

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004622.D
 Acq On : 17 Sep 2018 16:41
 Operator : JC/MD
 Sample : VX0917WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 00:53:35 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	228955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167797	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	152776	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	5.50	113	133195	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
50) Toluene-d8	8.71	98	448379	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	
62) 4-Bromofluorobenzene	11.14	95	156584	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	

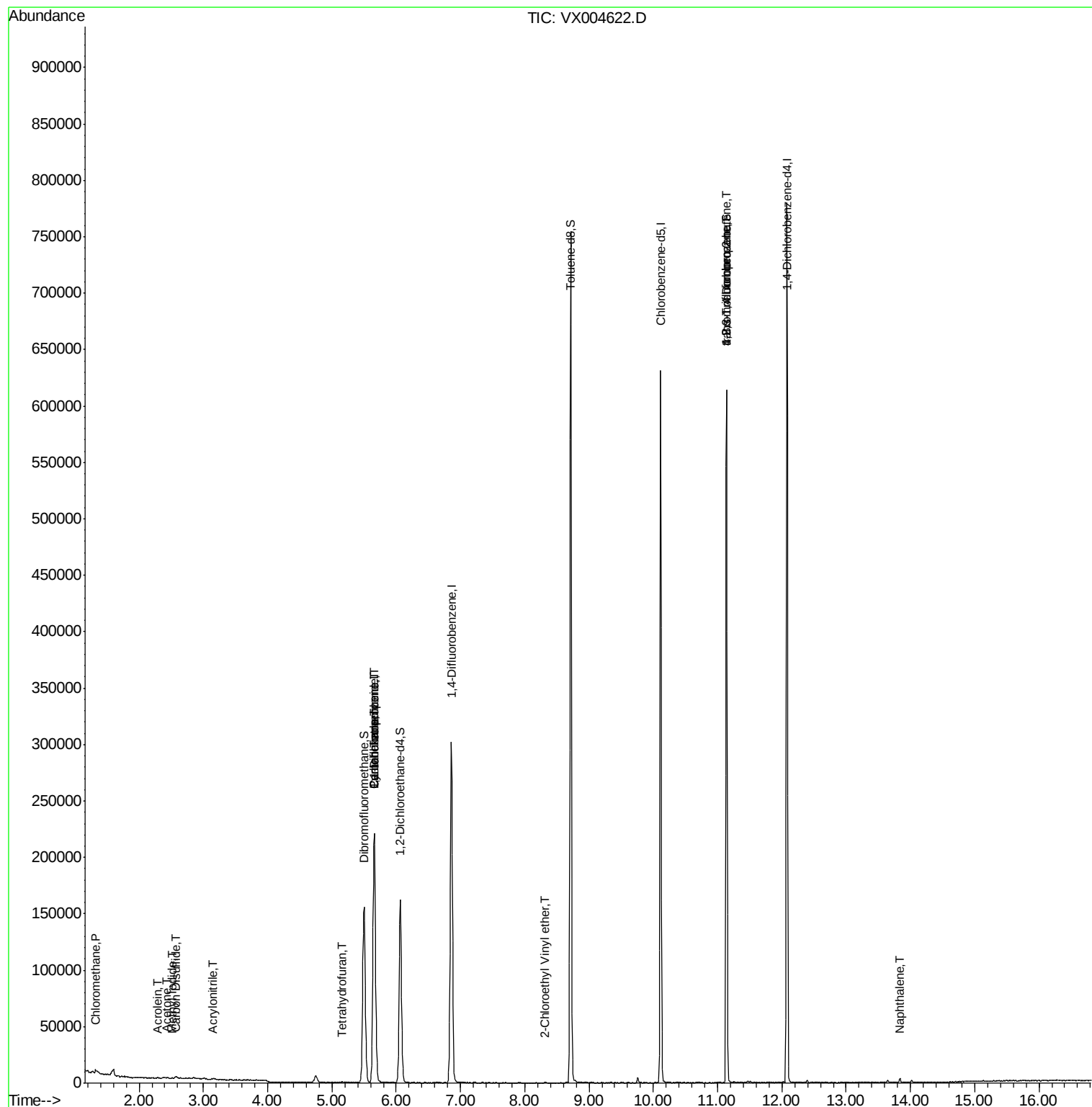
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	668	0.23	ug/l	92
5) Bromomethane	1.65	94	930	Below Cal		86
10) Methyl Iodide	2.51	142	558	4.42	ug/l #	83
13) Acrolein	2.29	56	406	1.46	ug/l #	62
15) Acrylonitrile	3.15	53	629	0.37	ug/l #	81
16) Acetone	2.43	43	771	0.54	ug/l	97
17) Carbon Disulfide	2.57	76	1737	0.25	ug/l	98
29) Tetrahydrofuran	5.17	42	685	0.50	ug/l #	63
31) Cyclohexane	5.65	56	3704	0.87	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14658	3.78	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19412	5.12	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.32	63	43	7.29	ug/l #	45
76) 1,2,3-Trichloropropane	11.14	75	72984	21.62	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	72984	68.91	ug/l #	10
95) Naphthalene	13.83	128	2675	0.23	ug/l	98

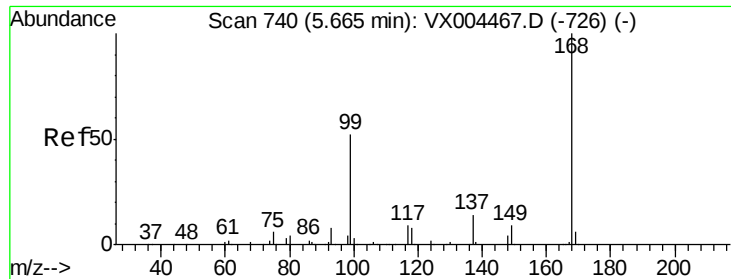
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 740

Delta R.T. 0.00 min

Lab File: VX004622.D

Acq: 17 Sep 2018 16:41

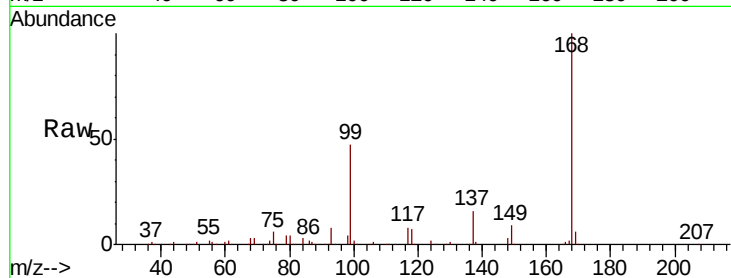
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 228955

Ion Ratio Lower Upper

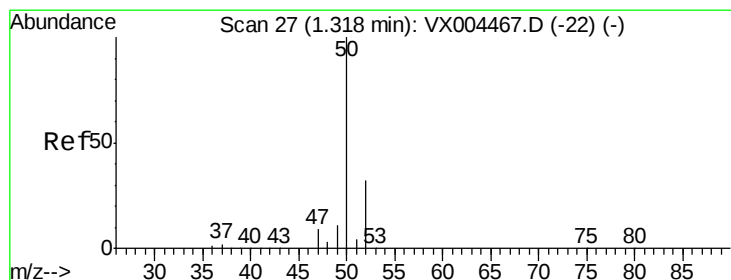
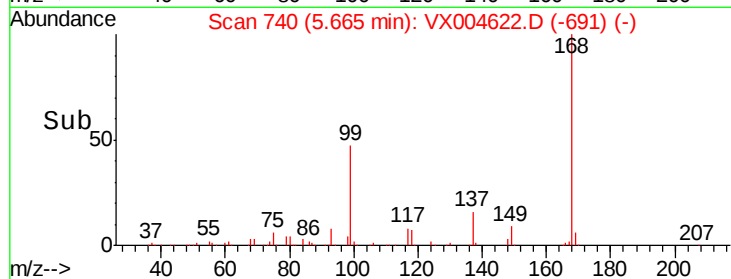
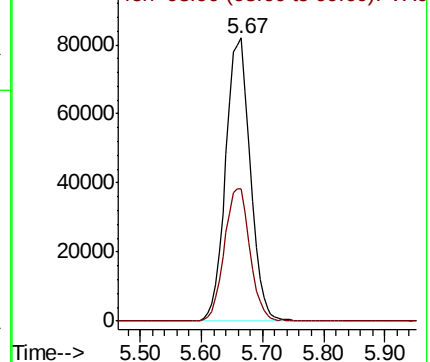
168 100

