

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001923.D
 Acq On : 23 May 2018 04:59
 Operator : JC/MD
 Sample : PB109456ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 06:46:39 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	252938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	346756	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	176115	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	159769	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
35) Dibromofluoromethane	5.51	113	133205	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	
50) Toluene-d8	8.72	98	488794	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.14	95	153396	40.65	ug/l	0.00
Spiked Amount			Recovery	=	81.30%	

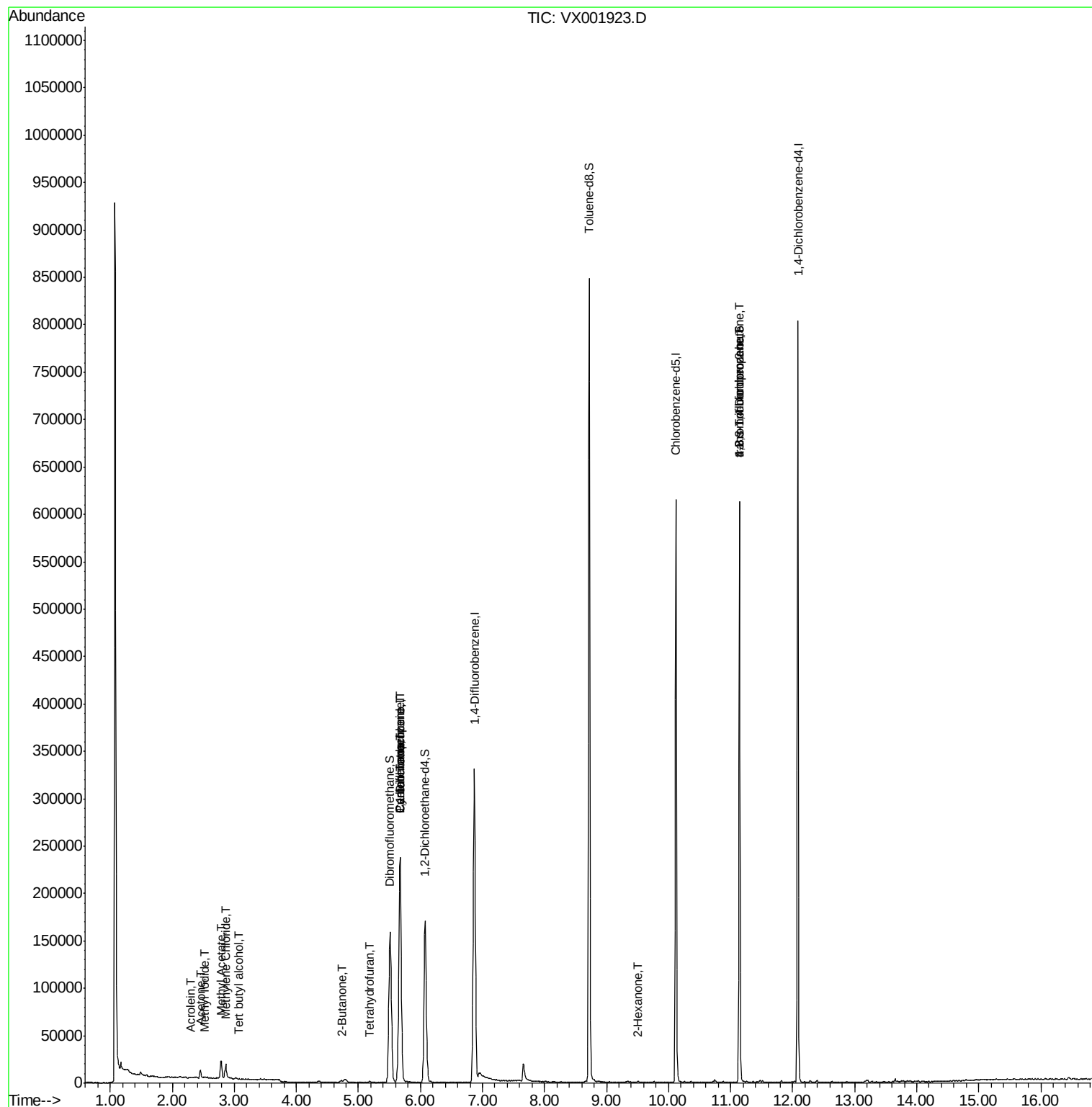
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	611	Below Cal	#	57
10) Methyl Iodide	2.53	142	528	0.22	ug/l #	84
11) Tert butyl alcohol	3.07	59	475	0.79	ug/l #	78
13) Acrolein	2.29	56	109	0.26	ug/l #	15
16) Acetone	2.45	43	9199	6.91	ug/l	98
18) Methyl Acetate	2.78	43	23783	6.11	ug/l	99
20) Methylene Chloride	2.86	84	7077	2.48	ug/l	97
25) 2-Butanone	4.73	43	3765	1.85	ug/l	95
29) Tetrahydrofuran	5.18	42	886	0.67	ug/l #	65
31) Cyclohexane	5.67	56	4290	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14641	3.67	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20960	5.01	ug/l #	16
59) 2-Hexanone	9.51	43	703	0.24	ug/l	81
76) 1,2,3-Trichloropropane	11.14	75	72581	21.67	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	72581	63.62	ug/l #	10

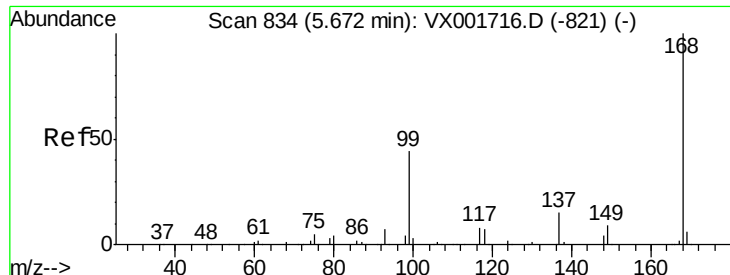
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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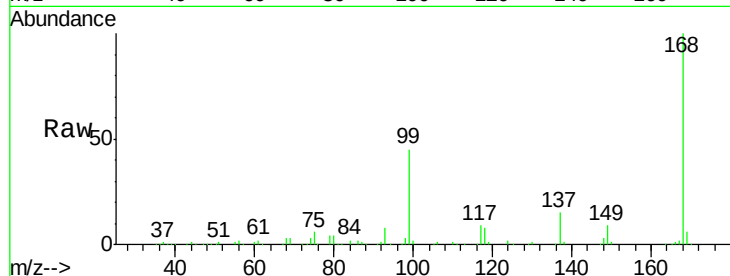




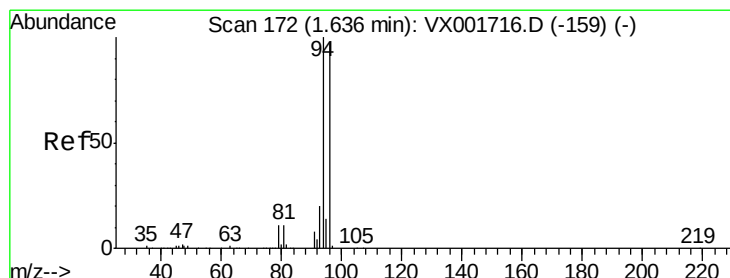
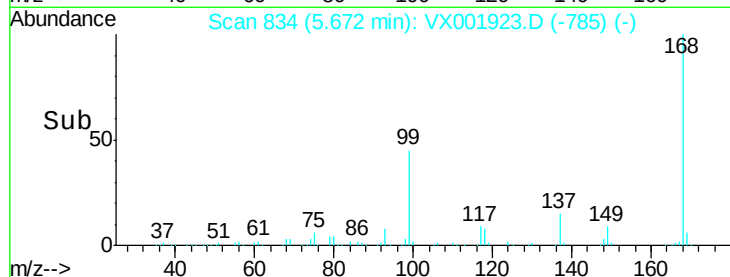
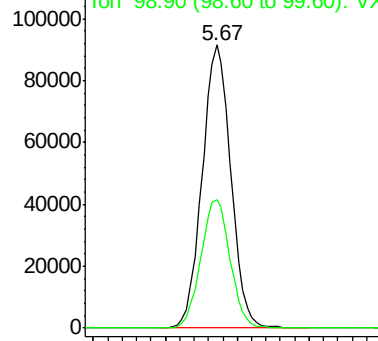
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX001923.D
Acq: 23 May 2018 04:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 252938
Ion Ratio Lower Upper
168 100
99 45.4 35.0 52.4

