

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
 Data File : VX004672.D
 Acq On : 18 Sep 2018 22:30
 Operator : JC/MD
 Sample : VX0918WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBL02

Quant Time: Sep 19 05:41:39 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

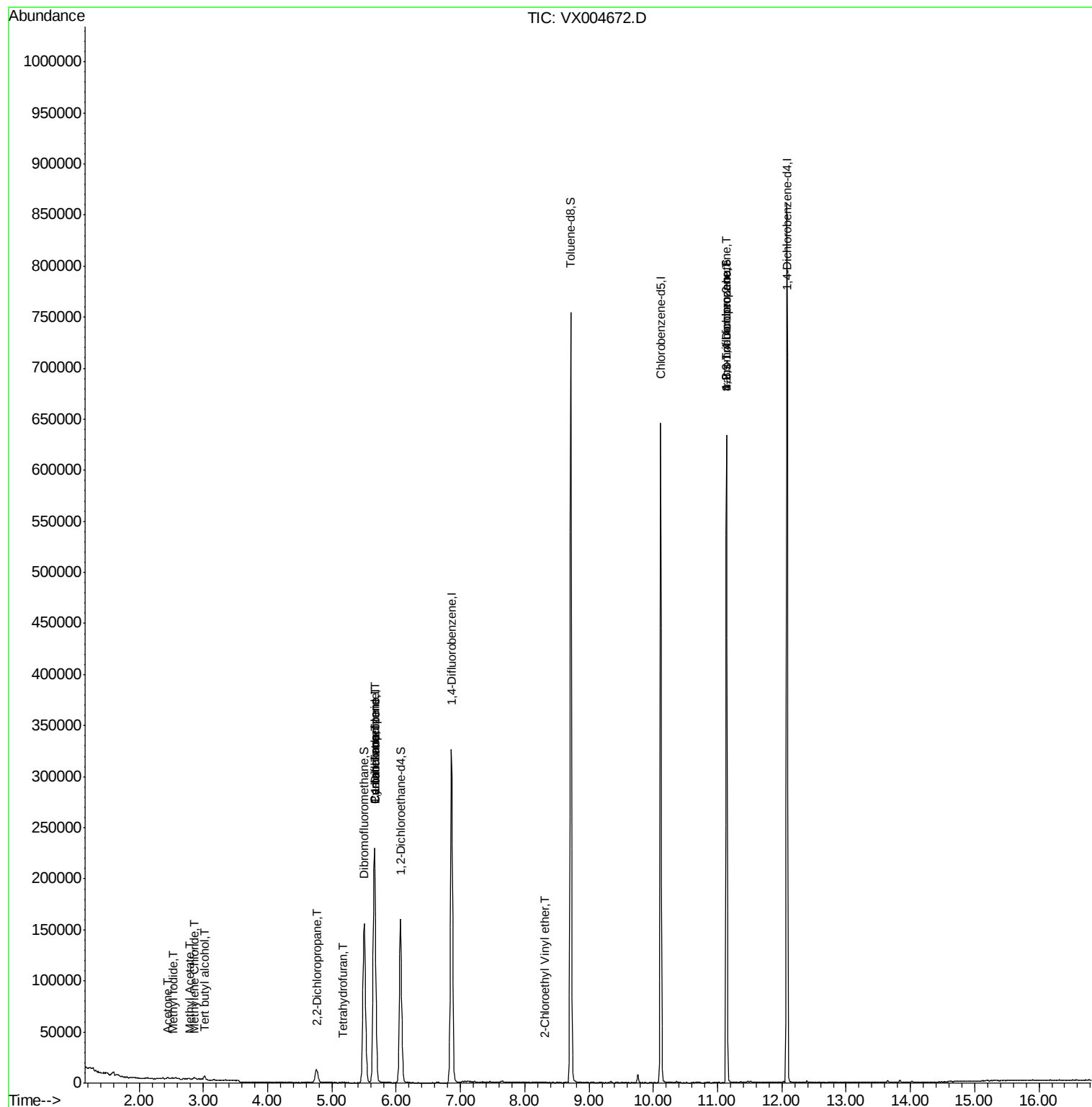
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	244988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336085	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191519	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	148781	47.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.20%	
35) Dibromofluoromethane	5.50	113	138187	44.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.86%	
50) Toluene-d8	8.71	98	463109	44.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.80%	
62) 4-Bromofluorobenzene	11.14	95	161579	43.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.78%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	797	Below Cal	#	76
10) Methyl Iodide	2.53	142	859	4.497	ug/l	91
11) Tert butyl alcohol	3.01	59	2784	3.693	ug/l #	74
16) Acetone	2.45	43	1386	0.899	ug/l	92
18) Methyl Acetate	2.78	43	1102	0.255	ug/l #	88
20) Methylene Chloride	2.85	84	856	0.271	ug/l #	85
26) 2,2-Dichloropropane	4.77	77	1050	0.286	ug/l #	52
29) Tetrahydrofuran	5.17	42	409	0.276	ug/l #	47
31) Cyclohexane	5.67	56	3933	0.861	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15474	3.792	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20927	5.251	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.32	63	20	7.280	ug/l #	45
76) 1,2,3-Trichloropropane	11.14	75	74911	19.441	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	74911	61.969	ug/l #	10

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

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QLast Update : Wed Sep 12 02:17:23 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004672.D

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Instrument :

MSVOA_X

ClientSampleId :

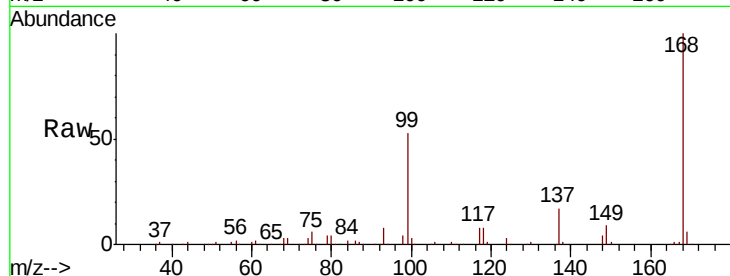
VX0918WBL02

Tgt Ion:168 Resp: 244988

Ion Ratio Lower Upper

168 100

99 52.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

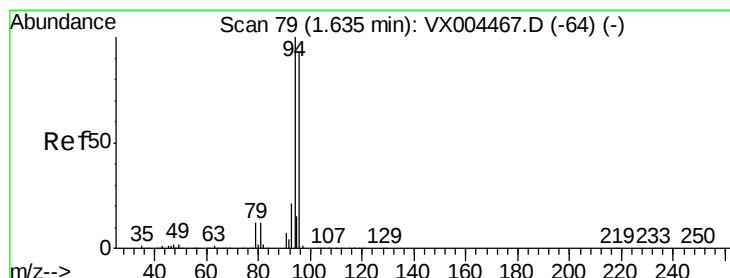
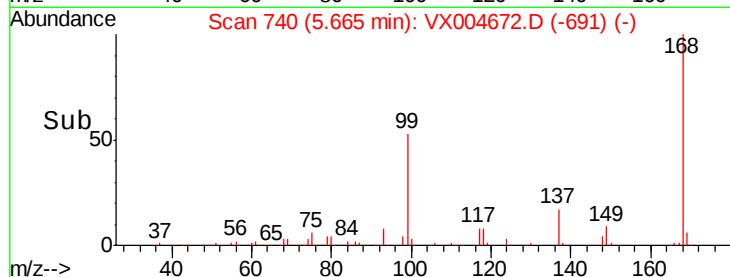
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004672.D