99 46.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004622.D

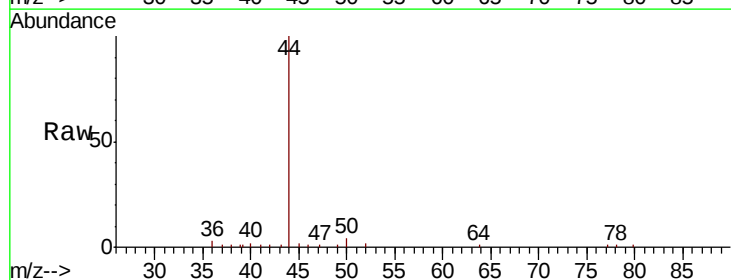
Acq: 17 Sep 2018 16:41

Tgt Ion: 50 Resp: 668

Ion Ratio Lower Upper

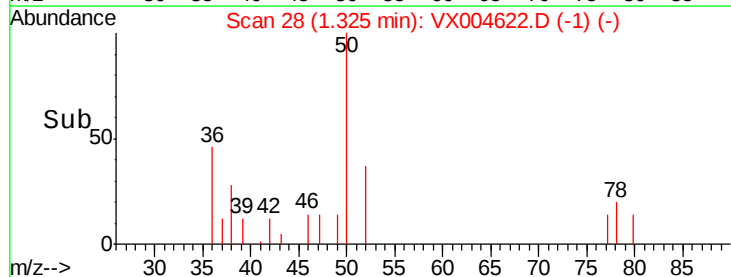
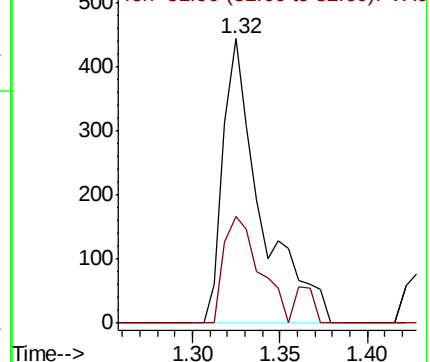
50 100

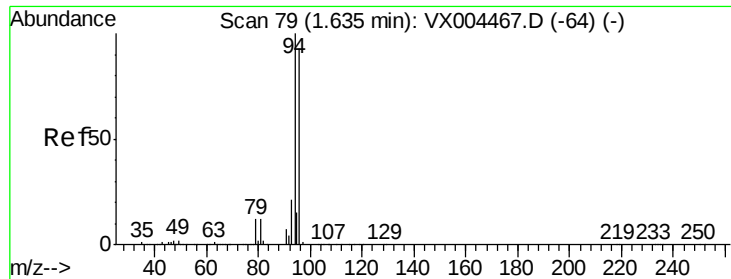
52 37.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004622.D

Acq: 17 Sep 2018 16:41

Instrument :

MSVOA_X

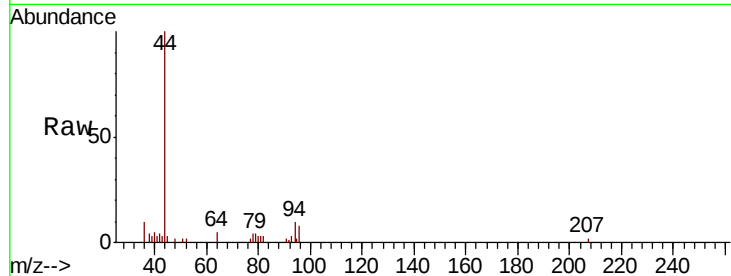
ClientSampleId :

Tot Ion: 94 Resp: 930

Ion Ratio Lower Upper

94 100

96 79.2 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

300

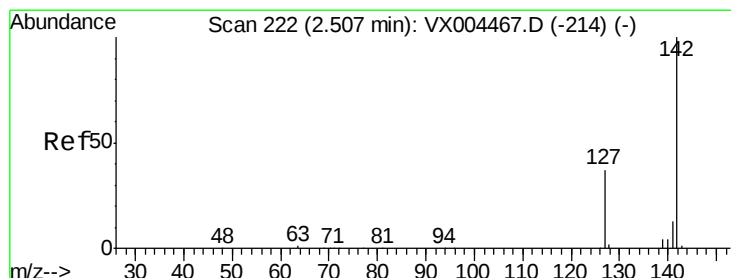
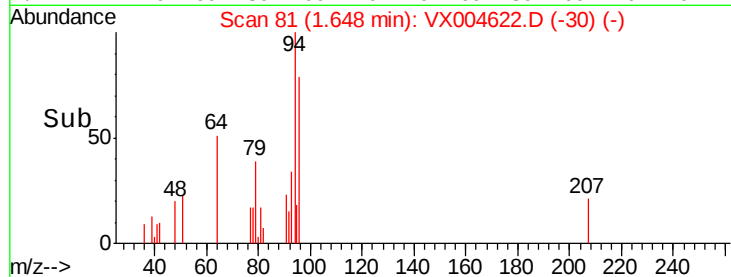
200

