

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001925.D
 Acq On : 23 May 2018 05:53
 Operator : JC/MD
 Sample : PB109456ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 06:47:12 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	255616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	351459	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	173232	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	162819	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	5.51	113	137175	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
50) Toluene-d8	8.72	98	496887	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
62) 4-Bromofluorobenzene	11.14	95	153593	40.16	ug/l	0.00
Spiked Amount			Recovery	=	80.32%	

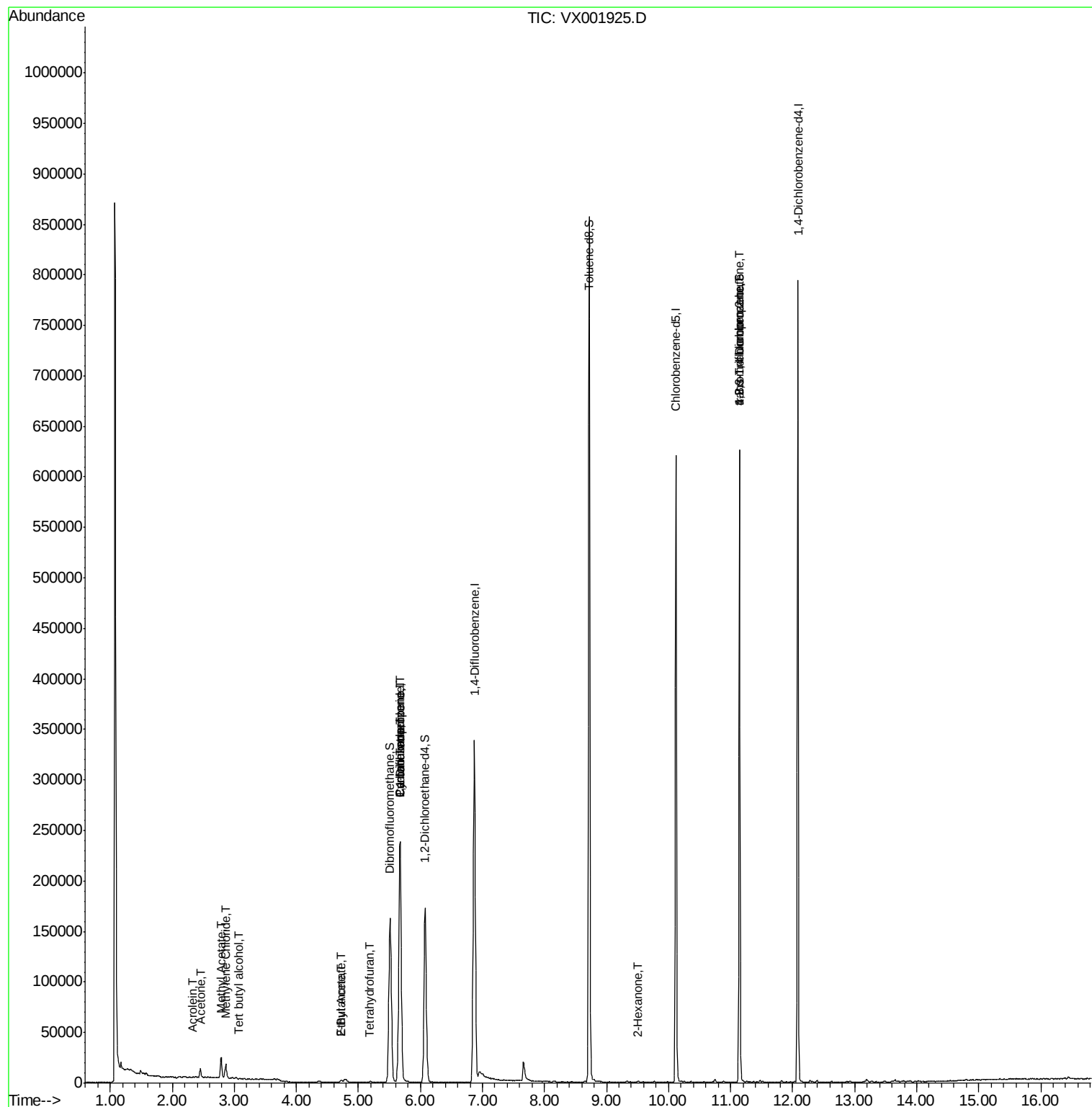
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	21	Below Cal	#	1
11) Tert butyl alcohol	3.08	59	444	0.73	ug/l #	48
13) Acrolein	2.32	56	175	0.41	ug/l	99
16) Acetone	2.45	43	9671	7.19	ug/l	93
18) Methyl Acetate	2.79	43	24548	6.24	ug/l	99
20) Methylene Chloride	2.86	84	6704	2.33	ug/l	97
25) 2-Butanone	4.72	43	4211	2.04	ug/l	94
29) Tetrahydrofuran	5.18	42	980	0.73	ug/l #	61
31) Cyclohexane	5.67	56	4184	0.97	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15539	3.84	ug/l #	49
37) Ethyl Acetate	4.72	43	4211	1.00	ug/l #	68
38) Carbon Tetrachloride	5.67	117	21459	5.06	ug/l #	17
59) 2-Hexanone	9.51	43	749	0.25	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	72746	22.08	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	72746	64.77	ug/l #	10

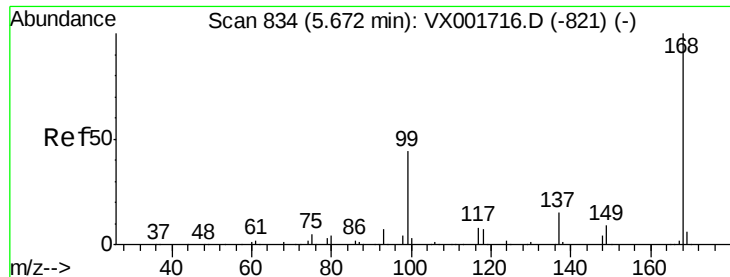
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001925.D

Acq: 23 May 2018 05:53

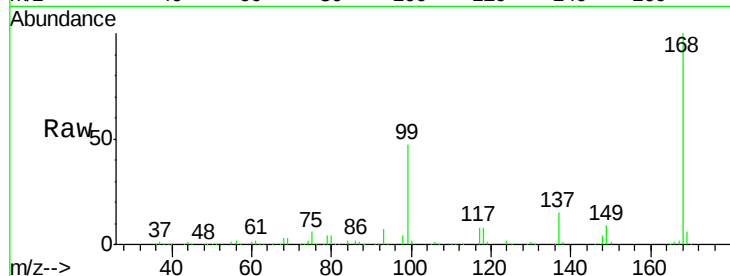
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 255616

Ion Ratio Lower Upper

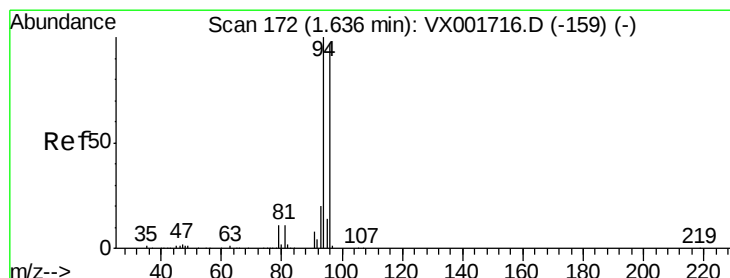
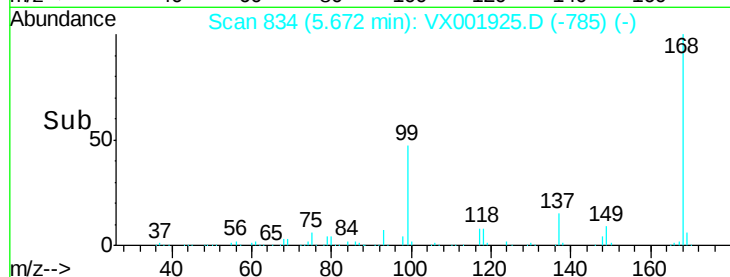
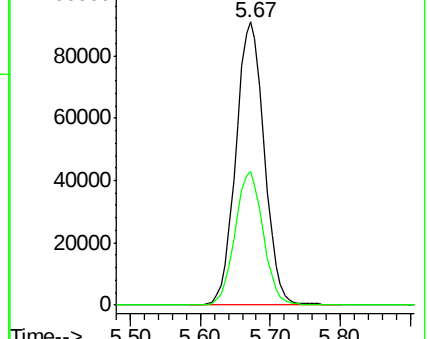
168 100

99 47.4 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: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX001925.D

