

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001903.D
 Acq On : 22 May 2018 19:37
 Operator : JC/MD
 Sample : PB109525ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:17:31 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	234978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	315042	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	259171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	112288	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	150951	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	5.51	113	125153	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
50) Toluene-d8	8.72	98	439299	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
62) 4-Bromofluorobenzene	11.14	95	120339	35.10	ug/l	0.00
Spiked Amount			Recovery	=	70.20%	

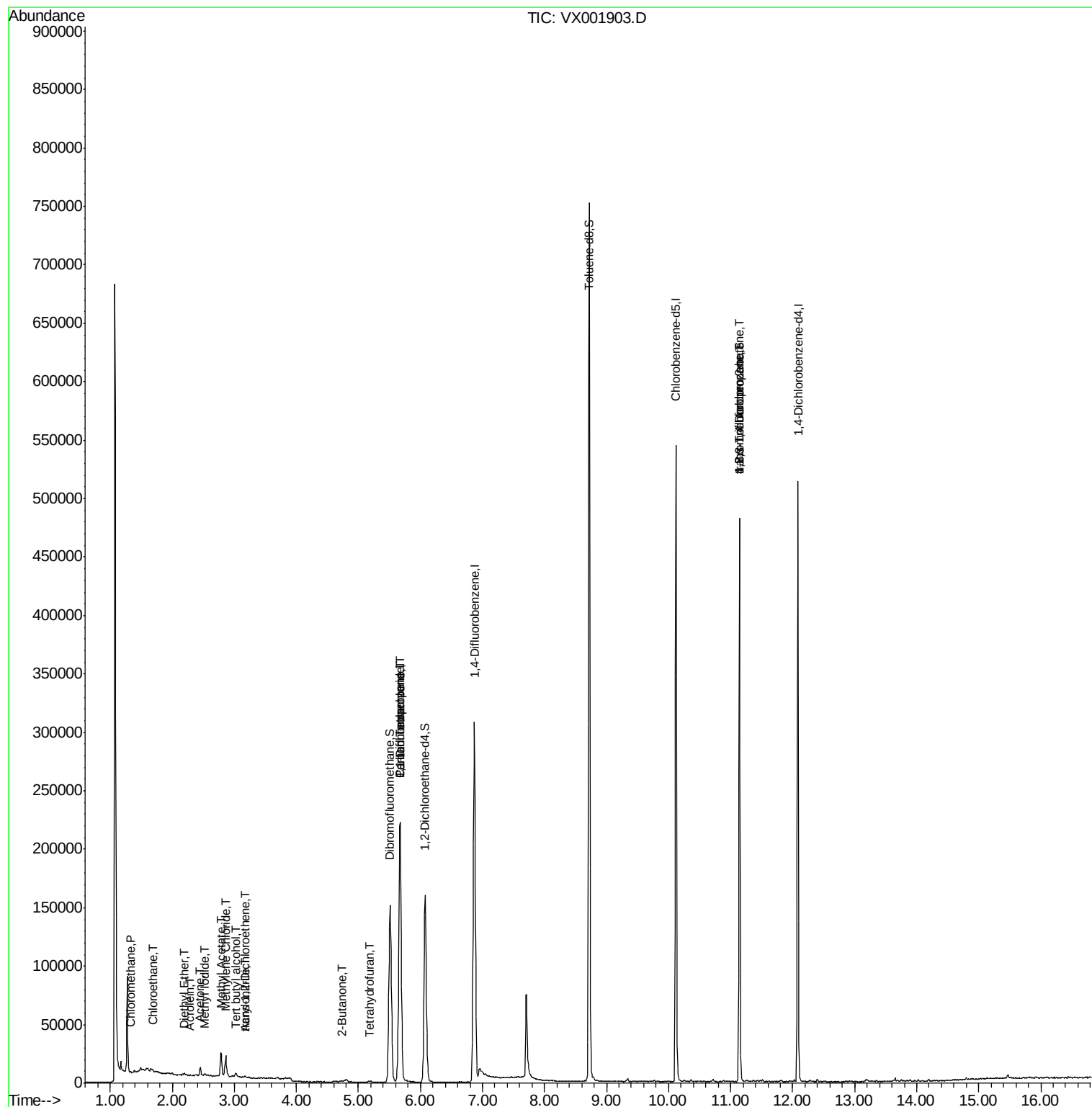
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	577	0.23	ug/l #	63
5) Bromomethane	1.61	94	203	Below Cal	#	1
6) Chloroethane	1.69	64	504	0.29	ug/l #	43
8) Diethyl Ether	2.19	74	547	0.33	ug/l	77
10) Methyl Iodide	2.52	142	1993	0.90	ug/l #	91
11) Tert butyl alcohol	3.02	59	1766	3.16	ug/l #	80
13) Acrolein	2.29	56	128	0.32	ug/l	99
15) Acrylonitrile	3.17	53	469	0.33	ug/l #	78
16) Acetone	2.45	43	7689	6.22	ug/l	98
18) Methyl Acetate	2.78	43	24781	6.85	ug/l	99
20) Methylene Chloride	2.86	84	8077	3.05	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	517	0.20	ug/l #	70
25) 2-Butanone	4.73	43	2076	1.10	ug/l #	77
29) Tetrahydrofuran	5.17	42	394	0.32	ug/l #	33
36) 1,1-Dichloropropene	5.67	75	14881	4.10	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20087	5.29	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	57419	26.89	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	57419	78.15	ug/l #	10

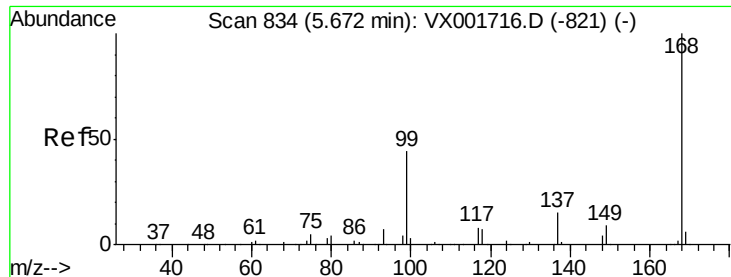
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX001903.D

Acq: 22 May 2018 19:37

Instrument :

MSVOA_X

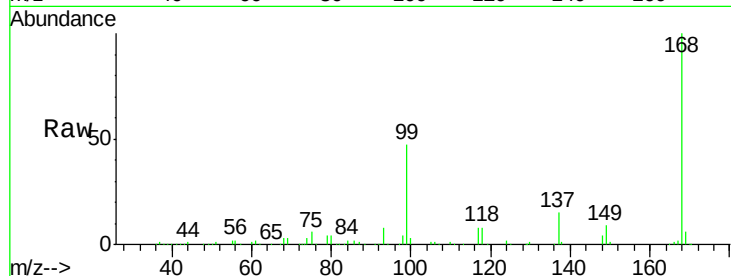
ClientSampleId :

Tot Ion:168 Resp: 234978

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

5.67

80000

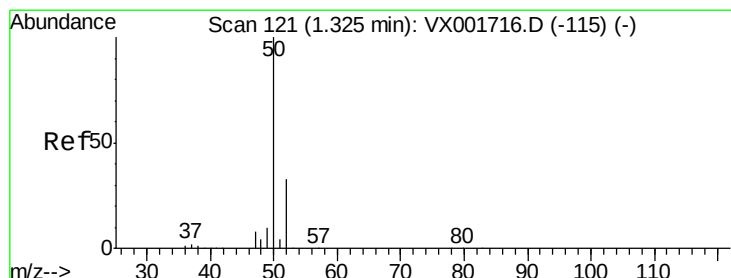
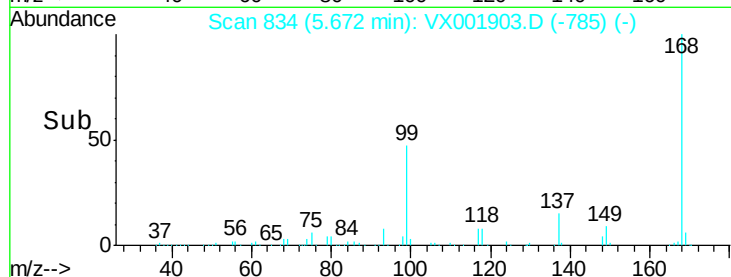
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001903.D

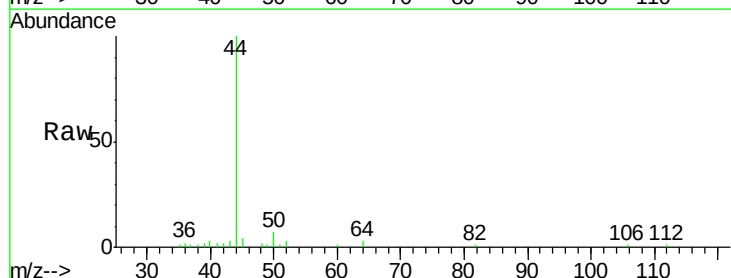
Acq: 22 May 2018 19:37

Tgt Ion: 50 Resp: 577

Ion Ratio Lower Upper

50 100

52 53.8 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

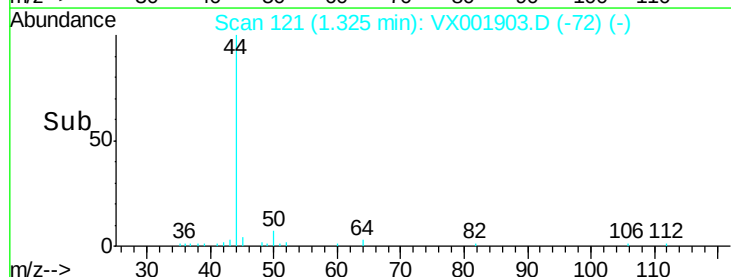
300

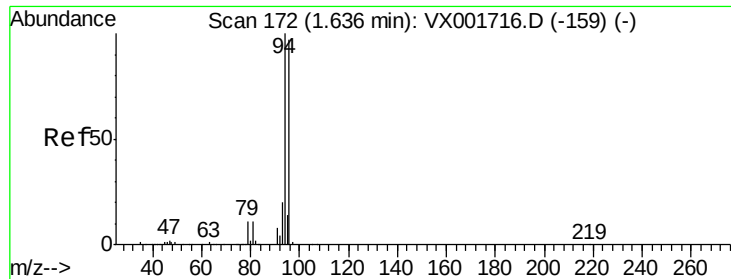
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX001903.D