100

0

1.60 1.65 1.70 1.75

Time-->



#10

Methyl Iodide

Concen: 4.42 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004622.D

Acq: 17 Sep 2018 16:41

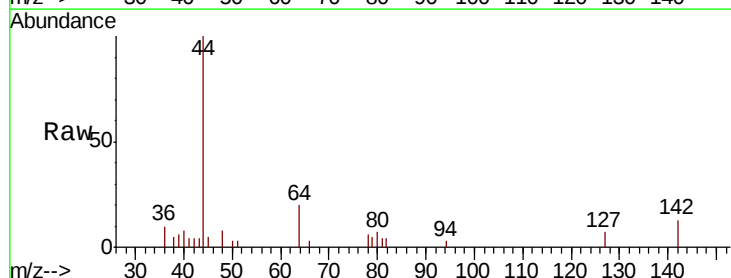
Tgt Ion: 142 Resp: 558

Ion Ratio Lower Upper

142 100

127 35.1 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

2.51

300

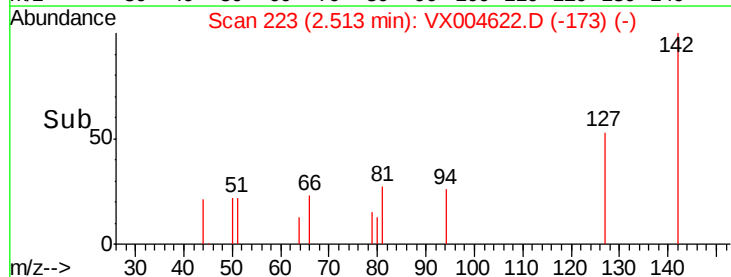
200

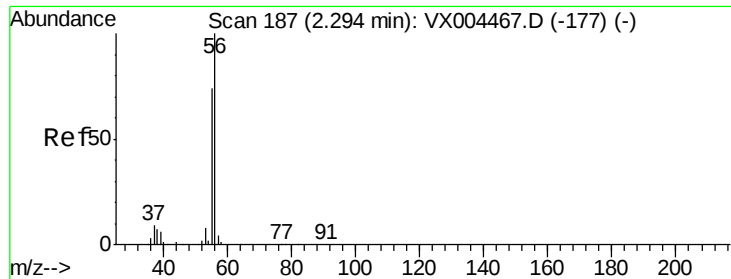
100

0

2.50 2.55

Time-->

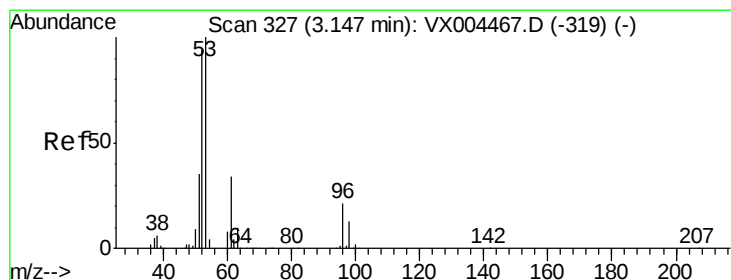
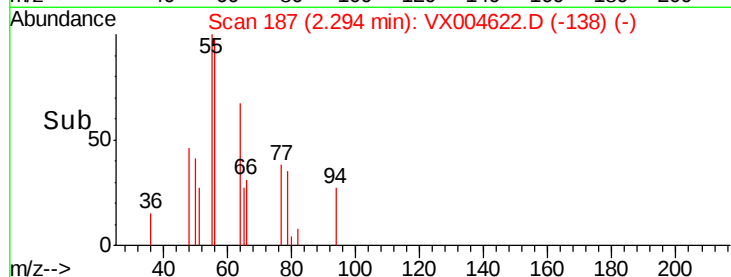
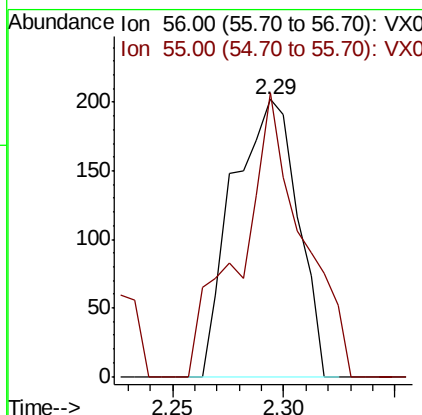
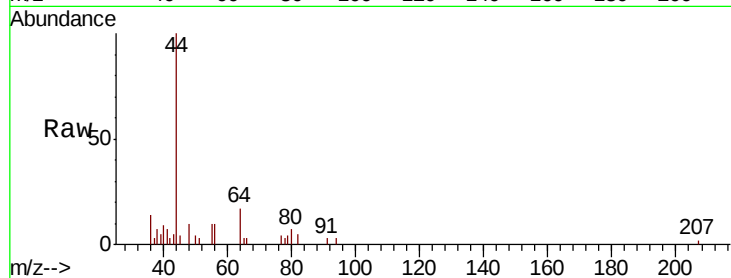




#13
Acrolein
Concen: 1.46 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004622.D
Acq: 17 Sep 2018 16:41

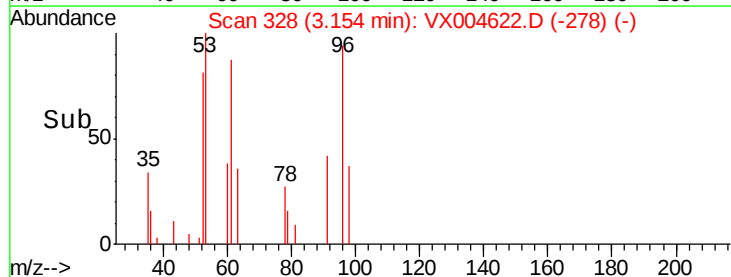
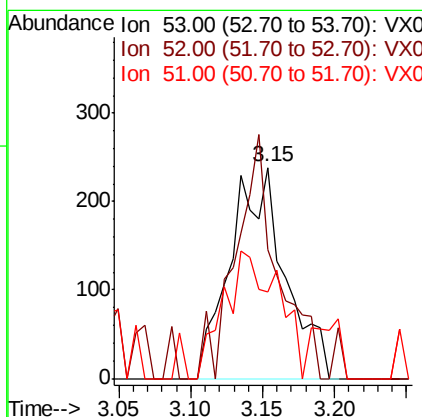
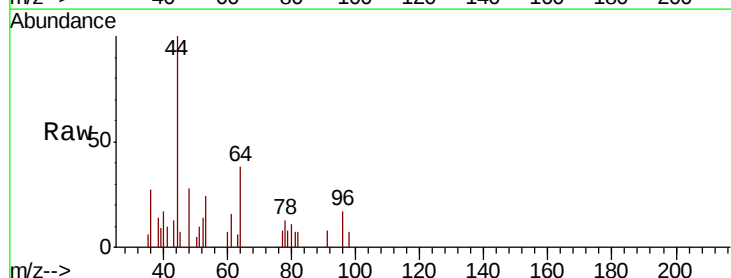
Instrument :
MSVOA_X
ClientSampled :

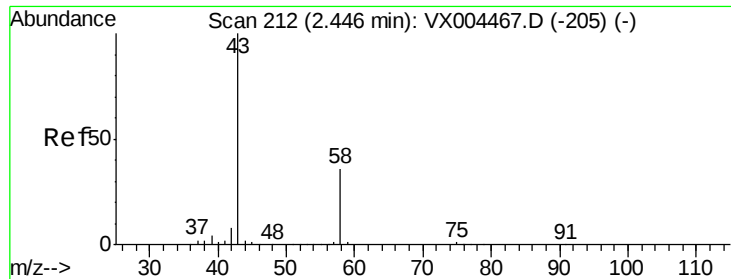
Tot Ion: 56 Resp: 406
Ion Ratio Lower Upper
56 100
55 99.0 54.7 82.1#



#15
Acrylonitrile
Concen: 0.37 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX004622.D
Acq: 17 Sep 2018 16:41

Tgt Ion: 53 Resp: 629
Ion Ratio Lower Upper
53 100
52 89.3 65.2 97.8
51 59.9 28.2 42.2#

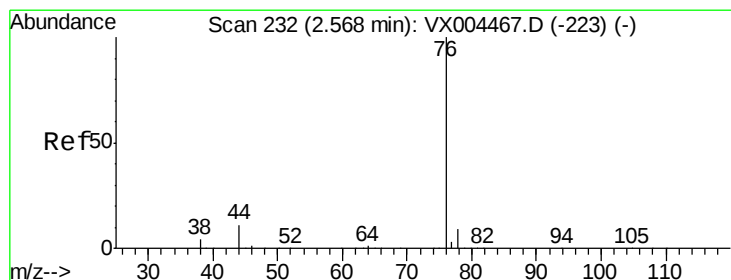
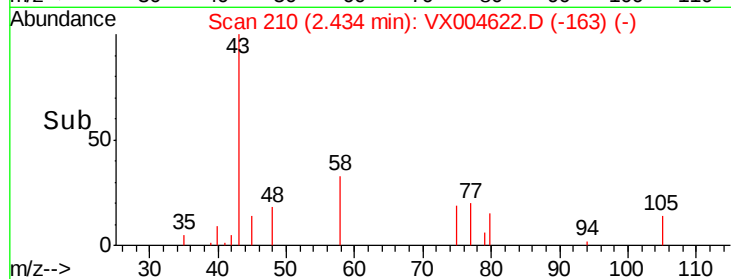
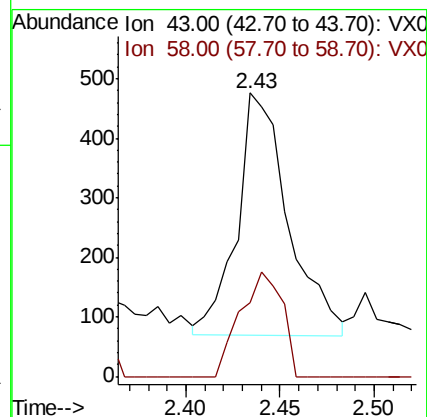
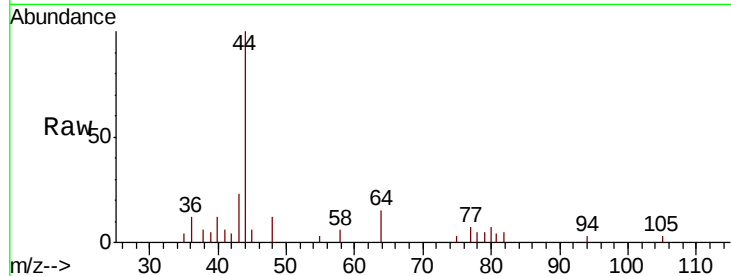




#16
Acetone
Concen: 0.54 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.01 min
Lab File: VX004622.D
Acq: 17 Sep 2018 16:41

