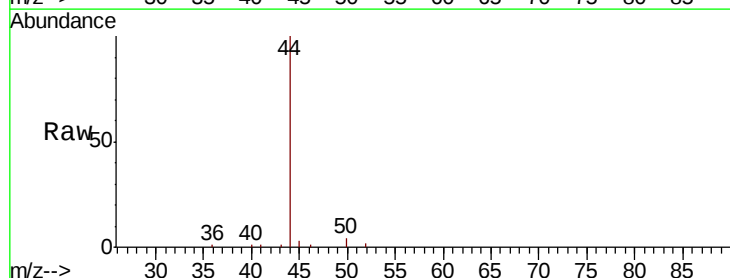
Acq: 19 Sep 2018 20:46

Tgt Ion: 50 Resp: 599

Ion Ratio Lower Upper

50 100

52 51.2 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX004467.D (-22) (-)

Ion 51.90 (51.60 to 52.60): VX004467.D (-22) (-)

1.32

500

400

300

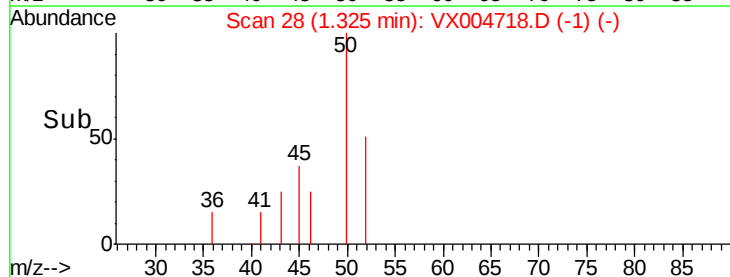
200

100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

Instrument :

MSVOA_X

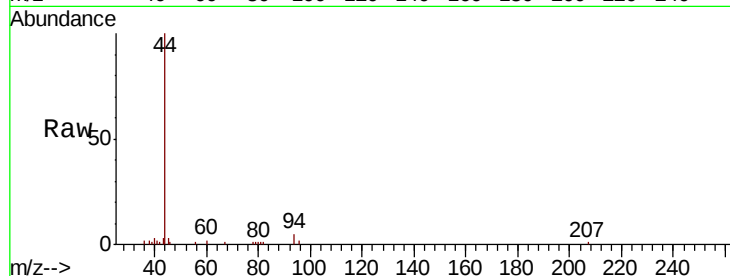
ClientSampled :

Tot Ion: 94 Resp: 459

Ion Ratio Lower Upper

94 100

96 50.9 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

150

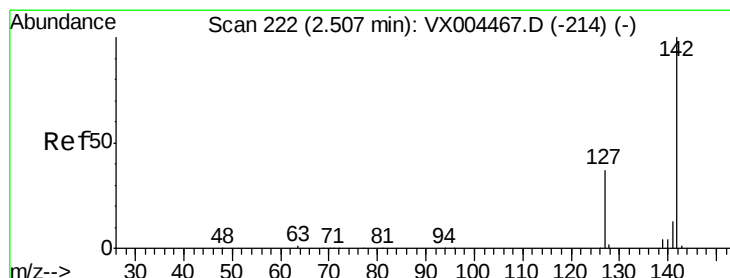
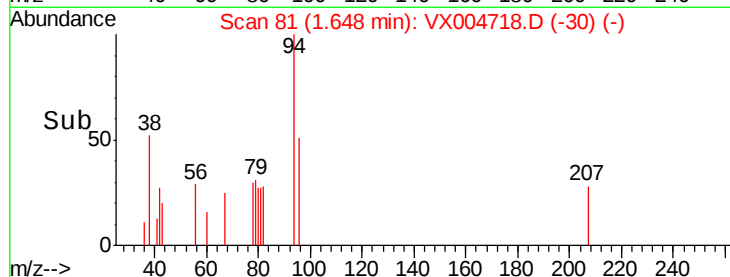
100

50

0

1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 4.27 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