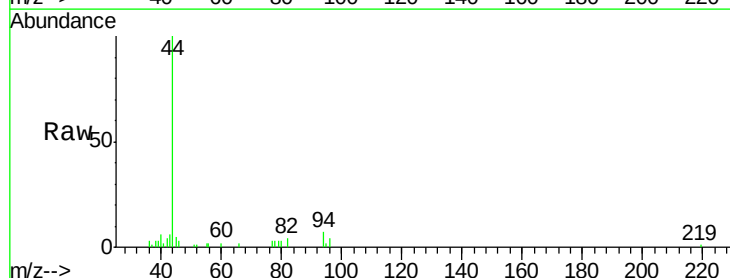


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

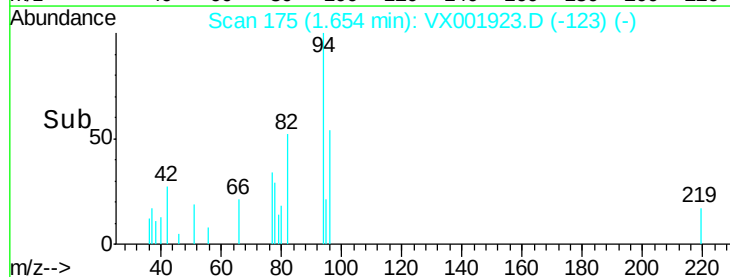
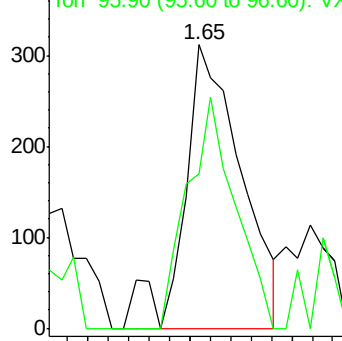


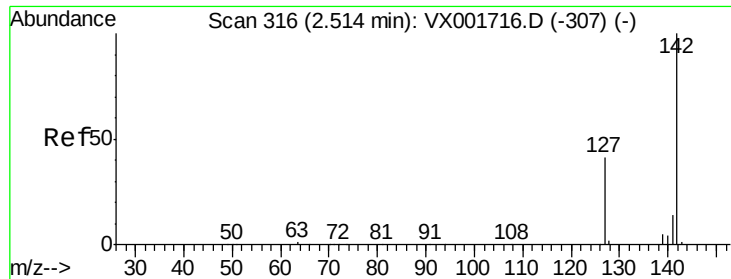
#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 175
Delta R.T. 0.02 min
Lab File: VX001923.D
Acq: 23 May 2018 04:59

Tgt Ion: 94 Resp: 611
Ion Ratio Lower Upper
94 100
96 54.5 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0

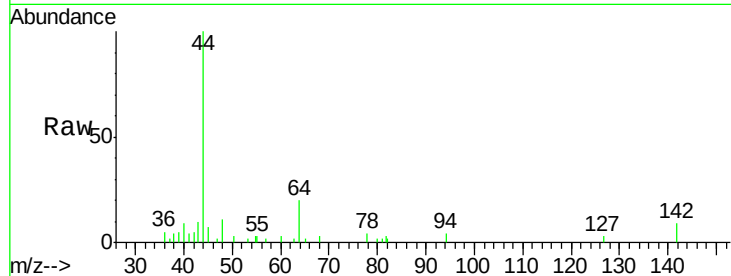




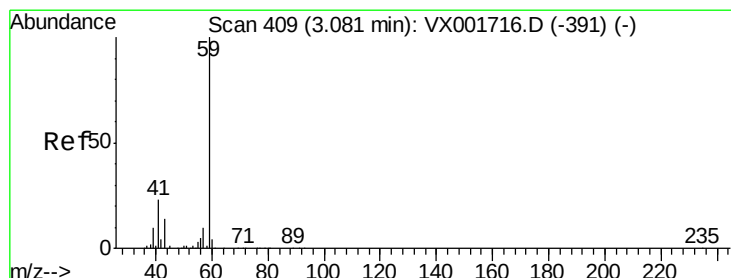
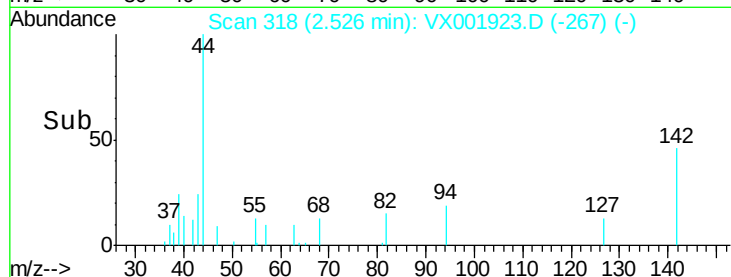
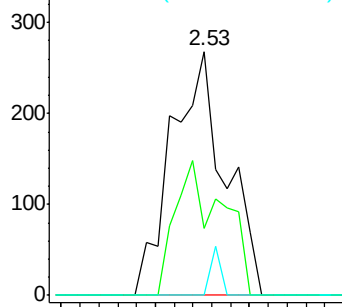
#10
Methyl Iodide
Concen: 0.22 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001923.D
Acq: 23 May 2018 04:59

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 528
Ion Ratio Lower Upper
142 100
127 48.7 32.5 48.7
141 3.8 11.4 17.0#

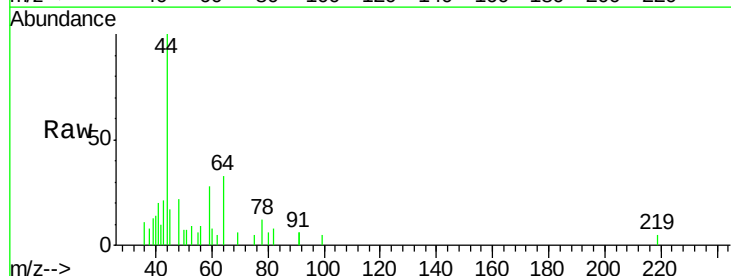


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

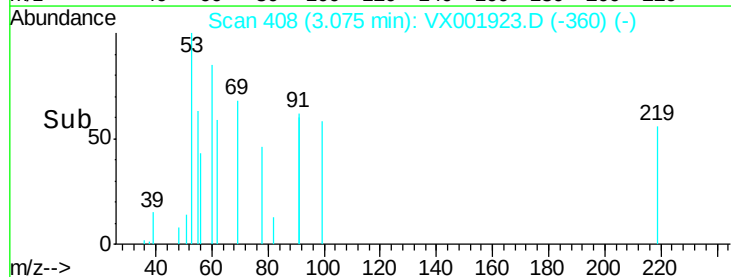
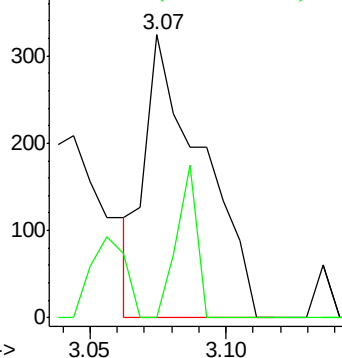


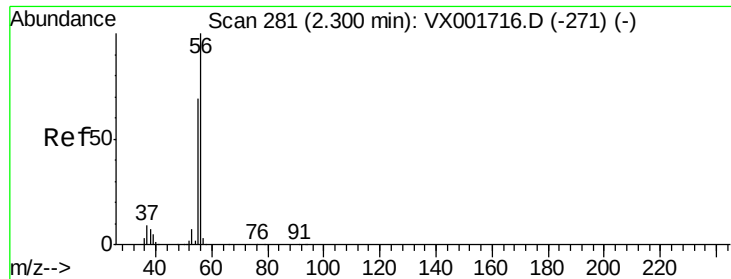
#11
Tert butyl alcohol
Concen: 0.79 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001923.D
Acq: 23 May 2018 04:59