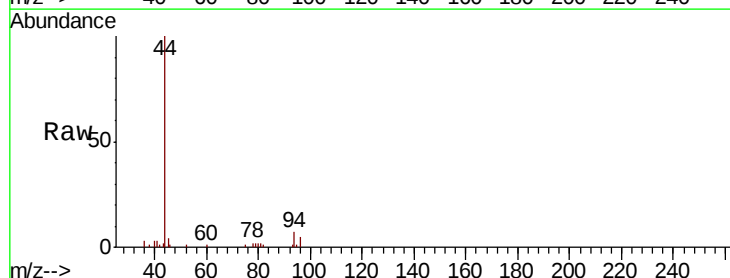
Acq: 18 Sep 2018 22:30

Tgt Ion: 94 Resp: 797

Ion Ratio Lower Upper

94 100

96 70.4 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

400

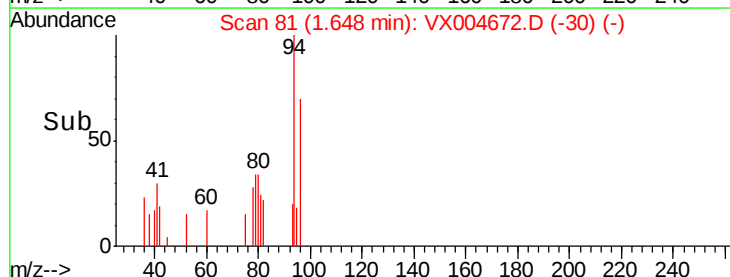
300

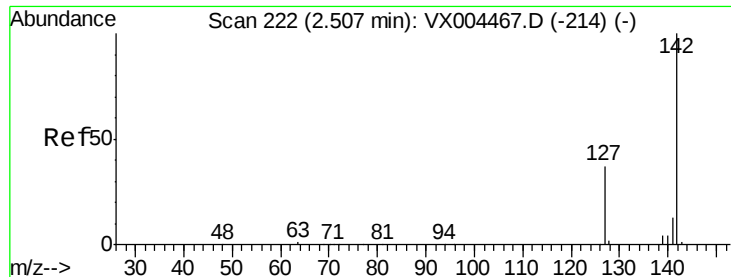
200

100

0

Time--> 1.60 1.65 1.70

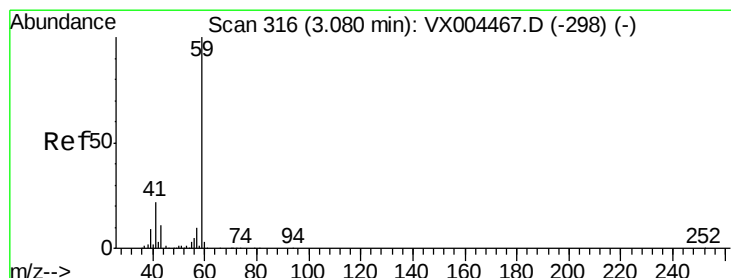
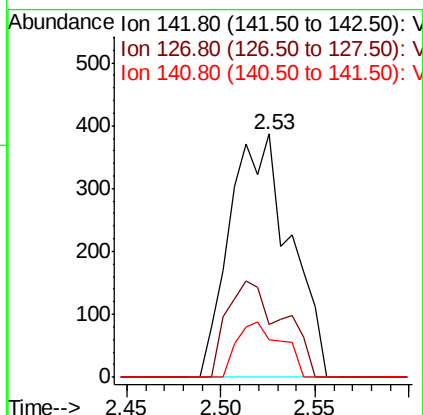
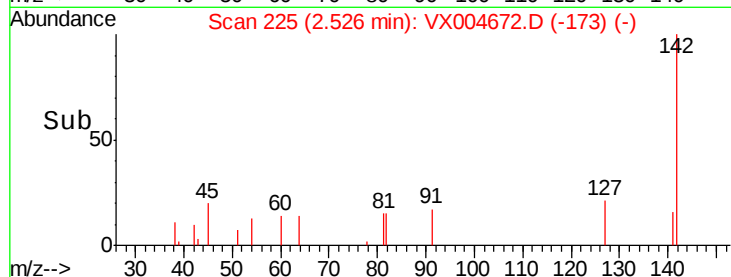
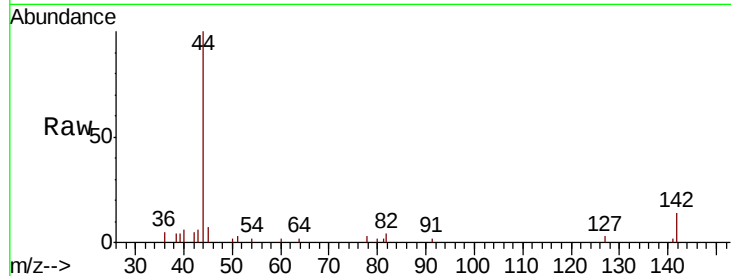




#10
Methyl Iodide
Concen: 4.497 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX004672.D
Acq: 18 Sep 2018 22:30

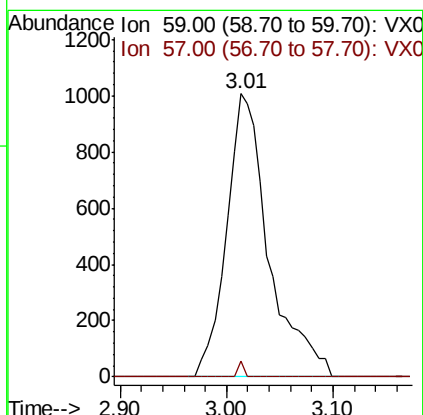
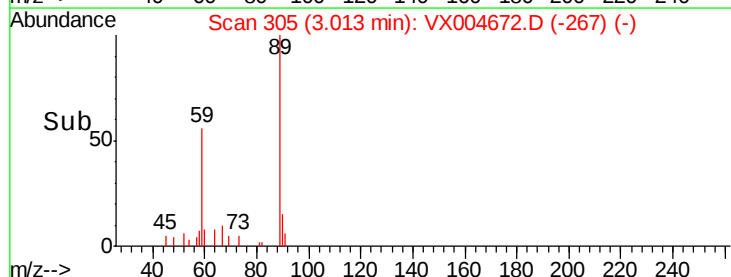
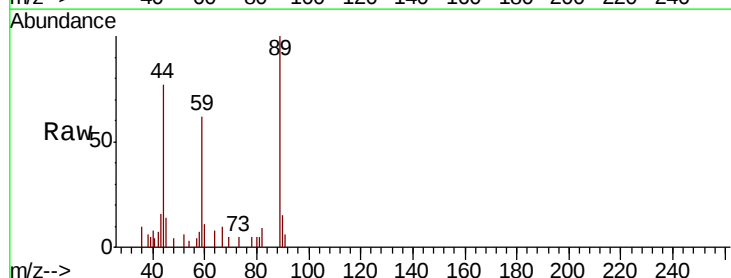
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL02

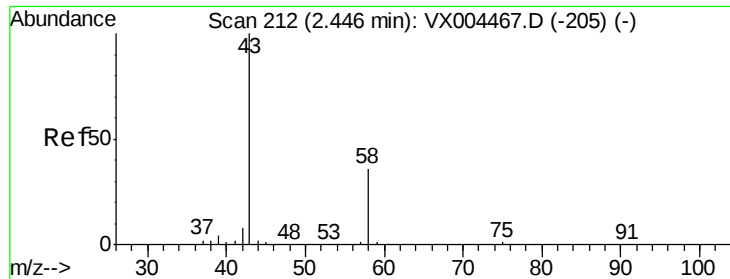
Tgt Ion: 142 Resp: 859
Ion Ratio Lower Upper
142 100
127 36.3 33.8 50.6
141 16.9 11.4 17.0



#11
Tert butyl alcohol
Concen: 3.693 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX004672.D
Acq: 18 Sep 2018 22:30