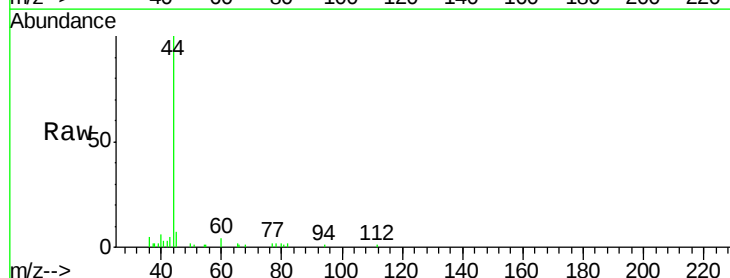
Acq: 23 May 2018 05:53

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

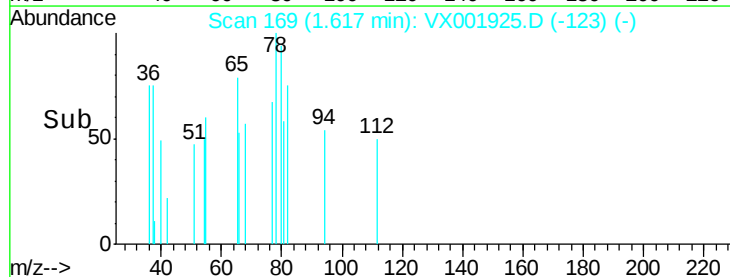
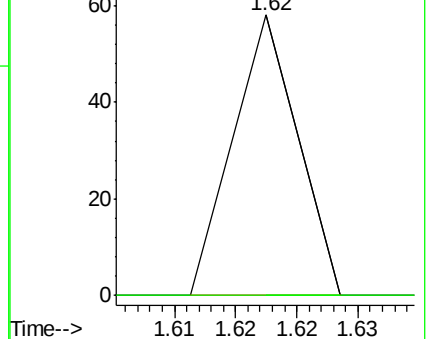
94 100

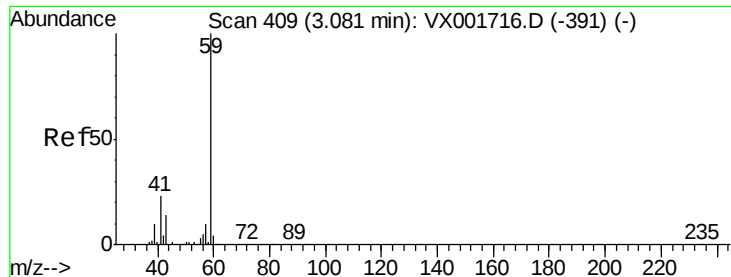
96 0.0 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



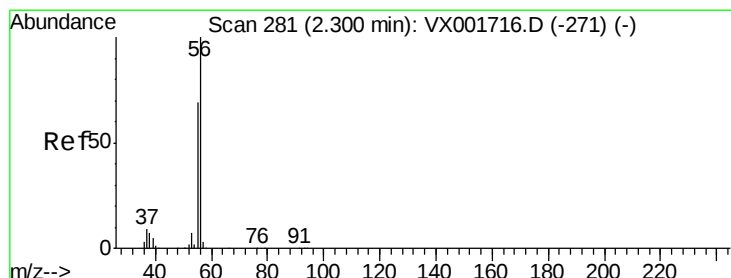
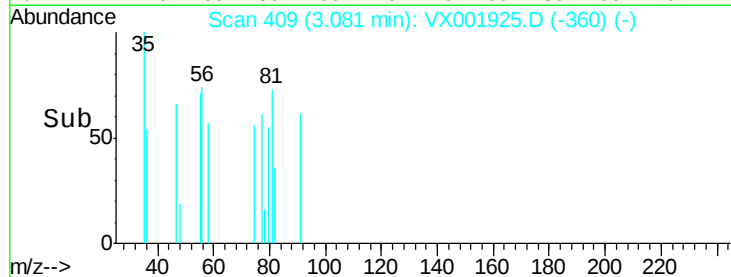
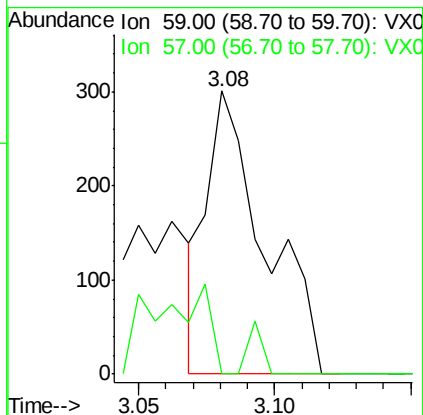
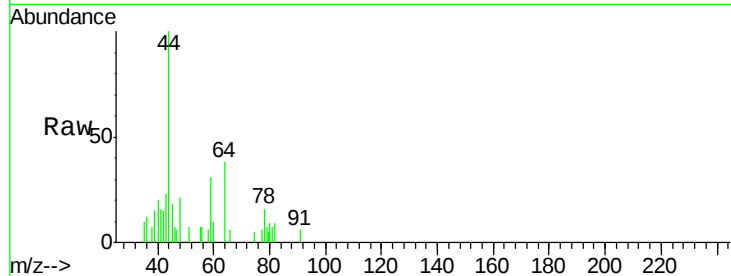


#11

Tert butyl alcohol
 Concen: 0.73 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX001925.D
 Acq: 23 May 2018 05:53

Instrument :
 MSVOA_X
 ClientSampled :

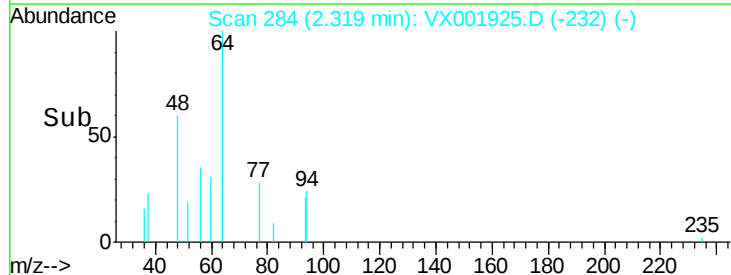
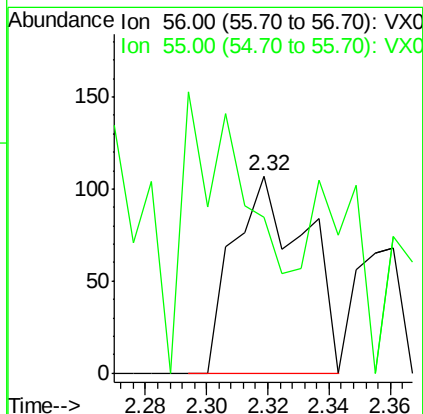
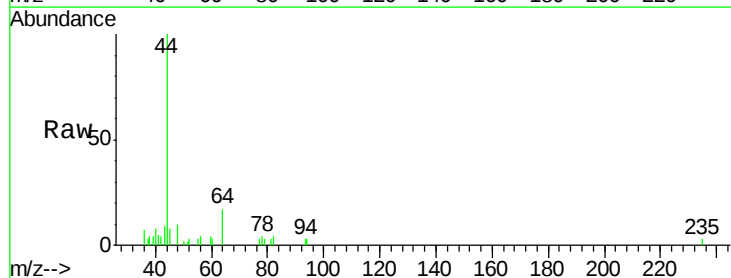
Tot Ion: 59 Resp: 444
 Ion Ratio Lower Upper
 59 100
 57 30.2 8.5 12.7#

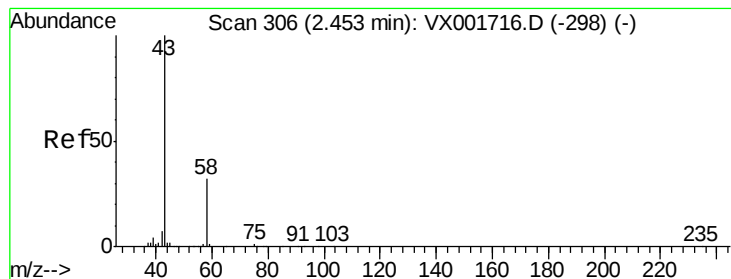


#13

Acrolein
 Concen: 0.41 ug/l
 RT: 2.32 min Scan# 284
 Delta R.T. 0.02 min
 Lab File: VX001925.D
 Acq: 23 May 2018 05:53

Tgt Ion: 56 Resp: 175
 Ion Ratio Lower Upper
 56 100
 55 70.9 56.2 84.2





#16

Acetone

Concen: 7.19 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001925.D

Acq: 23 May 2018 05:53

Instrument :