Tgt Ion: 59 Resp: 475
Ion Ratio Lower Upper
59 100
57 18.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.26 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

Instrument :

MSVOA_X

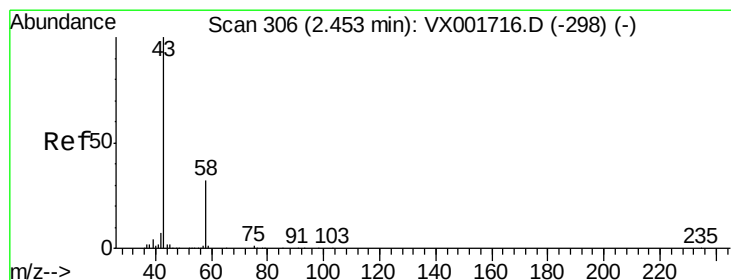
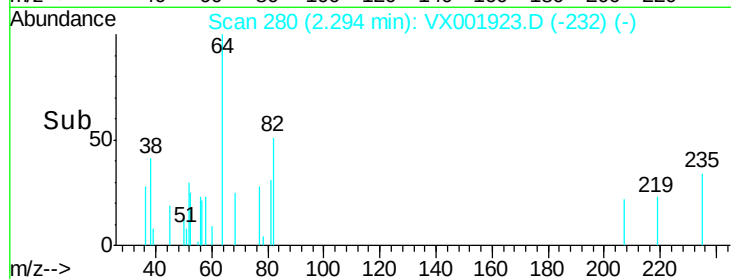
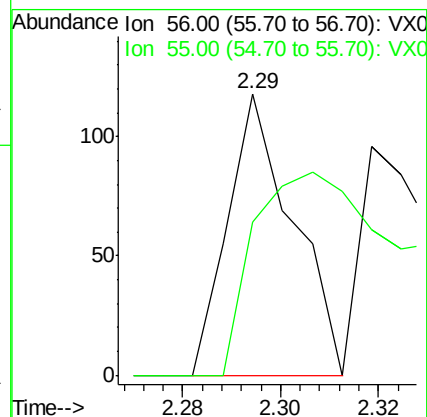
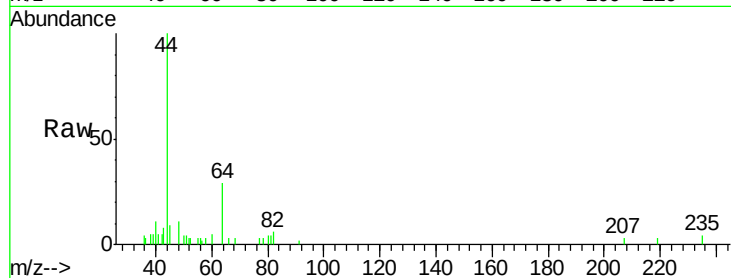
ClientSampleId :

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#



#16

Acetone

Concen: 6.91 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001923.D

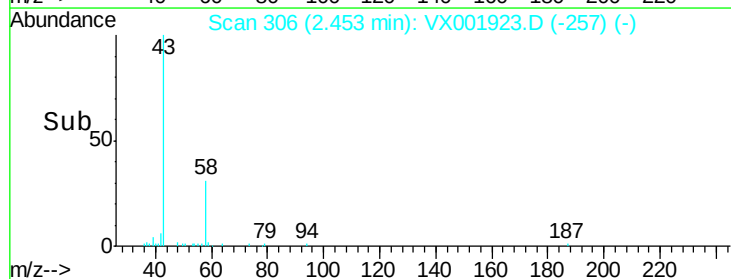
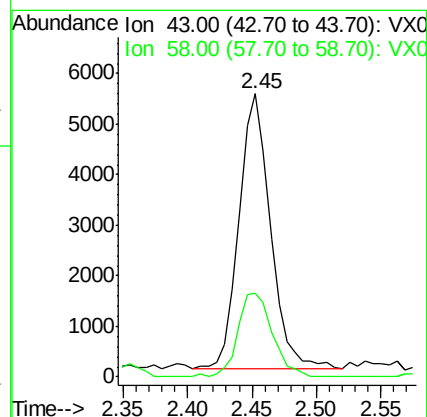
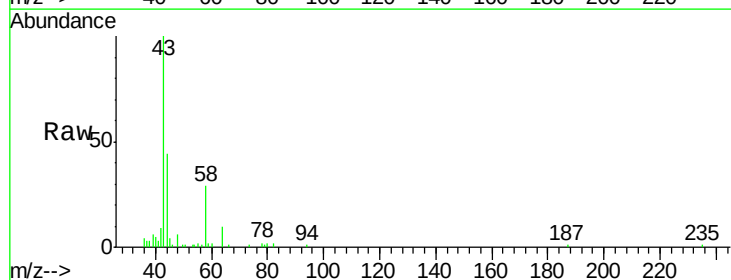
Acq: 23 May 2018 04:59

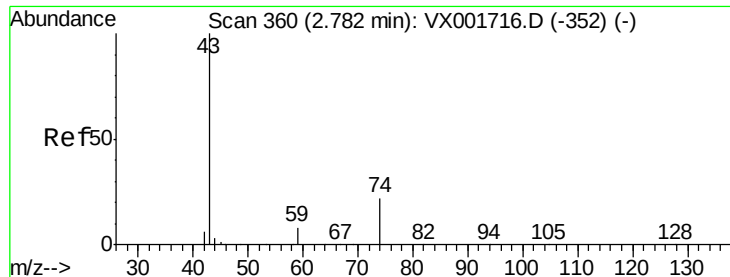
Tgt Ion: 43 Resp: 9199

Ion Ratio Lower Upper

43 100

58 30.2 25.3 37.9





#18

Methyl Acetate

Concen: 6.11 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

Instrument :

MSVOA_X

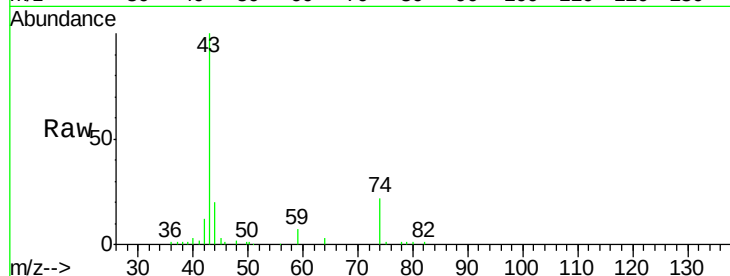
ClientSampleId :

Tot Ion: 43 Resp: 23783

Ion Ratio Lower Upper

43 100

74 22.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

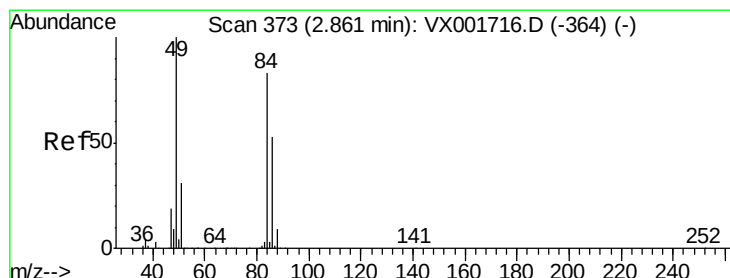
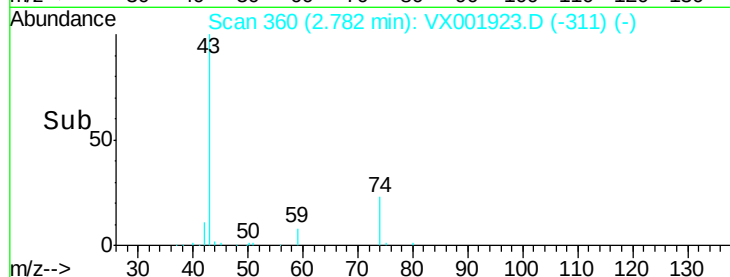
15000