Tgt Ion: 59 Resp: 2784
Ion Ratio Lower Upper
59 100
57 0.8 8.2 12.4#

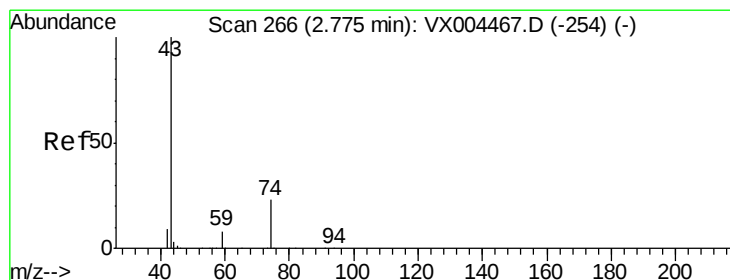
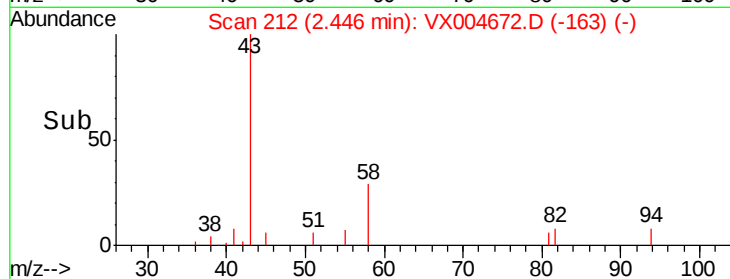
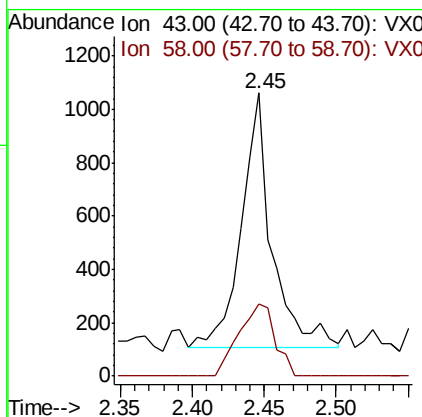
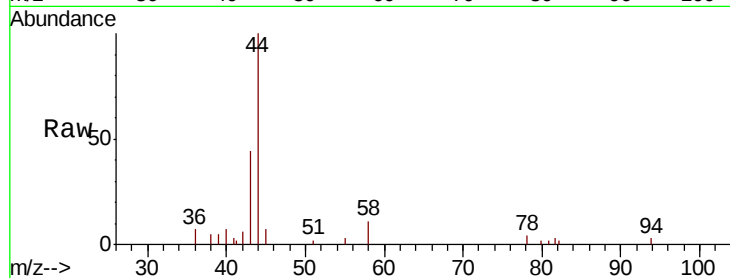




#16
 Acetone
 Concen: 0.899 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX004672.D
 Acq: 18 Sep 2018 22:30

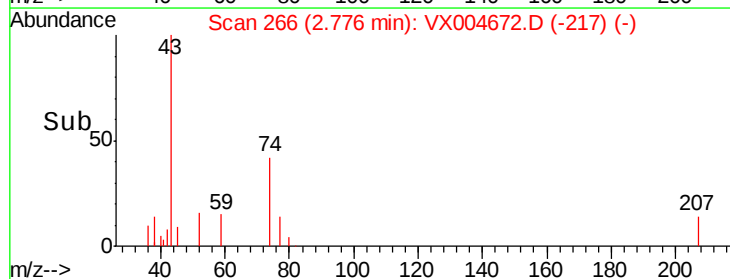
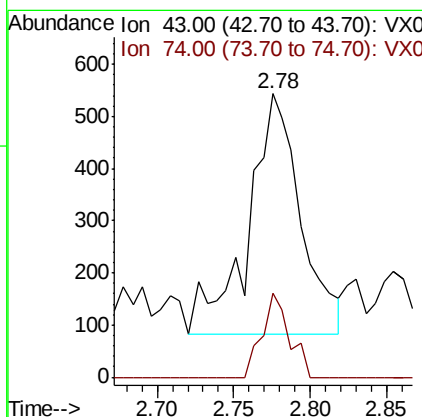
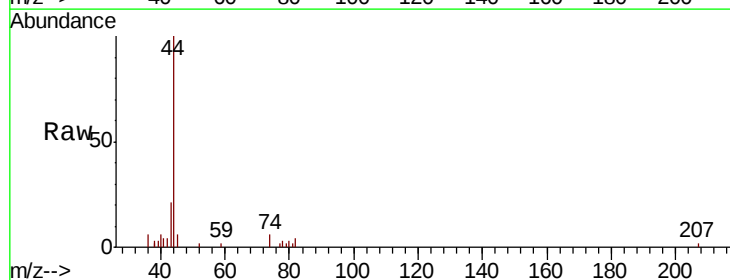
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBL02

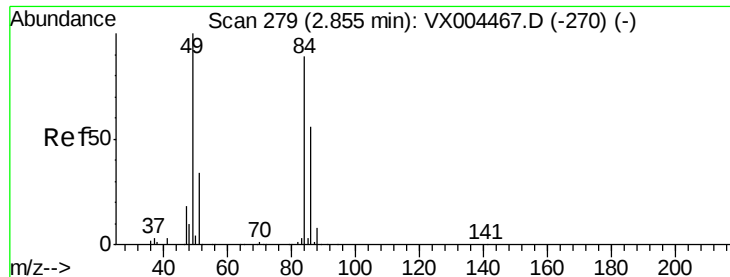
Tgt Ion: 43 Resp: 1386
 Ion Ratio Lower Upper
 43 100
 58 28.2 26.2 39.4



#18
 Methyl Acetate
 Concen: 0.255 ug/l
 RT: 2.78 min Scan# 266
 Delta R.T. 0.00 min
 Lab File: VX004672.D
 Acq: 18 Sep 2018 22:30

Tgt Ion: 43 Resp: 1102
 Ion Ratio Lower Upper
 43 100
 74 18.1 19.4 29.2#

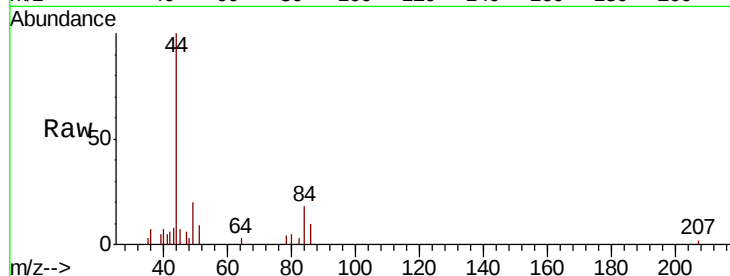




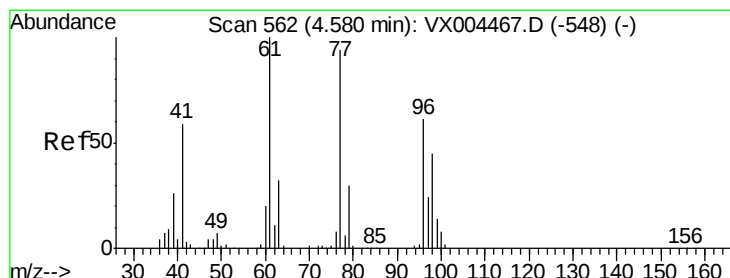
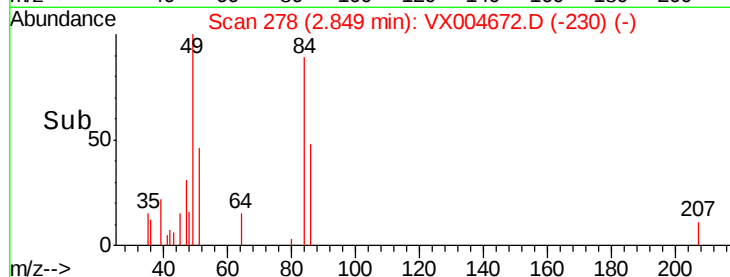
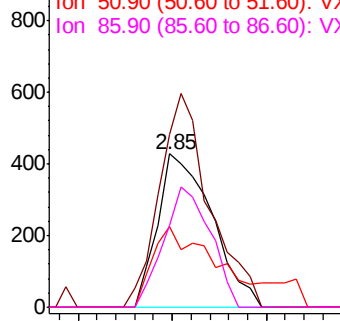
#20
Methylene Chloride
Concen: 0.271 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004672.D
Acq: 18 Sep 2018 22:30