MSVOA_X

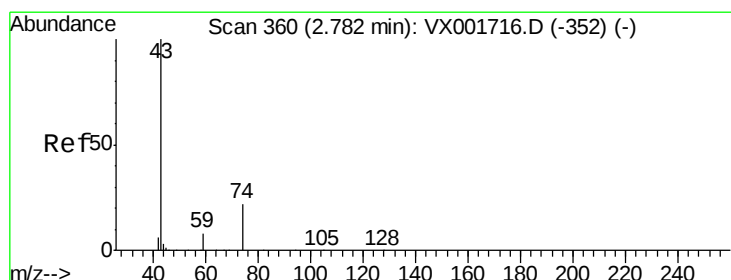
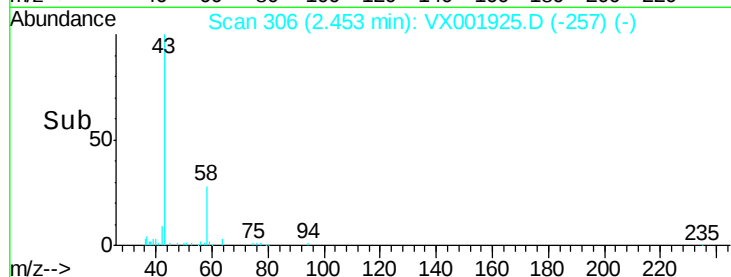
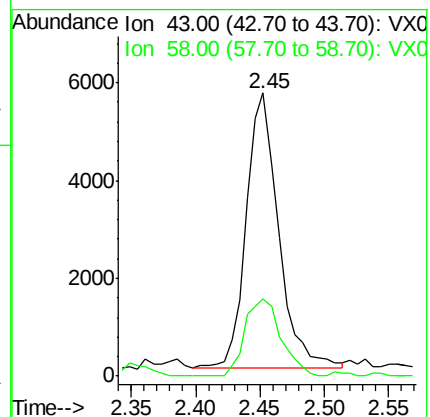
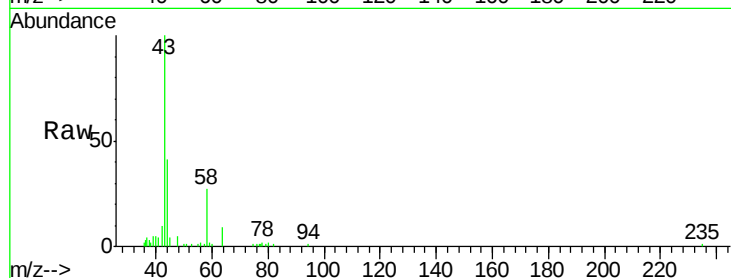
ClientSampleId :

Tot Ion: 43 Resp: 9671

Ion Ratio Lower Upper

43 100

58 28.0 25.3 37.9



#18

Methyl Acetate

Concen: 6.24 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001925.D

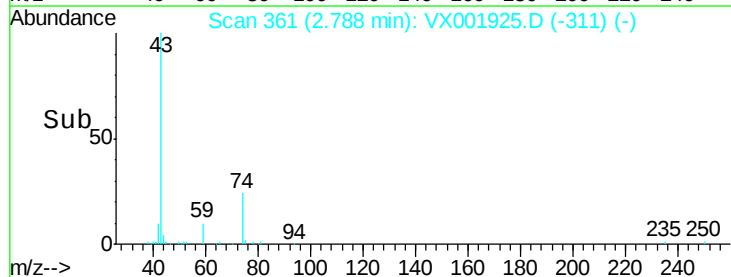
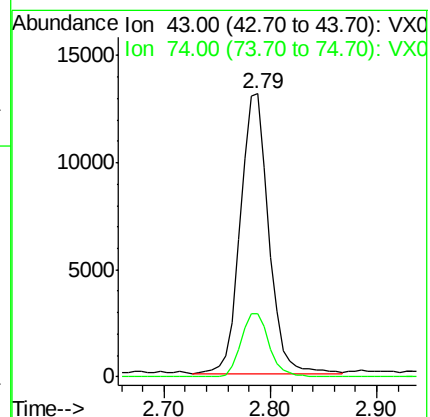
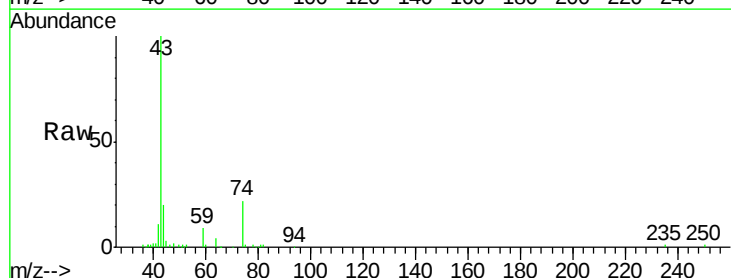
Acq: 23 May 2018 05:53

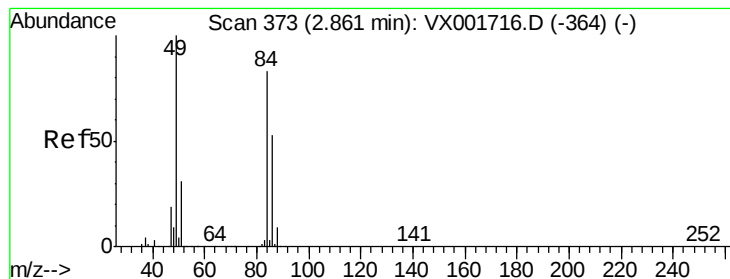
Tgt Ion: 43 Resp: 24548

Ion Ratio Lower Upper

43 100

74 22.3 18.2 27.2





#20

Methvlene Chloride

Concen: 2.33 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

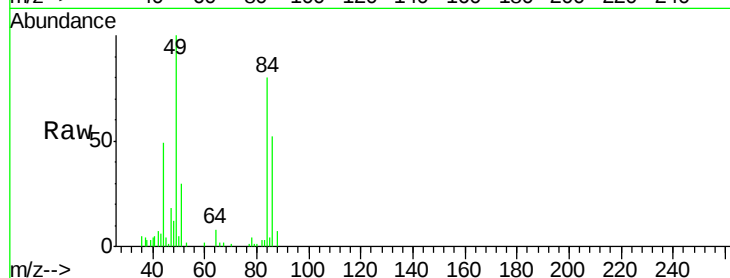
Lab File: VX001925.D

Acq: 23 May 2018 05:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 6704

Ion	Ratio	Lower	Upper
84	100		
49	124.7	96.3	144.5
51	35.9	29.8	44.6
86	65.0	51.0	76.6

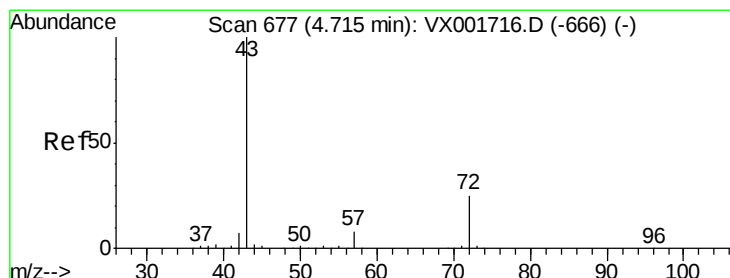
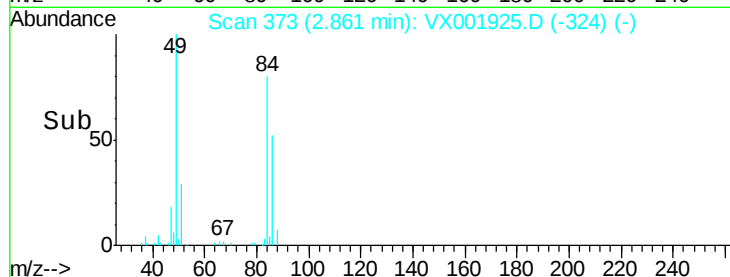
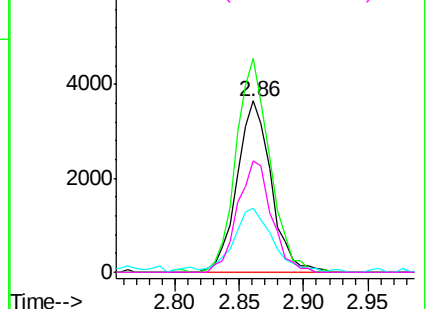