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: 2.48 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

Tgt Ion: 84 Resp: 7077

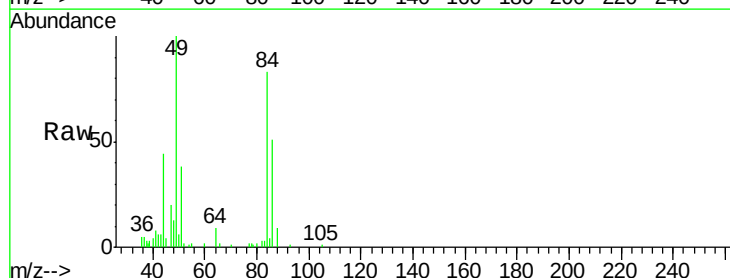
Ion Ratio Lower Upper

84 100

49 120.6 96.3 144.5

51 43.4 29.8 44.6

86 62.0 51.0 76.6



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

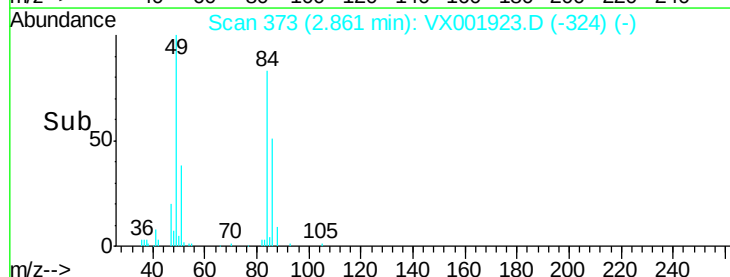
6000

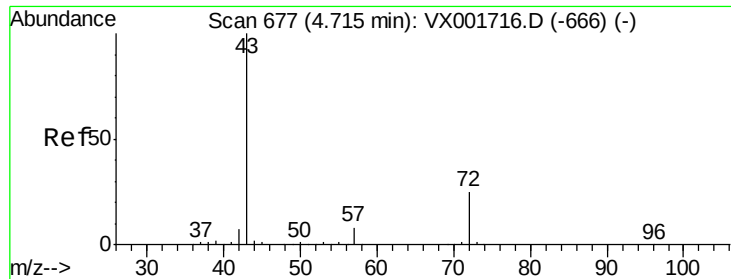
4000

2000

0

Time-->





#25

2-Butanone

Concen: 1.85 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

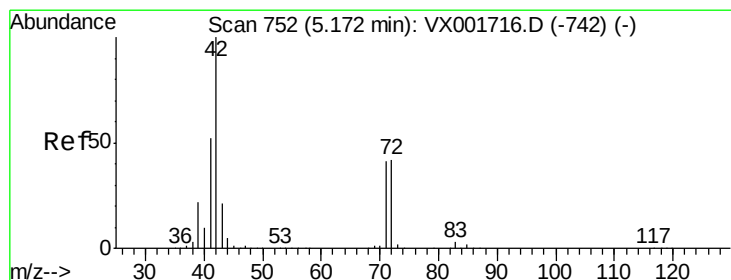
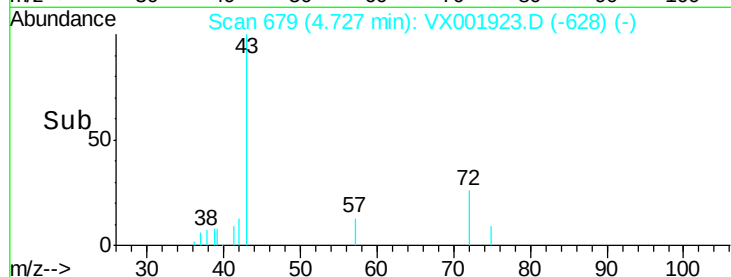
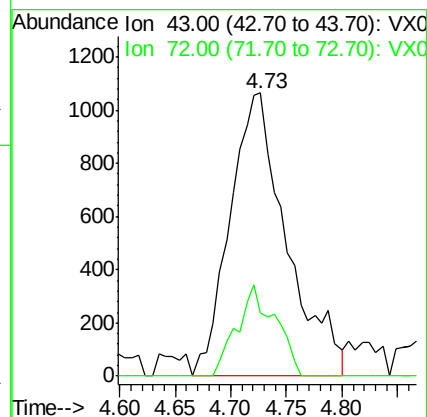
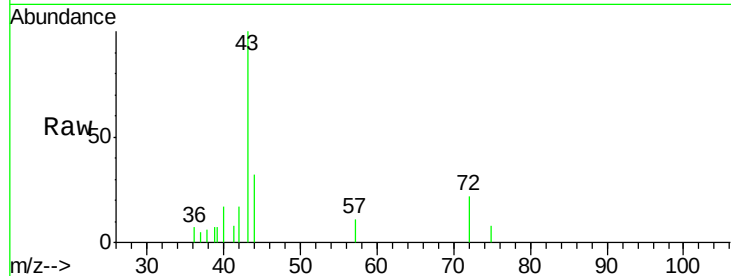
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 3765

Ion Ratio Lower Upper

43 100

72 22.4 19.8 29.6



#29

Tetrahydrofuran

Concen: 0.67 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

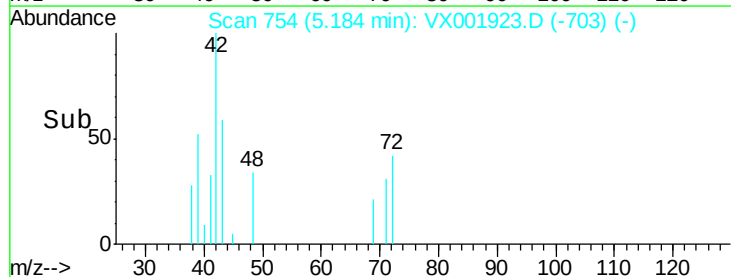
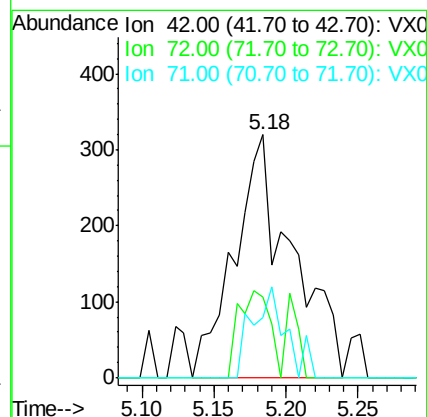
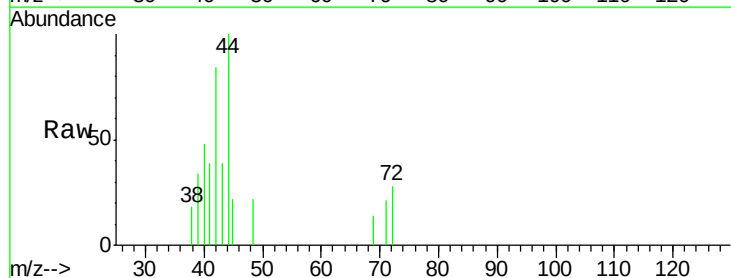
Tgt Ion: 42 Resp: 886

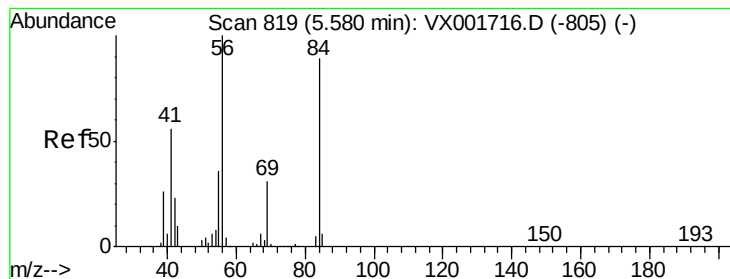
Ion Ratio Lower Upper

42 100

72 19.5 35.4 53.2#

71 21.8 33.2 49.8#





#31

Cyclohexane

Concen: 1.01 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

Instrument :
MSVOA_X
ClientSampleId :