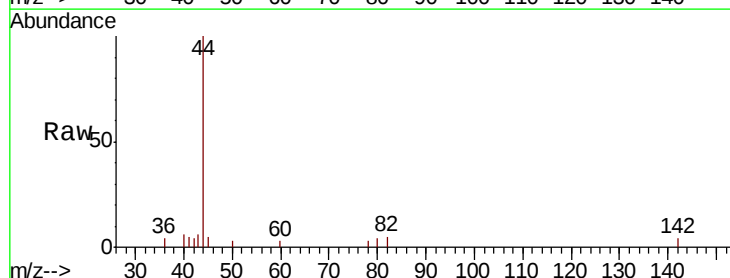
Tgt Ion: 142 Resp: 48

Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

120

100

80

60

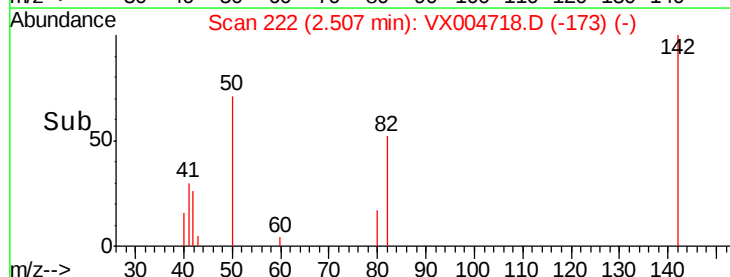
40

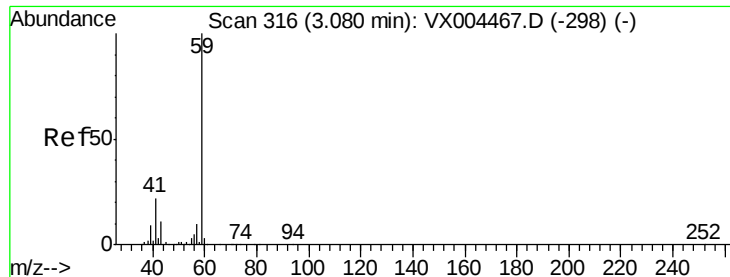
20

0

2.49 2.50 2.51 2.52

Time-->

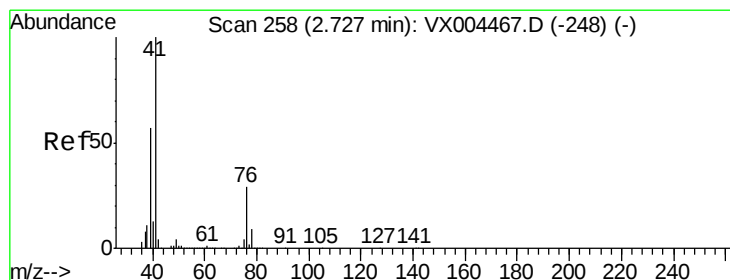
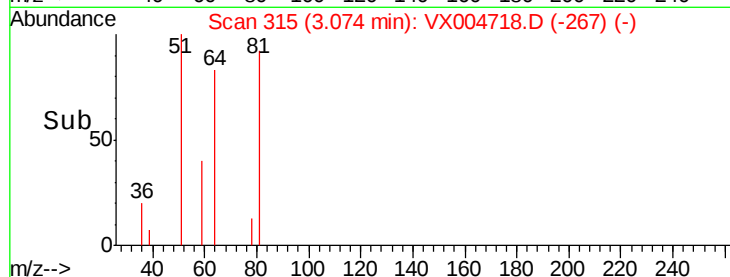
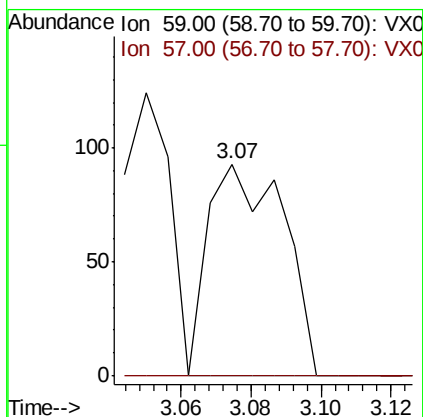
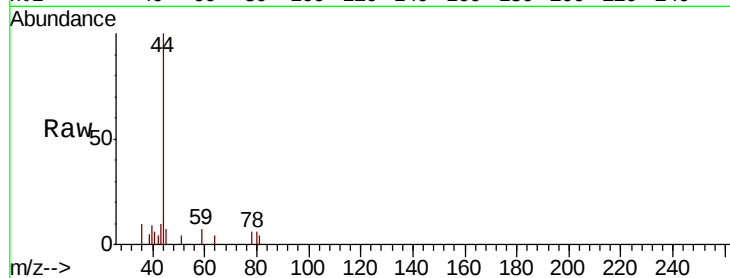




#11
Tert butyl alcohol
Concen: 0.21 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004718.D
Acq: 19 Sep 2018 20:46

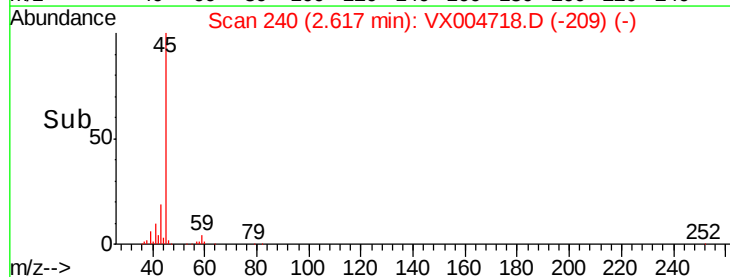
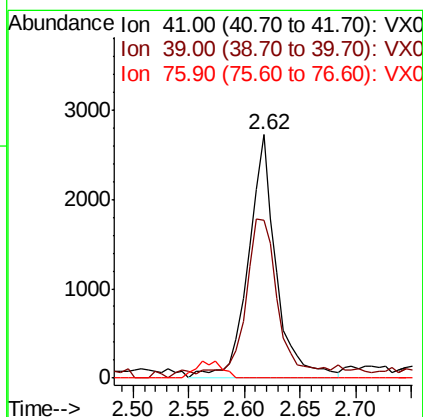
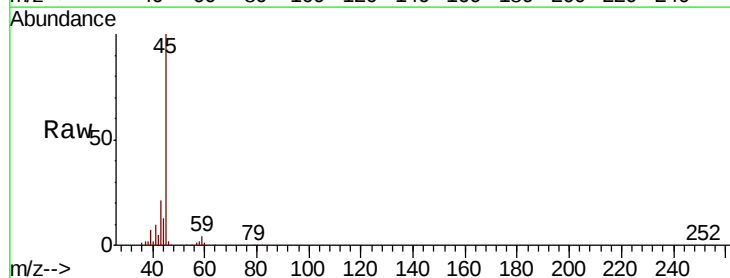
Instrument :
MSVOA_X
ClientSampled :

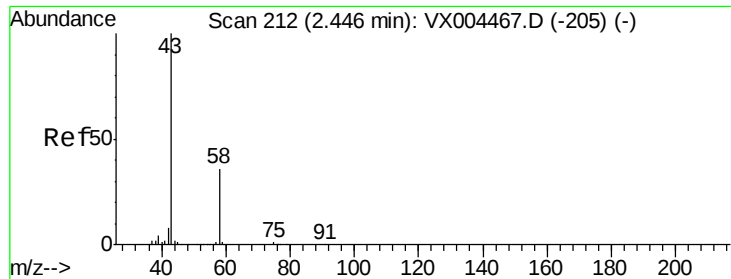
Tot Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#14
Allyl chloride
Concen: 1.02 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.11 min
Lab File: VX004718.D
Acq: 19 Sep 2018 20:46

Tgt Ion: 41 Resp: 4725
Ion Ratio Lower Upper
41 100
39 69.1 48.9 73.3
76 0.0 26.7 40.1#