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL02

Tgt Ion: 84 Resp: 856
Ion Ratio Lower Upper
84 100
49 112.9 101.2 151.8
51 52.3 29.5 44.3#
86 53.7 52.3 78.5

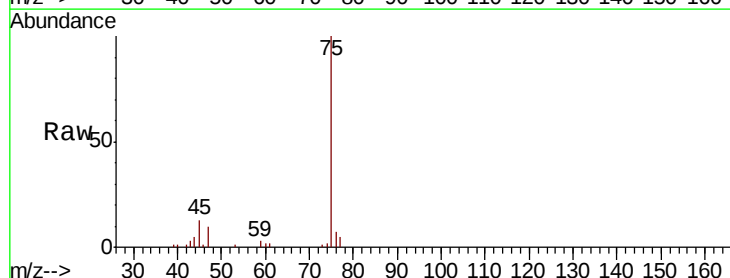


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

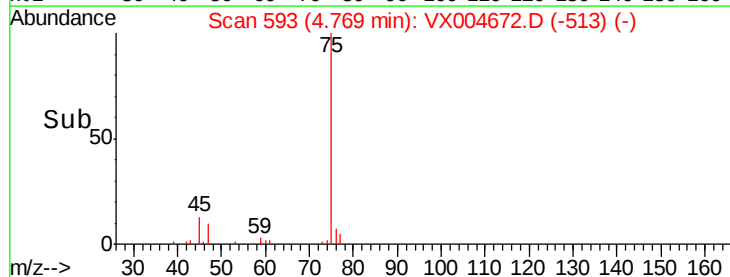
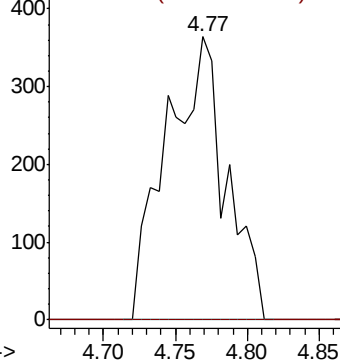


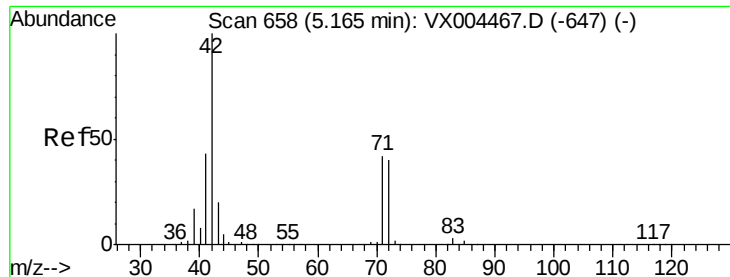
#26
2,2-Dichloropropane
Concen: 0.286 ug/l
RT: 4.77 min Scan# 593
Delta R.T. 0.19 min
Lab File: VX004672.D
Acq: 18 Sep 2018 22:30

Tgt Ion: 77 Resp: 1050
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0
Ion 96.90 (96.60 to 97.60): VX0





#29

Tetrahydrofuran

Concen: 0.276 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBL02

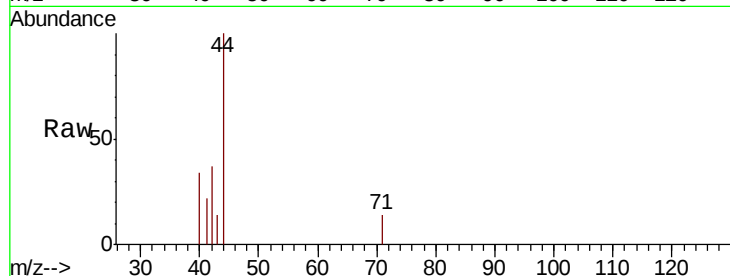
Tgt Ion: 42 Resp: 409

Ion Ratio Lower Upper

42 100

72 4.6 37.4 56.0#

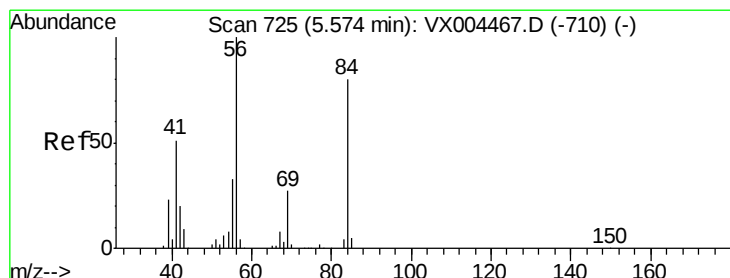
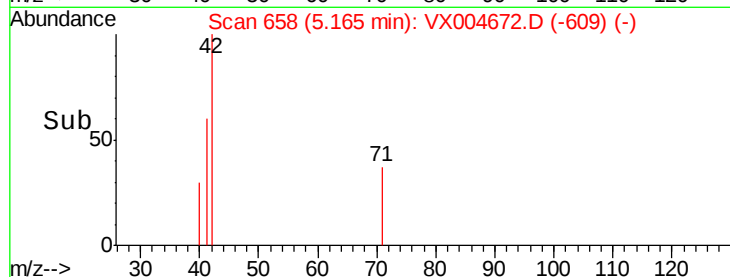
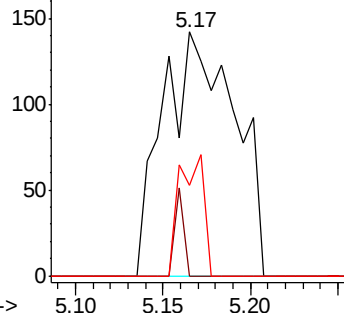
71 16.9 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.861 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

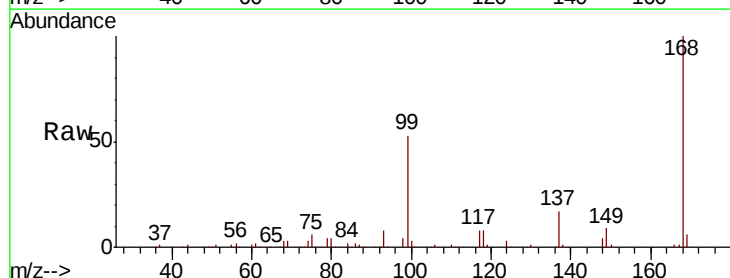
Tgt Ion: 56 Resp: 3933

Ion Ratio Lower Upper

56 100

69 169.7 25.4 38.2#

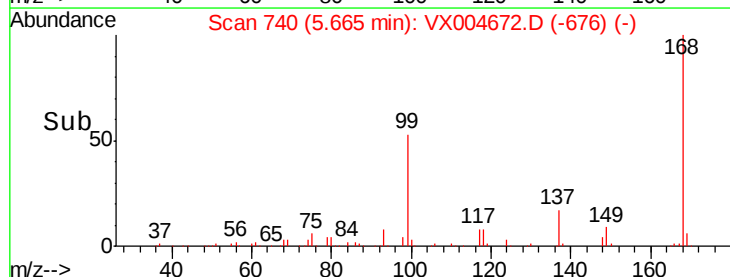
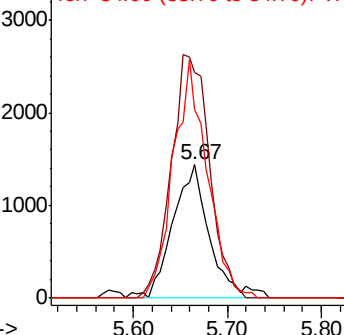
84 141.9 71.4 107.2#

