

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001908.D
 Acq On : 22 May 2018 21:52
 Operator : JC/MD
 Sample : PB109525ZHE#15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:24:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319996	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	271230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	133290	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	155109	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	5.51	113	128955	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	8.72	98	455420	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.14	95	132686	38.10	ug/l	0.00
Spiked Amount			Recovery	=	76.20%	

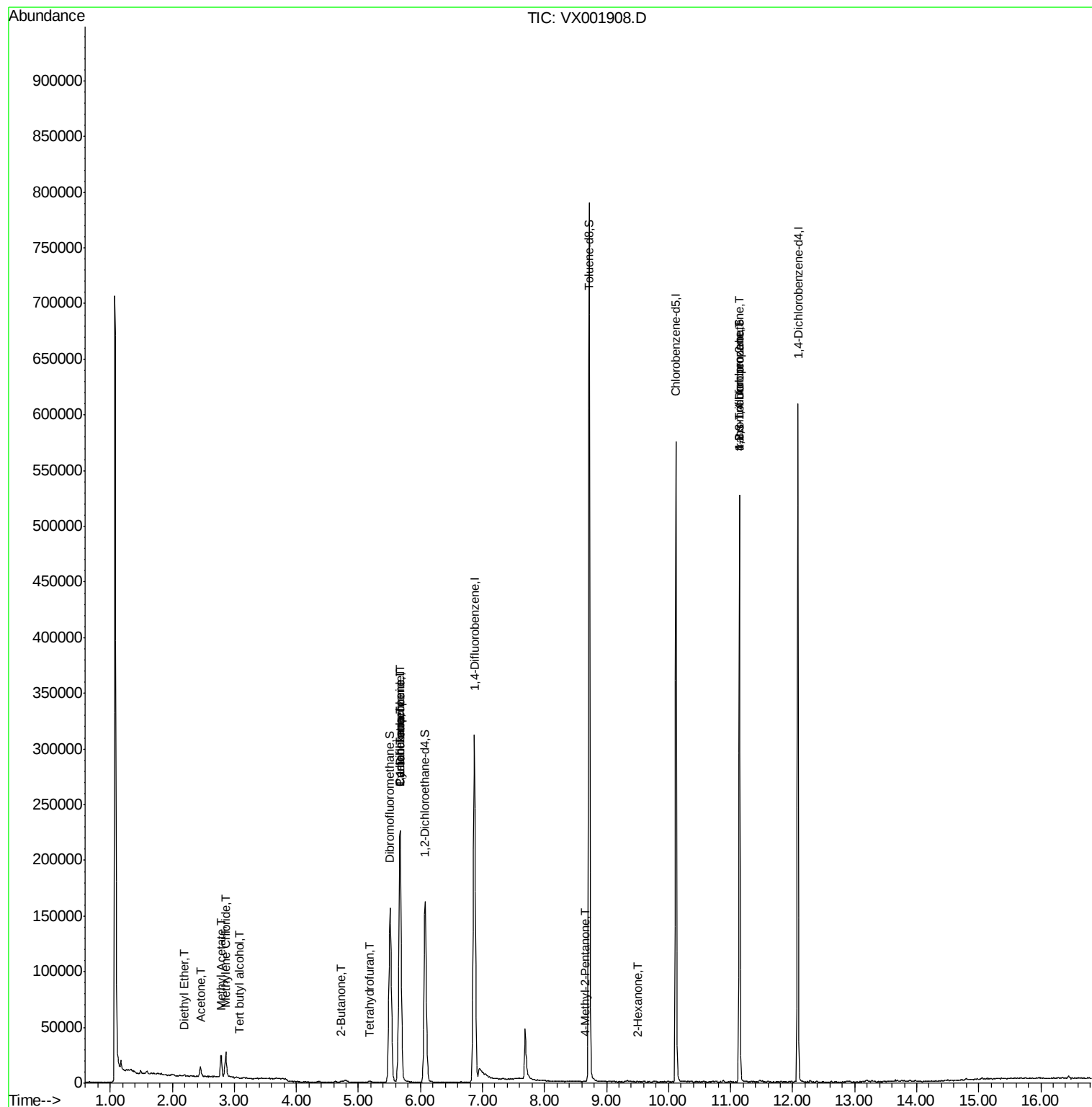
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	676	Below Cal	#	66
8) Diethyl Ether	2.19	74	443	0.27	ug/l	94
11) Tert butyl alcohol	3.08	59	218	0.38	ug/l	# 72
16) Acetone	2.45	43	9168	7.30	ug/l	90
18) Methyl Acetate	2.78	43	24457	6.66	ug/l	98
20) Methylene Chloride	2.86	84	10203	3.80	ug/l	96
25) 2-Butanone	4.72	43	2600	1.35	ug/l	97
29) Tetrahydrofuran	5.18	42	1038	0.83	ug/l	# 68
31) Cyclohexane	5.67	56	4033	1.00	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	14537	3.95	ug/l	# 48
38) Carbon Tetrachloride	5.67	117	19895	5.16	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.66	43	783	0.21	ug/l	# 74
59) 2-Hexanone	9.51	43	577	0.21	ug/l	# 38
76) 1,2,3-Trichloropropane	11.14	75	62675	24.73	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	62675	72.12	ug/l	# 10

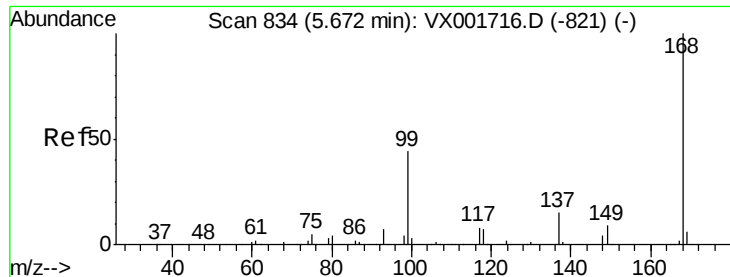
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

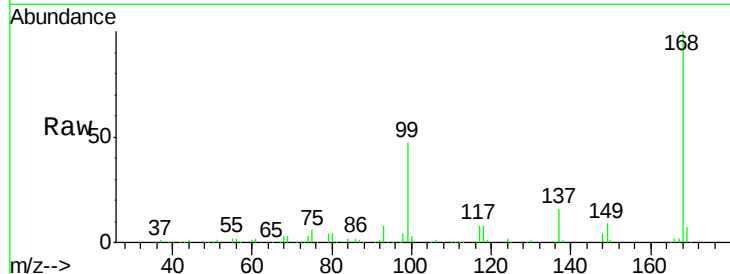
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 238456

Ion Ratio Lower Upper

168 100

99 47.1 35.0 52.4

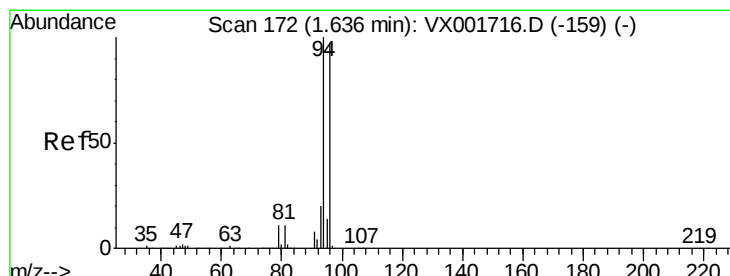
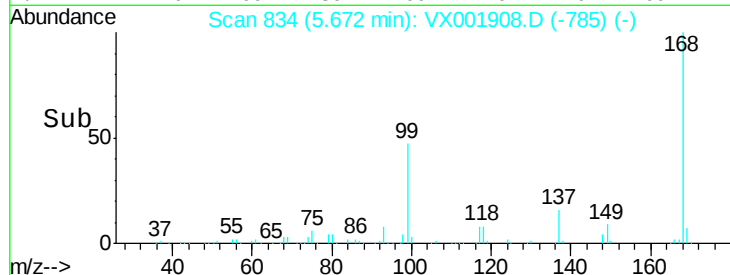