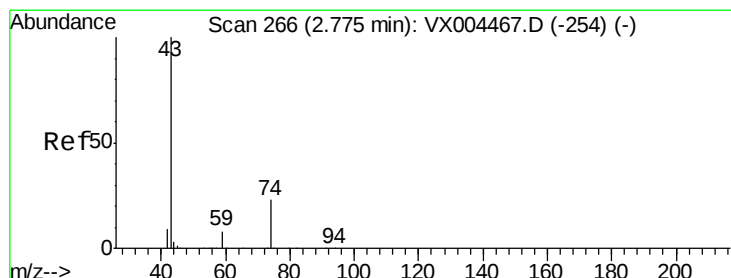
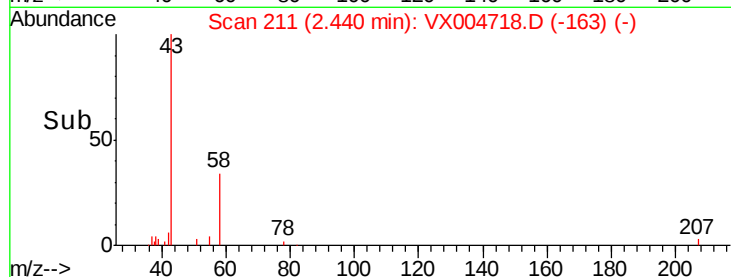
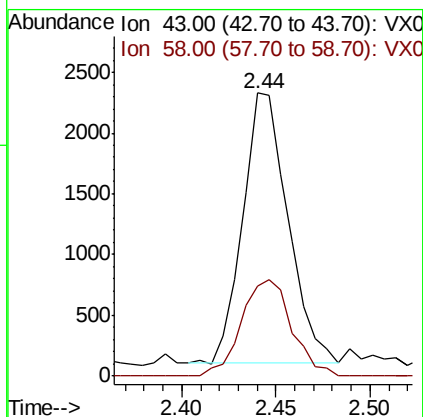
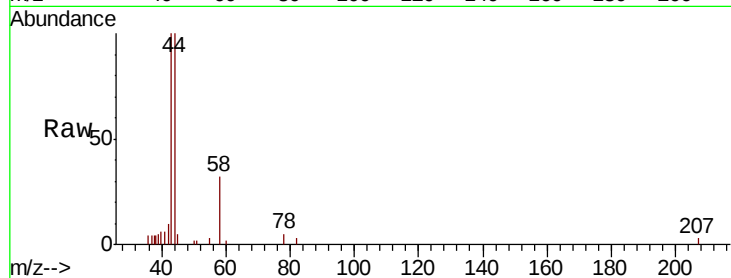




#16
Acetone
Concen: 2.71 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004718.D
Acq: 19 Sep 2018 20:46

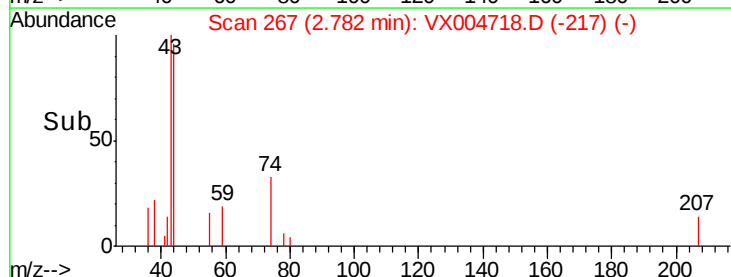
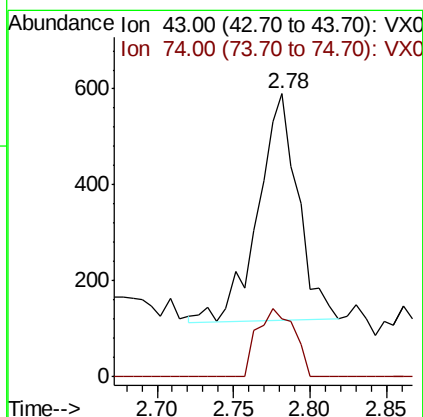
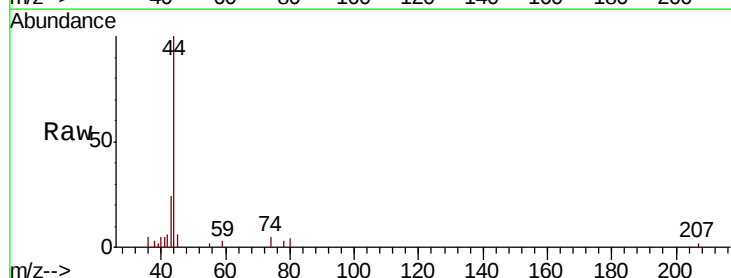
Instrument :
MSVOA_X
ClientSampled :

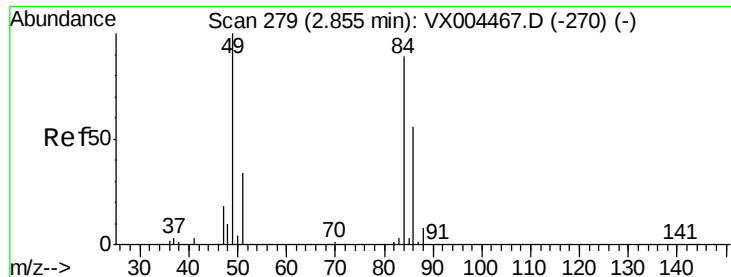
Tot Ion: 43 Resp: 3684
Ion Ratio Lower Upper
43 100
58 33.5 26.2 39.4



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004718.D
Acq: 19 Sep 2018 20:46

Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
74 27.8 19.4 29.2

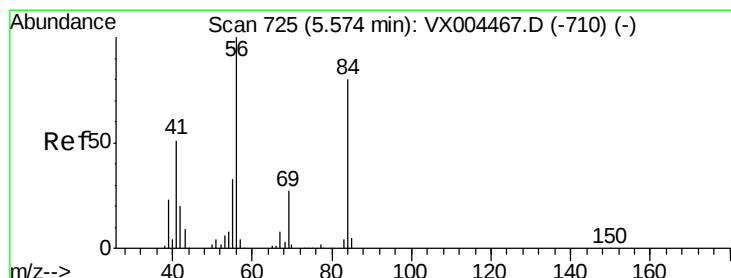
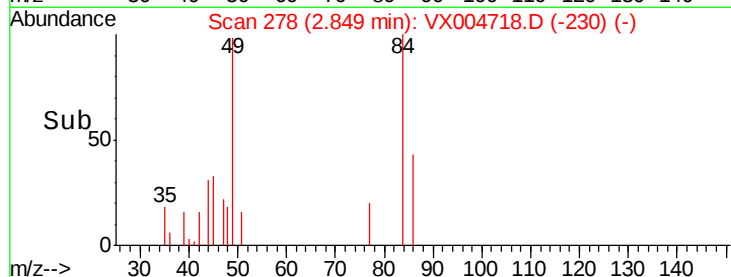
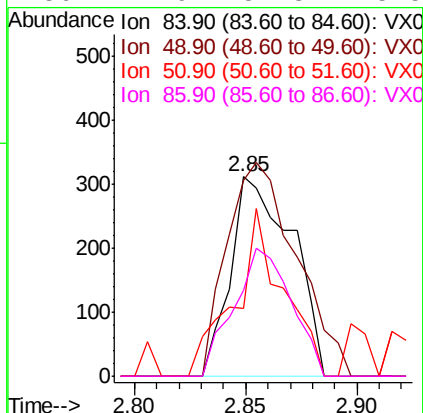
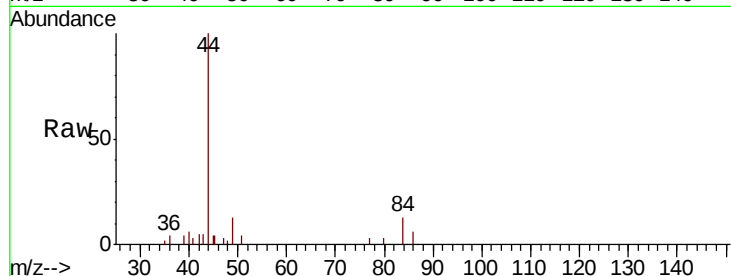