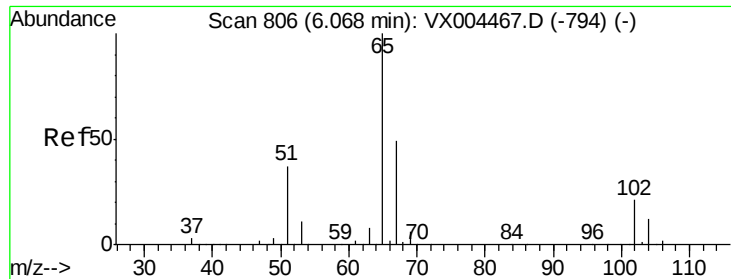


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.099 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

Instrument :

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ClientSampleId :

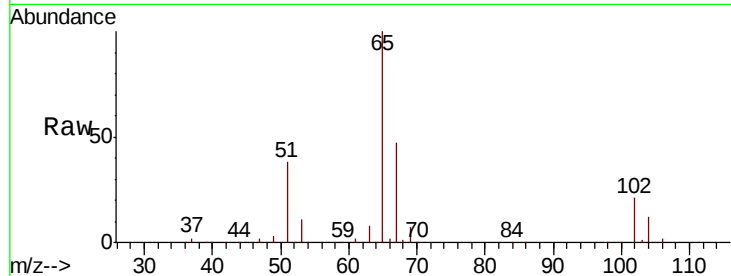
VX0918WBL02

Tgt Ion: 65 Resp: 148781

Ion Ratio Lower Upper

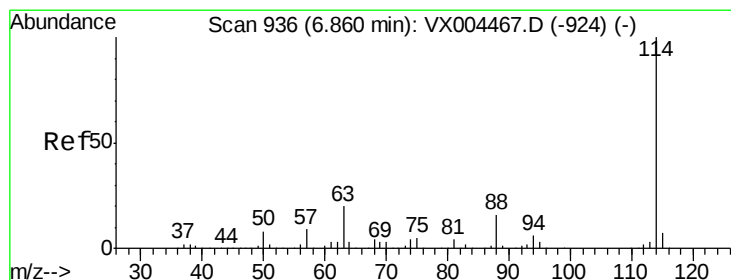
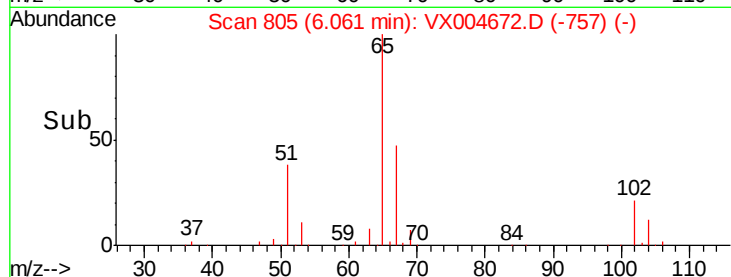
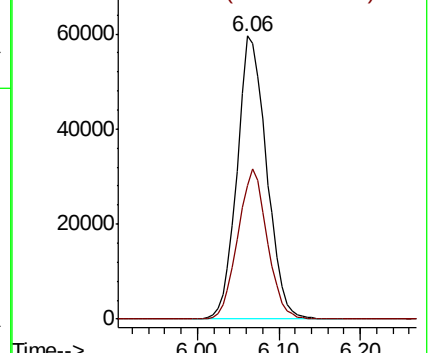
65 100

67 52.9 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: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

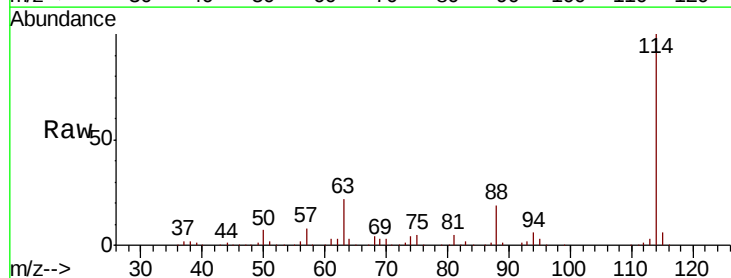
Tgt Ion: 114 Resp: 336085

Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.0

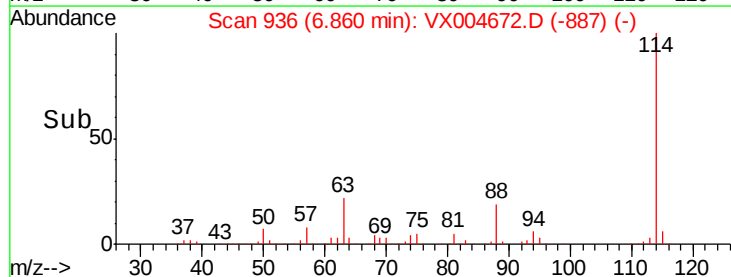
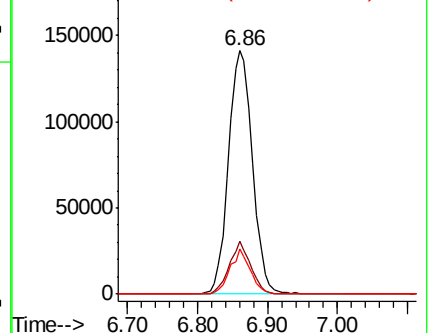
88 18.7 0.0 30.4

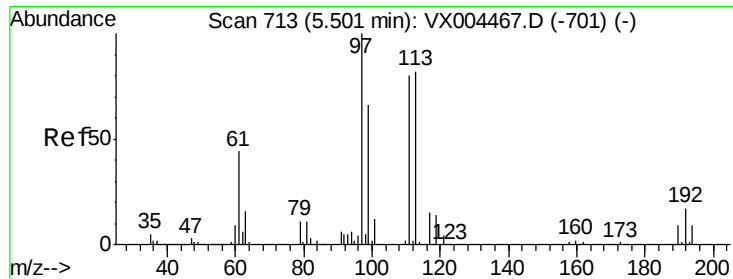


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.932 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

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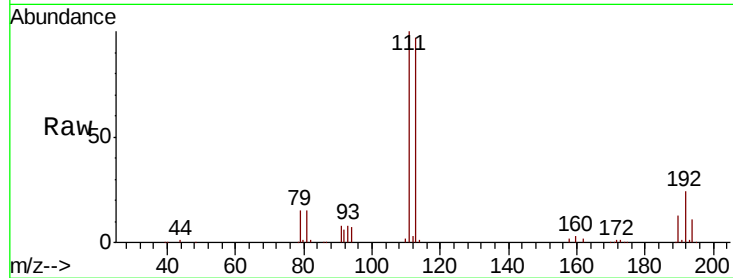
Tgt Ion:113 Resp: 138187