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001908.D

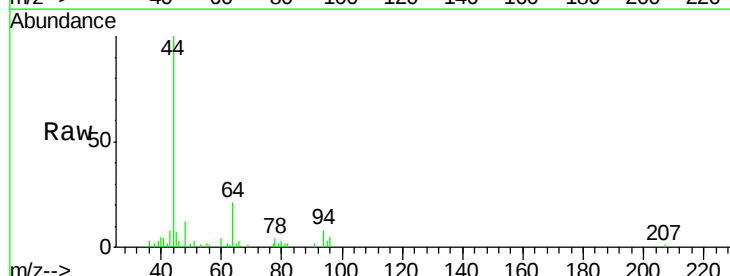
Acq: 22 May 2018 21:52

Tgt Ion: 94 Resp: 676

Ion Ratio Lower Upper

94 100

96 63.1 77.4 116.0#

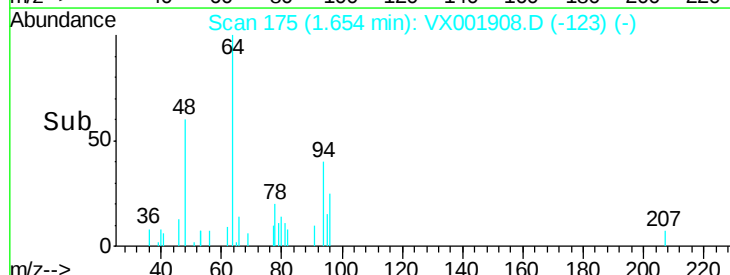


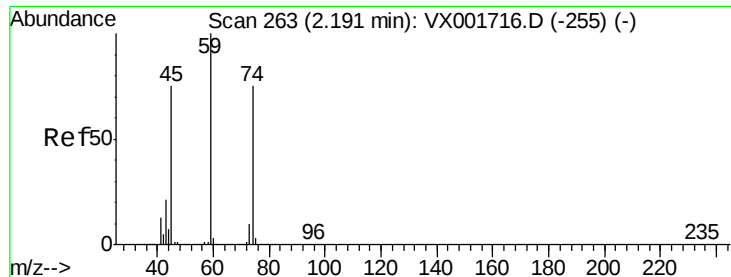
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

Time--> 1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.27 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

Instrument :

MSVOA_X

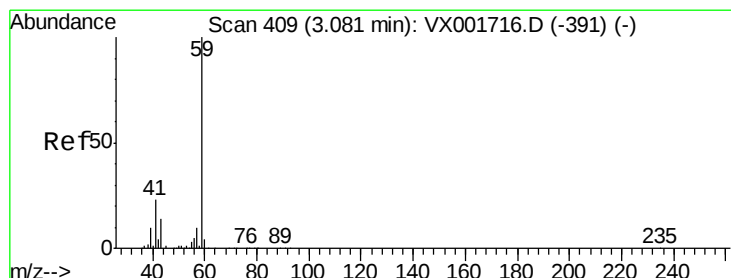
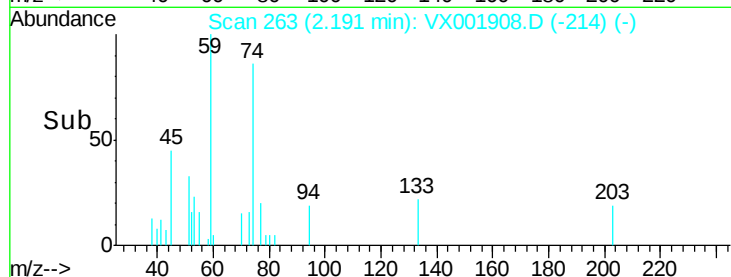
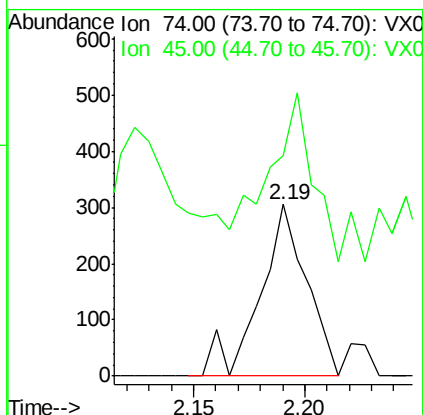
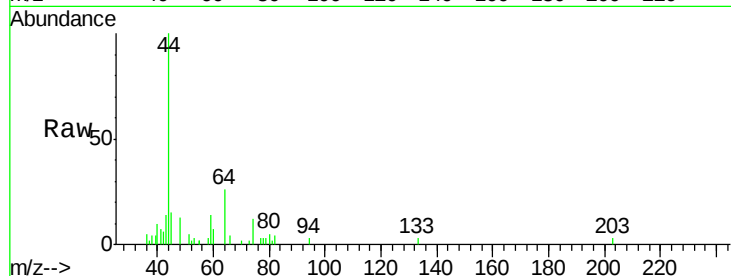
ClientSampled :

Tot Ion: 74 Resp: 443

Ion Ratio Lower Upper

74 100

45 93.9 50.0 149.8



#11

Tert butyl alcohol

Concen: 0.38 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.00 min

Lab File: VX001908.D

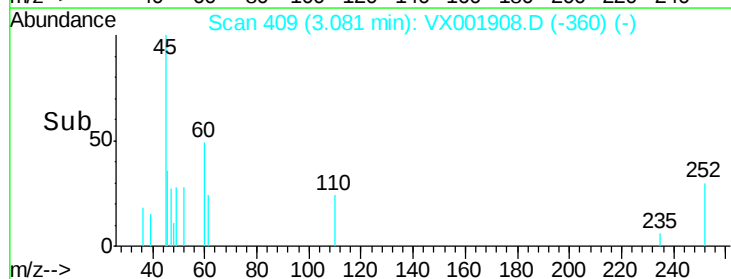
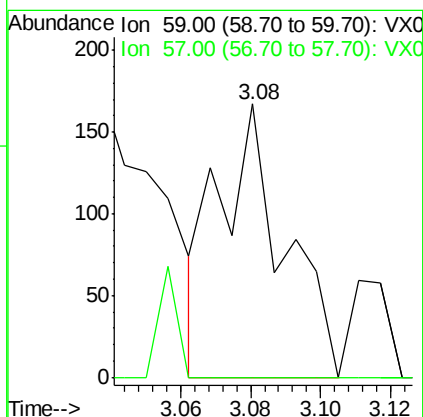
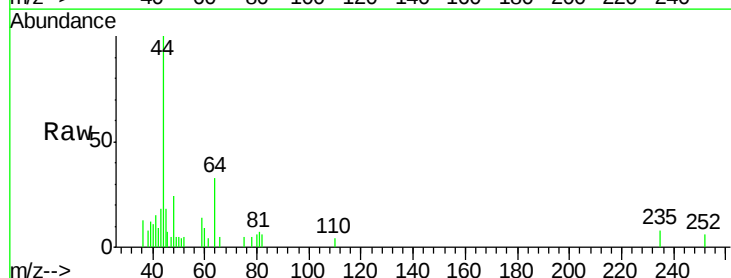
Acq: 22 May 2018 21:52

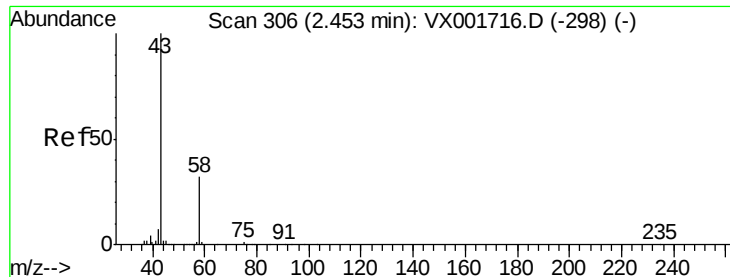
Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 7.30 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

Instrument :

MSVOA_X

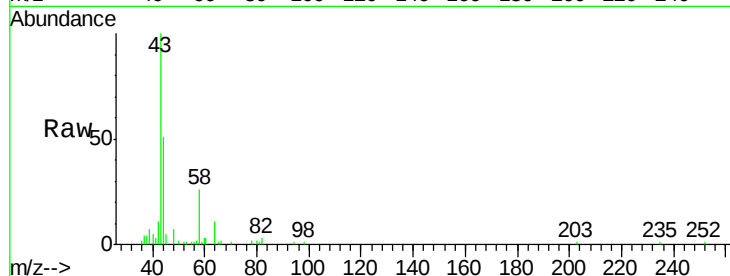
ClientSampleId :