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 2.04 ug/l

RT: 4.72 min Scan# 678

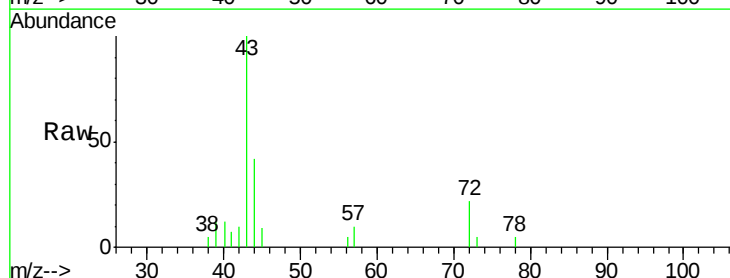
Delta R.T. 0.01 min

Lab File: VX001925.D

Acq: 23 May 2018 05:53

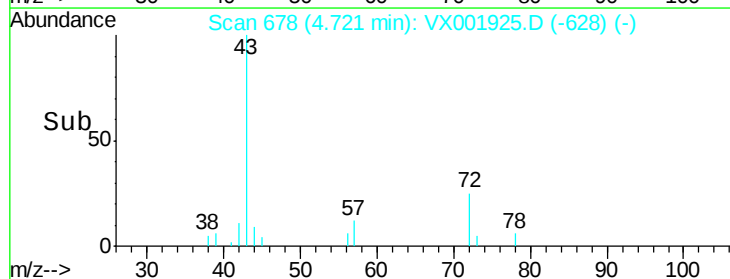
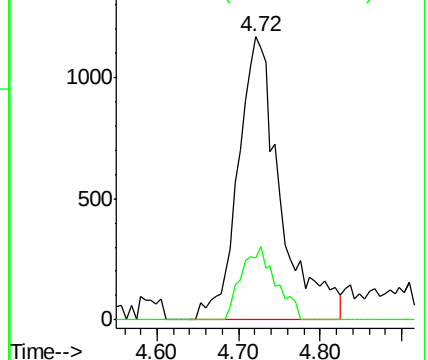
Tgt Ion: 43 Resp: 4211

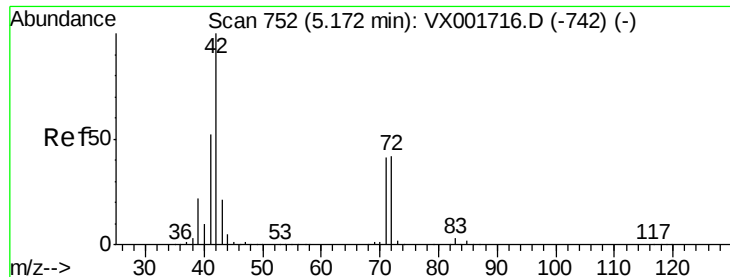
Ion	Ratio	Lower	Upper
43	100		
72	21.8	19.8	29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

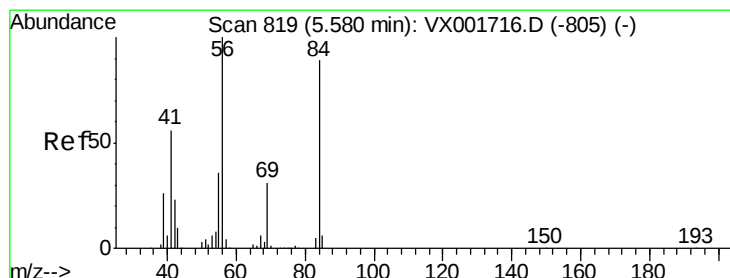
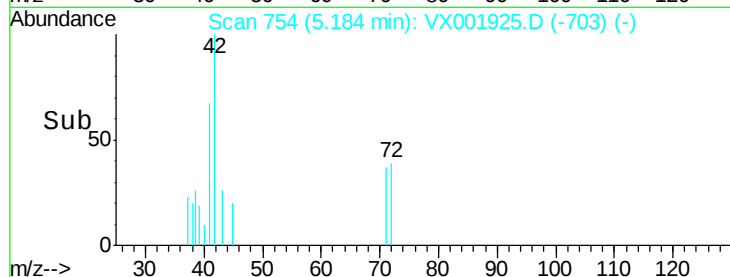
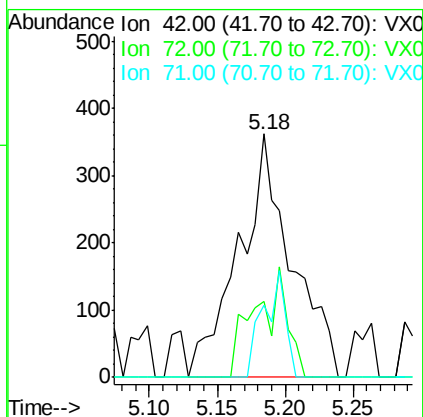
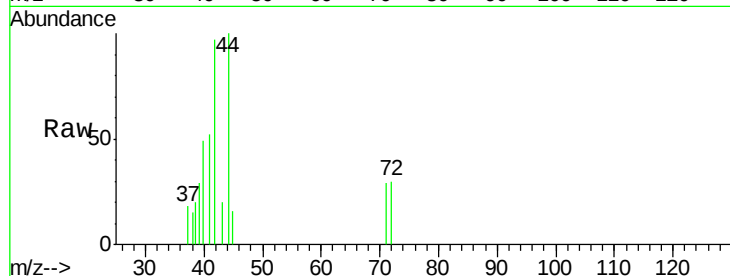




#29
Tetrahydrofuran
Concen: 0.73 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001925.D
Acq: 23 May 2018 05:53

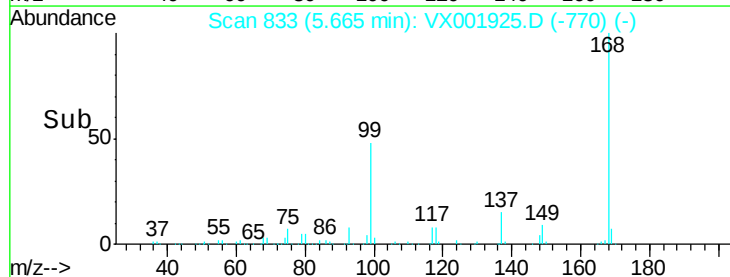
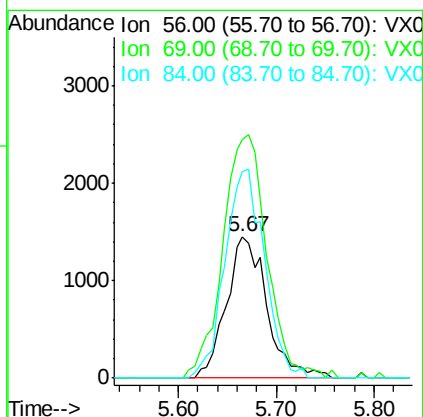
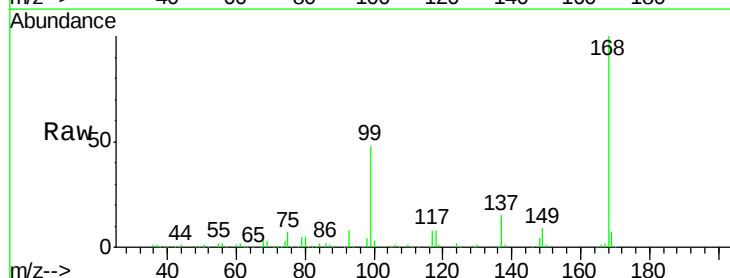
Instrument :
MSVOA_X
ClientSampled :

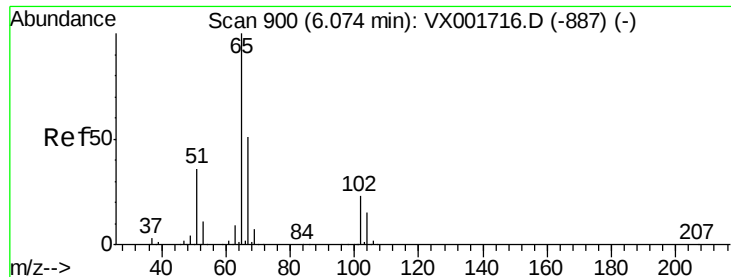
Tot Ion: 42 Resp: 980
Ion Ratio Lower Upper
42 100
72 17.0 35.4 53.2#
71 18.5 33.2 49.8#



#31
Cyclohexane
Concen: 0.97 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001925.D
Acq: 23 May 2018 05:53

Tgt Ion: 56 Resp: 4184
Ion Ratio Lower Upper
56 100
69 167.9 25.0 37.6#
84 145.3 71.0 106.4#