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

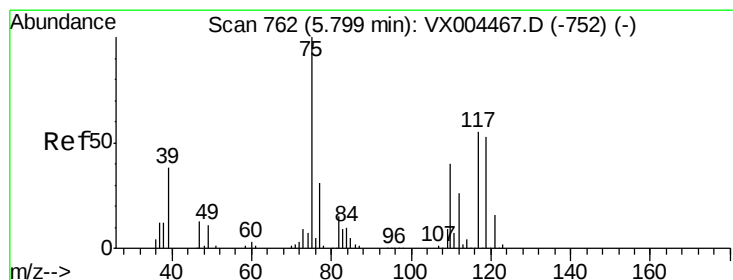
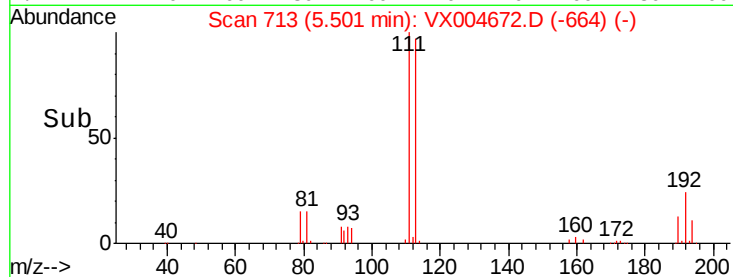
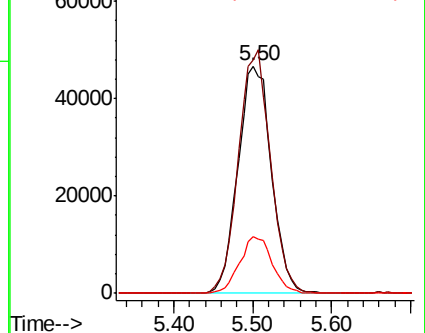
192 24.2 19.4 29.2



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: 3.792 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

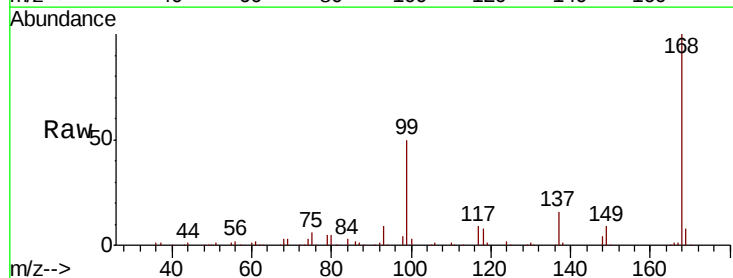
Tgt Ion: 75 Resp: 15474

Ion Ratio Lower Upper

75 100

110 8.4 18.0 54.0#

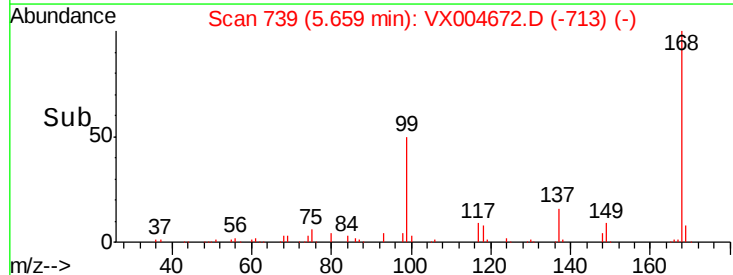
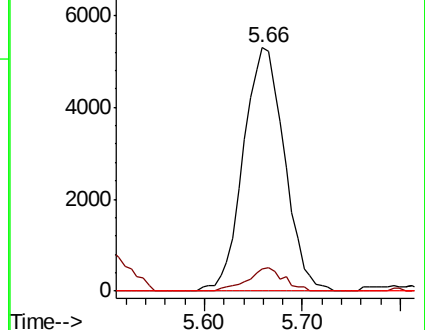
77 0.0 24.6 36.8#

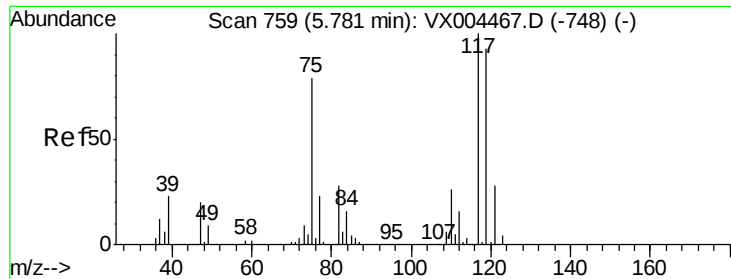


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.251 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBL02

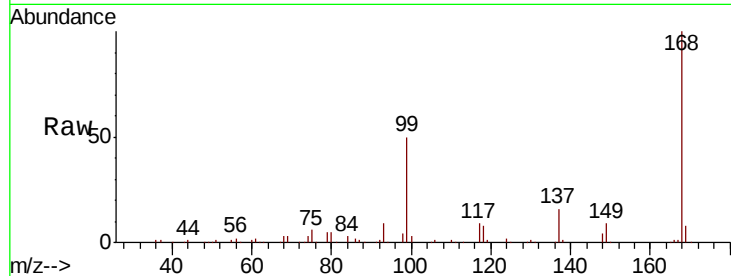
Tgt Ion:117 Resp: 20927

Ion Ratio Lower Upper

117 100

119 5.5 78.8 118.2#

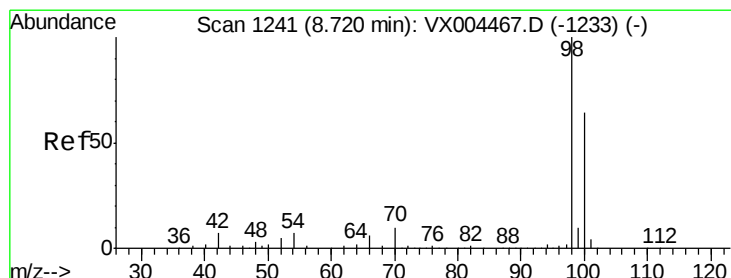
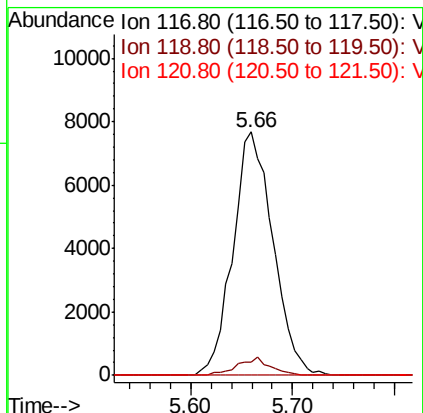
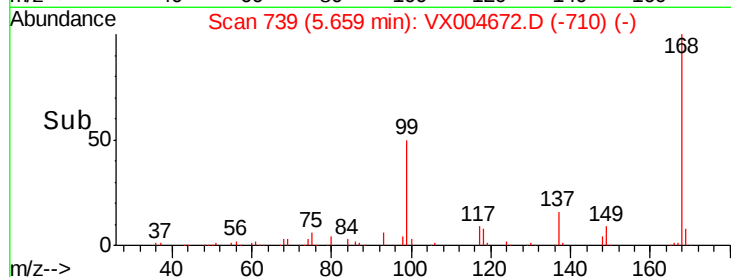
121 0.0 24.9 37.3#



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: 44.902 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004672.D