Tot Ion: 43 Resp: 9168

Ion Ratio Lower Upper

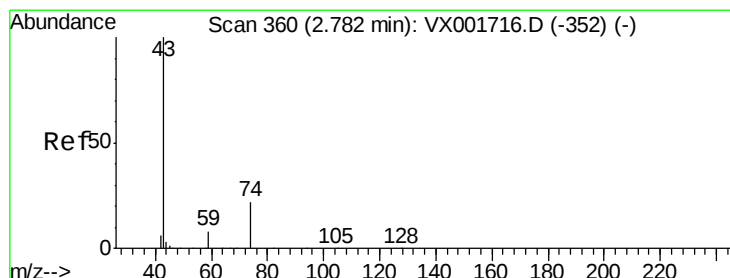
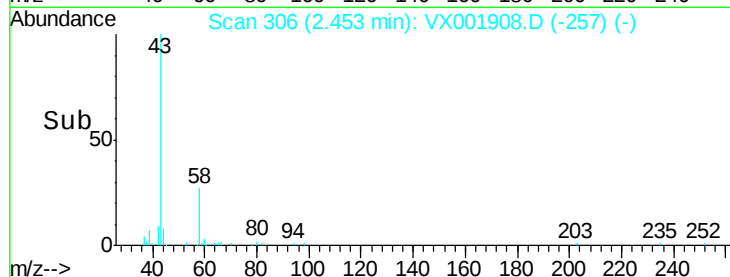
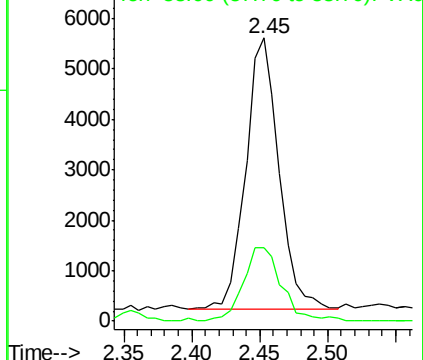
43 100

58 25.9 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 6.66 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001908.D

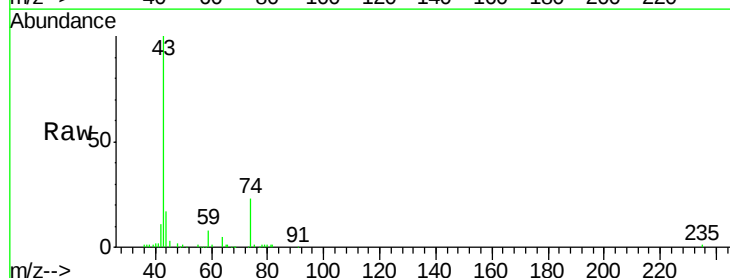
Acq: 22 May 2018 21:52

Tgt Ion: 43 Resp: 24457

Ion Ratio Lower Upper

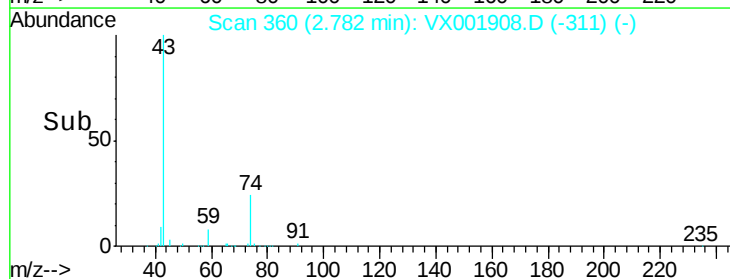
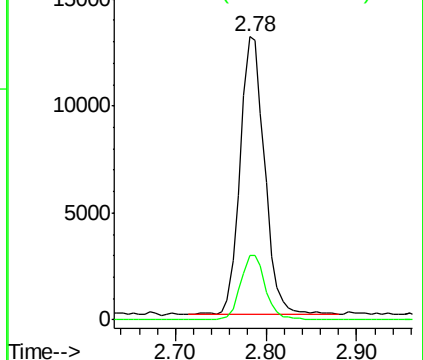
43 100

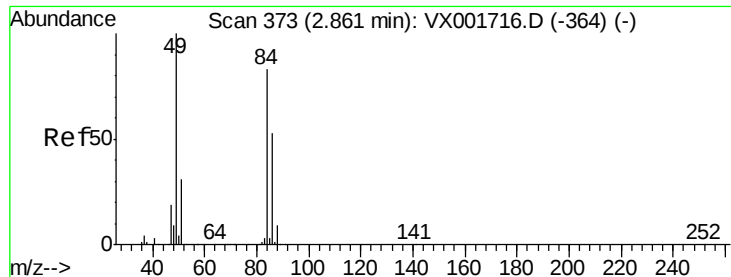
74 23.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

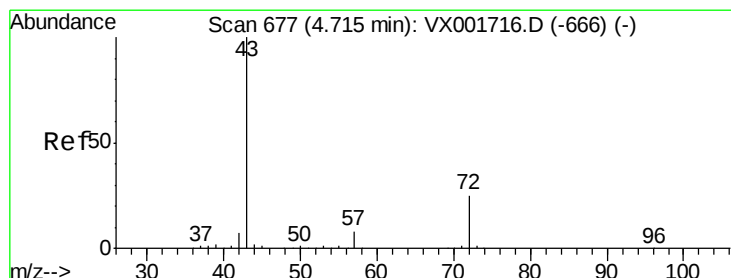
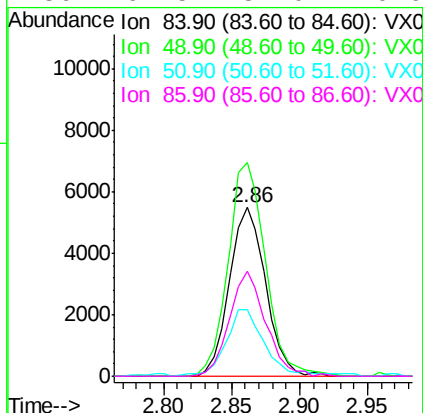
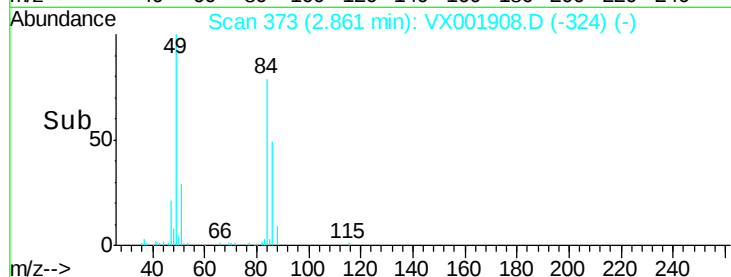
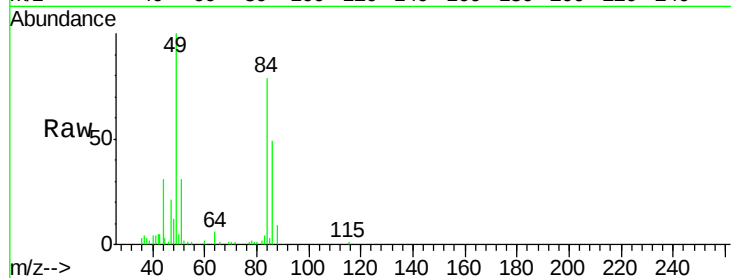




#20
Methvlene Chloride
Concen: 3.80 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001908.D
Acq: 22 May 2018 21:52