#20
Methvlene Chloride
Concen: 0.22 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004718.D
Acq: 19 Sep 2018 20:46

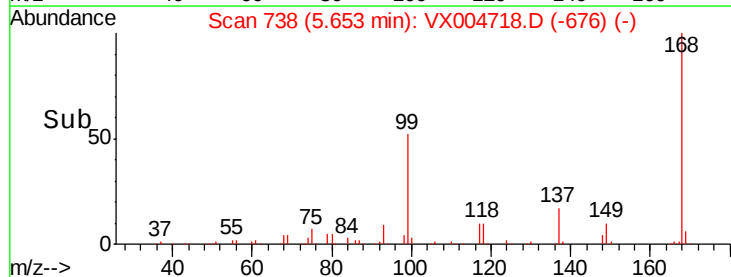
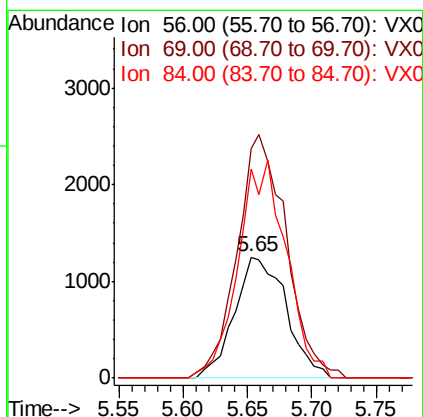
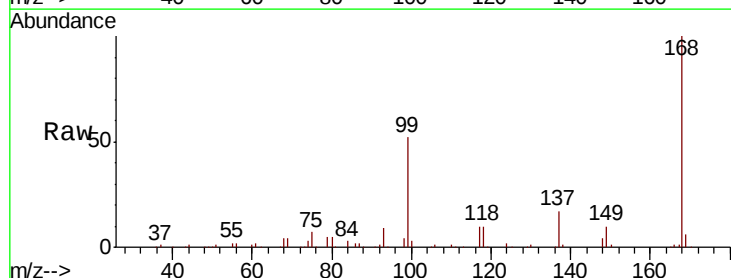
Instrument :
MSVOA_X
ClientSampled :

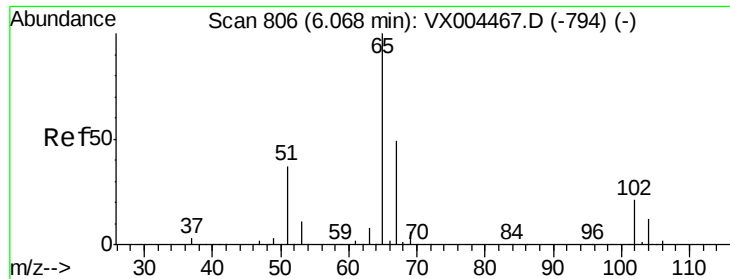
Tot Ion: 84 Resp: 600
Ion Ratio Lower Upper
84 100
49 98.4 101.2 151.8#
51 34.0 29.5 44.3
86 42.9 52.3 78.5#



#31
Cyclohexane
Concen: 0.86 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX004718.D
Acq: 19 Sep 2018 20:46

Tgt Ion: 56 Resp: 3471
Ion Ratio Lower Upper
56 100
69 189.5 25.4 38.2#
84 172.6 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 47.63 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

Instrument :

MSVOA_X

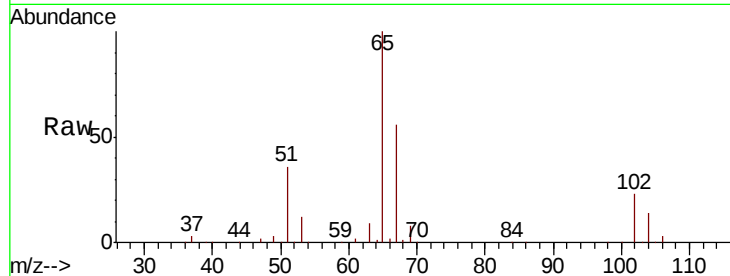
ClientSampleId :

Tot Ion: 65 Resp: 132743

Ion Ratio Lower Upper

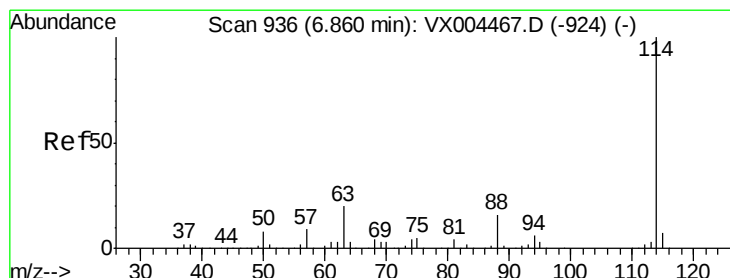
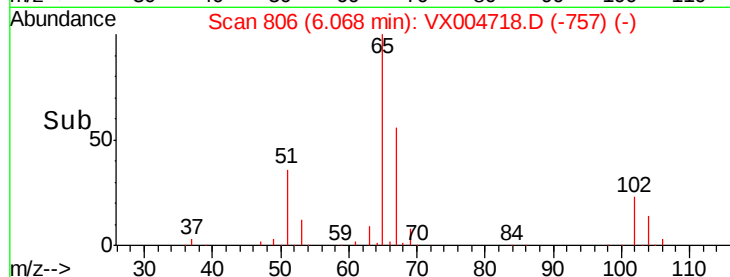
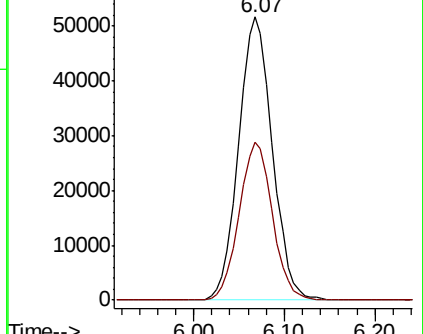
65 100