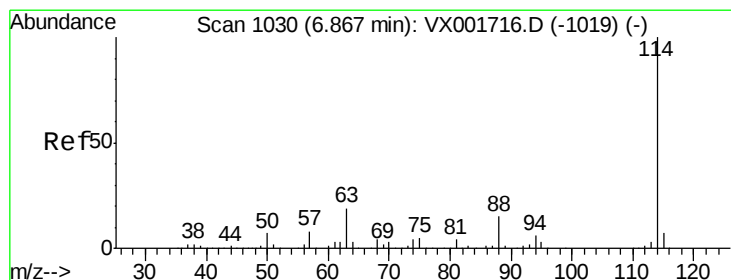
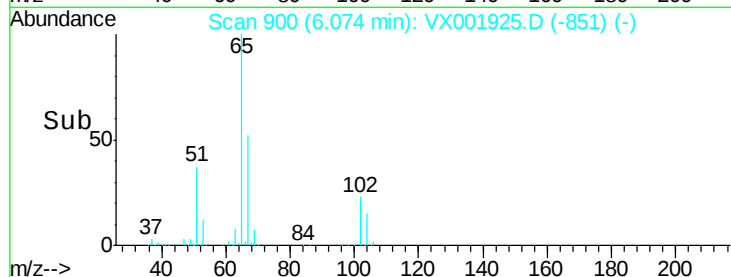
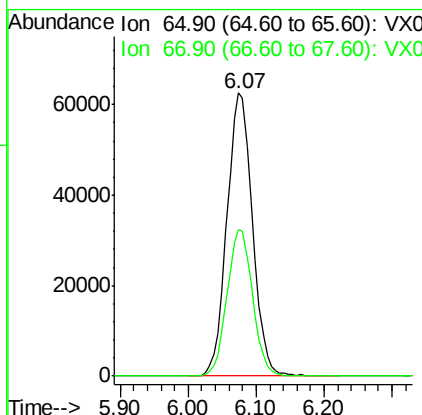
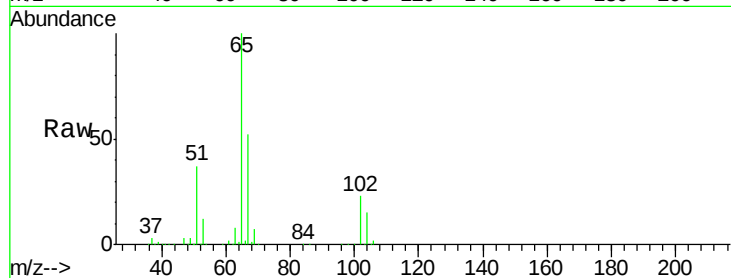




#33
 1,2-Dichloroethane-d4
 Concen: 47.52 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001925.D
 Acq: 23 May 2018 05:53

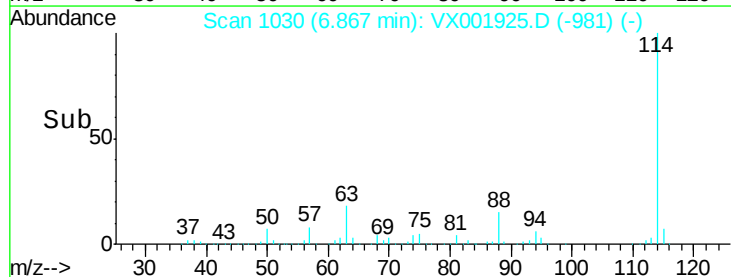
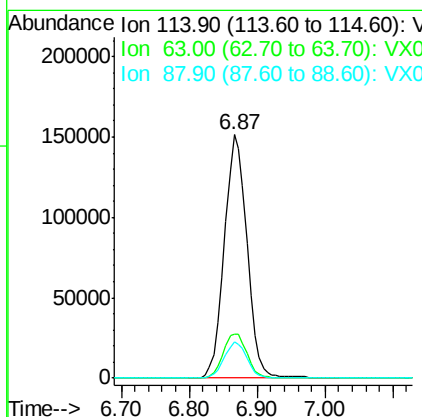
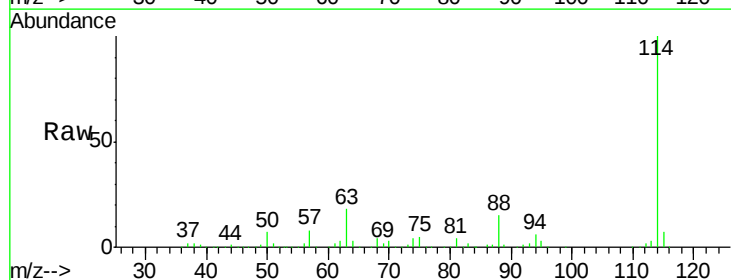
Instrument :
 MSVOA_X
 ClientSampleId :

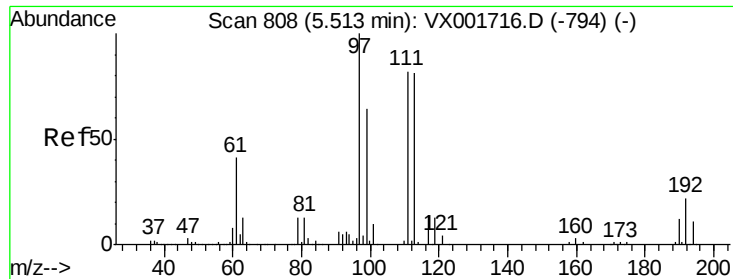
Tot Ion: 65 Resp: 162819
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001925.D
 Acq: 23 May 2018 05:53

Tgt Ion: 114 Resp: 351459
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 37.0
 88 15.1 0.0 29.8

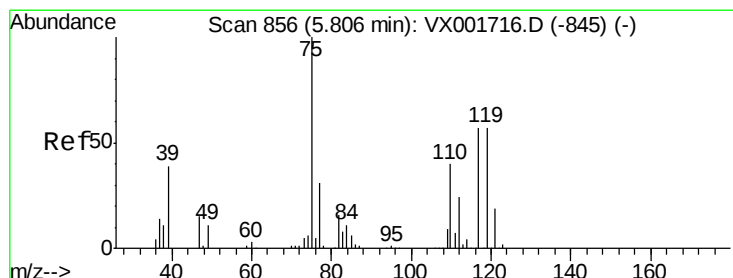
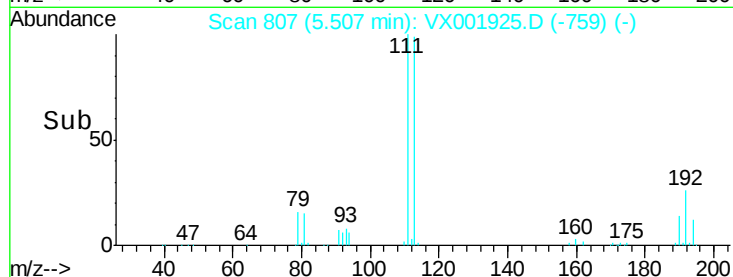
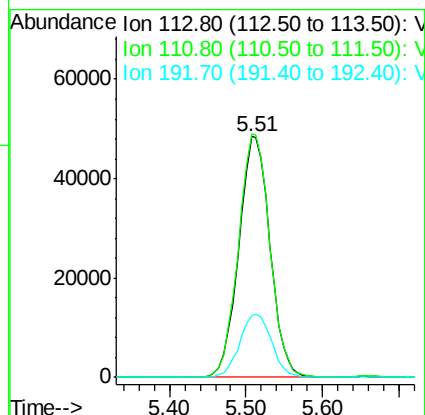
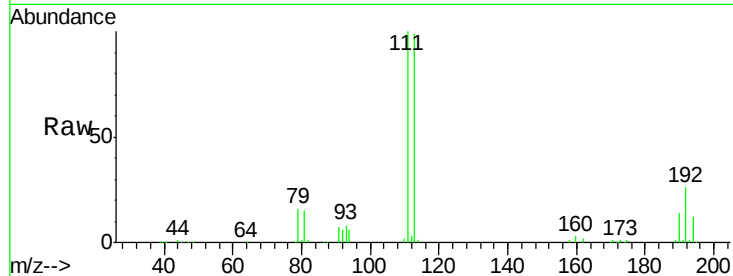




#35
 Dibromofluoromethane
 Concen: 46.25 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001925.D
 Acq: 23 May 2018 05:53