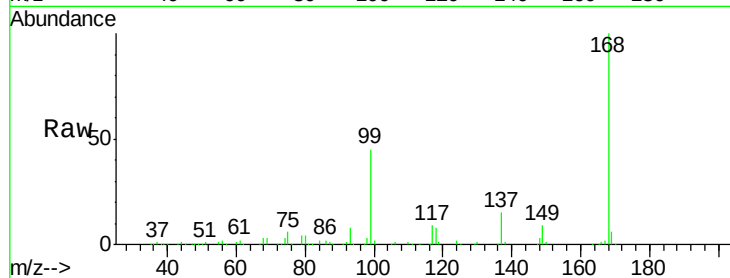
Tot Ion: 56 Resp: 4290

Ion Ratio Lower Upper

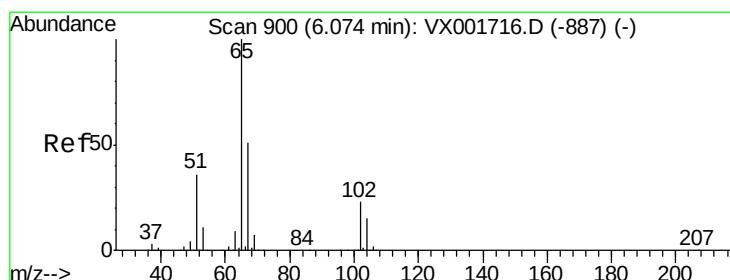
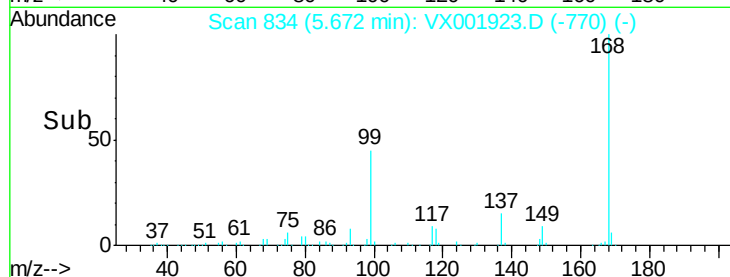
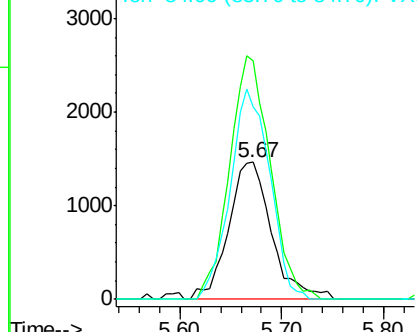
56 100

69 173.6 25.0 37.6#

84 140.1 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: 47.12 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001923.D

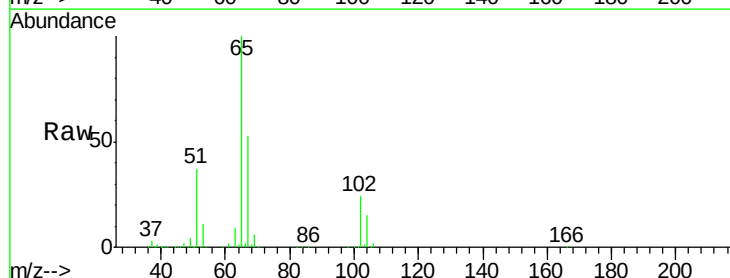
Acq: 23 May 2018 04:59

Tgt Ion: 65 Resp: 159769

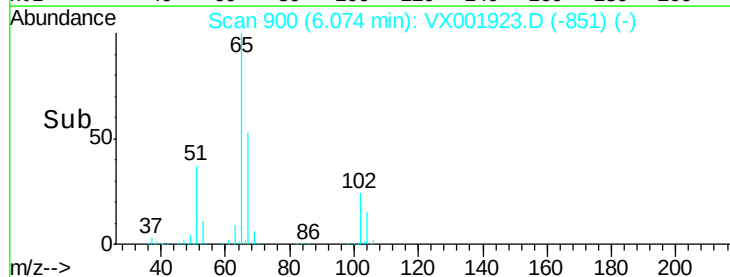
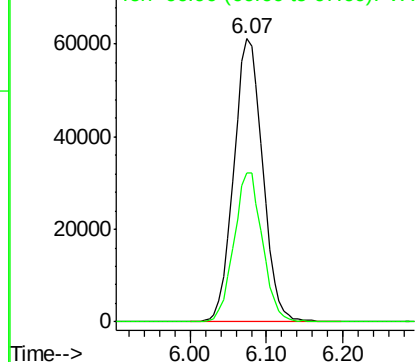
Ion Ratio Lower Upper

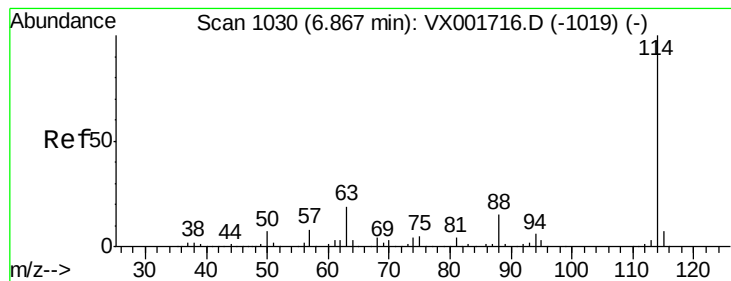
65 100

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: VX001923.D

Acq: 23 May 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

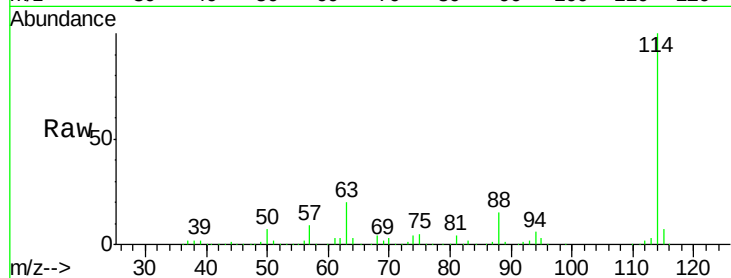
Tot Ion:114 Resp: 346756

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.0

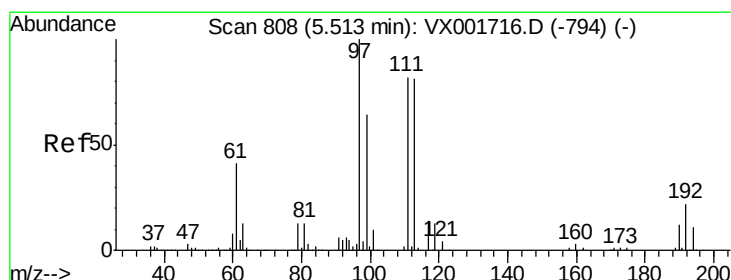
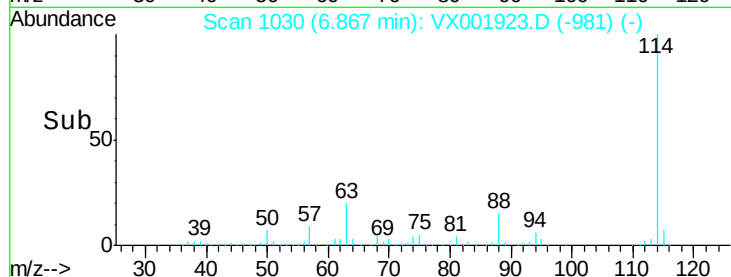
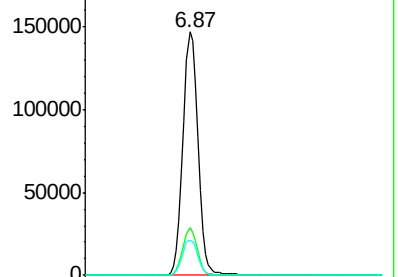
88 14.6 0.0 29.8



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: 45.52 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