Acq: 22 May 2018 19:37

Instrument :

MSVOA_X

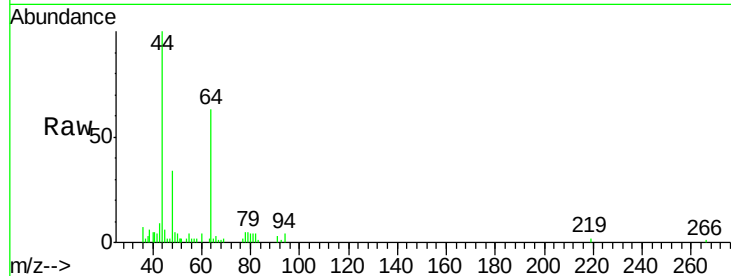
ClientSampleId :

Tot Ion: 94 Resp: 203

Ion Ratio Lower Upper

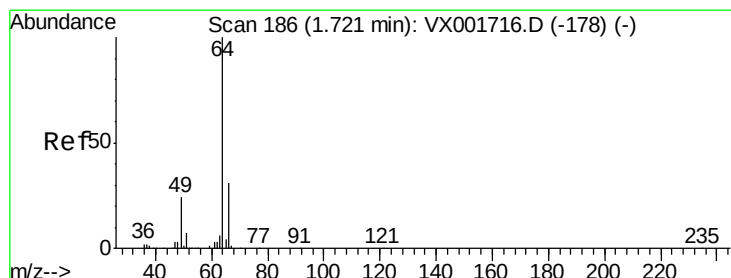
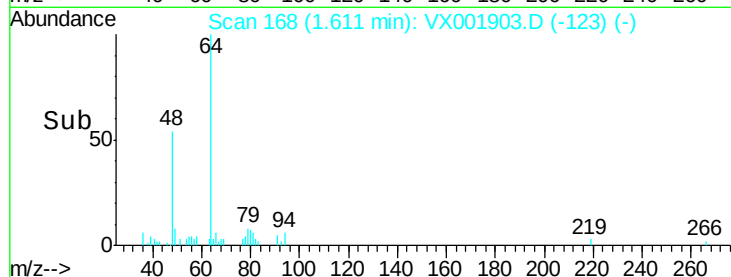
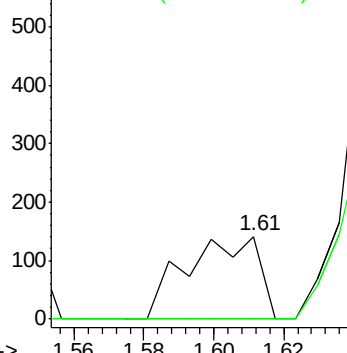
94 100

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



#6

Chloroethane

Concen: 0.29 ug/l

RT: 1.69 min Scan# 181

Delta R.T. -0.03 min

Lab File: VX001903.D

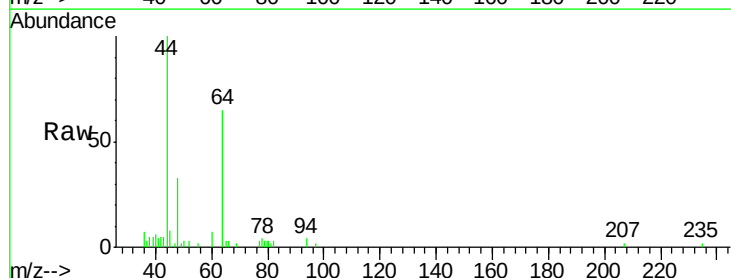
Acq: 22 May 2018 19:37

Tgt Ion: 64 Resp: 504

Ion Ratio Lower Upper

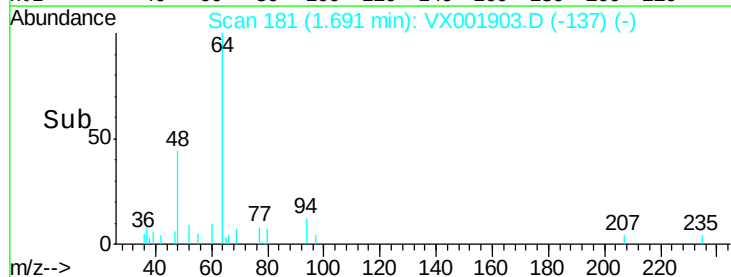
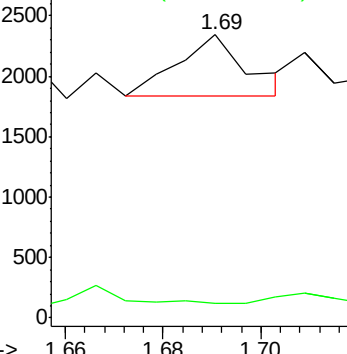
64 100

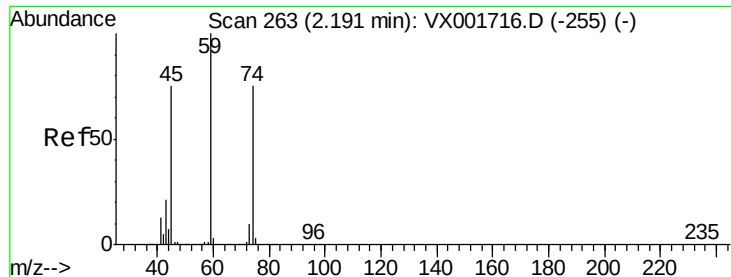
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.33 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001903.D

Acq: 22 May 2018 19:37

Instrument :

MSVOA_X

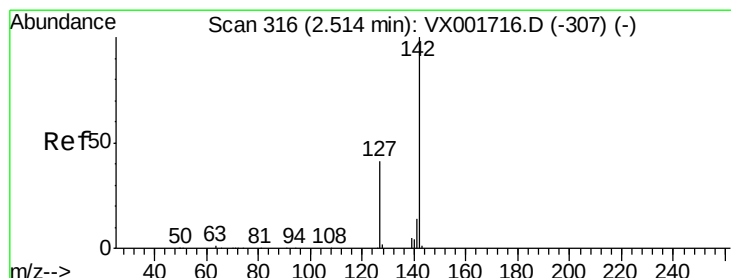
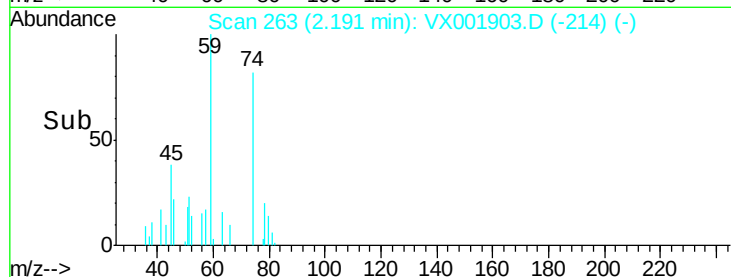
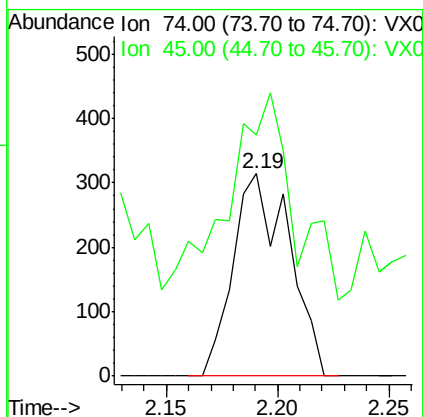
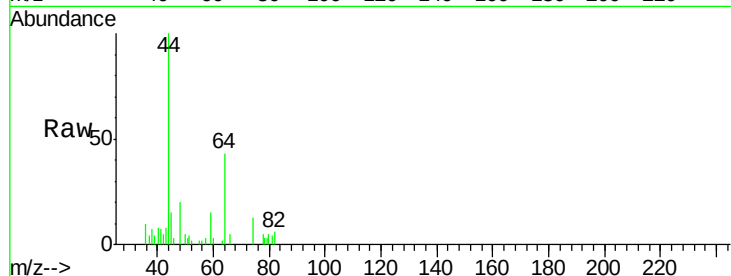
ClientSampled :