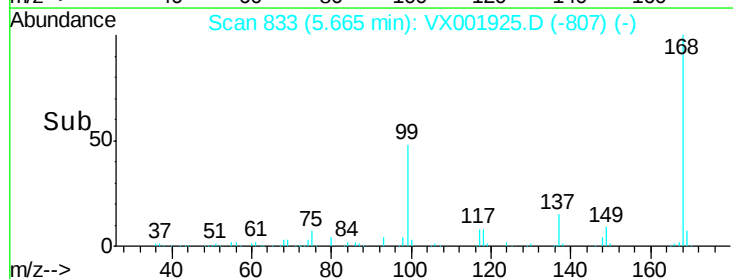
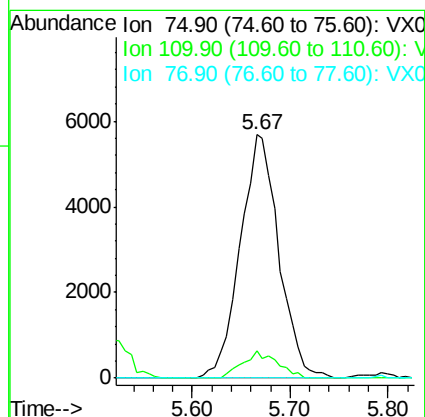
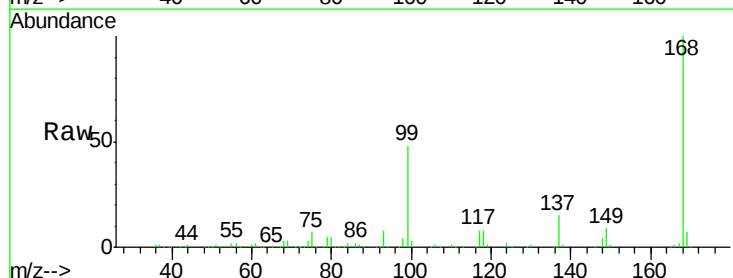
Instrument :
 MSVOA_X
 ClientSampleId :

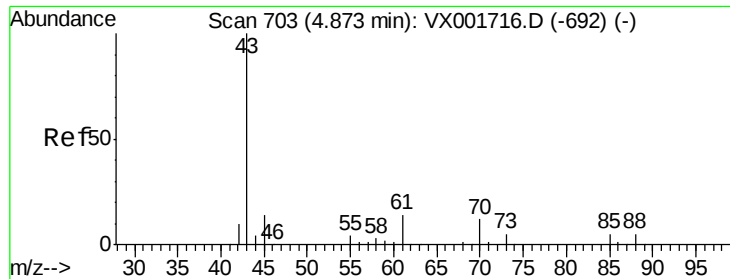
Tot Ion:113 Resp: 137175
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.0 123.0
 192 26.6 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.84 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001925.D
 Acq: 23 May 2018 05:53

Tgt Ion: 75 Resp: 15539
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.1 57.1#
 77 0.0 24.6 37.0#

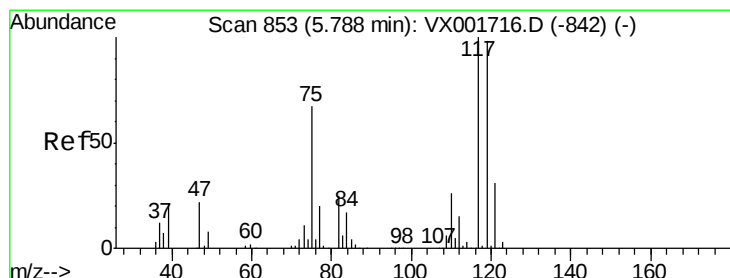
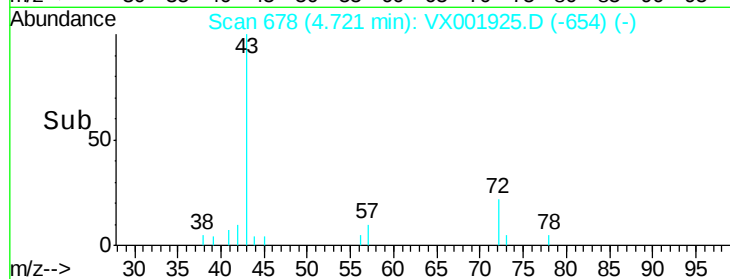
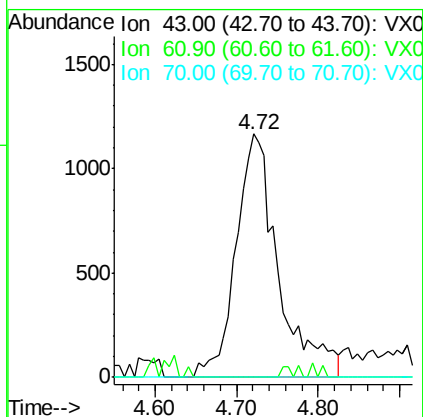
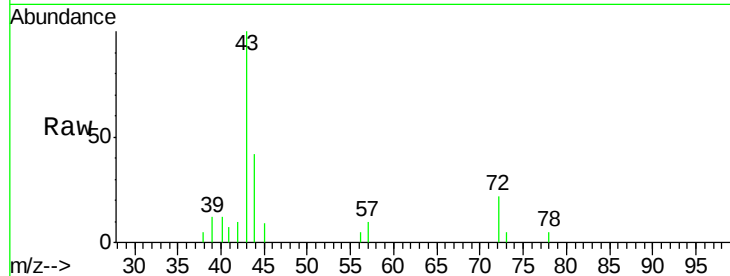




#37
Ethyl Acetate
Concen: 1.00 ug/l
RT: 4.72 min Scan# 678
Delta R.T. -0.15 min
Lab File: VX001925.D
Acq: 23 May 2018 05:53

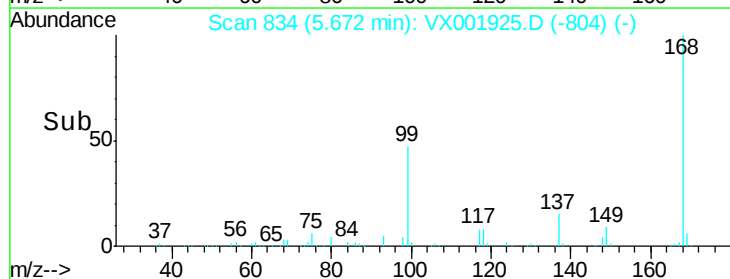
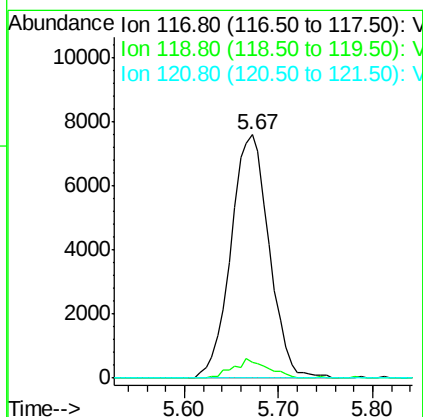
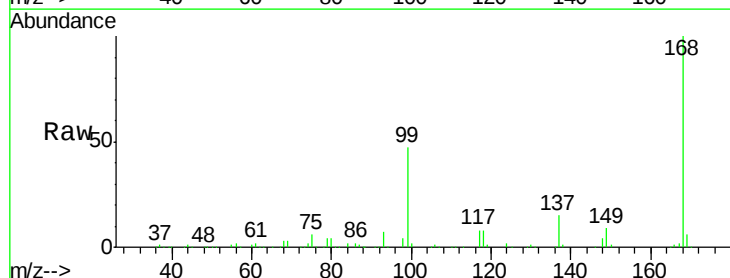
Instrument :
MSVOA_X
ClientSampleId :

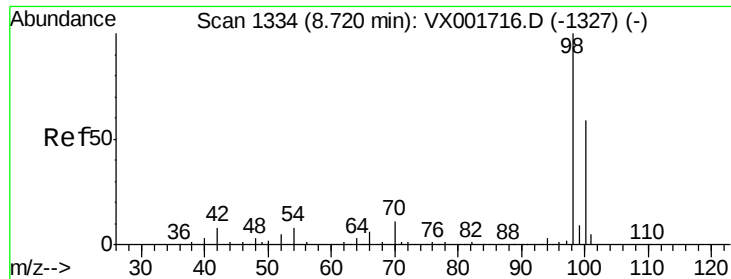
Tot Ion: 43 Resp: 4211
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.06 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001925.D
Acq: 23 May 2018 05:53

Tgt Ion: 117 Resp: 21459
Ion Ratio Lower Upper
117 100
119 6.4 77.6 116.4#
121 0.0 24.6 36.8#