67 55.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

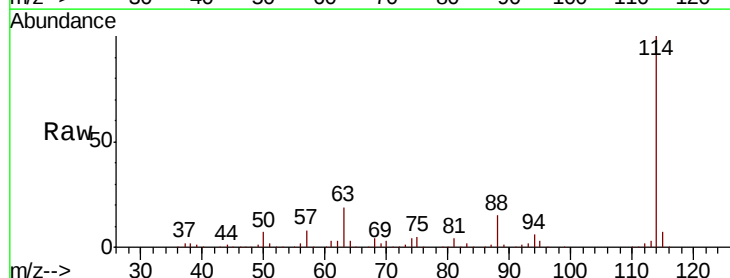
Tgt Ion: 114 Resp: 326064

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

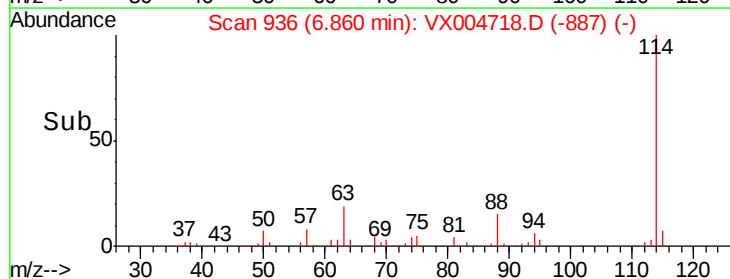
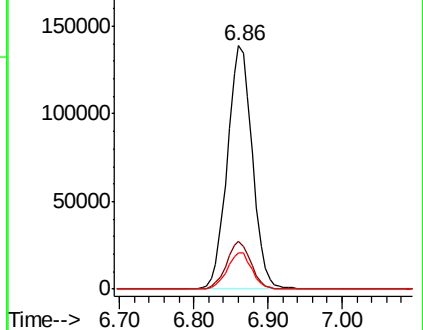
88 14.8 0.0 30.4

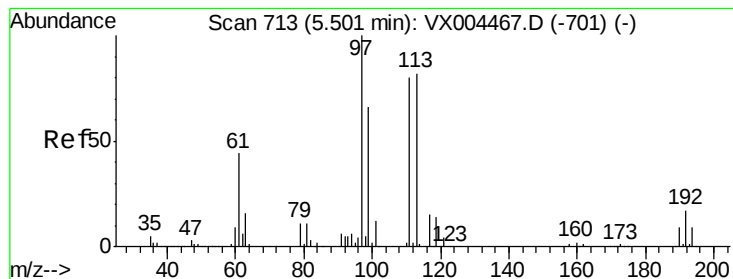


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 42.04 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

Instrument :

MSVOA_X

ClientSampleId :

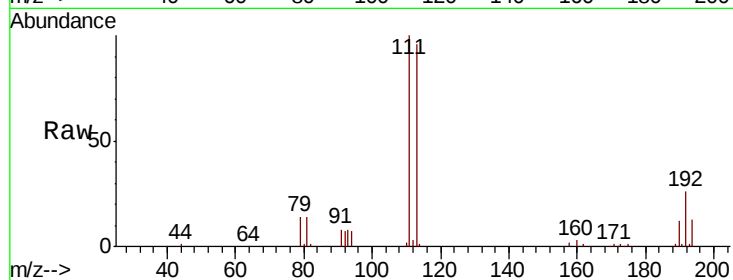
Tot Ion:113 Resp: 125450

Ion Ratio Lower Upper

113 100

111 101.2 82.4 123.6

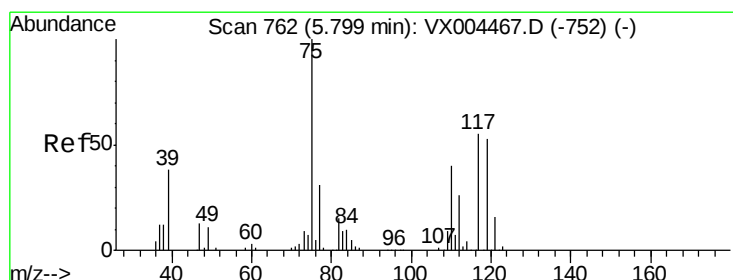
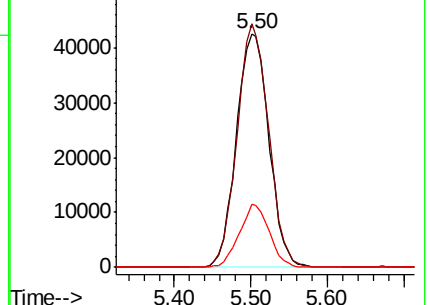
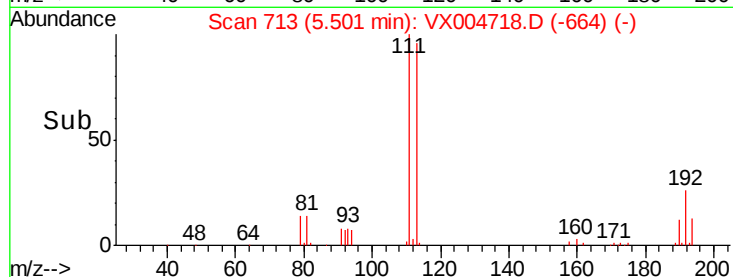
192 24.8 19.4 29.2



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: 3.51 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