Tot Ion: 74 Resp: 547

Ion Ratio Lower Upper

74 100

45 122.9 50.0 149.8



#10

Methyl Iodide

Concen: 0.90 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001903.D

Acq: 22 May 2018 19:37

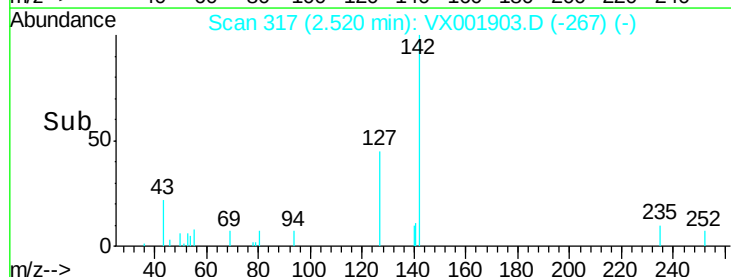
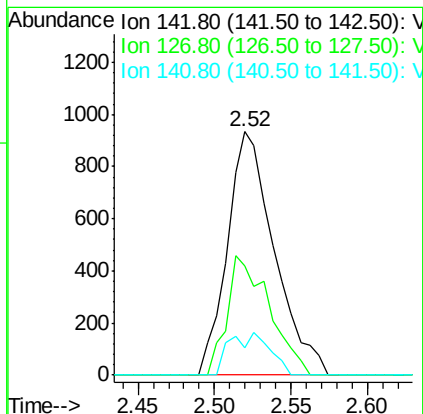
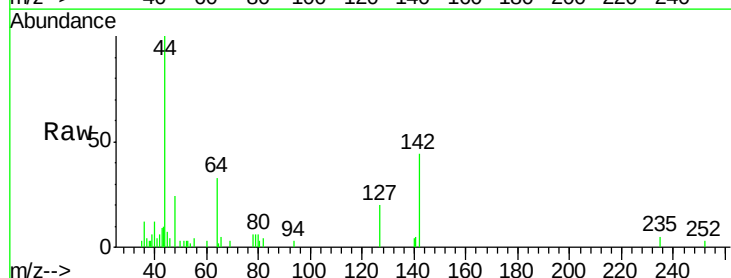
Tgt Ion: 142 Resp: 1993

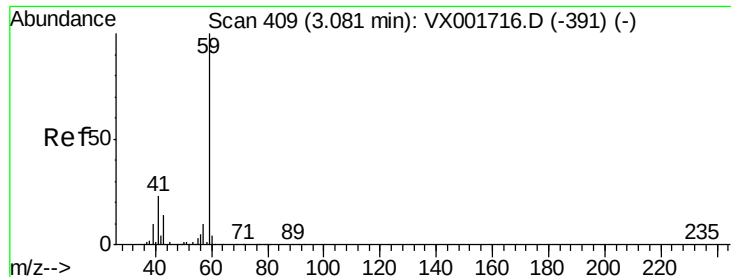
Ion Ratio Lower Upper

142 100

127 43.9 32.5 48.7

141 7.0 11.4 17.0#



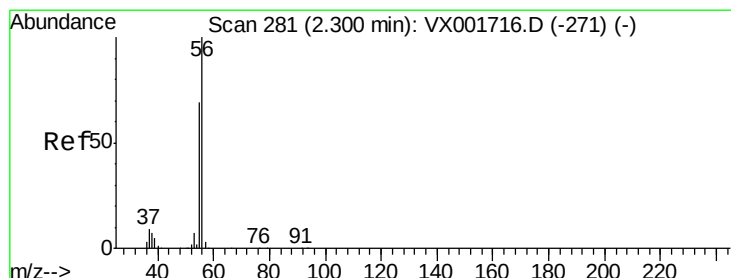
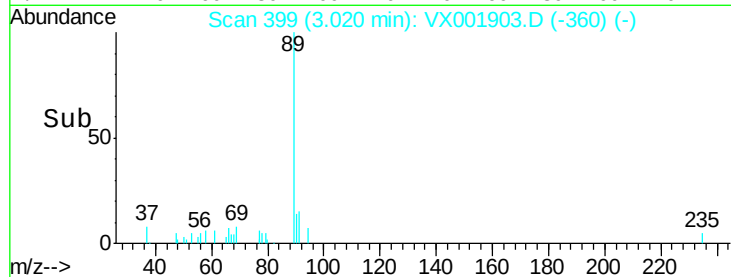
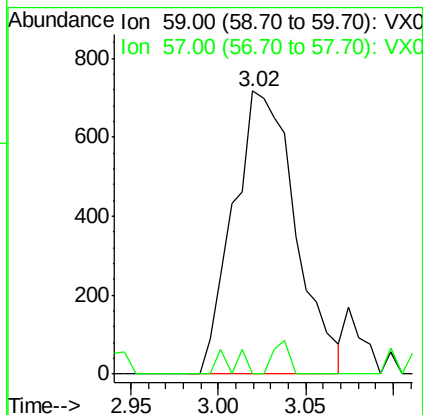
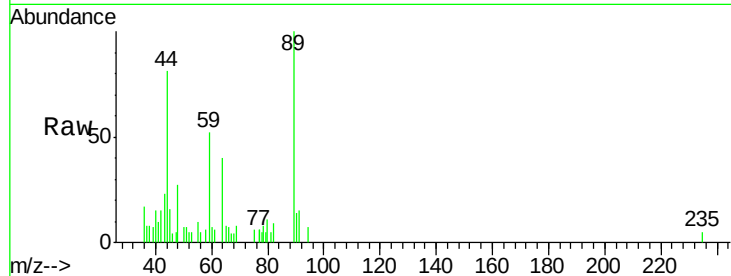


#11

Tert butyl alcohol
 Concen: 3.16 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: VX001903.D
 Acq: 22 May 2018 19:37

Instrument :
 MSVOA_X
 ClientSampleId :

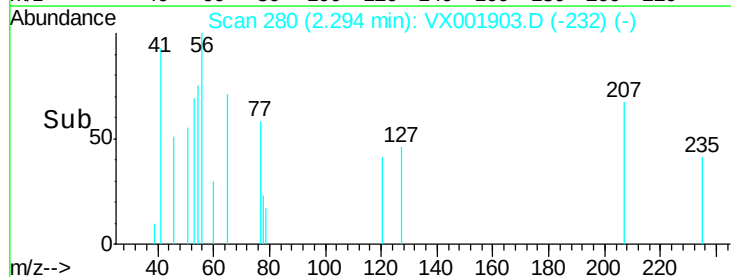
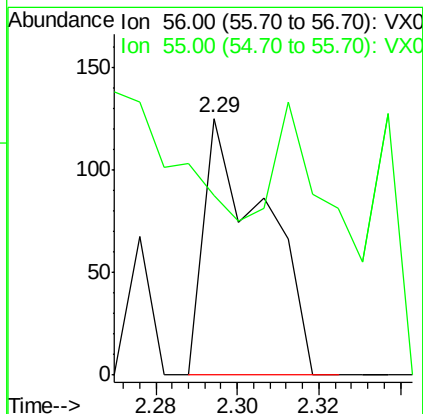
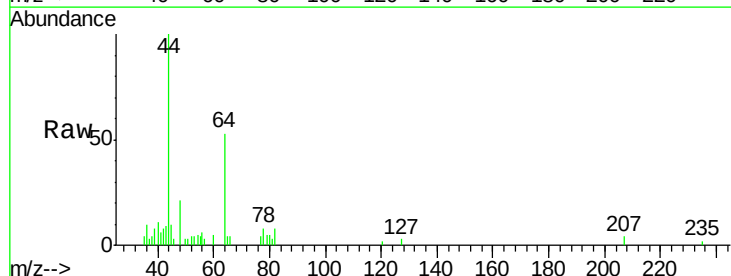
Tot Ion: 59 Resp: 1766
 Ion Ratio Lower Upper
 59 100
 57 3.1 8.5 12.7#

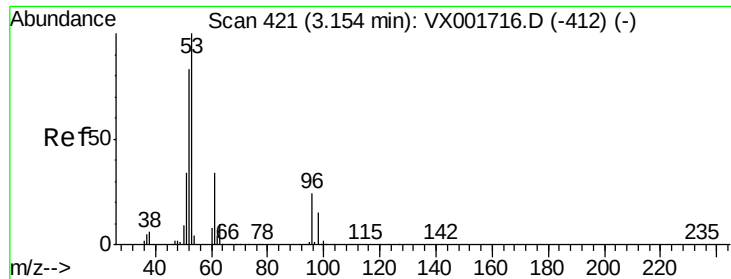


#13

Acrolein
 Concen: 0.32 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX001903.D
 Acq: 22 May 2018 19:37

Tgt Ion: 56 Resp: 128
 Ion Ratio Lower Upper
 56 100
 55 69.5 56.2 84.2





#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX001903.D

Acq: 22 May 2018 19:37

Instrument :

MSVOA_X

ClientSampled :