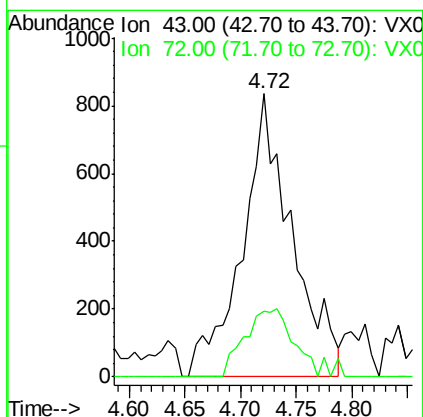
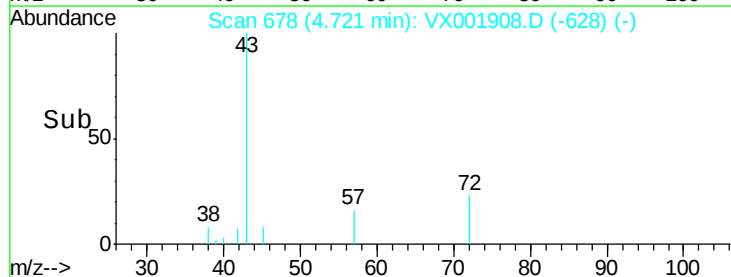
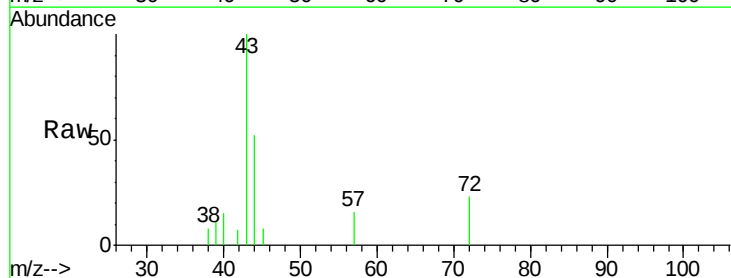
Instrument :
MSVOA_X
ClientSampled :

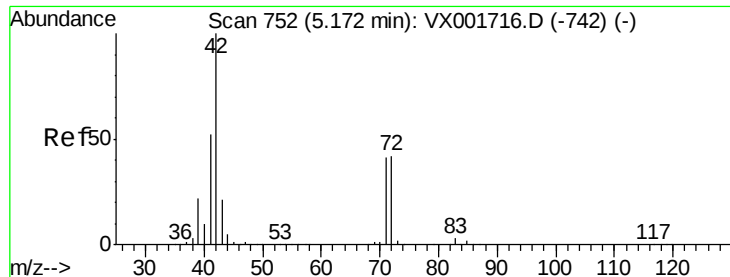
Tot Ion:	84	Resp:	10203
Ion	Ratio	Lower	Upper
84	100		
49	126.6	96.3	144.5
51	37.6	29.8	44.6
86	62.5	51.0	76.6



#25
2-Butanone
Concen: 1.35 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX001908.D
Acq: 22 May 2018 21:52

Tgt Ion:	43	Resp:	2600
Ion	Ratio	Lower	Upper
43	100		
72	23.1	19.8	29.6





#29

Tetrahydrofuran

Concen: 0.83 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

Instrument :

MSVOA_X

ClientSampleId :

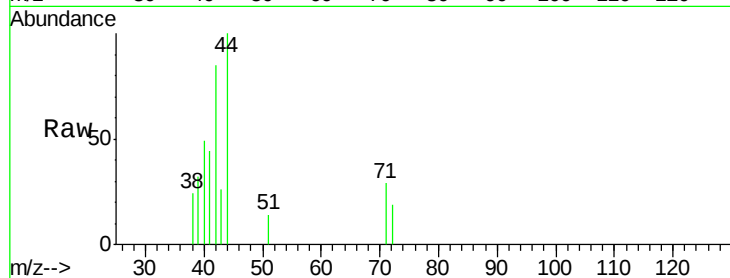
Tot Ion: 42 Resp: 1038

Ion Ratio Lower Upper

42 100

72 34.4 35.4 53.2#

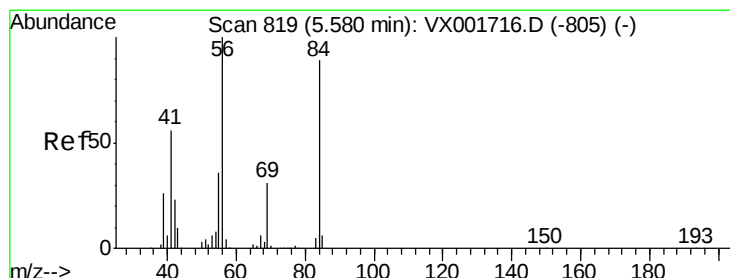
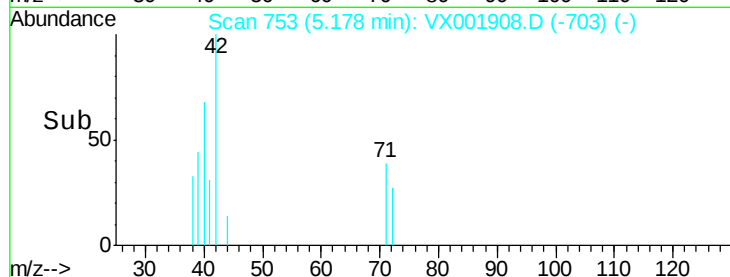
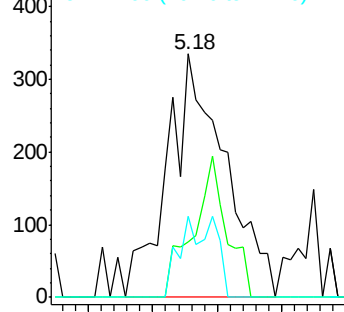
71 10.8 33.2 49.8#



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: 1.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

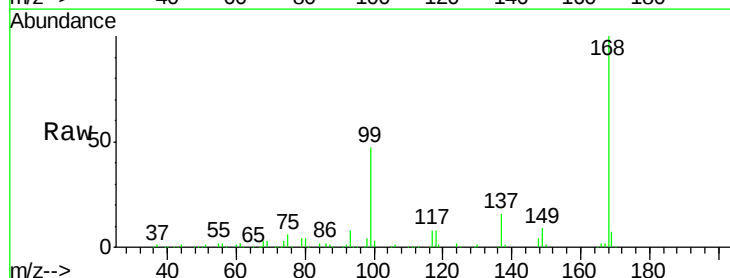
Tgt Ion: 56 Resp: 4033

Ion Ratio Lower Upper

56 100

69 193.1 25.0 37.6#

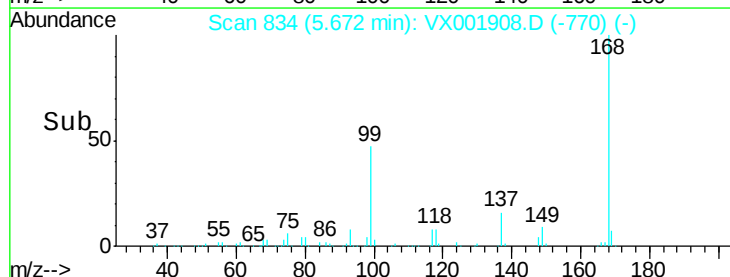
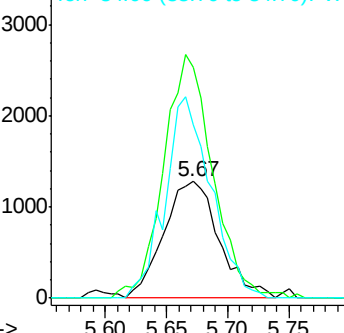
84 148.5 71.0 106.4#

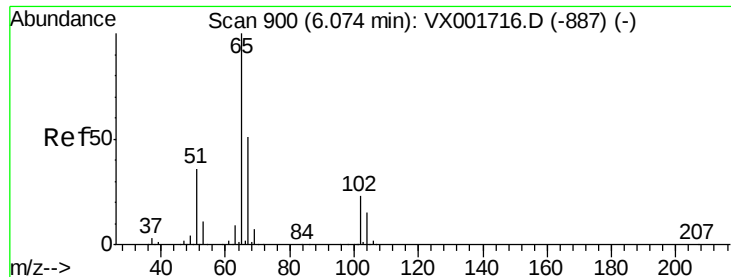


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.53 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

Instrument :

MSVOA_X

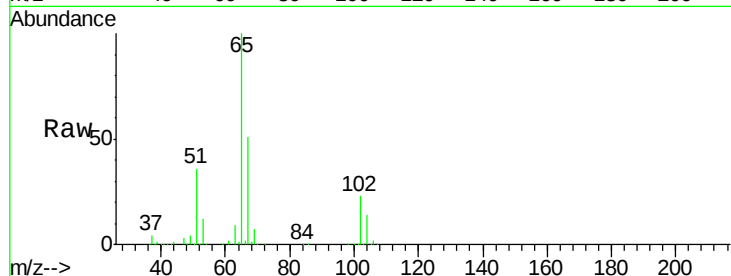
ClientSampleId :