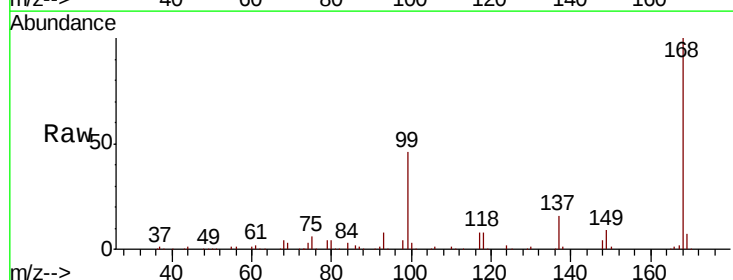
Tgt Ion: 75 Resp: 13884

Ion Ratio Lower Upper

75 100

110 9.2 18.0 54.0#

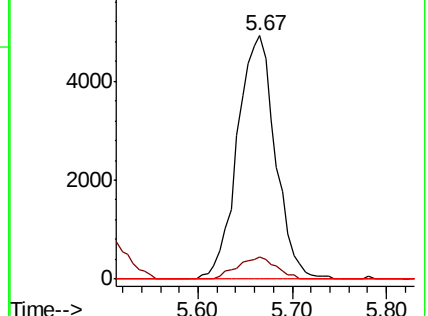
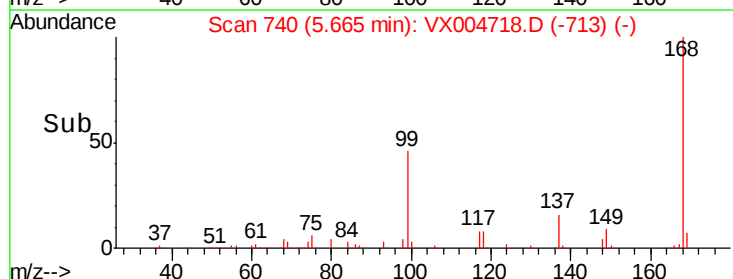
77 0.0 24.6 36.8#

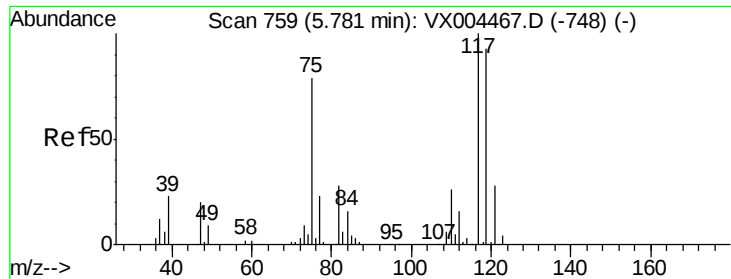


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

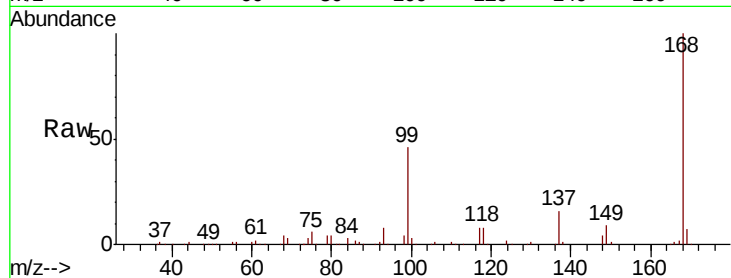




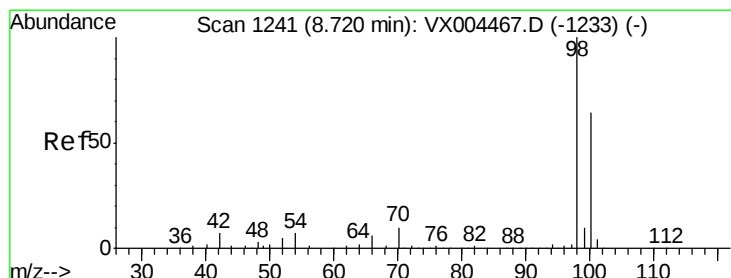
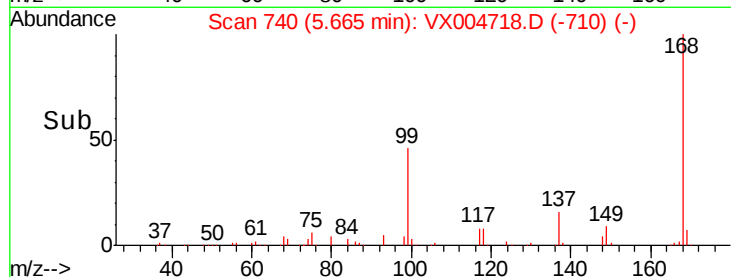
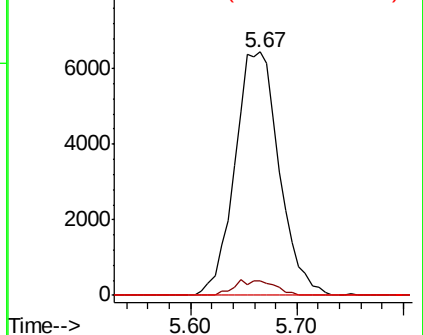
#38
Carbon Tetrachloride
Concen: 4.86 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004718.D
Acq: 19 Sep 2018 20:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18797
Ion Ratio Lower Upper
117 100
119 5.7 78.8 118.2#
121 0.0 24.9 37.3#

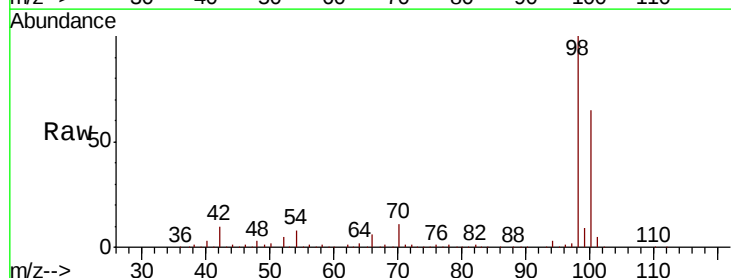


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

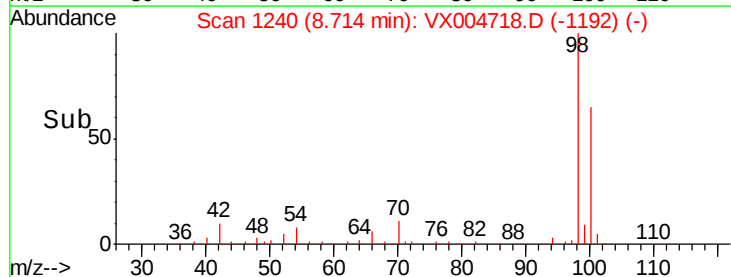
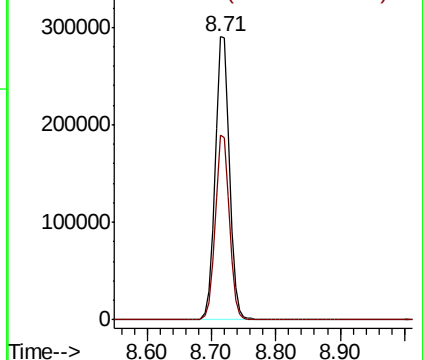