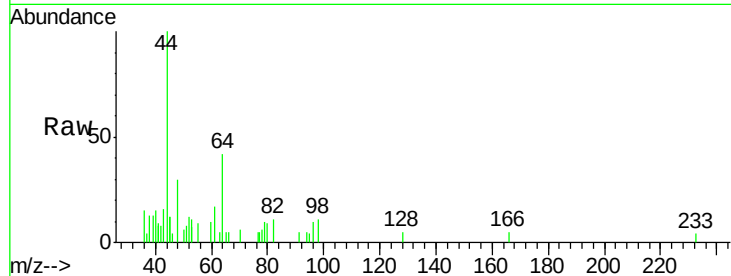
Tot Ion: 53 Resp: 469

Ion Ratio Lower Upper

53 100

52 79.3 65.6 98.4

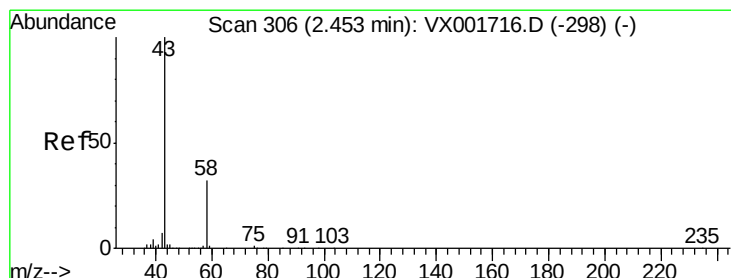
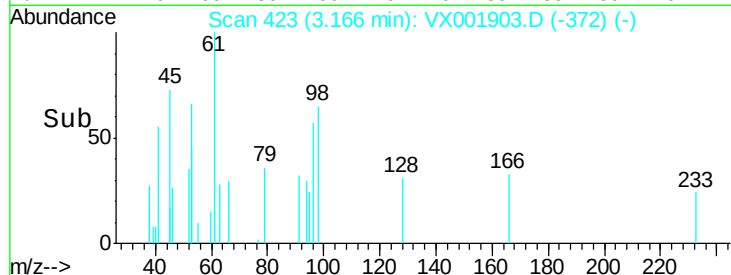
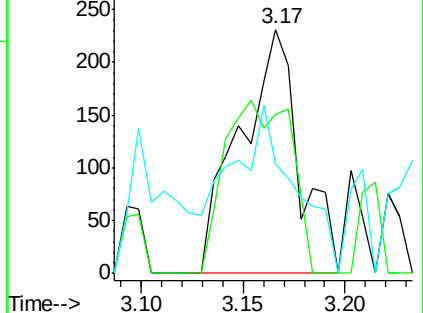
51 73.3 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 6.22 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001903.D

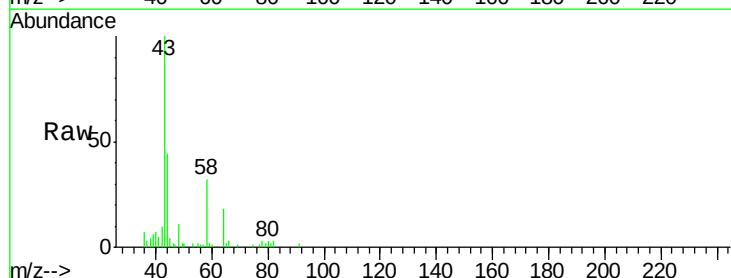
Acq: 22 May 2018 19:37

Tgt Ion: 43 Resp: 7689

Ion Ratio Lower Upper

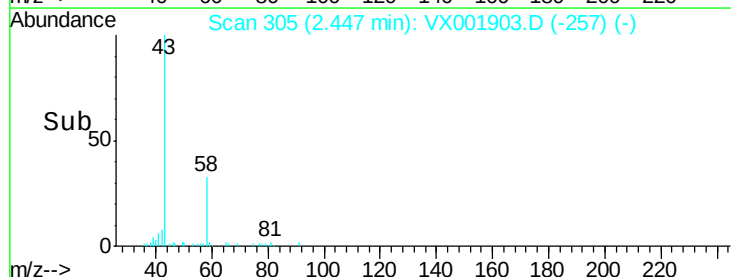
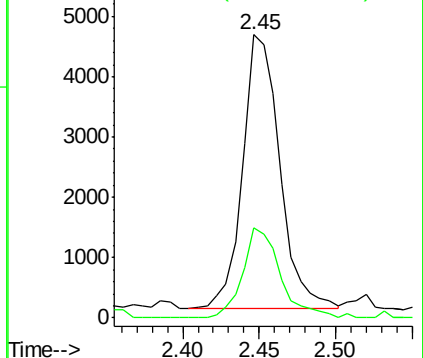
43 100

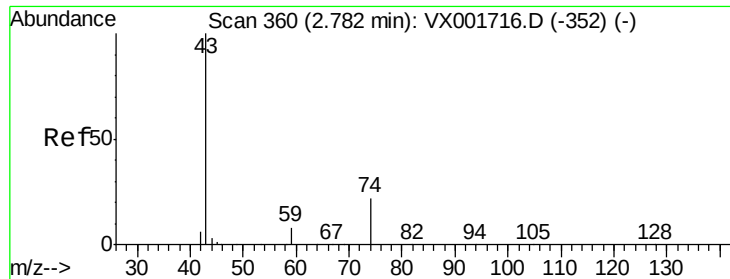
58 32.8 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

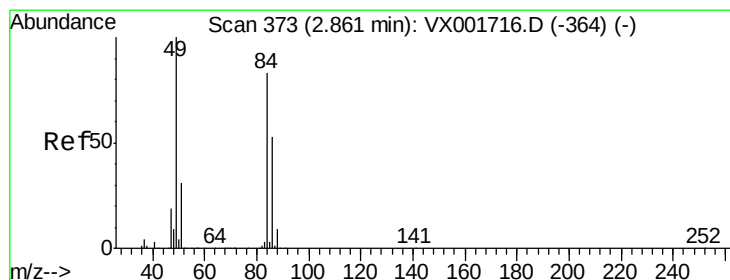
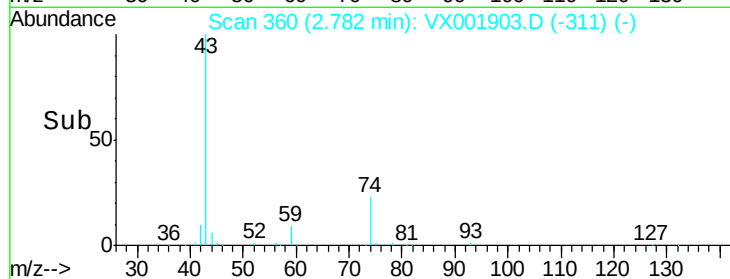
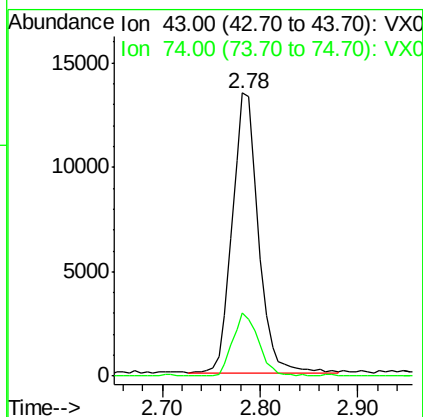
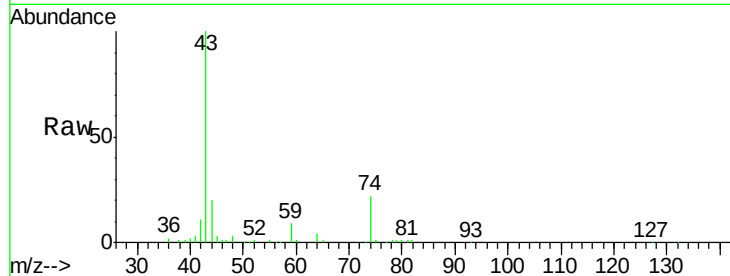




#18
Methvl Acetate
Concen: 6.85 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001903.D
Acq: 22 May 2018 19:37

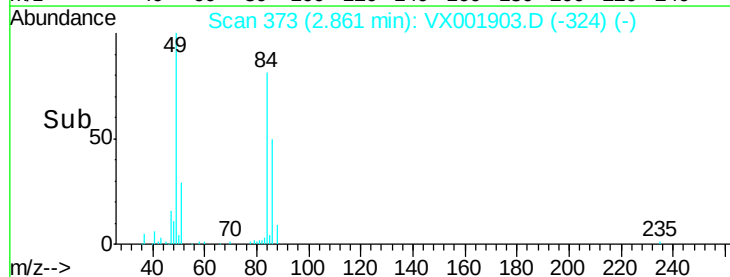
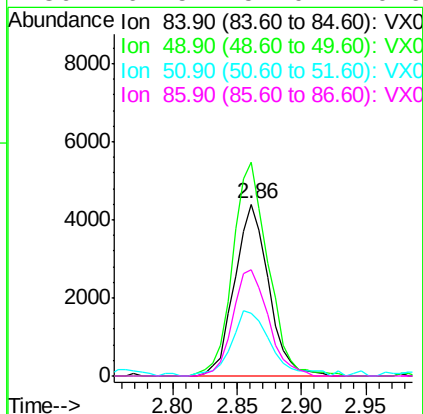
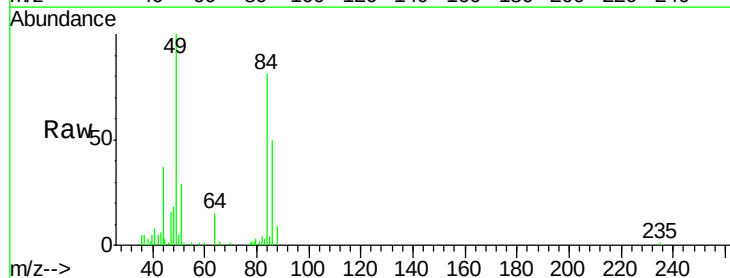
Instrument :
MSVOA_X
ClientSampleId :