Tot Ion: 65 Resp: 155109

Ion Ratio Lower Upper

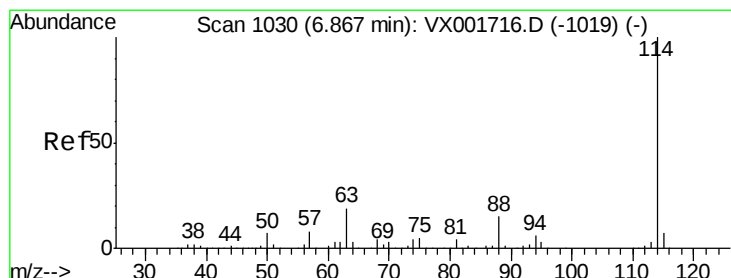
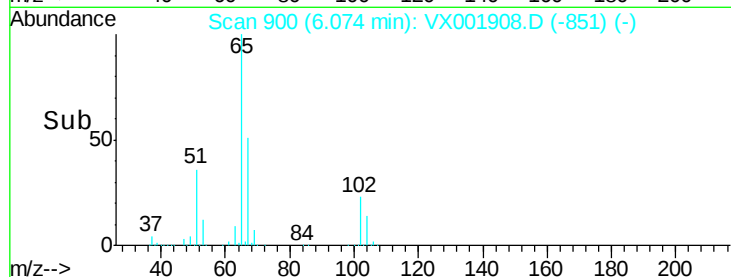
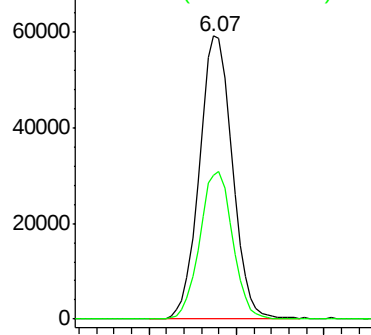
65 100

67 52.0 0.0 102.8



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: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

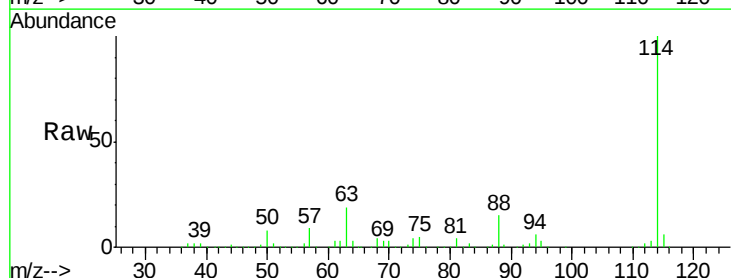
Tgt Ion: 114 Resp: 319996

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.0

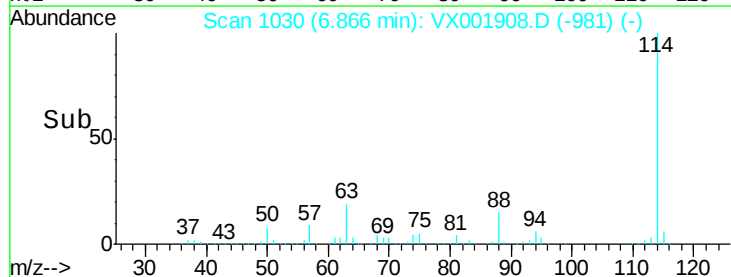
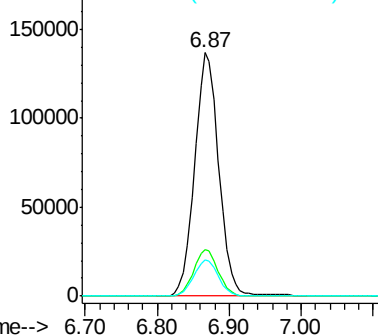
88 14.8 0.0 29.8

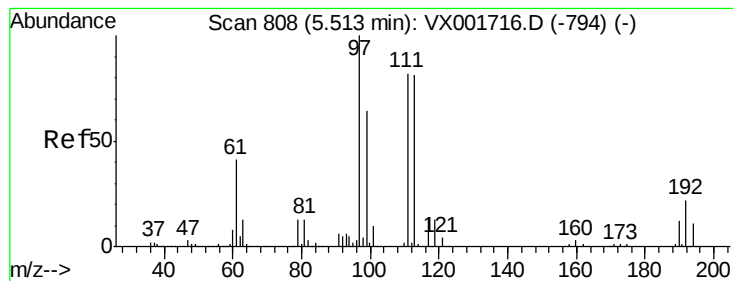


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.75 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

Instrument :
MSVOA_X
ClientSampled :

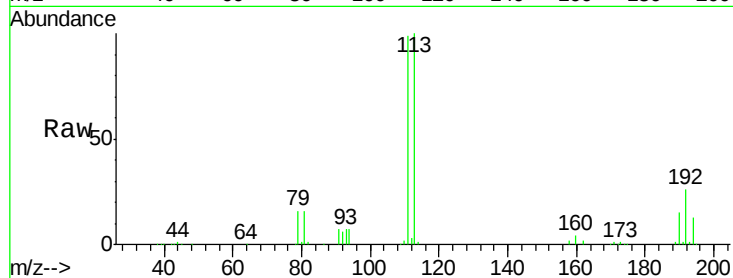
Tot Ion:113 Resp: 128955

Ion Ratio Lower Upper

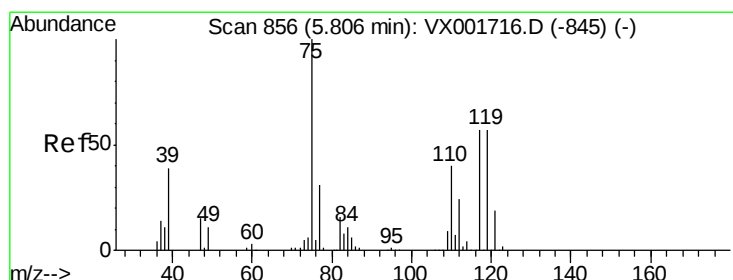
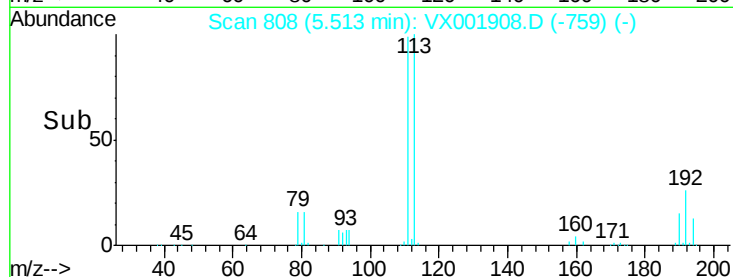
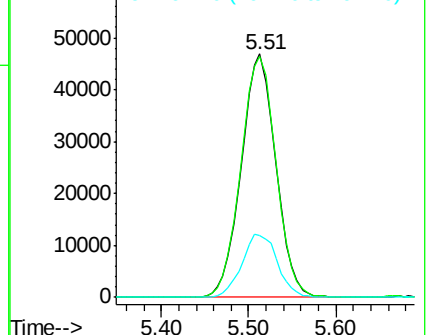
113 100

111 101.2 82.0 123.0

192 26.7 21.6 32.4



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: 3.95 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