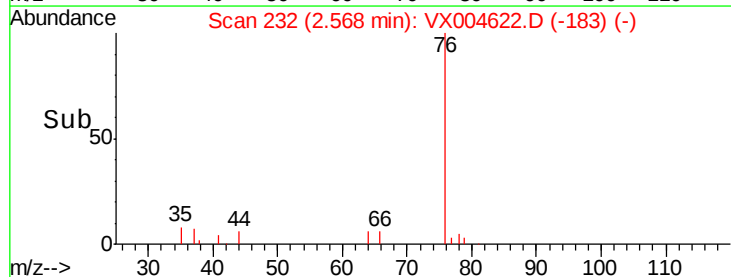
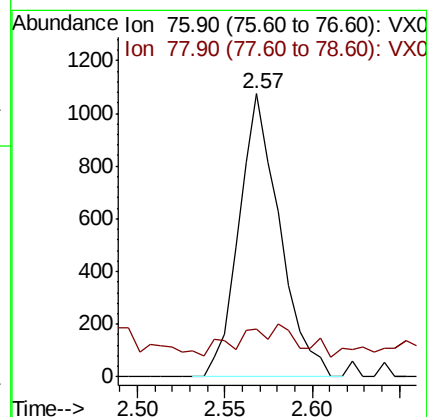
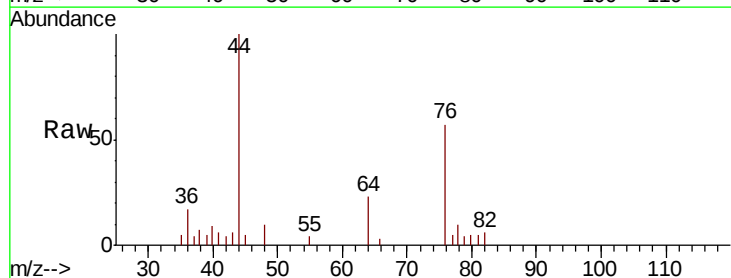
Instrument :
MSVOA_X
ClientSampled :

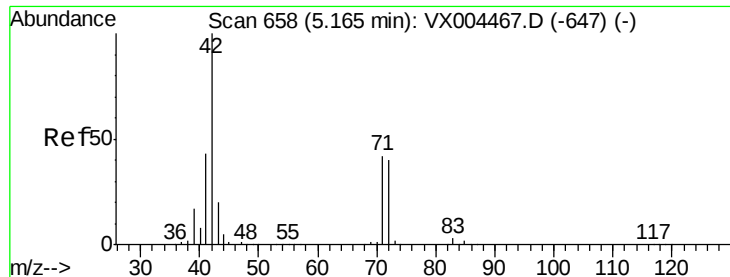
Tot Ion: 43 Resp: 771
Ion Ratio Lower Upper
43 100
58 31.4 26.2 39.4



#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004622.D
Acq: 17 Sep 2018 16:41

Tgt Ion: 76 Resp: 1737
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6





#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004622.D

Acq: 17 Sep 2018 16:41

Instrument :

MSVOA_X

ClientSampled :

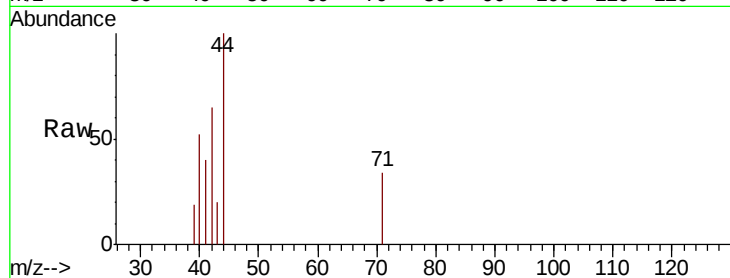
Tot Ion: 42 Resp: 685

Ion Ratio Lower Upper

42 100

72 12.1 37.4 56.0#

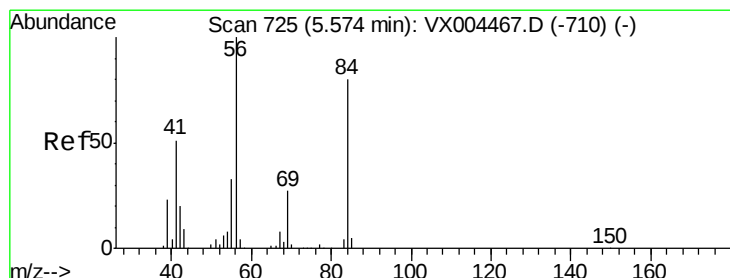
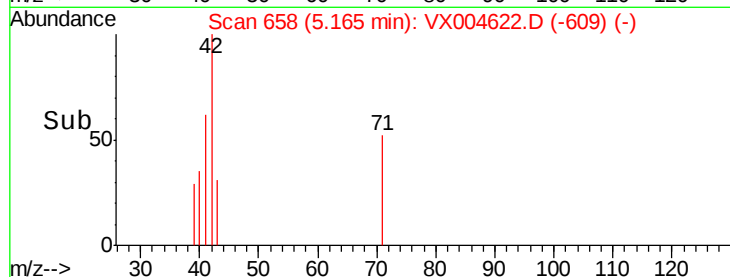
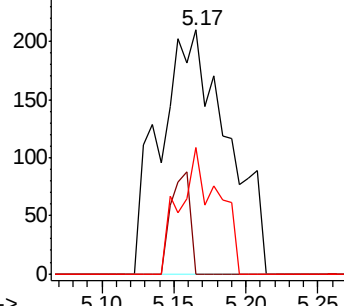
71 29.5 34.5 51.7#



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: 0.87 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX004622.D

Acq: 17 Sep 2018 16:41

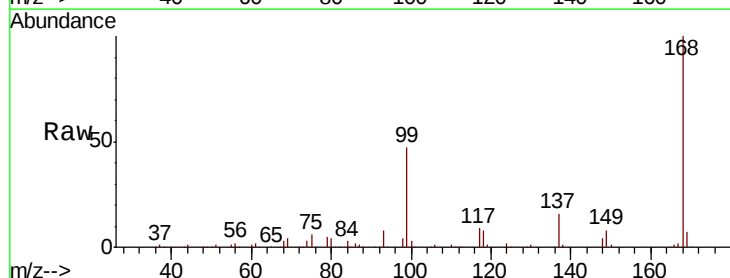
Tgt Ion: 56 Resp: 3704

Ion Ratio Lower Upper

56 100

69 208.2 25.4 38.2#

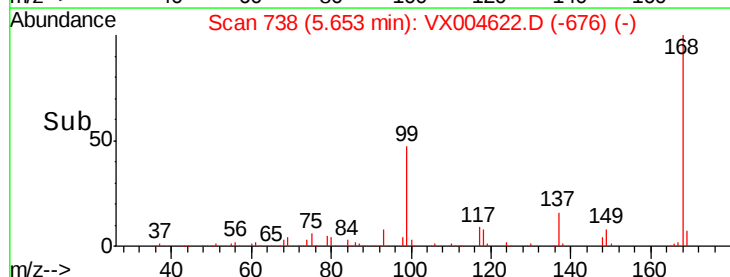
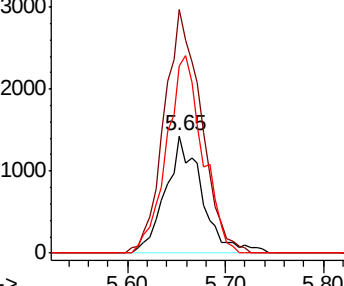
84 160.7 71.4 107.2#

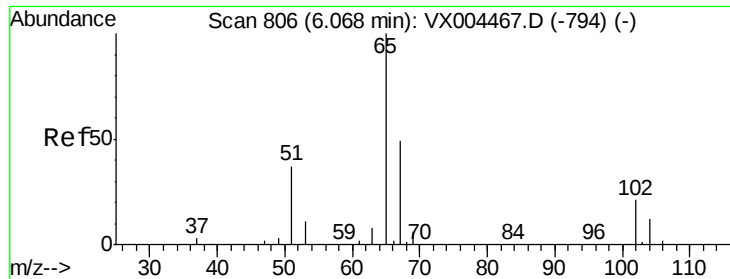


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.75 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004622.D

Acq: 17 Sep 2018 16:41

Instrument :