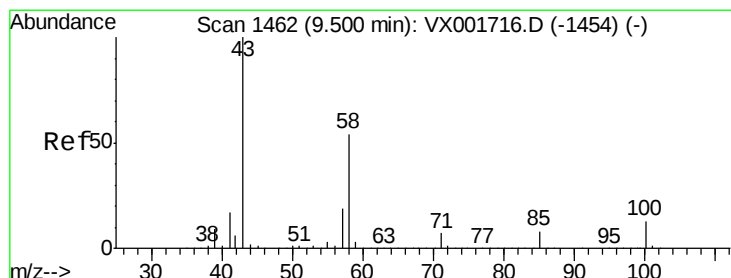
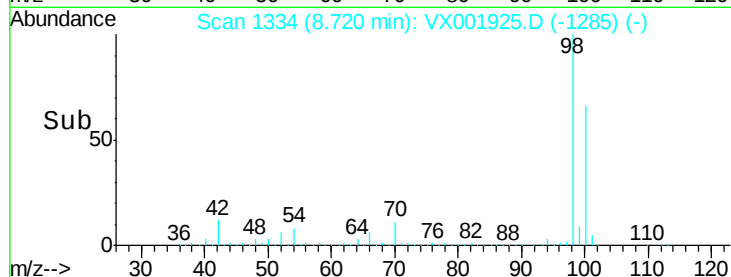
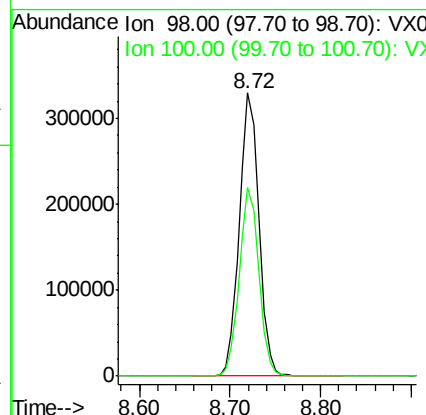
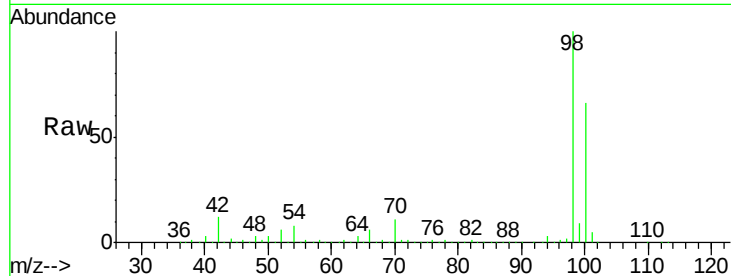




#50
Toluene-d8
Concen: 46.78 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001925.D
Acq: 23 May 2018 05:53

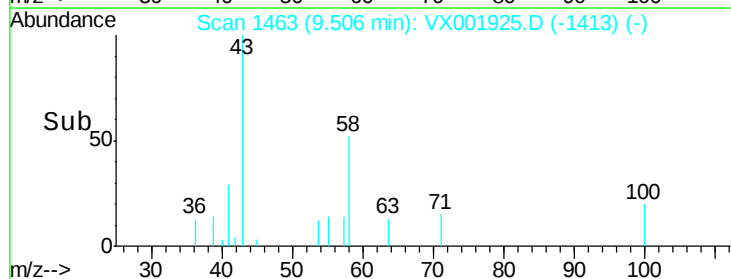
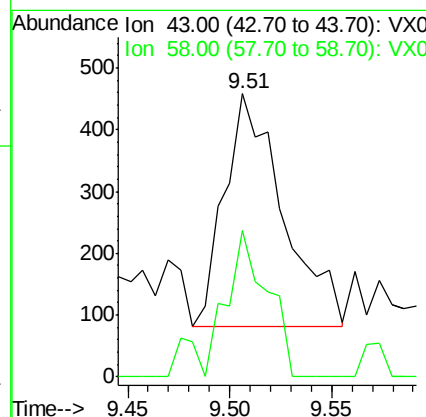
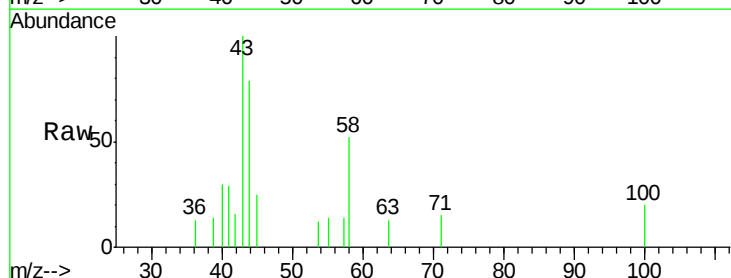
Instrument :
MSVOA_X
ClientSampleId :

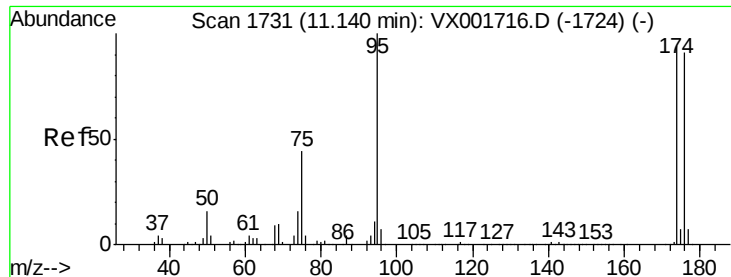
Tot Ion: 98 Resp: 496887
Ion Ratio Lower Upper
98 100
100 66.3 54.0 81.0



#59
2-Hexanone
Concen: 0.25 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001925.D
Acq: 23 May 2018 05:53

Tgt Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
58 49.4 27.7 83.1





#62

4-Bromofluorobenzene

Concen: 40.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001925.D

Acq: 23 May 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

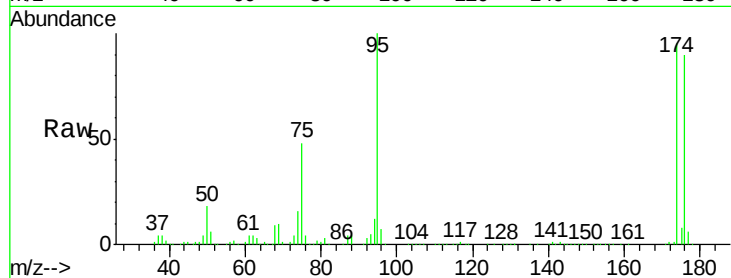
Tot Ion: 95 Resp: 153593

Ion Ratio Lower Upper

95 100

174 103.8 0.0 201.8

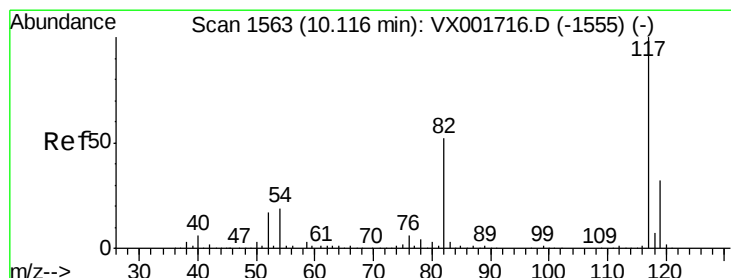
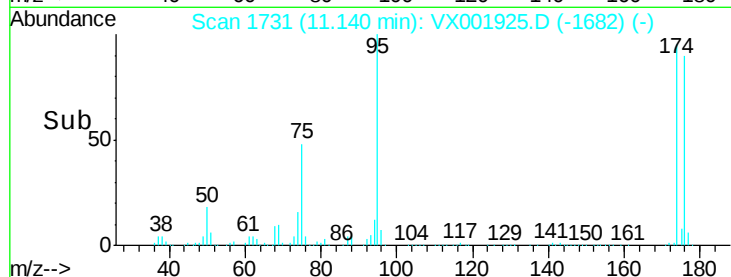
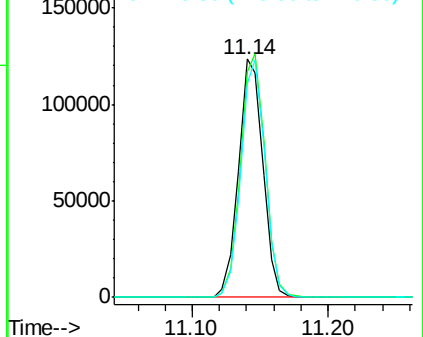
176 99.2 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001925.D

Acq: 23 May 2018 05:53

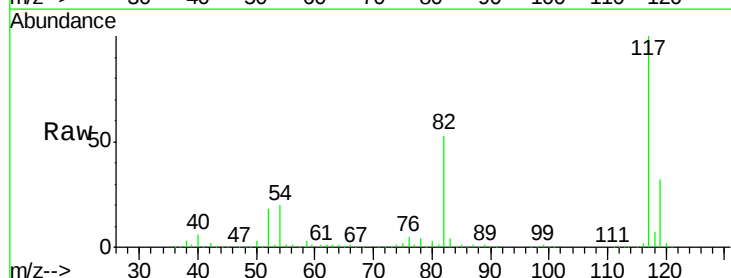
Tgt Ion: 117 Resp: 295856

Ion Ratio Lower Upper

117 100

82 52.7 41.4 62.2

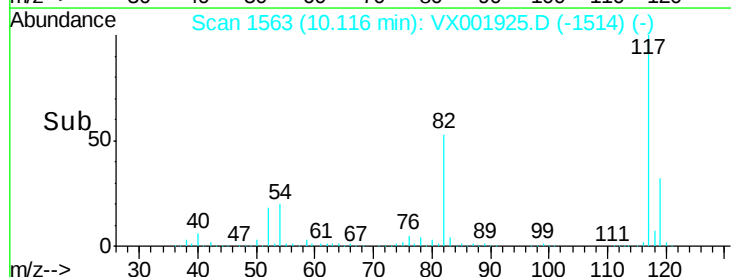
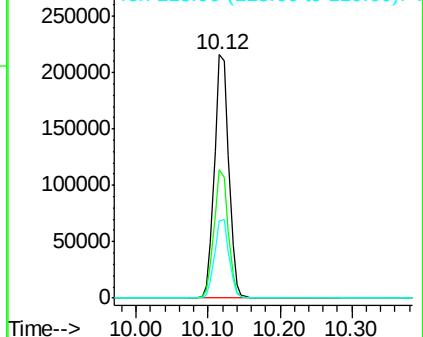
119 31.7 25.6 38.4