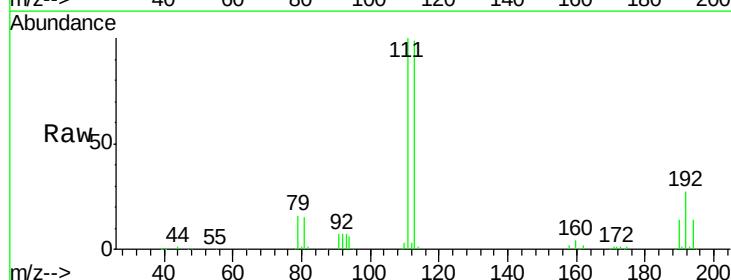
Tgt Ion:113 Resp: 133205

Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

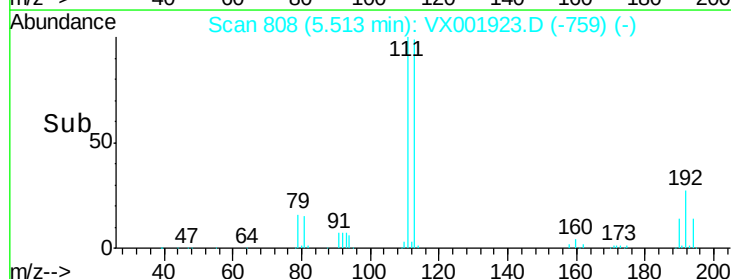
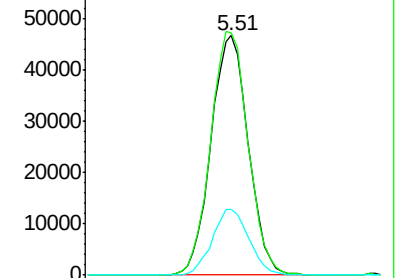
192 27.1 21.6 32.4

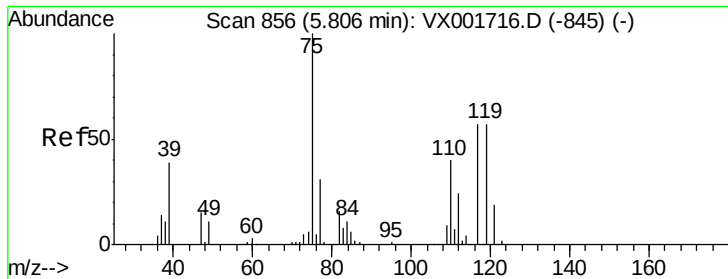


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.67 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

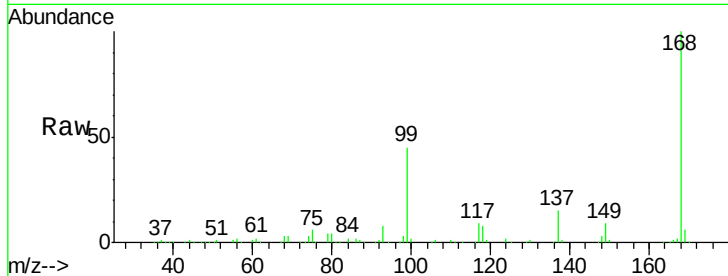
Tot Ion: 75 Resp: 14641

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.1#

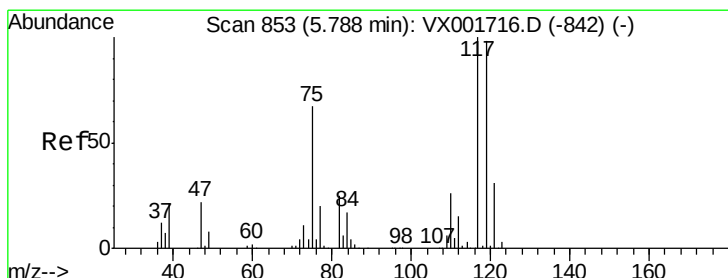
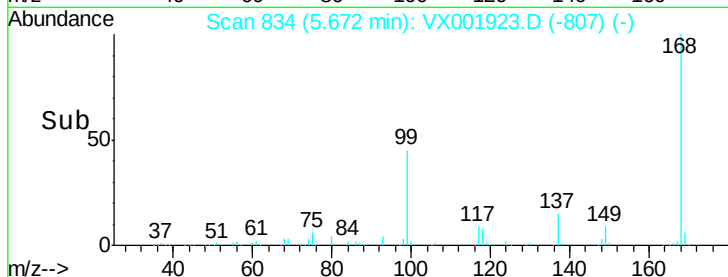
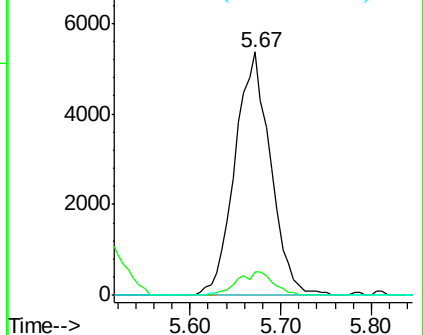
77 0.0 24.6 37.0#



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: 5.01 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

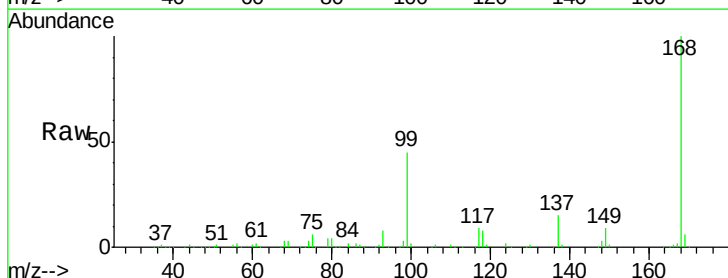
Tgt Ion: 117 Resp: 20960

Ion Ratio Lower Upper

117 100

119 5.9 77.6 116.4#

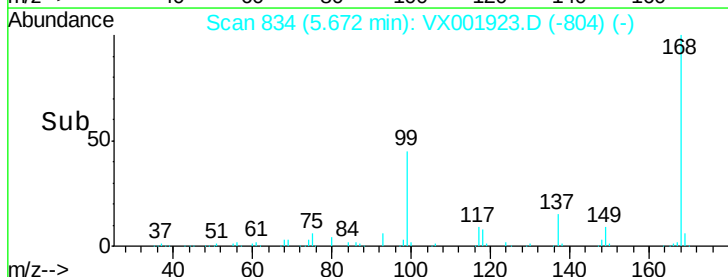
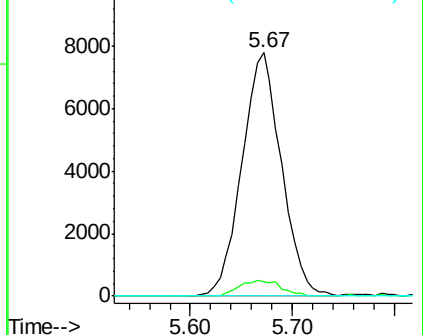
121 0.0 24.6 36.8#