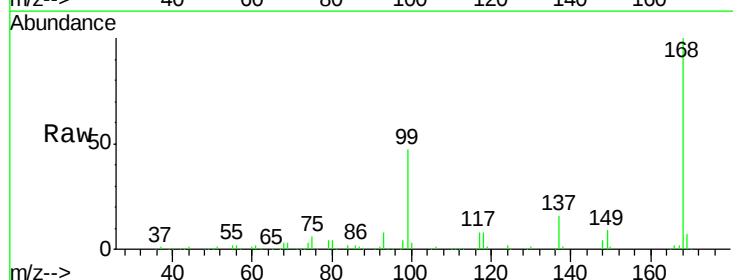
Tgt Ion: 75 Resp: 14537

Ion Ratio Lower Upper

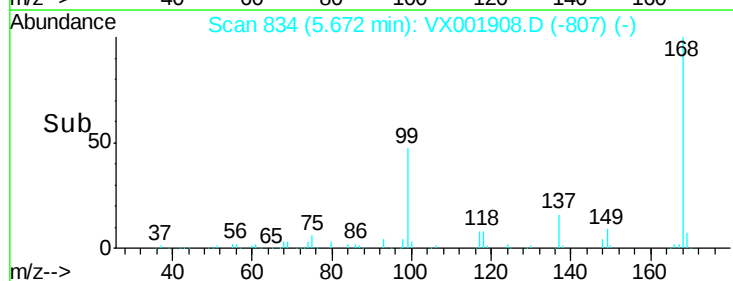
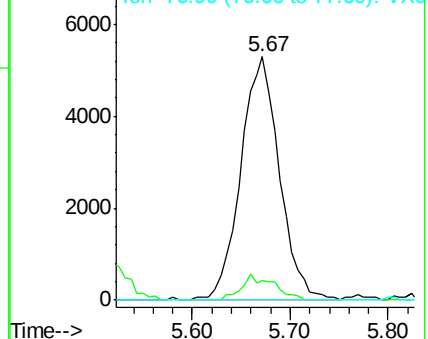
75 100

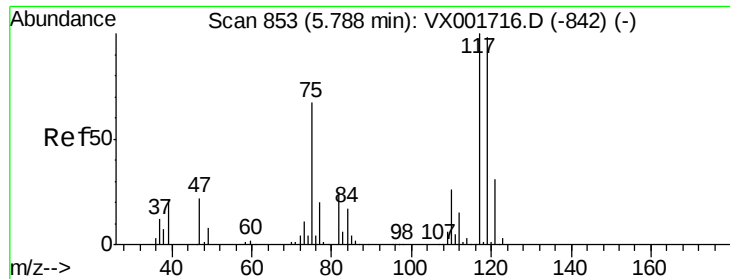
110 8.7 19.1 57.1#

77 0.0 24.6 37.0#



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

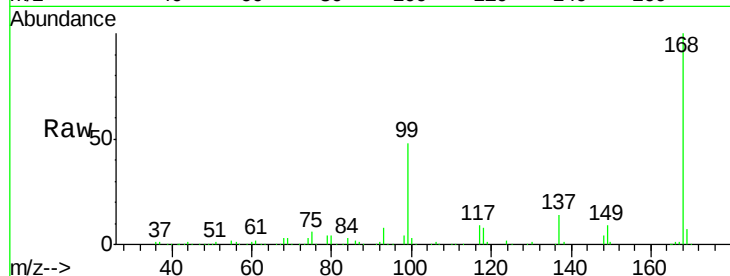




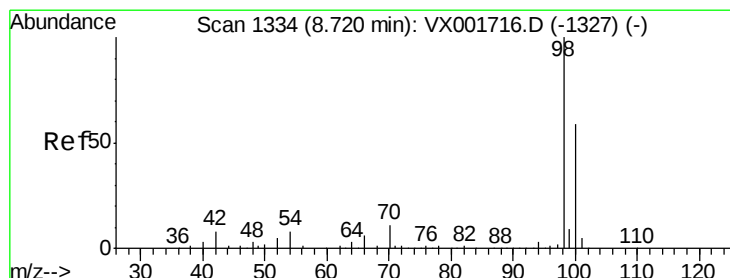
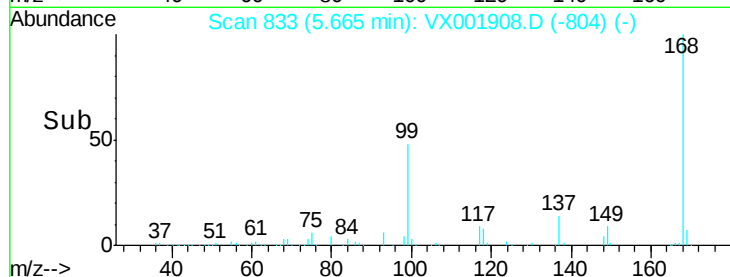
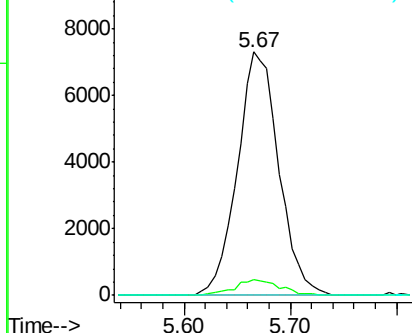
#38
Carbon Tetrachloride
Concen: 5.16 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001908.D
Acq: 22 May 2018 21:52

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 19895
Ion Ratio Lower Upper
117 100
119 6.2 77.6 116.4#
121 0.0 24.6 36.8#

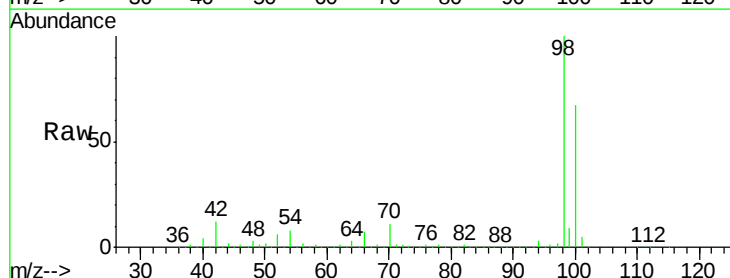


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

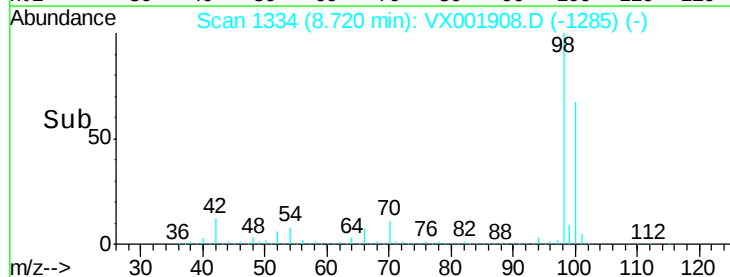
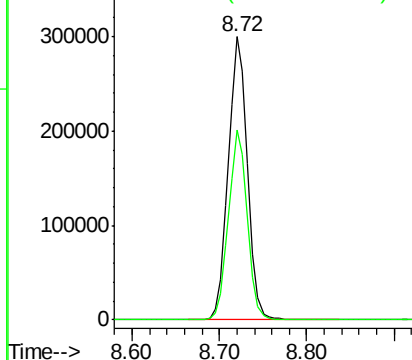


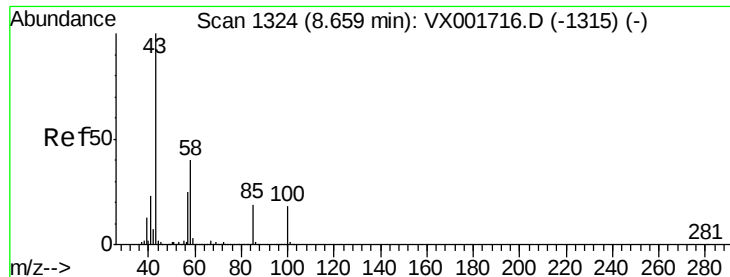
#50
Toluene-d8
Concen: 47.09 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001908.D
Acq: 22 May 2018 21:52