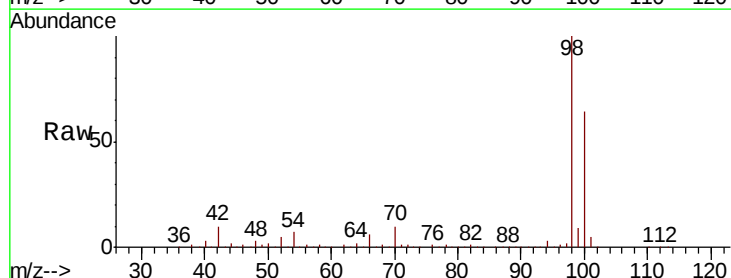
Acq: 18 Sep 2018 22:30

Tgt Ion: 98 Resp: 463109

Ion Ratio Lower Upper

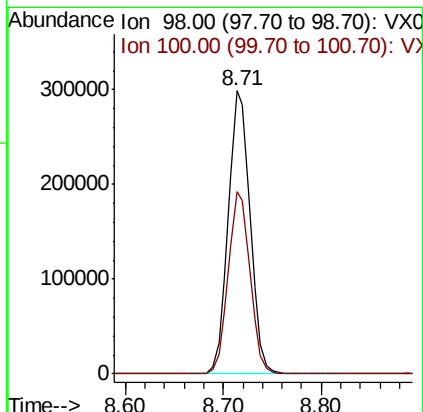
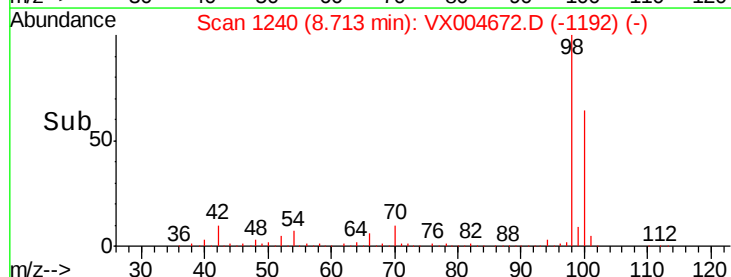
98 100

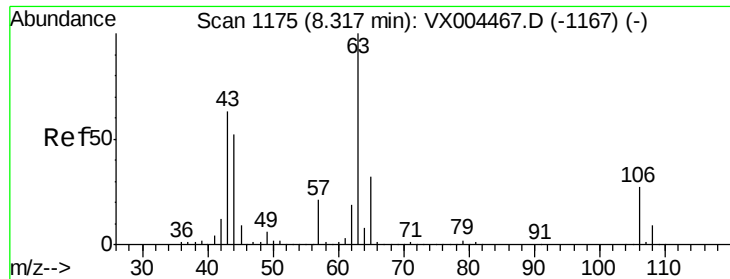
100 64.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#58

2-Chloroethyl Vinyl ether

Concen: 7.280 ug/l

RT: 8.32 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

Instrument :

MSVOA_X

ClientSampleId :

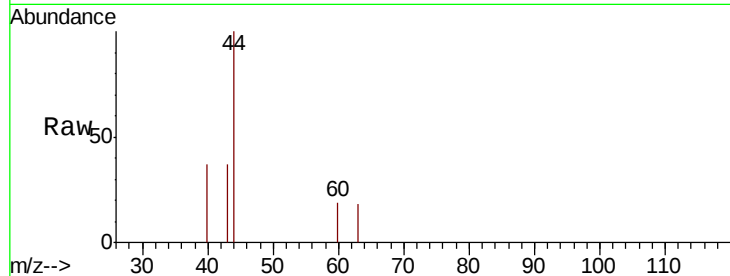
VX0918WBL02

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

60

50

40

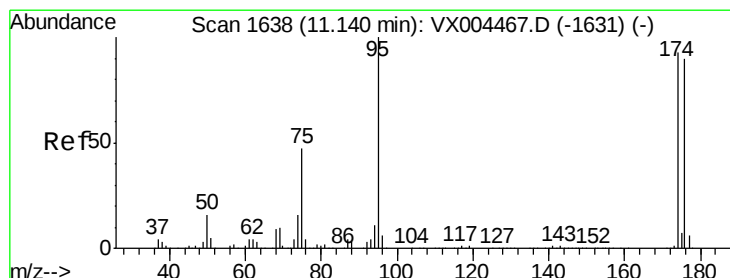
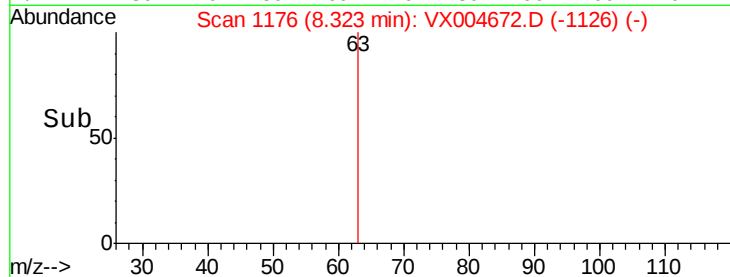
30

20

10

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.889 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