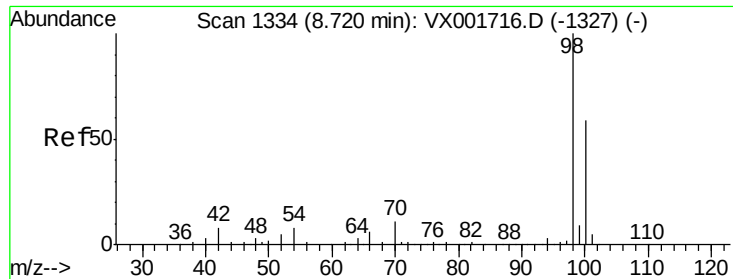


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

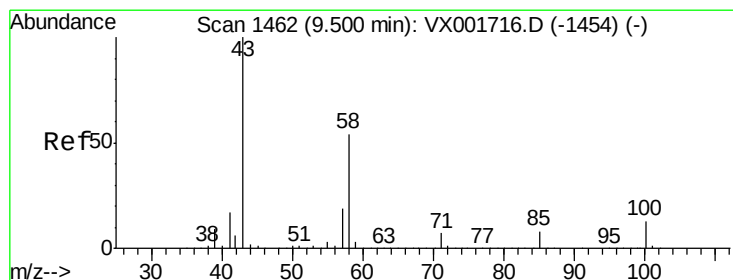
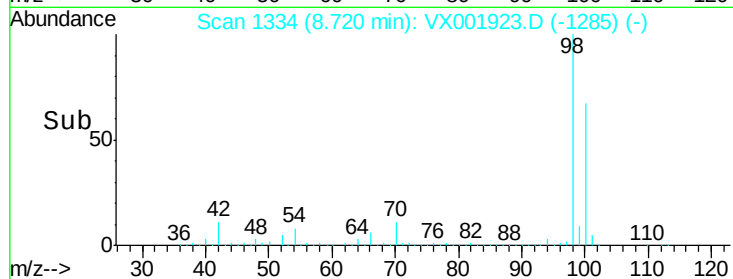
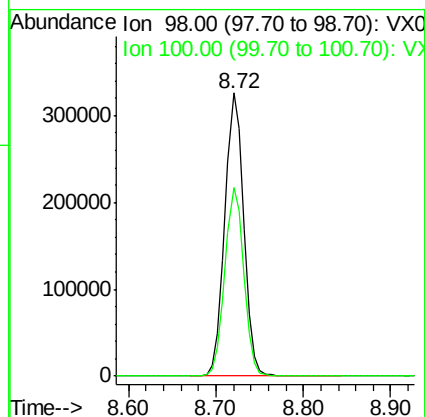
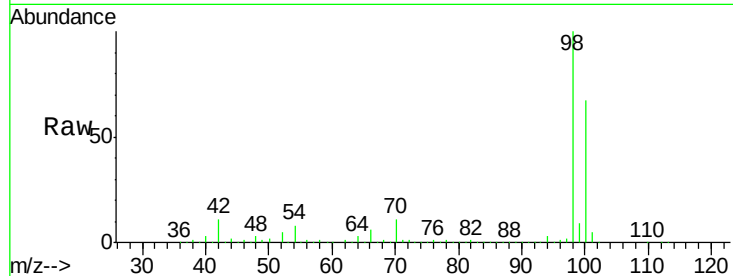




#50
Toluene-d8
Concen: 46.64 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001923.D
Acq: 23 May 2018 04:59

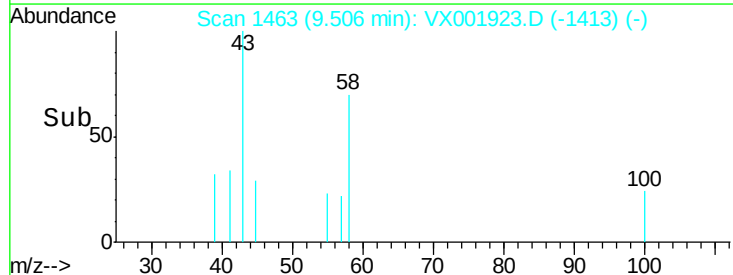
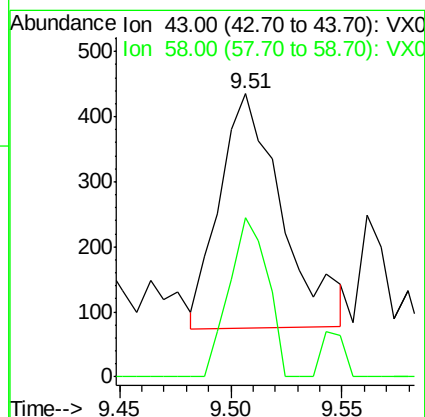
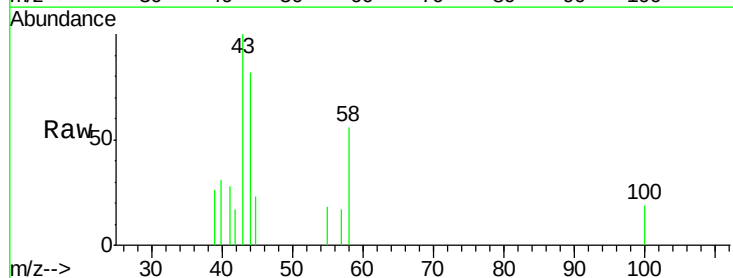
Instrument :
MSVOA_X
ClientSampled :

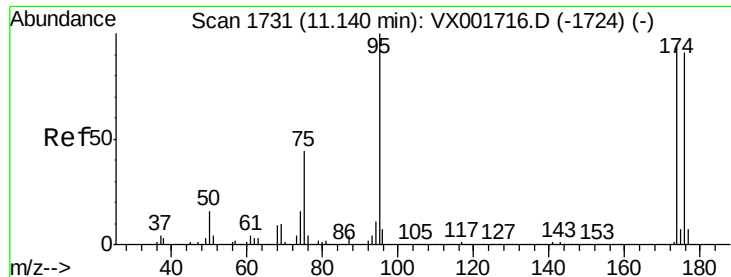
Tot Ion: 98 Resp: 488794
Ion Ratio Lower Upper
98 100
100 66.7 54.0 81.0



#59
2-Hexanone
Concen: 0.24 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001923.D
Acq: 23 May 2018 04:59

Tgt Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
58 41.8 27.7 83.1





#62

4-Bromofluorobenzene

Concen: 40.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

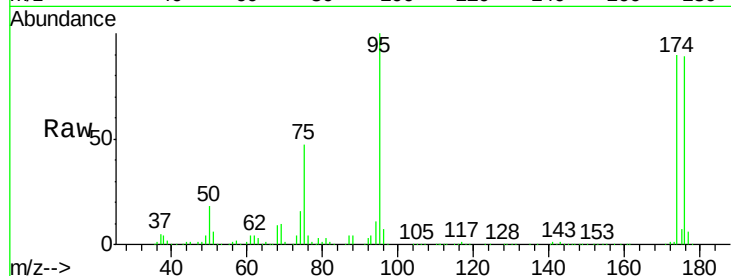
Tot Ion: 95 Resp: 153396

Ion Ratio Lower Upper

95 100

174 102.4 0.0 201.8

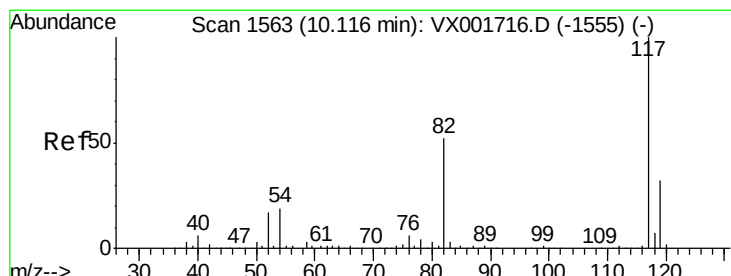
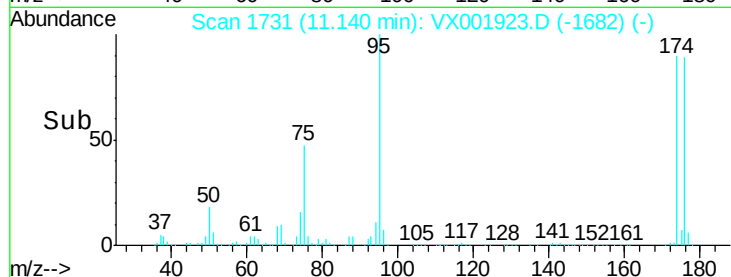
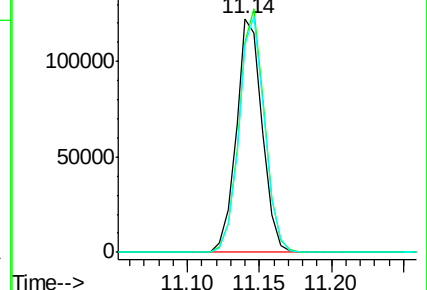
176 99.4 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001923.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001923.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001923.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