Tgt Ion: 98 Resp: 455420
Ion Ratio Lower Upper
98 100
100 65.9 54.0 81.0



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

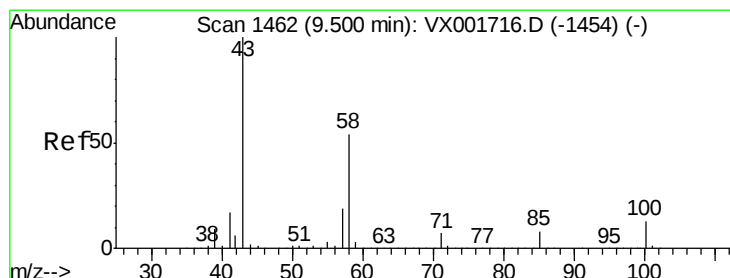
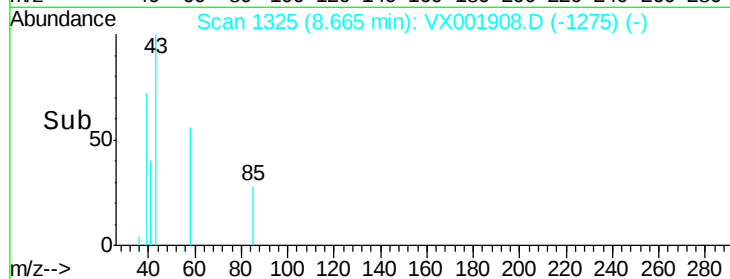
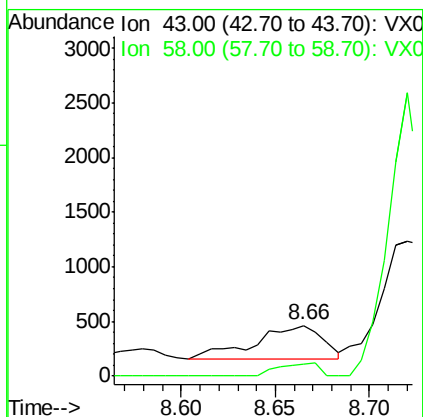
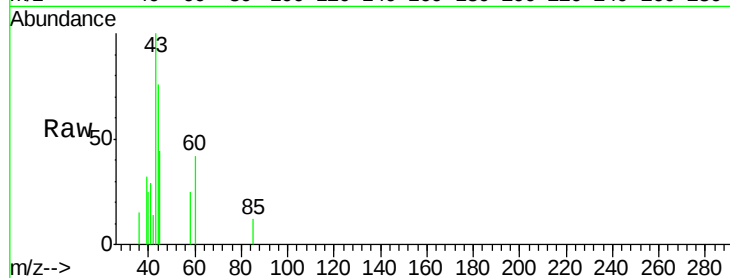




#51
 4-Methyl-2-Pentanone
 Concen: 0.21 ug/l
 RT: 8.66 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX001908.D
 Acq: 22 May 2018 21:52

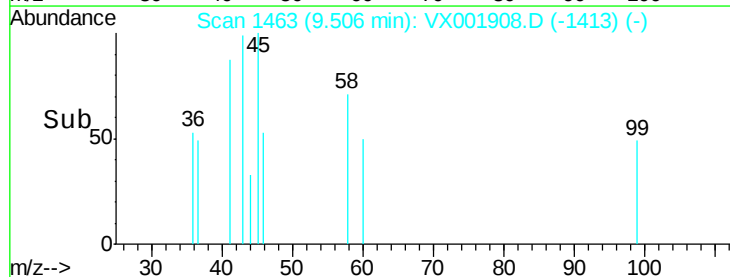
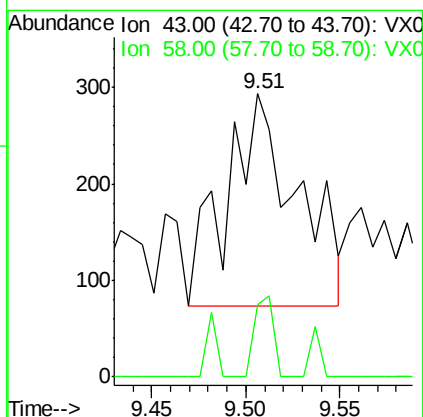
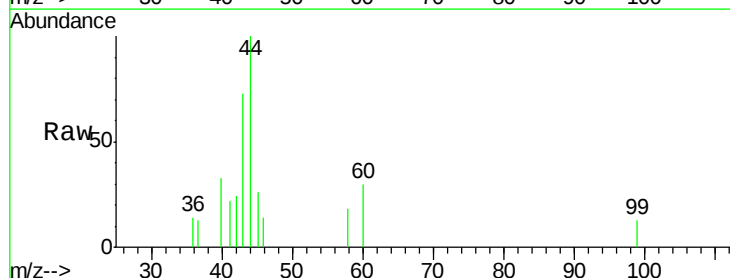
Instrument :
 MSVOA_X
 ClientSampleID :

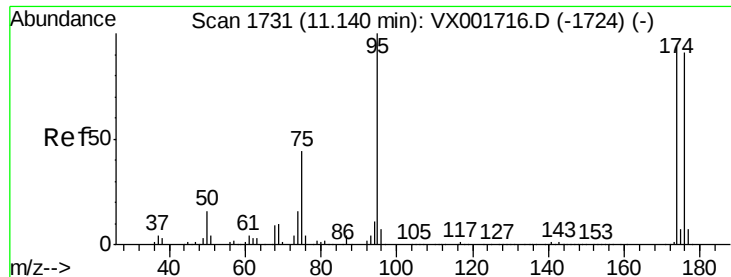
Tot Ion: 43 Resp: 783
 Ion Ratio Lower Upper
 43 100
 58 23.0 31.4 47.0#



#59
 2-Hexanone
 Concen: 0.21 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VX001908.D
 Acq: 22 May 2018 21:52

Tgt Ion: 43 Resp: 577
 Ion Ratio Lower Upper
 43 100
 58 10.1 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 38.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

Instrument :

MSVOA_X

ClientSampled :

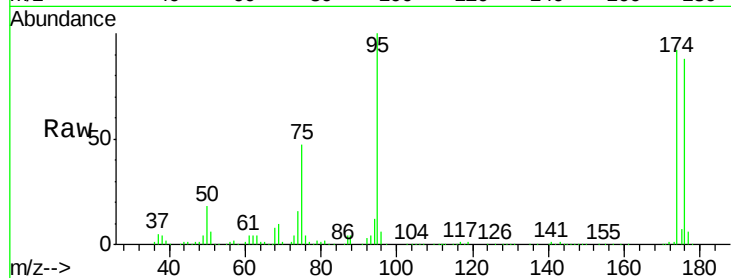
Tot Ion: 95 Resp: 132686

Ion Ratio Lower Upper

95 100

174 101.5 0.0 201.8

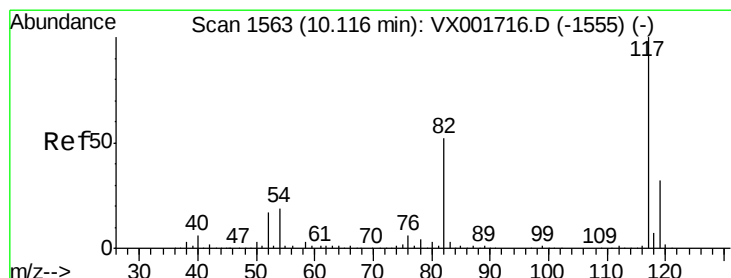
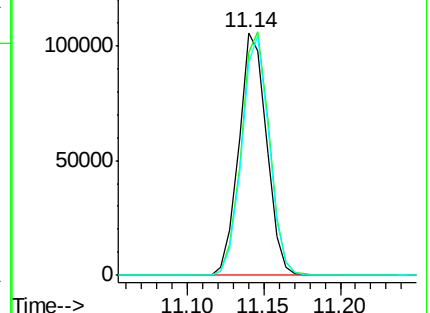
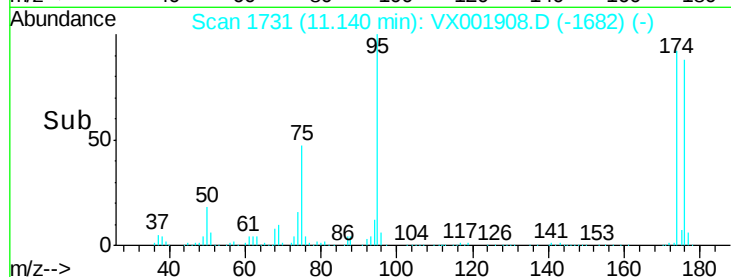
176 97.3 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001908.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001908.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001908.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