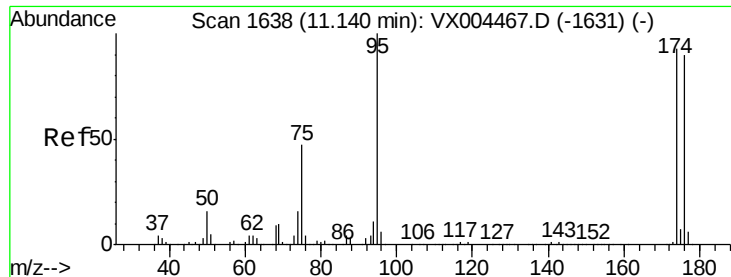
#50
Toluene-d8
Concen: 45.56 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004718.D
Acq: 19 Sep 2018 20:46

Tgt Ion: 98 Resp: 455868
Ion Ratio Lower Upper
98 100
100 64.7 52.9 79.3



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





#62

4-Bromofluorobenzene

Concen: 45.77 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

Instrument :

MSVOA_X

ClientSampleId :

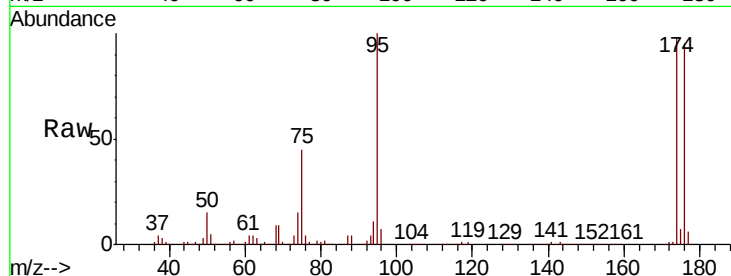
Tot Ion: 95 Resp: 163469

Ion Ratio Lower Upper

95 100

174 95.8 0.0 185.2

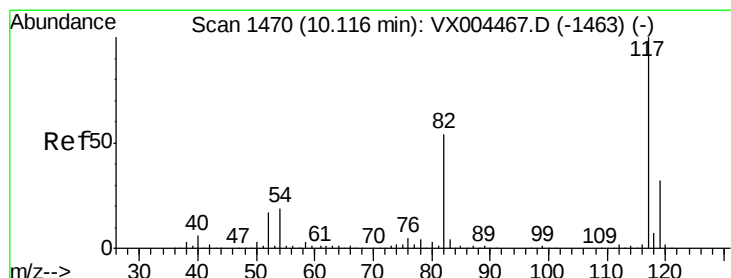
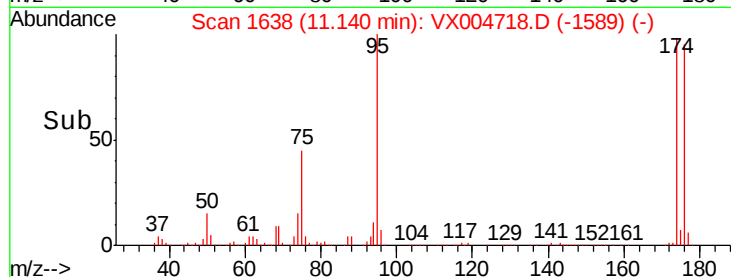
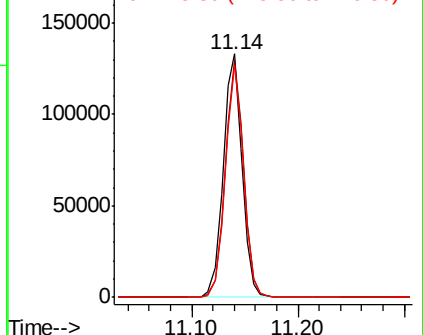
176 92.9 0.0 178.6



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: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

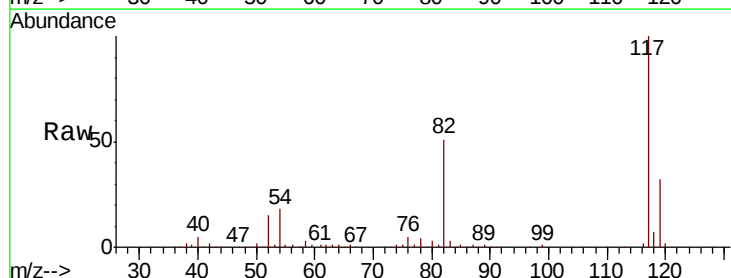
Tgt Ion: 117 Resp: 311420

Ion Ratio Lower Upper

117 100

82 51.3 47.8 71.6

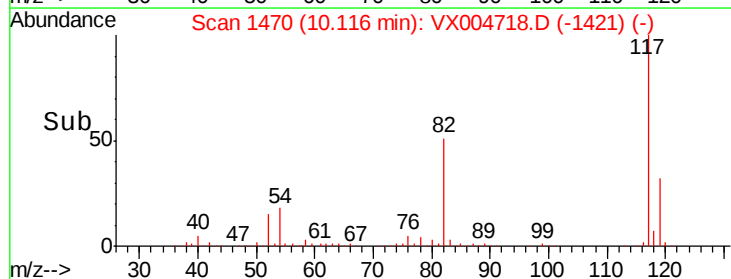
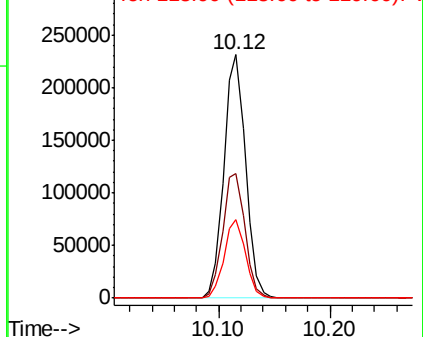
119 32.0 29.3 43.9

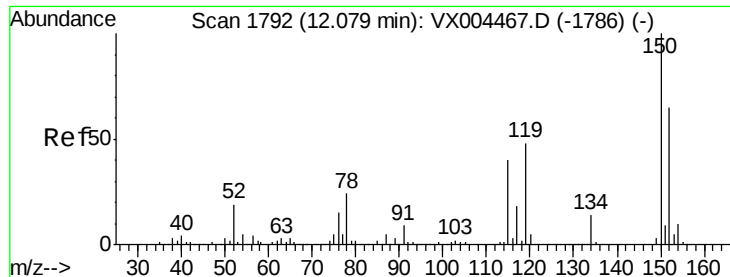


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

Instrument :

MSVOA_X

ClientSampleId :