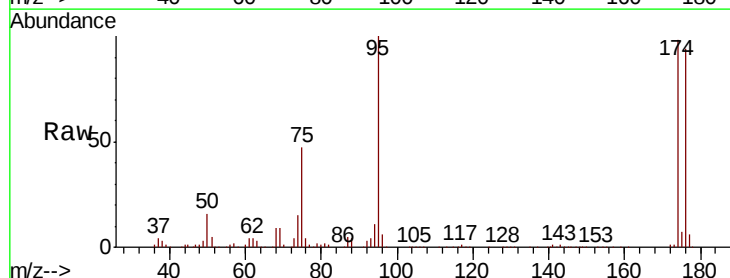
Tgt Ion: 95 Resp: 161579

Ion Ratio Lower Upper

95 100

174 95.0 0.0 185.2

176 90.7 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

11.14

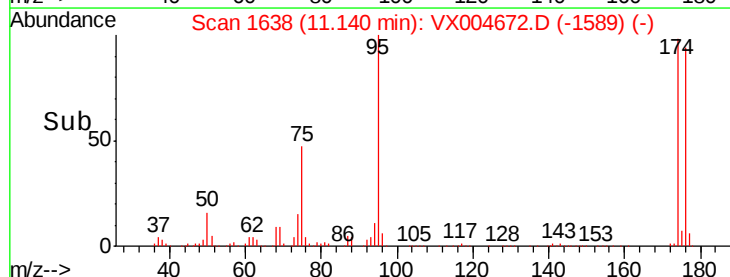
150000

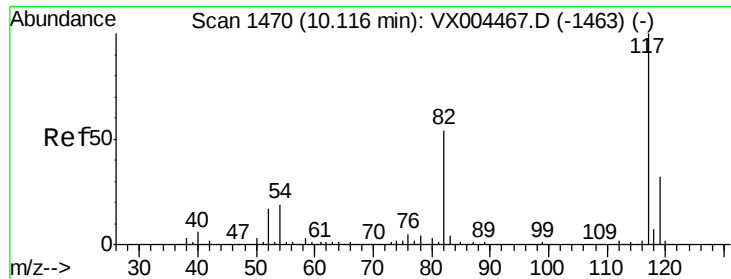
100000

50000

0

Time-->

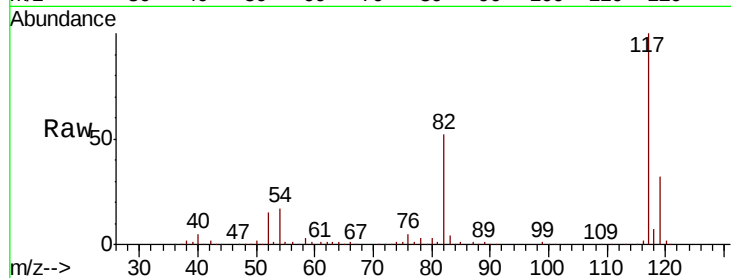




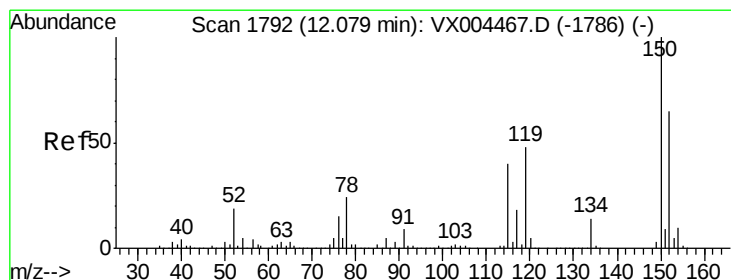
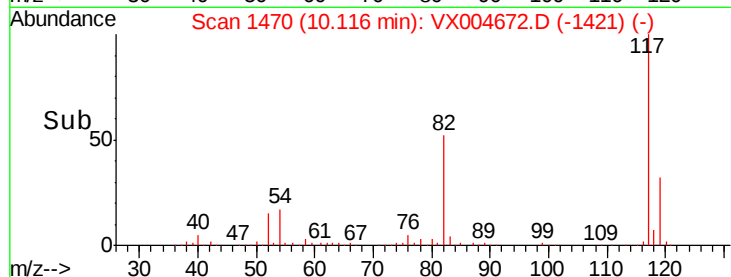
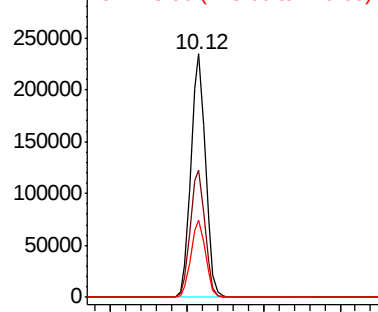
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004672.D
Acq: 18 Sep 2018 22:30

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL02

Tgt Ion:117 Resp: 310468
Ion Ratio Lower Upper
117 100
82 52.0 47.8 71.6
119 31.9 29.3 43.9

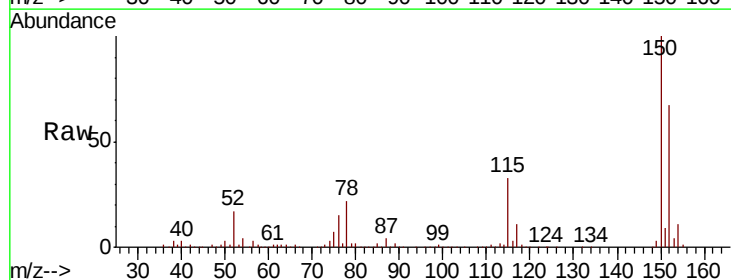


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

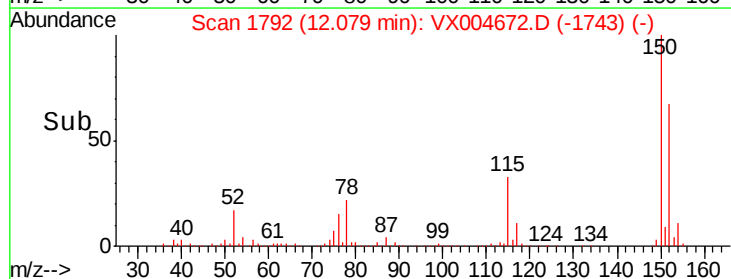
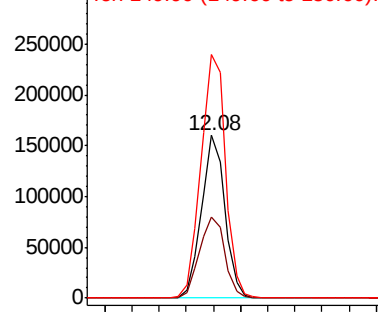


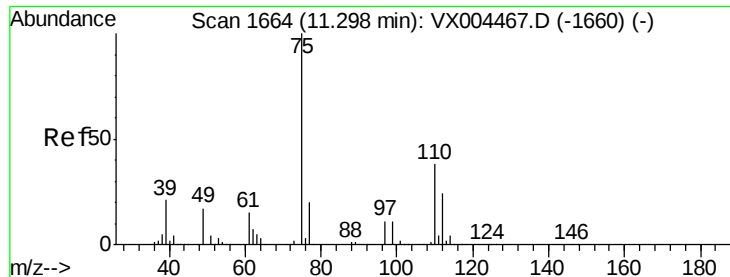
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004672.D
Acq: 18 Sep 2018 22:30

Tgt Ion:152 Resp: 191519
Ion Ratio Lower Upper
152 100
115 53.6 39.0 117.0
150 157.2 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: 19.441 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

Instrument :

MSVOA_X

ClientSampleId :

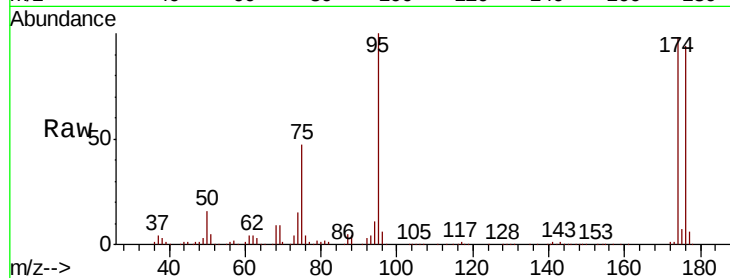
VX0918WBL02

Tgt Ion: 75 Resp: 74911

Ion Ratio Lower Upper

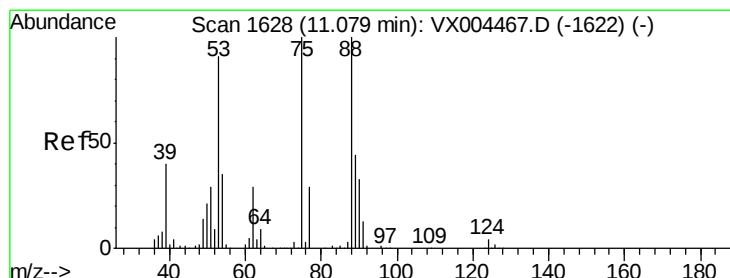
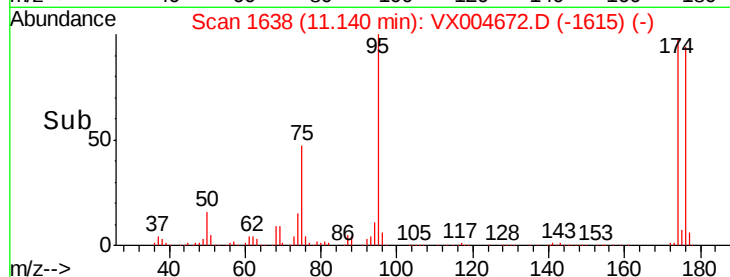
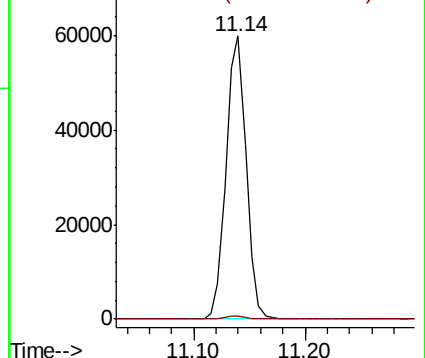
75 100

77 1.3 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: 61.969 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004672.D

Acq: 18 Sep 2018 22:30

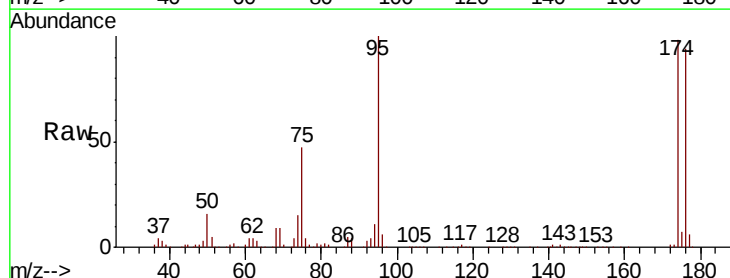
Tgt Ion: 75 Resp: 74911

Ion Ratio Lower Upper

75 100

53 0.1 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