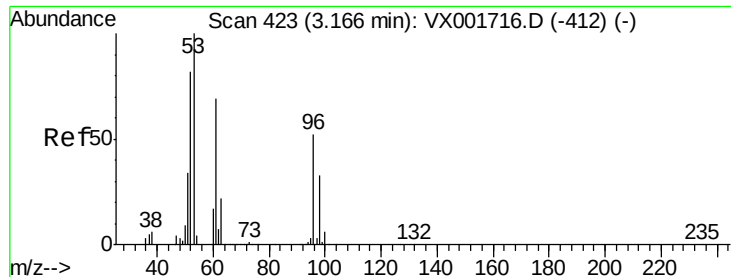
Tot Ion: 43 Resp: 24781
Ion Ratio Lower Upper
43 100
74 22.3 18.2 27.2



#20
Methylene Chloride
Concen: 3.05 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001903.D
Acq: 22 May 2018 19:37

Tgt Ion: 84 Resp: 8077
Ion Ratio Lower Upper
84 100
49 124.1 96.3 144.5
51 36.4 29.8 44.6
86 61.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 0.20 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001903.D

Acq: 22 May 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

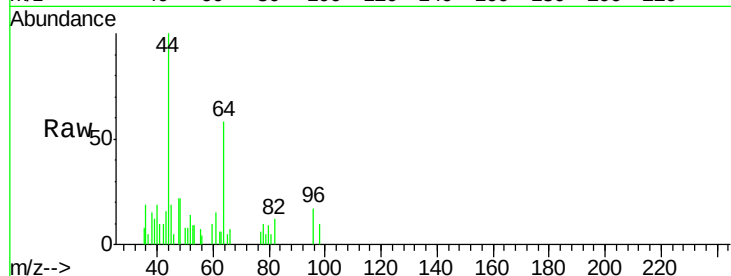
Tot Ion: 96 Resp: 517

Ion Ratio Lower Upper

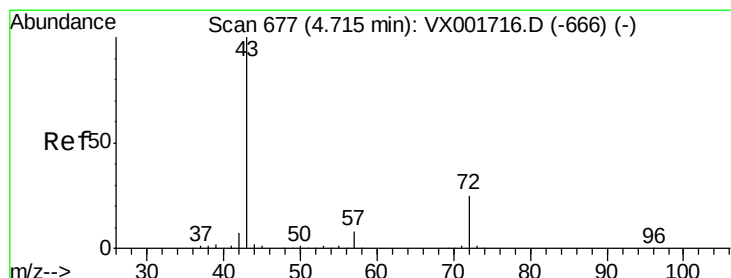
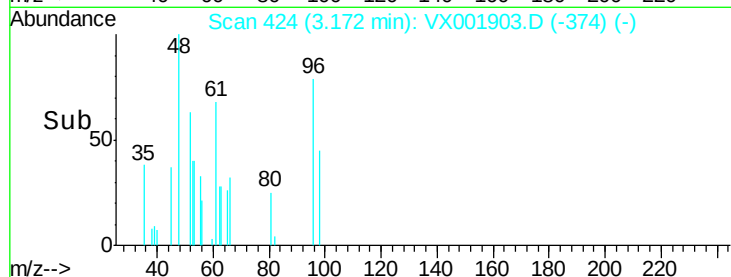
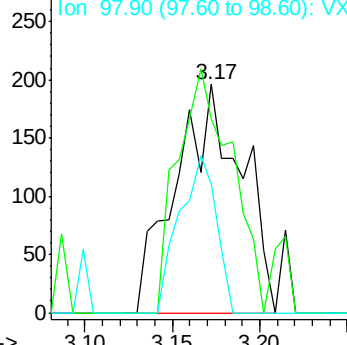
96 100

61 85.2 105.8 158.8#

98 56.6 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 1.10 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001903.D

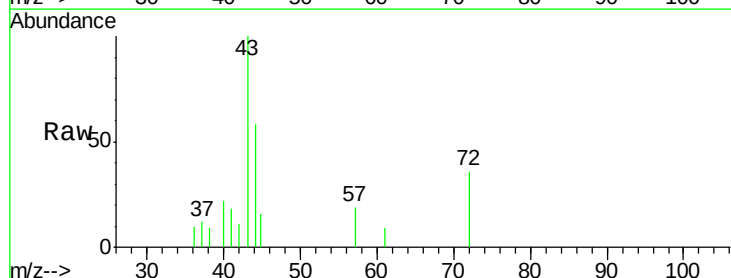
Acq: 22 May 2018 19:37

Tgt Ion: 43 Resp: 2076

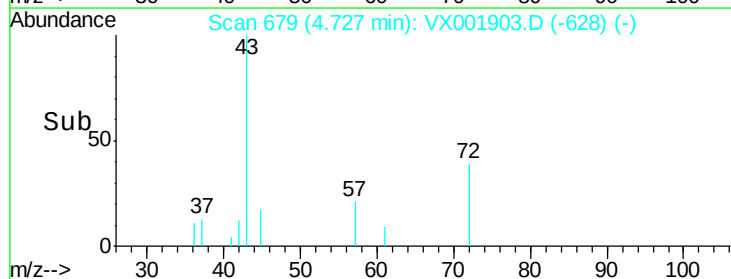
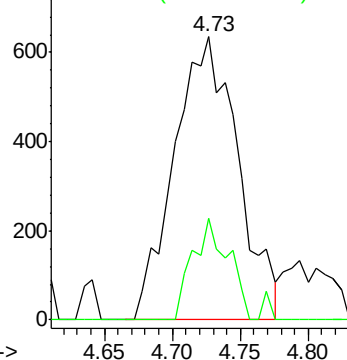
Ion Ratio Lower Upper

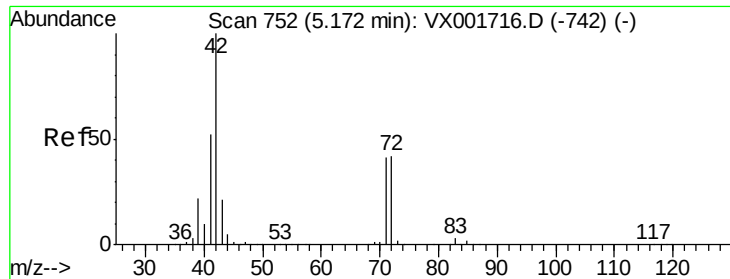
43 100

72 36.1 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

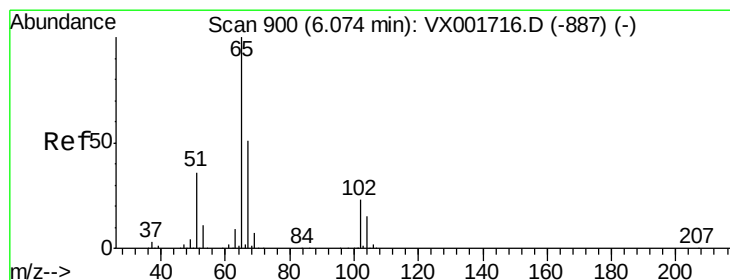
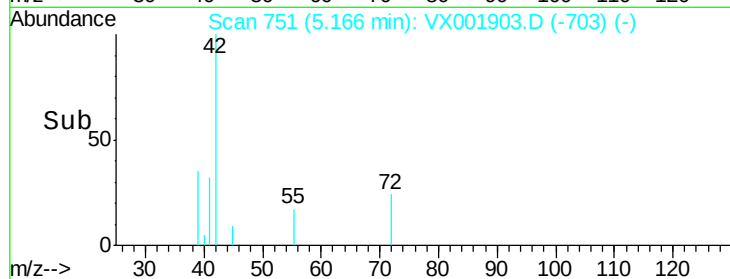
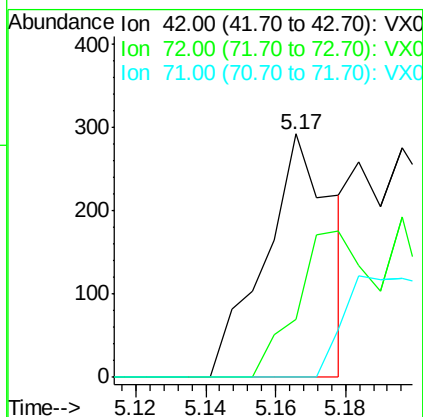
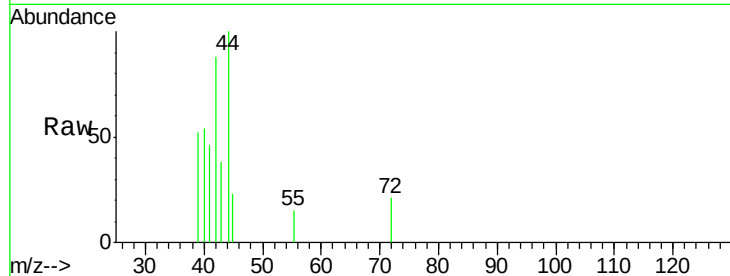




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX001903.D
Acq: 22 May 2018 19:37