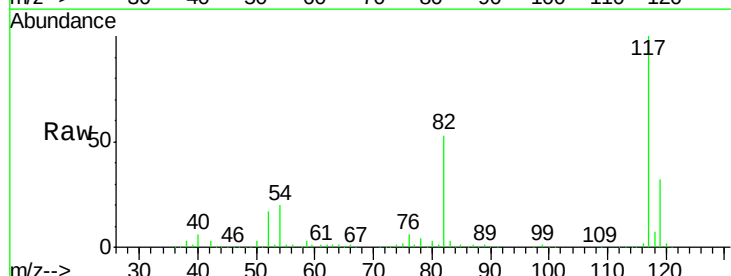
Tgt Ion: 117 Resp: 294155

Ion Ratio Lower Upper

117 100

82 52.5 41.4 62.2

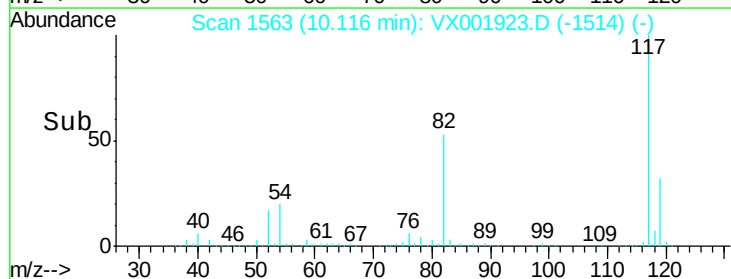
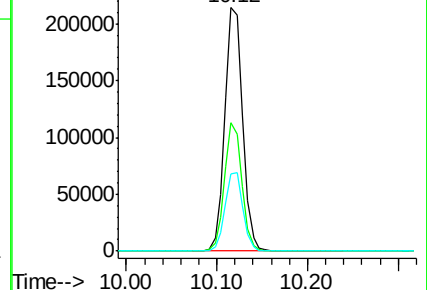
119 31.9 25.6 38.4

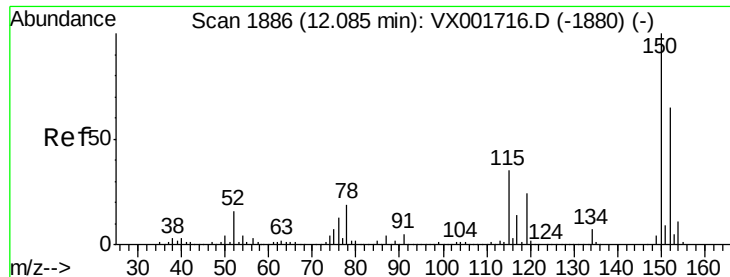


Abundance Ion 116.90 (116.60 to 117.60): VX001923.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX001923.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX001923.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: VX001923.D

Acq: 23 May 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

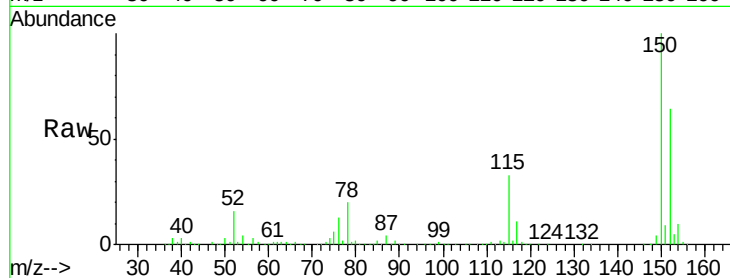
Tot Ion:152 Resp: 176115

Ion Ratio Lower Upper

152 100

115 52.2 37.4 112.2

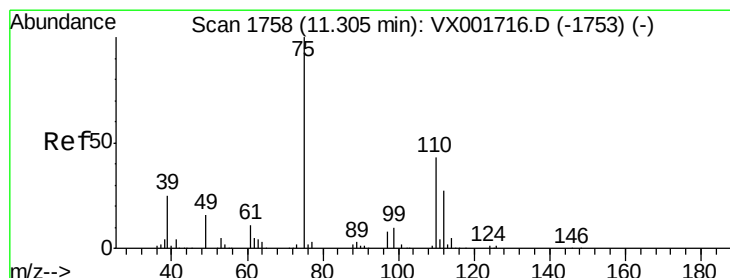
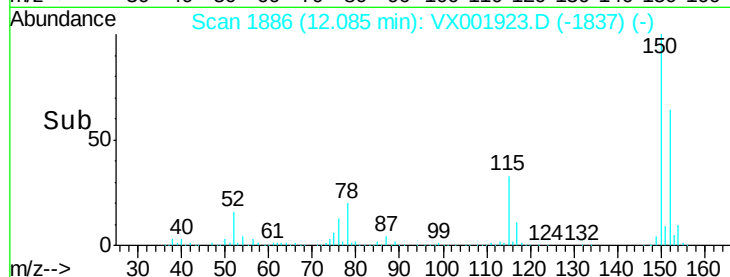
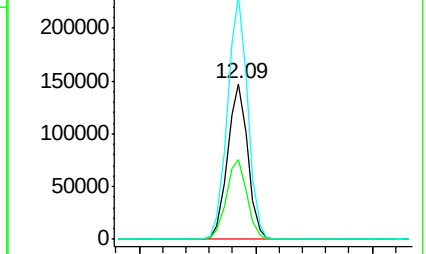
150 156.5 0.0 344.8



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: 21.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001923.D

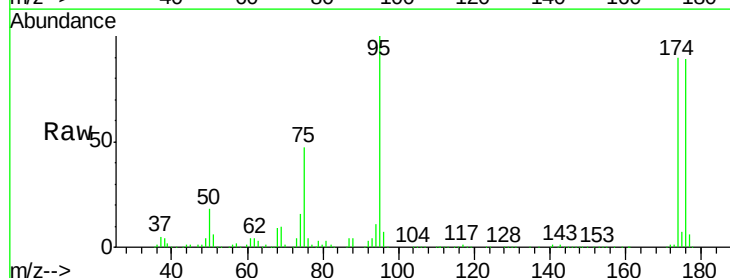
Acq: 23 May 2018 04:59

Tgt Ion: 75 Resp: 72581

Ion Ratio Lower Upper

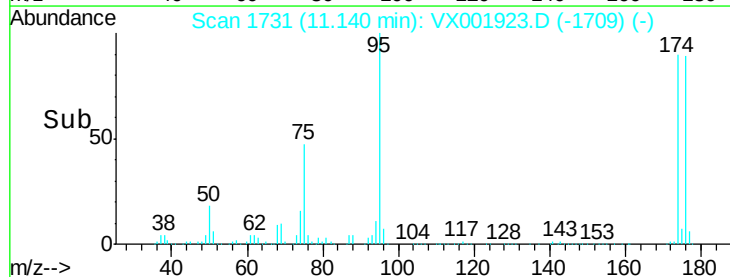
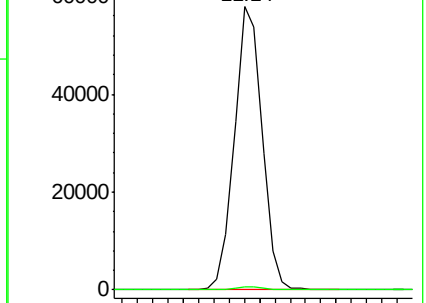
75 100

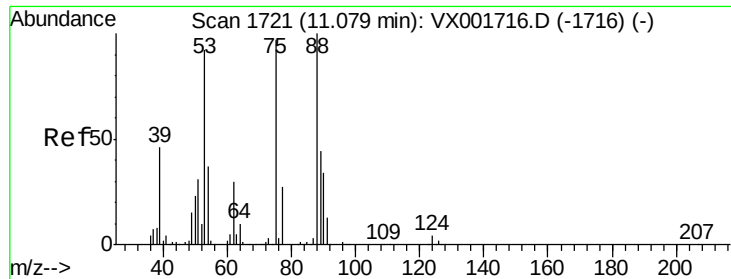
77 1.2 18.9 56.7#



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: 63.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001923.D

Acq: 23 May 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 72581

Ion Ratio Lower Upper

75 100

53 0.2 79.4 119.2#

89 0.0 38.8 58.2#