MSVOA_X

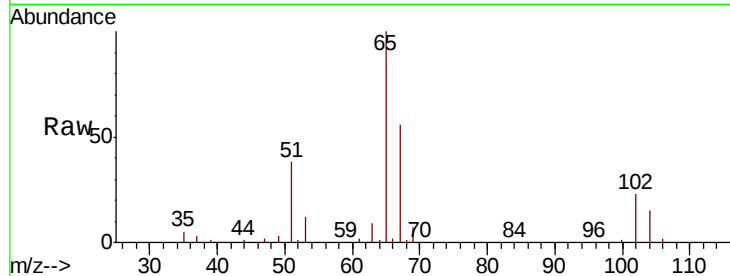
ClientSampleId :

Tot Ion: 65 Resp: 152776

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

30000

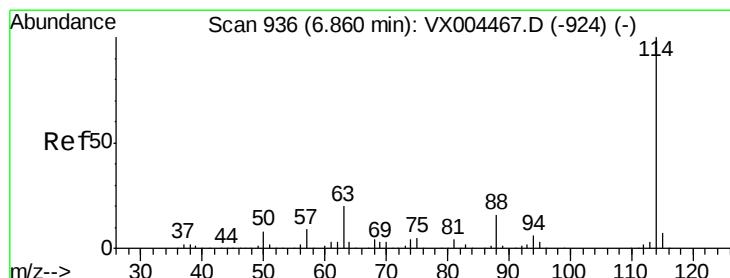
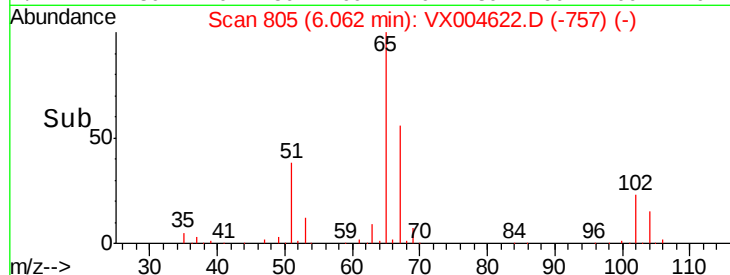
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004622.D

Acq: 17 Sep 2018 16:41

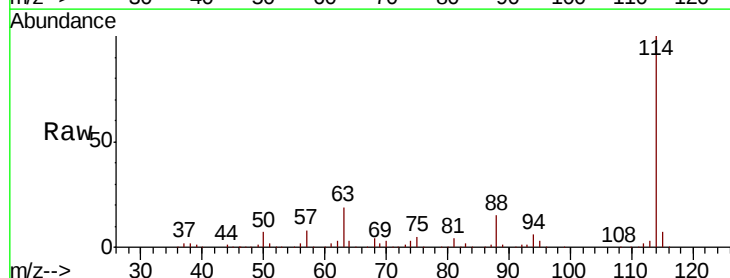
Tgt Ion: 114 Resp: 319632

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.0

88 15.4 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

6.86

150000

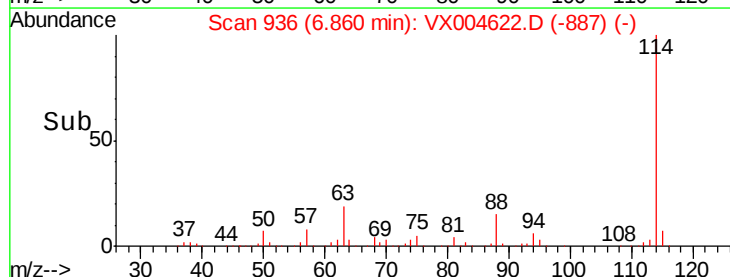
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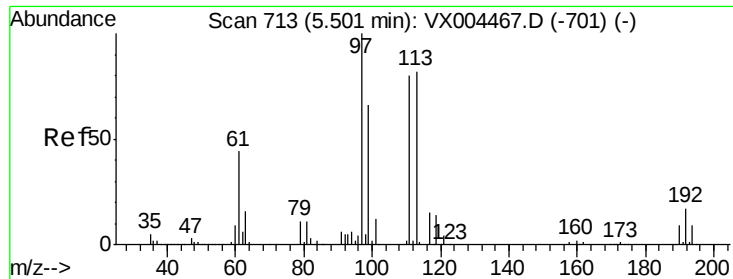
50000

0

Time-->

6.80 6.90 7.00

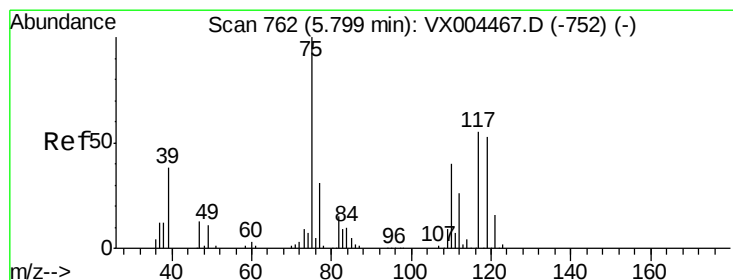
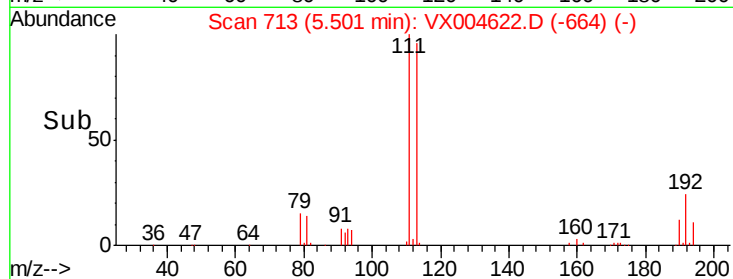
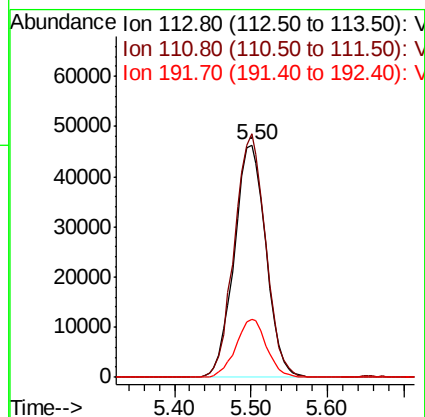
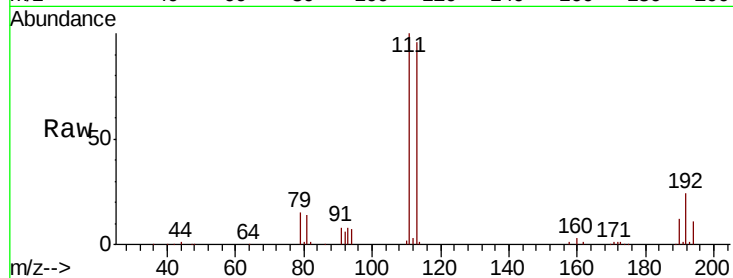




#35
 Dibromofluoromethane
 Concen: 45.54 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004622.D
 Acq: 17 Sep 2018 16:41

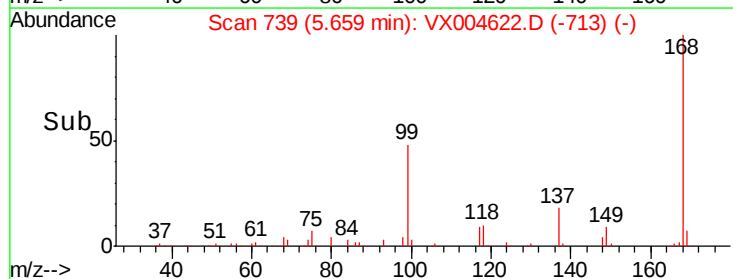
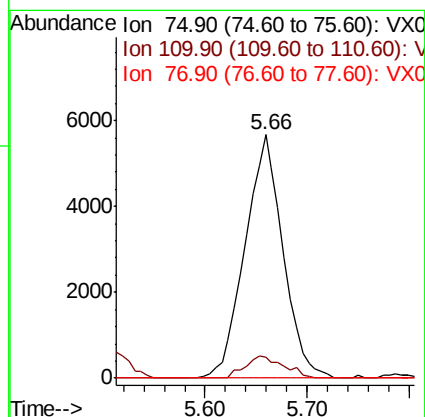
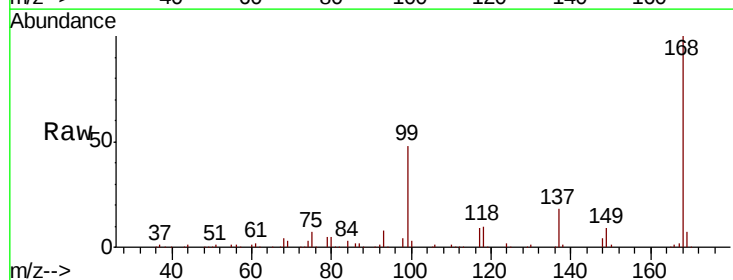
Instrument :
 MSVOA_X
 ClientSampleId :