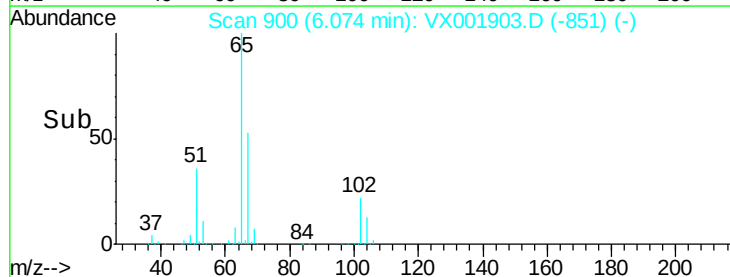
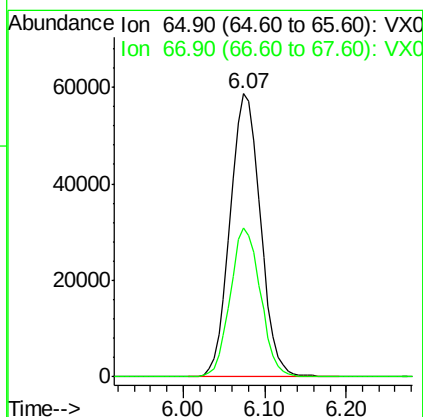
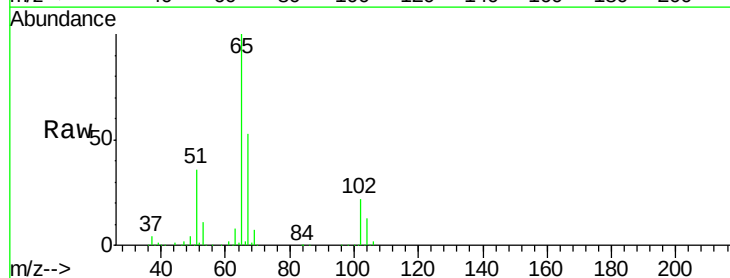
Instrument :
MSVOA_X
ClientSampleId :

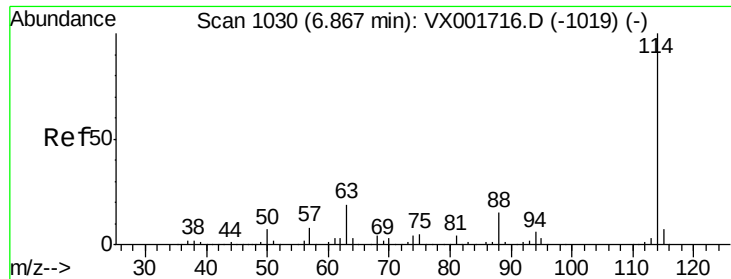
Tot Ion: 42 Resp: 394
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 0.0 33.2 49.8#



#33
1,2-Dichloroethane-d4
Concen: 47.93 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001903.D
Acq: 22 May 2018 19:37

Tgt Ion: 65 Resp: 150951
Ion Ratio Lower Upper
65 100
67 52.5 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: VX001903.D

Acq: 22 May 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

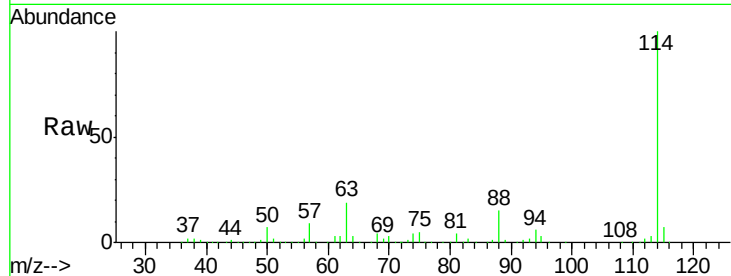
Tot Ion:114 Resp: 315042

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.0

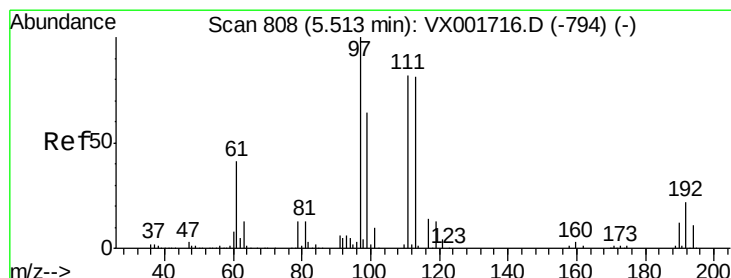
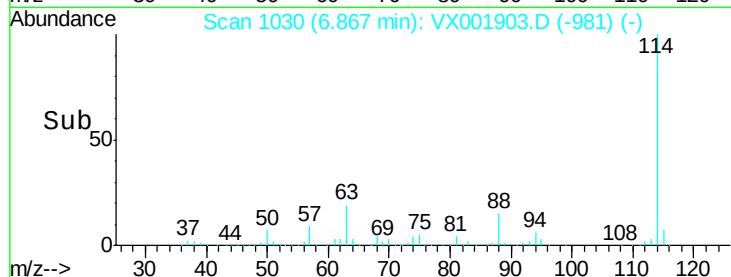
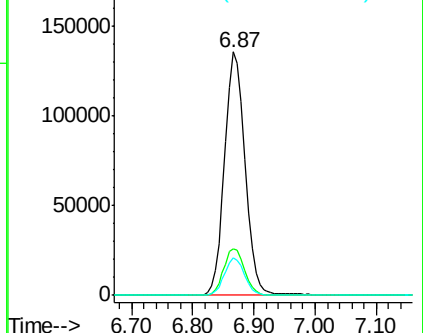
88 15.3 0.0 29.8



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: 47.07 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001903.D

Acq: 22 May 2018 19:37

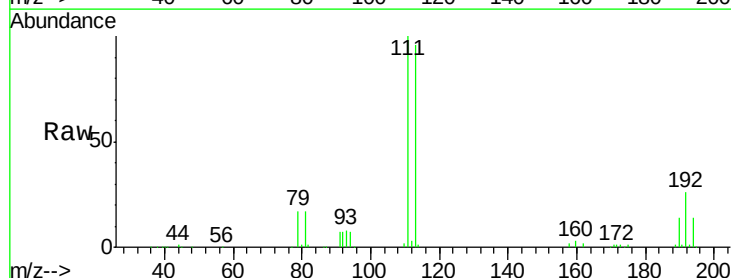
Tgt Ion:113 Resp: 125153

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

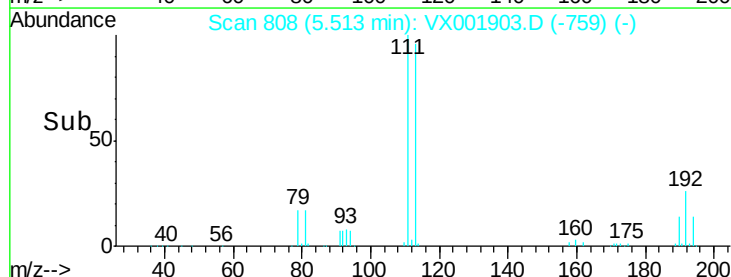
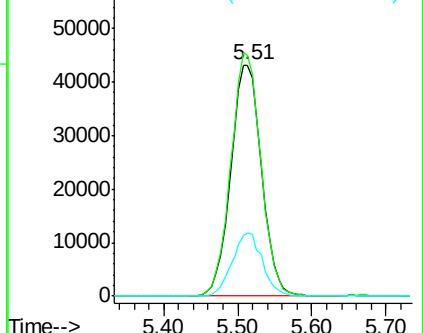
192 26.7 21.6 32.4

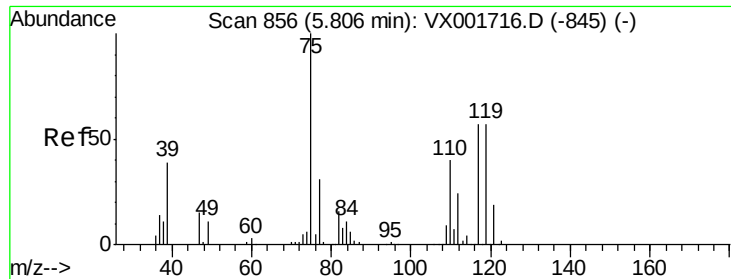


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

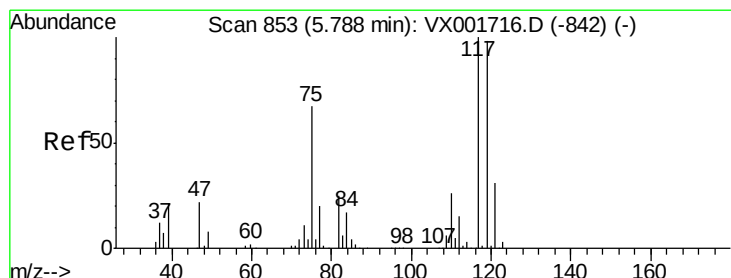
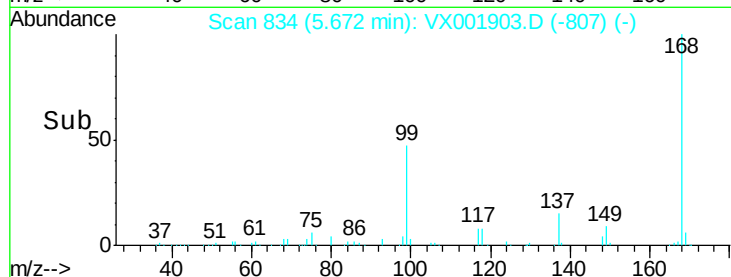
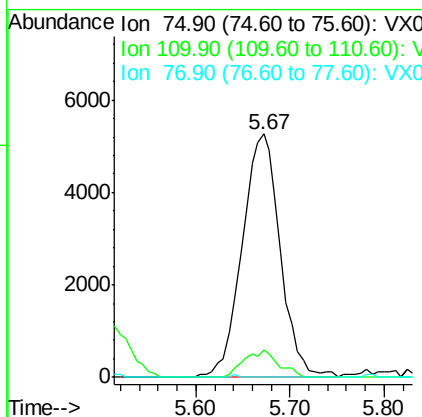
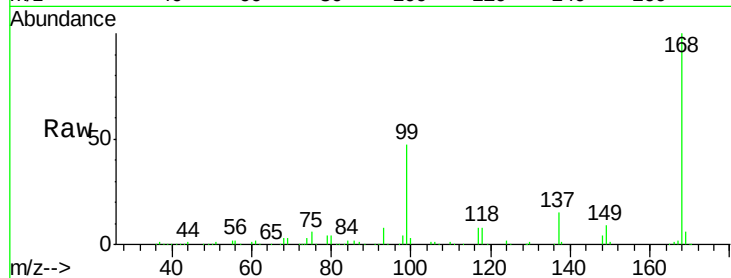