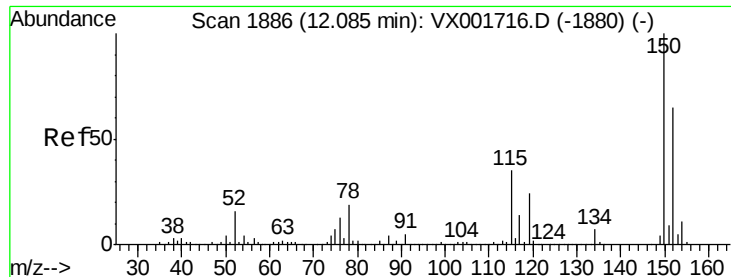


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001925.D

Acq: 23 May 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

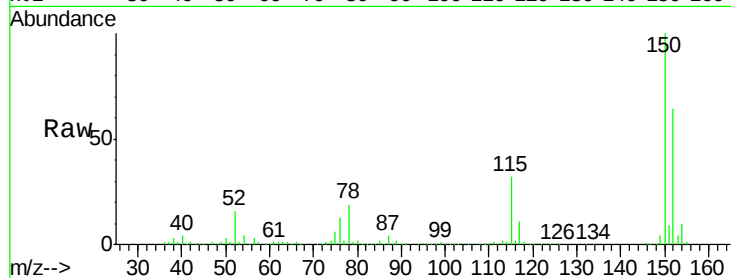
Tot Ion:152 Resp: 173232

Ion Ratio Lower Upper

152 100

115 51.8 37.4 112.2

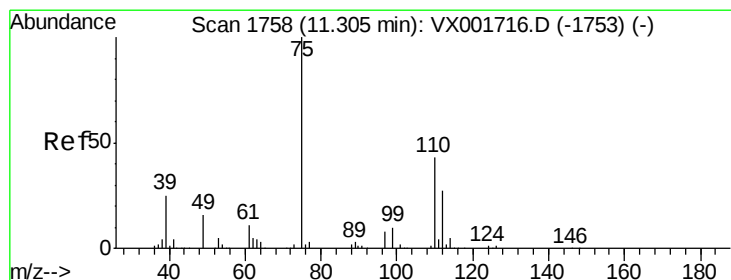
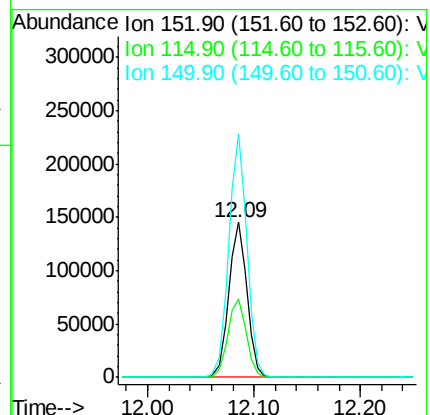
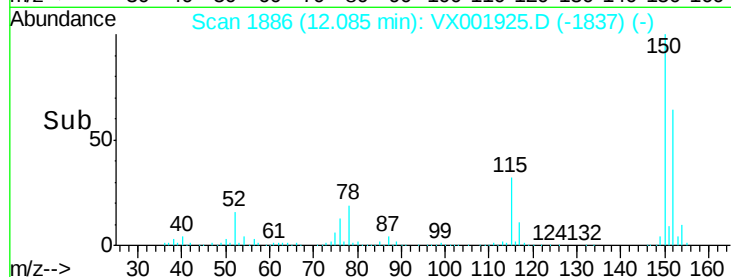
150 156.5 0.0 344.8



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: 22.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001925.D

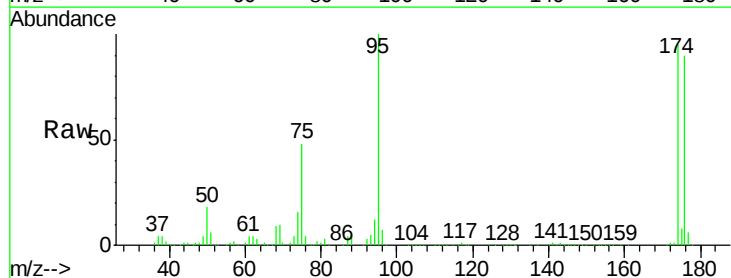
Acq: 23 May 2018 05:53

Tgt Ion: 75 Resp: 72746

Ion Ratio Lower Upper

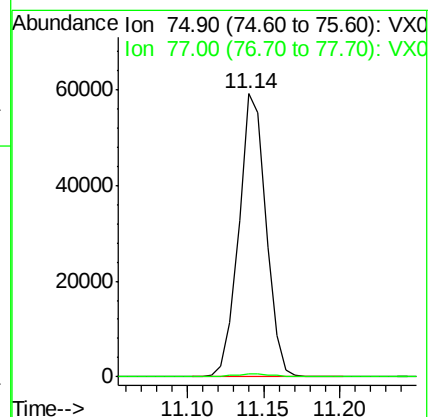
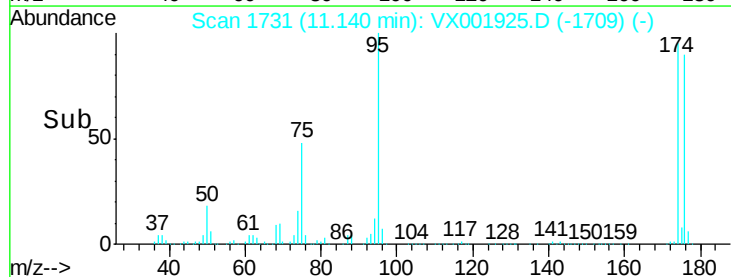
75 100

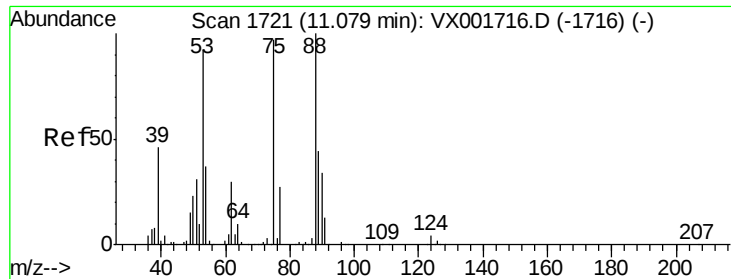
77 1.4 18.9 56.7#



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: 64.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

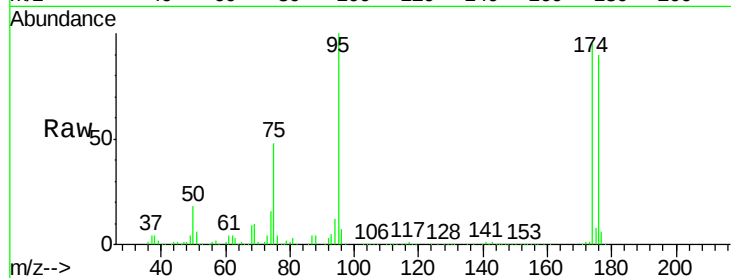
Lab File: VX001925.D

Acq: 23 May 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :



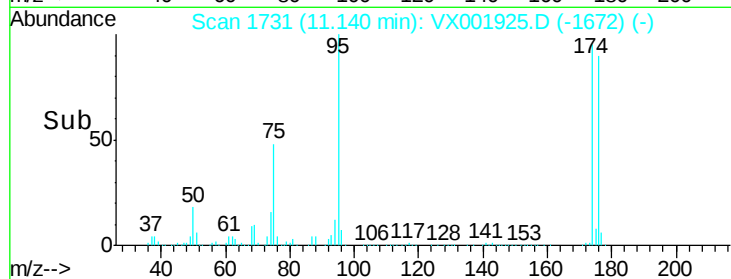
Tot Ion: 75 Resp: 72746

Ion Ratio Lower Upper

75 100

53 0.3 79.4 119.2#

89 0.0 38.8 58.2#



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