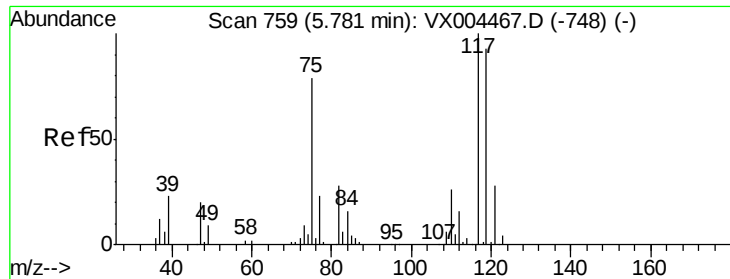
Tot Ion:113 Resp: 133195
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 24.1 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004622.D
 Acq: 17 Sep 2018 16:41

Tgt Ion: 75 Resp: 14658
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.0 54.0#
 77 0.0 24.6 36.8#

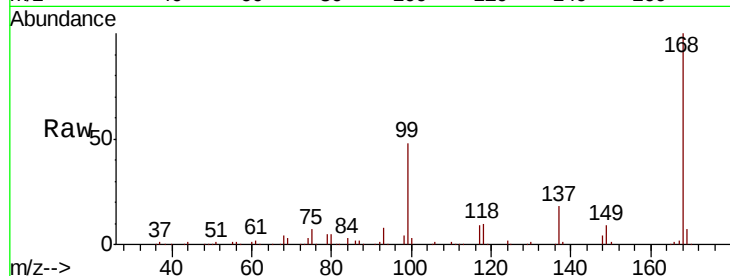




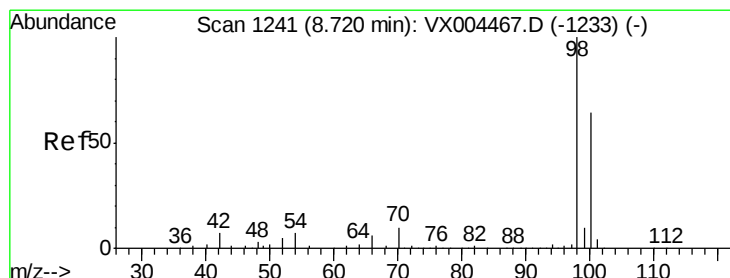
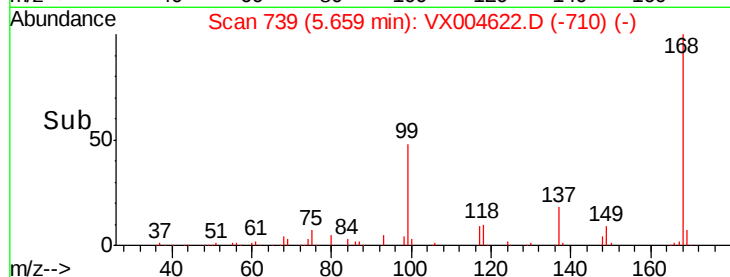
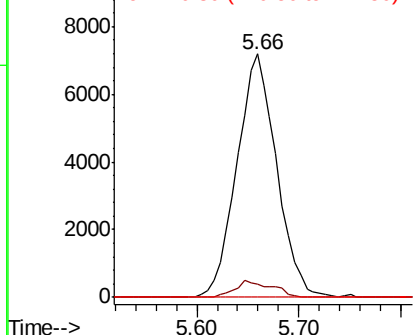
#38
Carbon Tetrachloride
Concen: 5.12 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX004622.D
Acq: 17 Sep 2018 16:41

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 19412
Ion Ratio Lower Upper
117 100
119 5.5 78.8 118.2#
121 0.0 24.9 37.3#

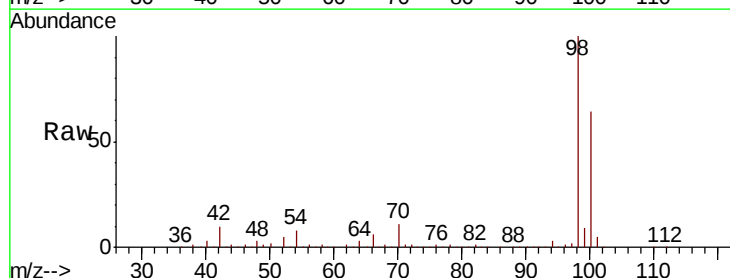


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

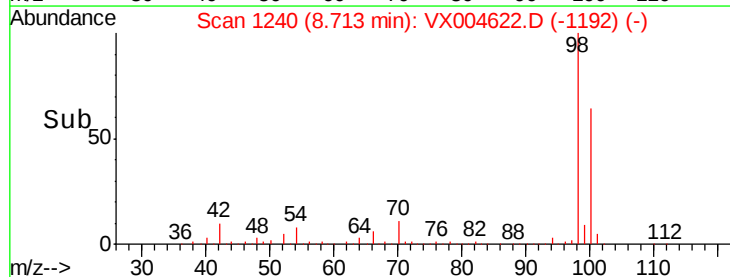
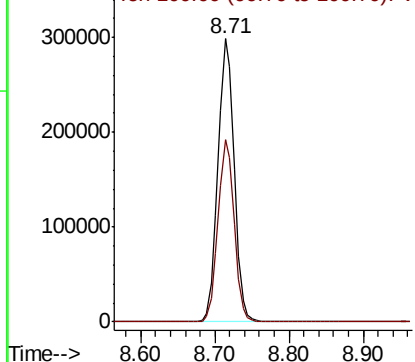


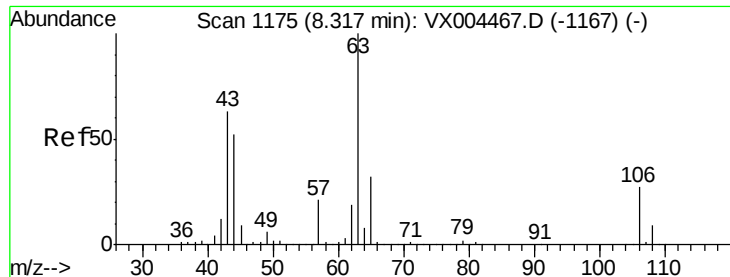
#50
Toluene-d8
Concen: 45.71 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004622.D
Acq: 17 Sep 2018 16:41