#36
 1,1-Dichloropropene
 Concen: 4.10 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001903.D
 Acq: 22 May 2018 19:37

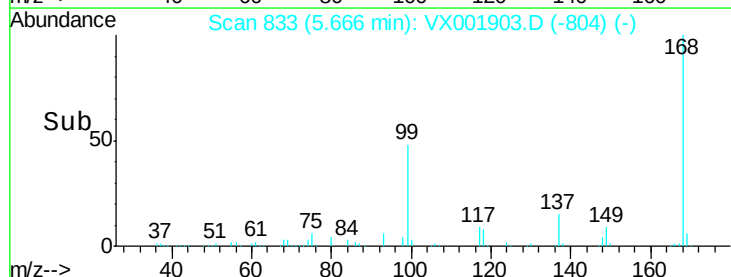
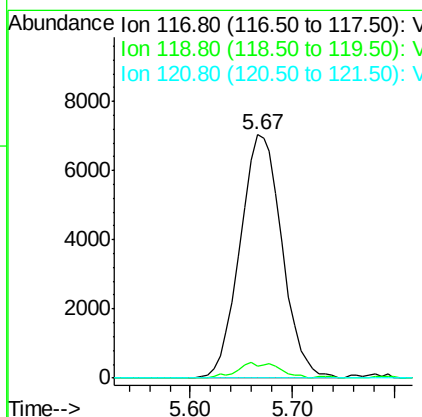
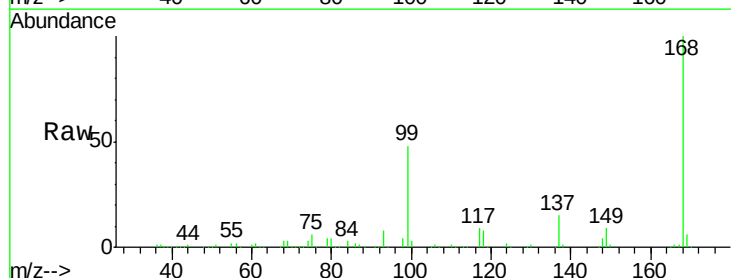
Instrument :
 MSVOA_X
 ClientSampleId :

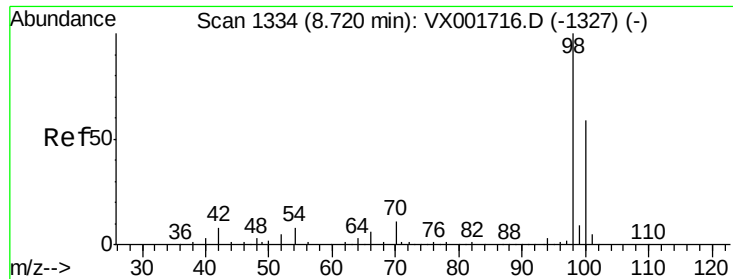
Tot Ion: 75 Resp: 14881
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.1 57.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.29 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001903.D
 Acq: 22 May 2018 19:37

Tgt Ion: 117 Resp: 20087
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.6 116.4#
 121 0.0 24.6 36.8#

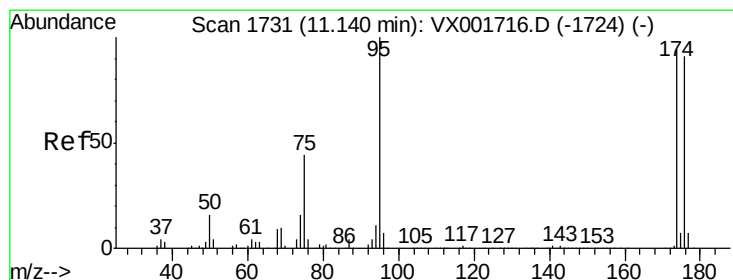
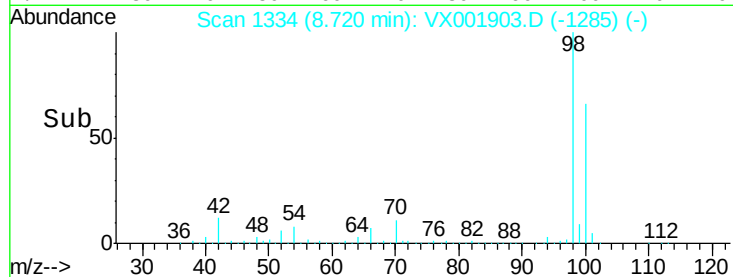
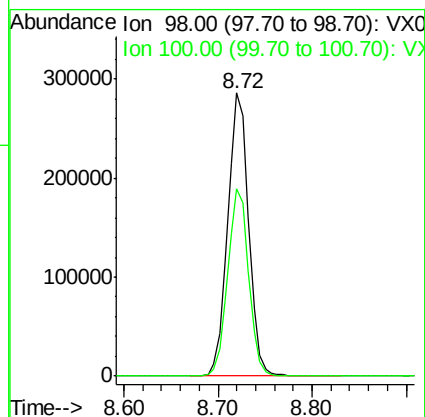
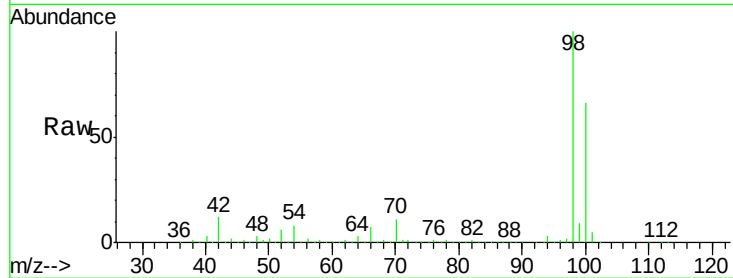




#50
Toluene-d8
Concen: 46.14 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001903.D
Acq: 22 May 2018 19:37

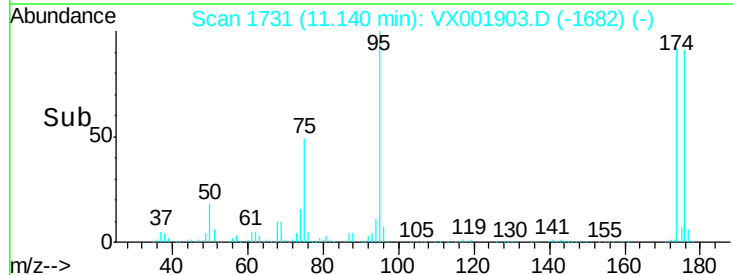
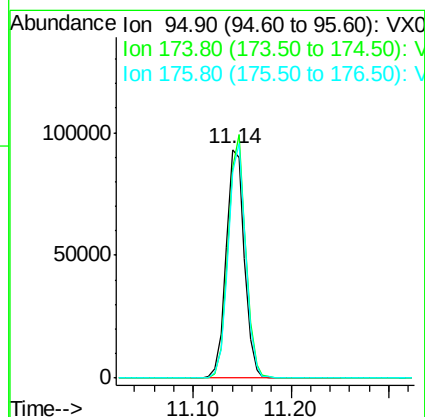
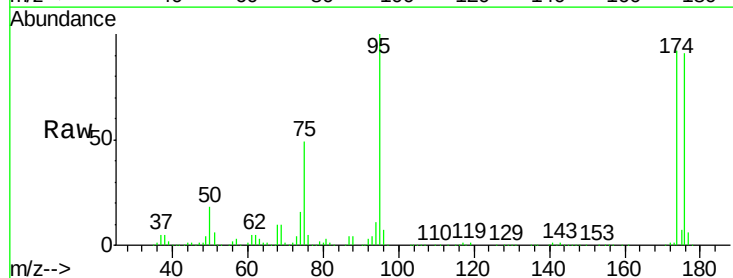
Instrument :
MSVOA_X
ClientSampleId :

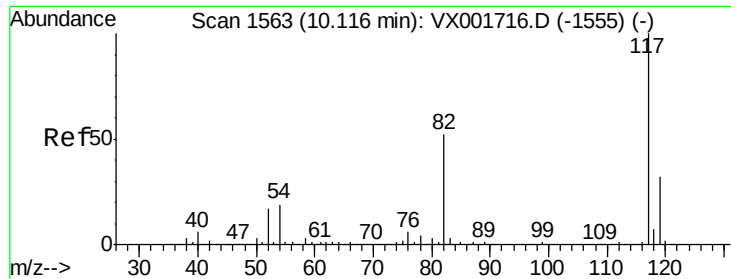
Tot Ion: 98 Resp: 439299
Ion Ratio Lower Upper
98 100
100 66.4 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 35.10 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001903.D
Acq: 22 May 2018 19:37