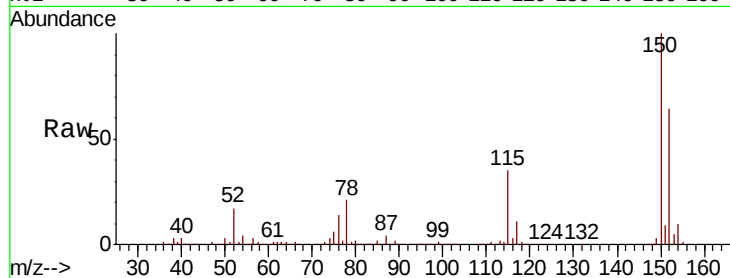
Tot Ion:152 Resp: 177020

Ion Ratio Lower Upper

152 100

115 53.7 39.0 117.0

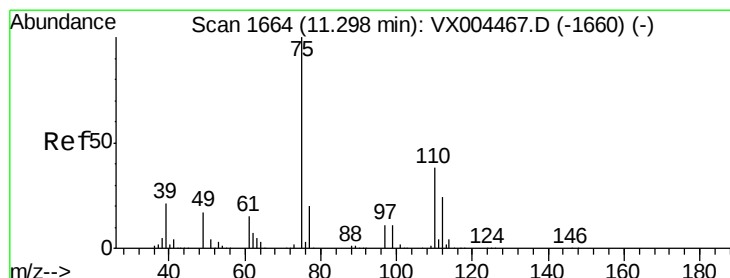
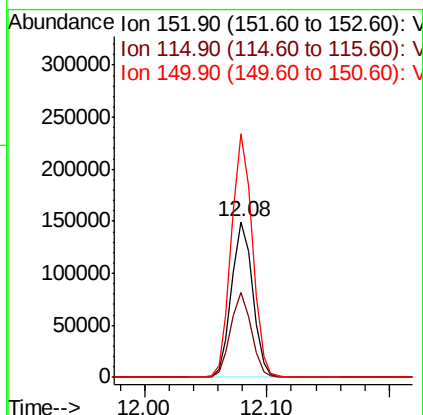
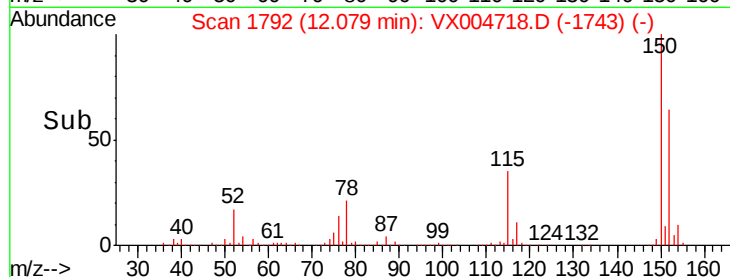
150 156.4 0.0 351.0



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: 21.32 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004718.D

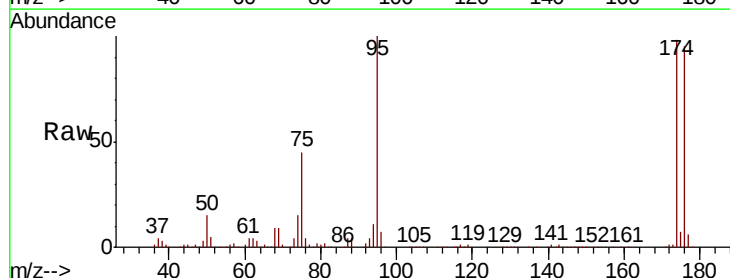
Acq: 19 Sep 2018 20:46

Tgt Ion: 75 Resp: 75942

Ion Ratio Lower Upper

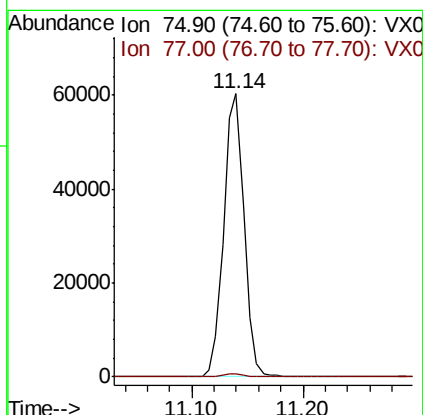
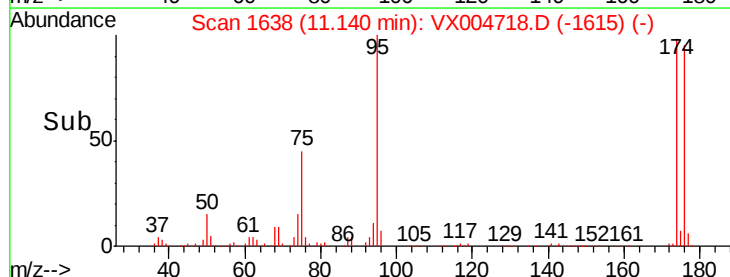
75 100

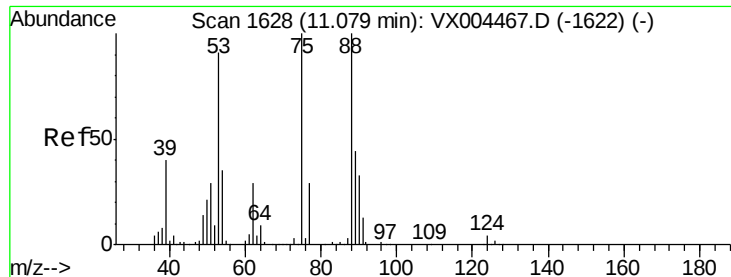
77 1.2 20.2 60.6#



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: 67.97 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004718.D

Acq: 19 Sep 2018 20:46

Instrument :

MSVOA_X

ClientSampleId :

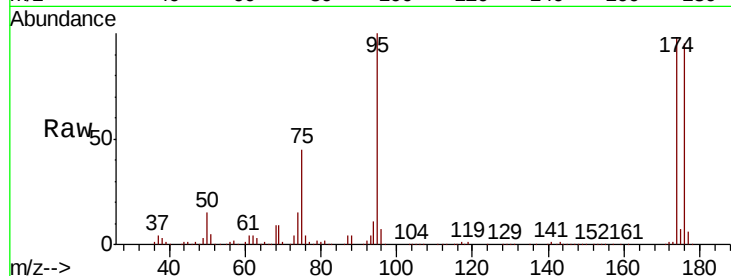
Tot Ion: 75 Resp: 75942

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