Tgt Ion: 98 Resp: 448379
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

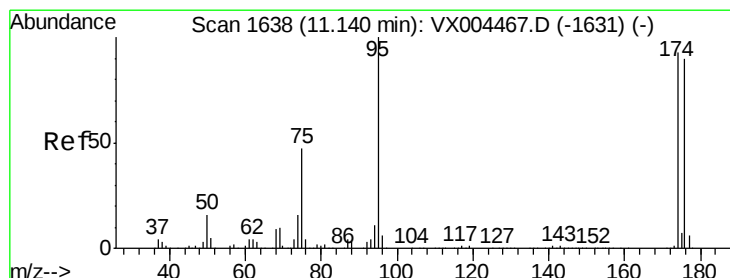
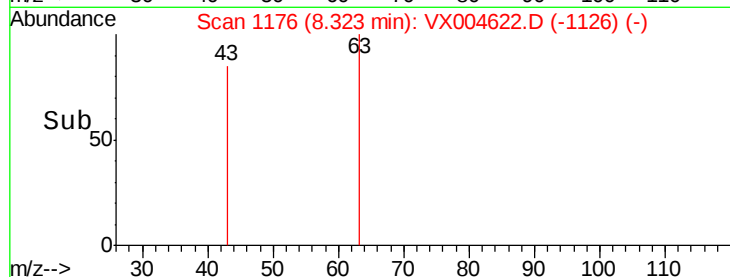
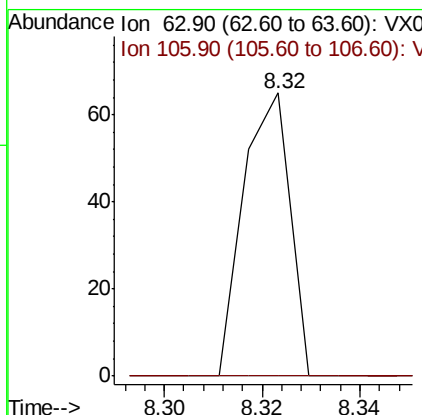
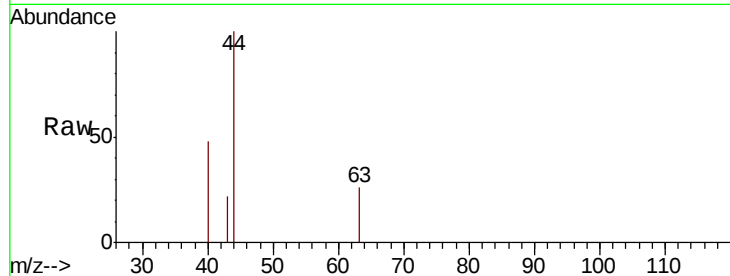




#58
2-Chloroethyl Vinyl ether
Concen: 7.29 ug/l
RT: 8.32 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VX004622.D
Acq: 17 Sep 2018 16:41

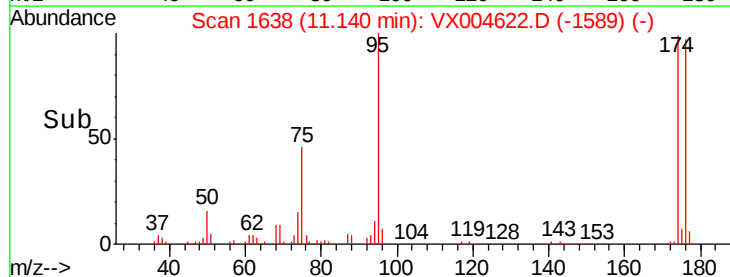
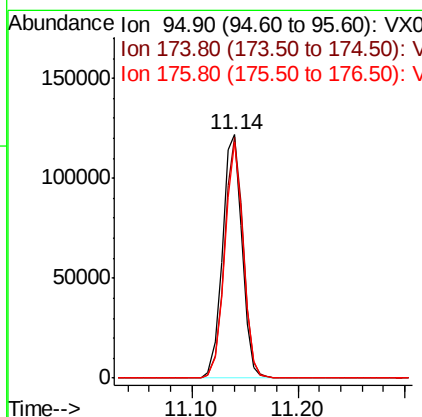
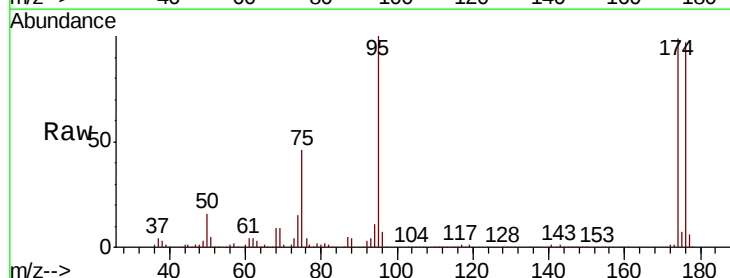
Instrument :
MSVOA_X
ClientSampleId :

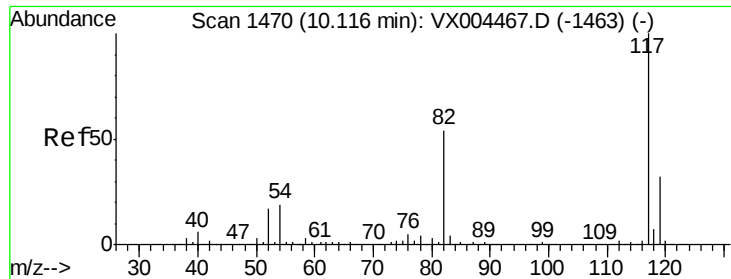
Tot Ion: 63 Resp: 43
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#62
4-Bromofluorobenzene
Concen: 44.72 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004622.D
Acq: 17 Sep 2018 16:41

Tgt Ion: 95 Resp: 156584
Ion Ratio Lower Upper
95 100
174 95.3 0.0 185.2
176 91.9 0.0 178.6

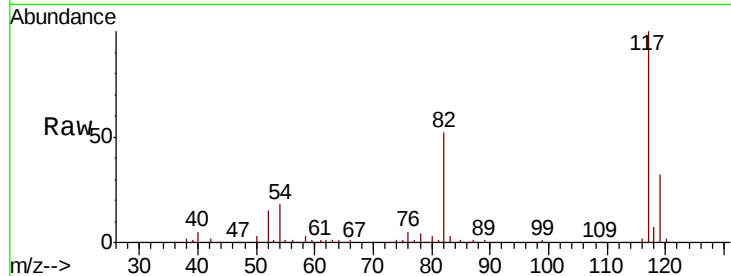




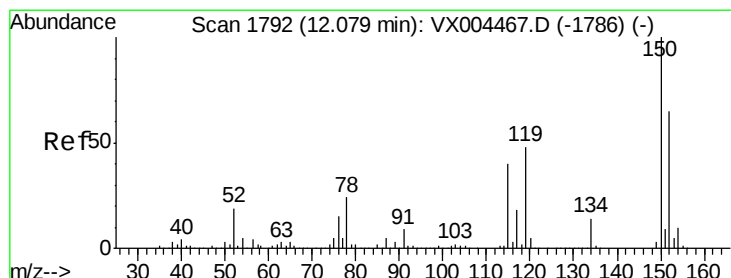
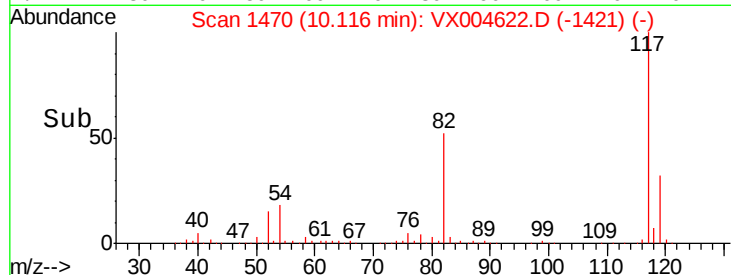
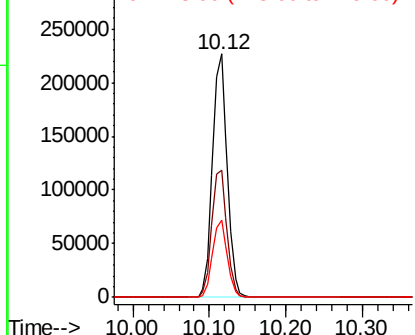
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004622.D
Acq: 17 Sep 2018 16:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 302423
Ion Ratio Lower Upper
117 100
82 52.5 47.8 71.6
119 31.9 29.3 43.9