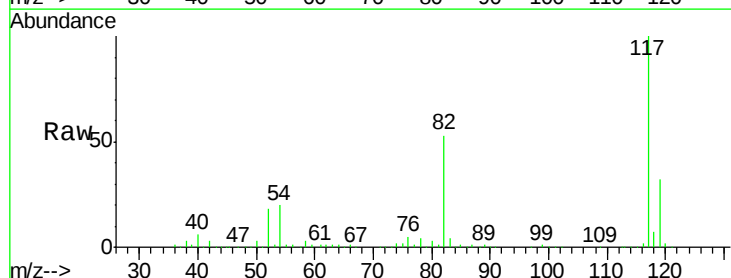
Tgt Ion: 117 Resp: 271230

Ion Ratio Lower Upper

117 100

82 53.4 41.4 62.2

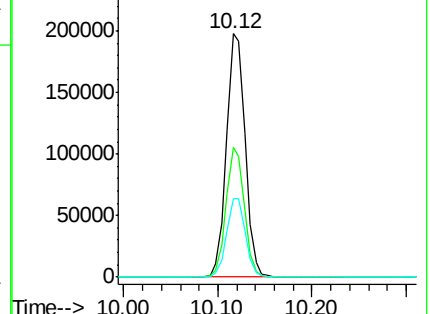
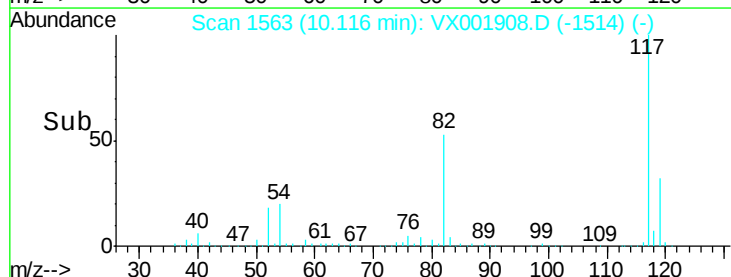
119 32.1 25.6 38.4

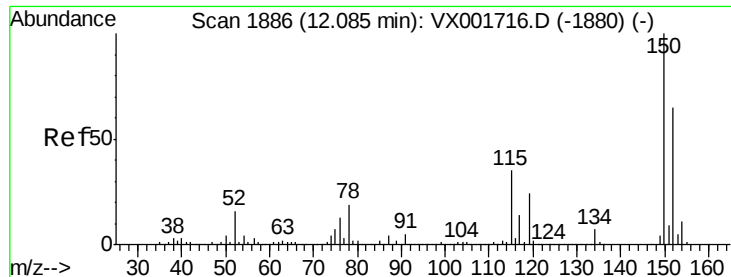


Abundance Ion 116.90 (116.60 to 117.60): VX001908.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX001908.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX001908.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

Instrument :

MSVOA_X

ClientSampleId :

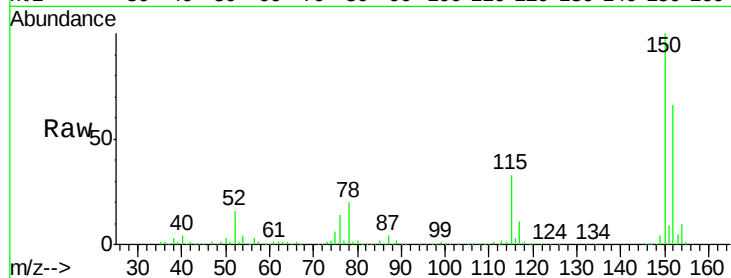
Tot Ion:152 Resp: 133290

Ion Ratio Lower Upper

152 100

115 51.5 37.4 112.2

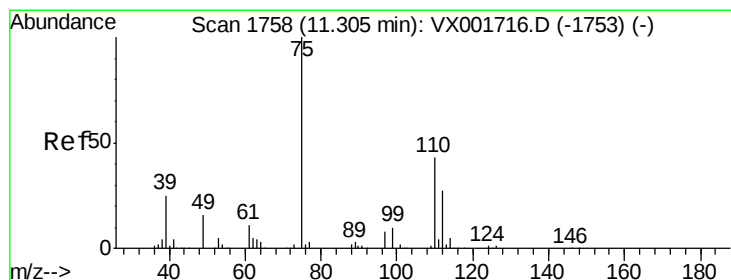
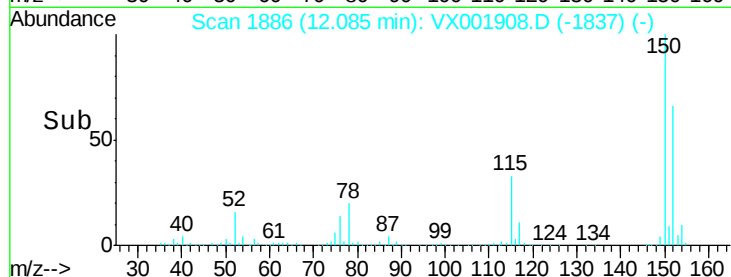
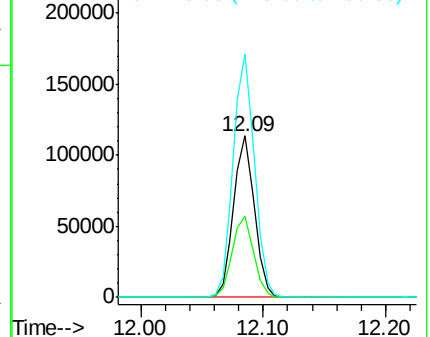
150 153.7 0.0 344.8



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: 24.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001908.D

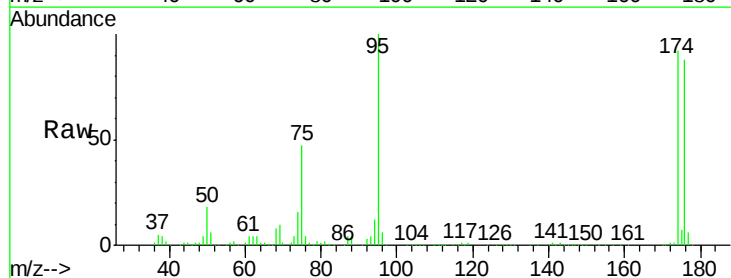
Acq: 22 May 2018 21:52

Tgt Ion: 75 Resp: 62675

Ion Ratio Lower Upper

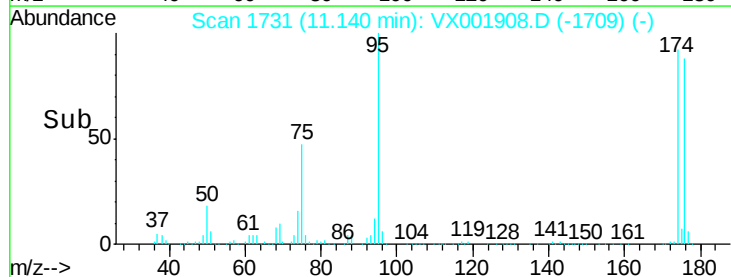
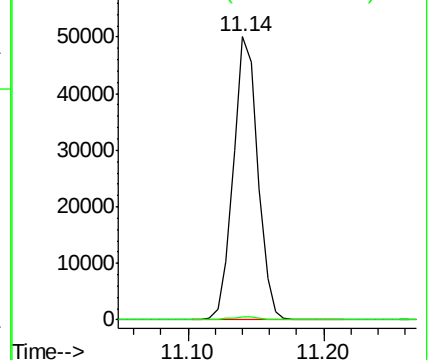
75 100

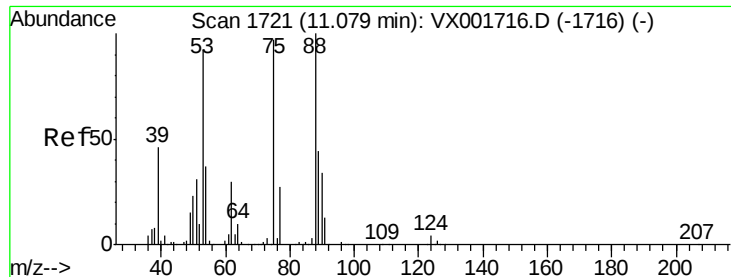
77 1.4 18.9 56.7#



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: 72.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001908.D

Acq: 22 May 2018 21:52

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 62675

Ion Ratio Lower Upper

75 100

53 0.3 79.4 119.2#

89 0.0 38.8 58.2#