Tgt Ion: 95 Resp: 120339
Ion Ratio Lower Upper
95 100
174 101.9 0.0 201.8
176 98.3 0.0 196.8

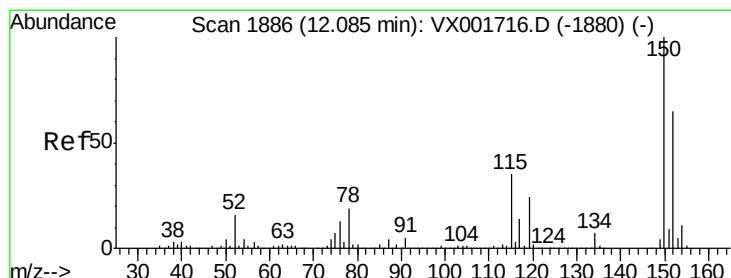
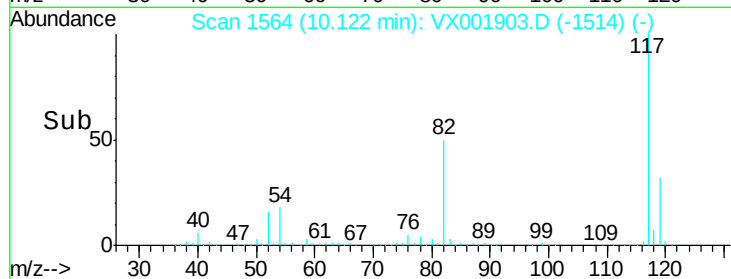
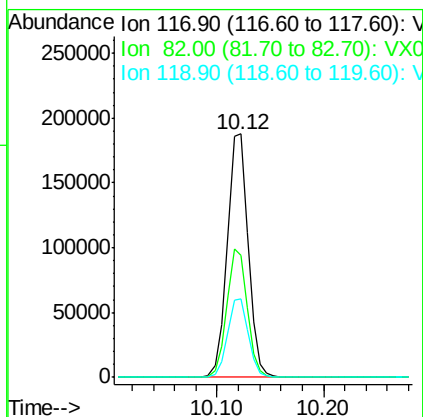
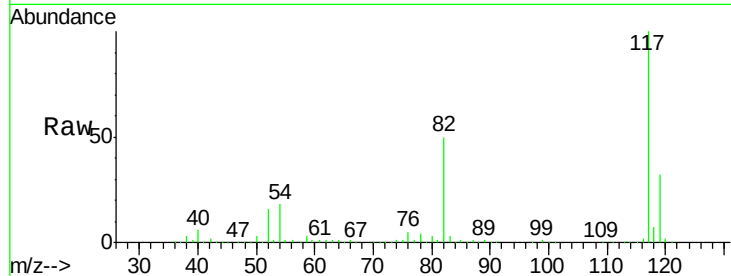




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001903.D
Acq: 22 May 2018 19:37

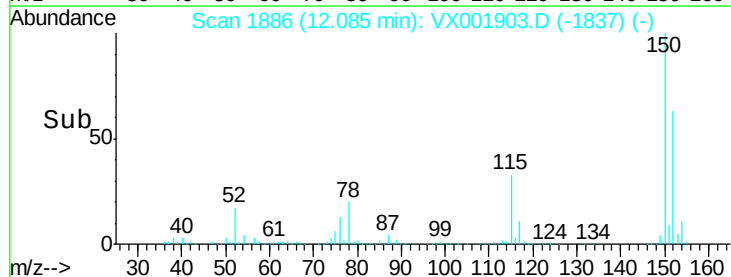
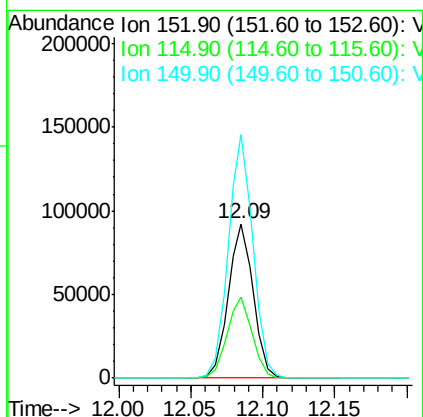
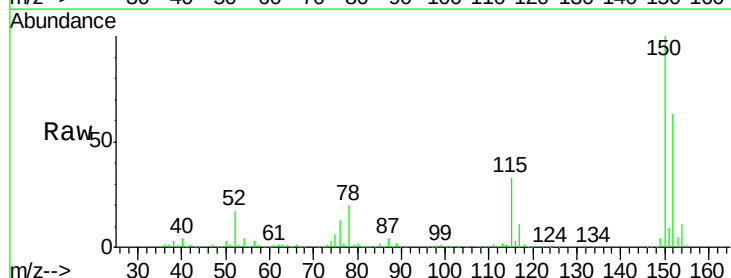
Instrument :
MSVOA_X
ClientSampled :

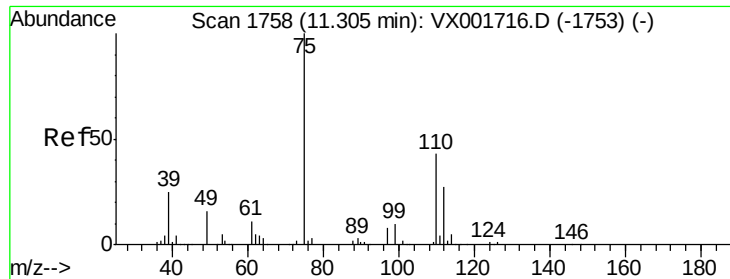
Tot Ion:117 Resp: 259171
Ion Ratio Lower Upper
117 100
82 50.1 41.4 62.2
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001903.D
Acq: 22 May 2018 19:37

Tgt Ion:152 Resp: 112288
Ion Ratio Lower Upper
152 100
115 52.4 37.4 112.2
150 155.8 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 26.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001903.D

Acq: 22 May 2018 19:37

Instrument :

MSVOA_X

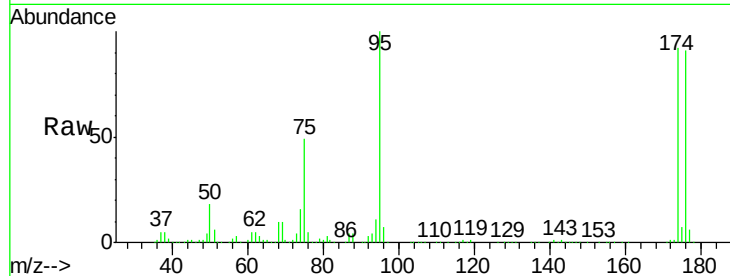
ClientSampled :

Tot Ion: 75 Resp: 57419

Ion Ratio Lower Upper

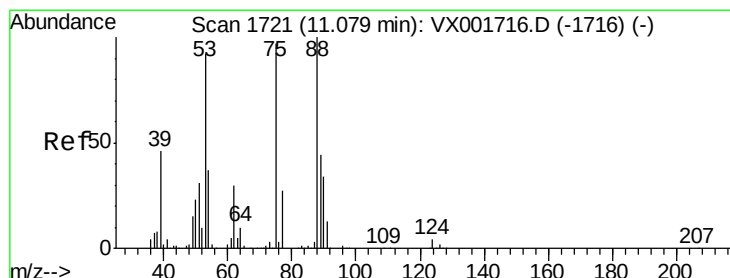
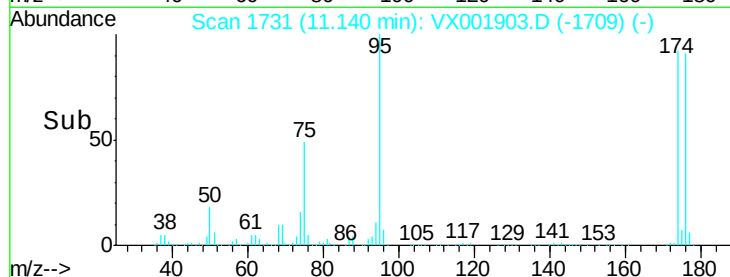
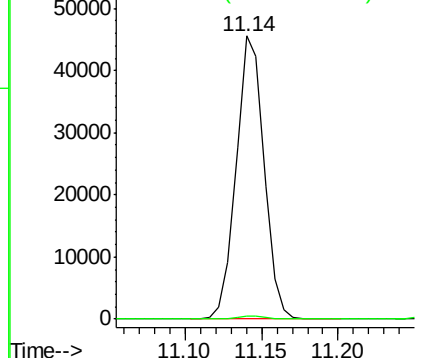
75 100

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: 78.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001903.D

Acq: 22 May 2018 19:37

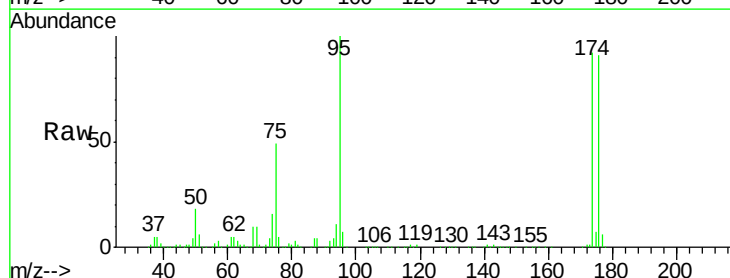
Tgt Ion: 75 Resp: 57419

Ion Ratio Lower Upper

75 100

53 0.2 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