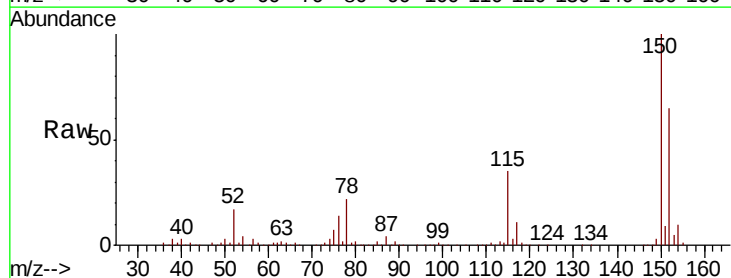


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

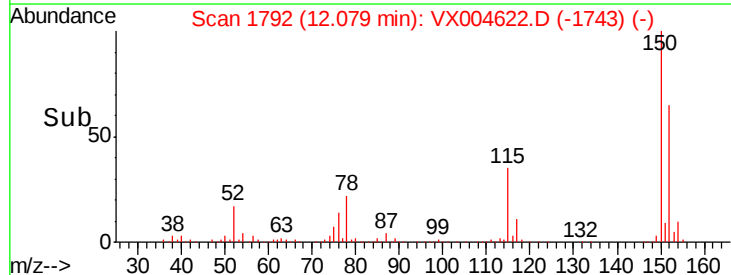
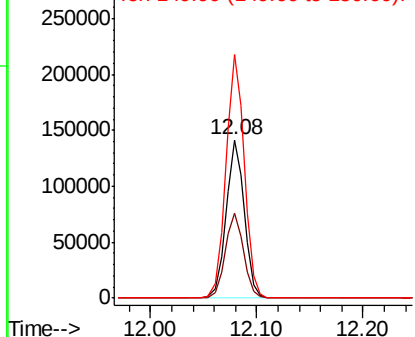


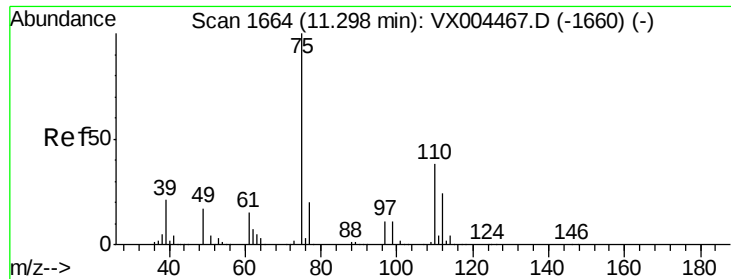
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004622.D
Acq: 17 Sep 2018 16:41

Tgt Ion:152 Resp: 167797
Ion Ratio Lower Upper
152 100
115 54.4 39.0 117.0
150 156.1 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: 21.62 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004622.D

Acq: 17 Sep 2018 16:41

Instrument :

MSVOA_X

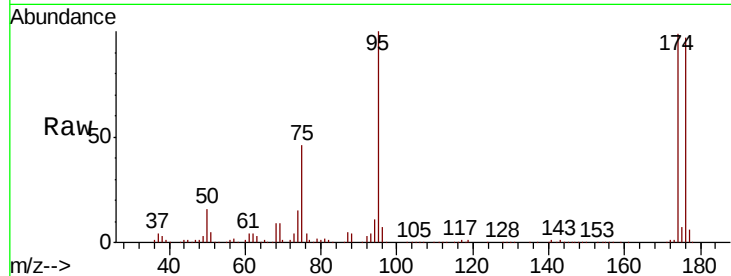
ClientSampleId :

Tot Ion: 75 Resp: 72984

Ion Ratio Lower Upper

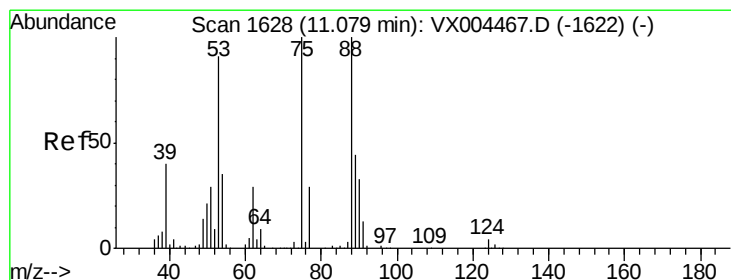
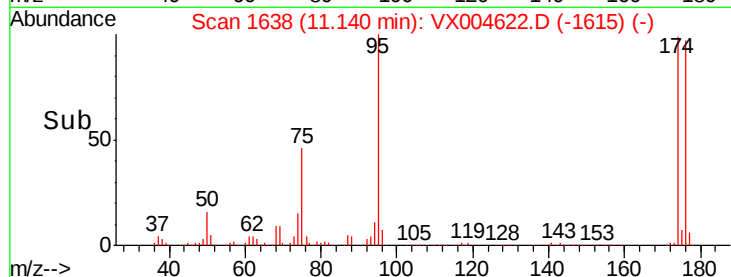
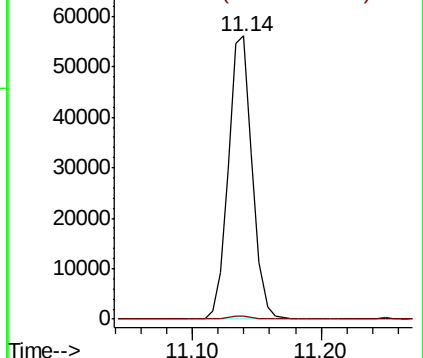
75 100

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: 68.91 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004622.D

Acq: 17 Sep 2018 16:41

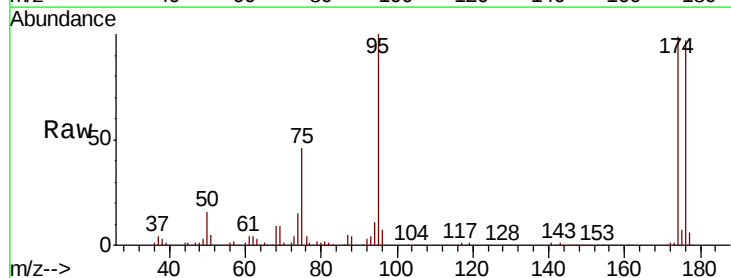
Tgt Ion: 75 Resp: 72984

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

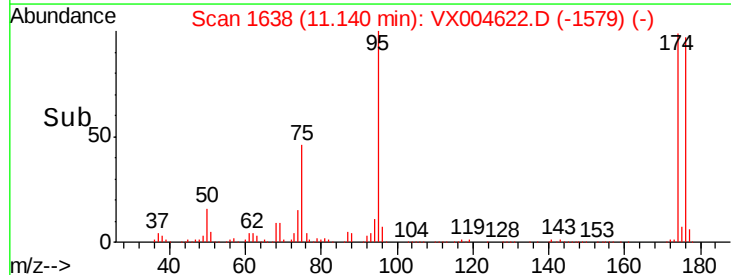
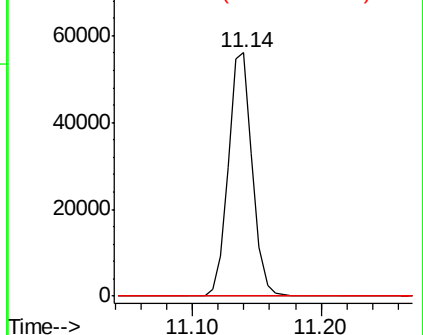
89 0.0 37.2 55.8#

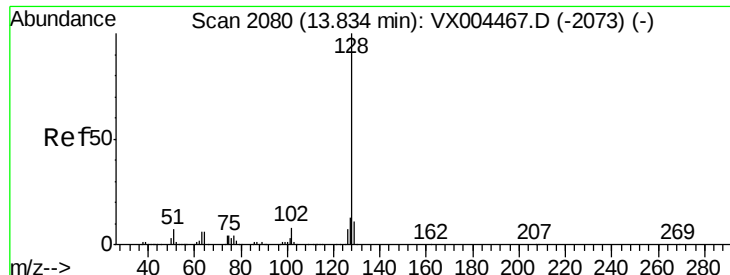


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.23 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004622.D

Acq: 17 Sep 2018 16:41

Instrument :

MSVOA_X

ClientSampleId :

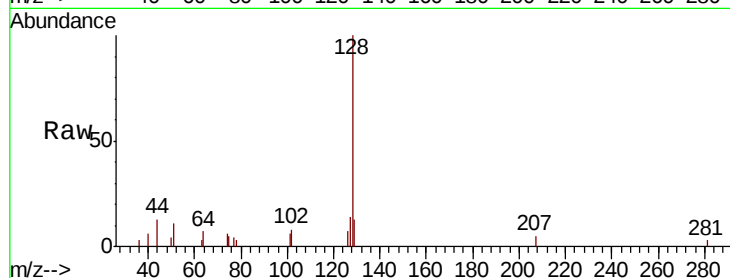
Tot Ion:128 Resp: 2675

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.2

129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

