

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX060118\
 Data File : VX002231.D
 Acq On : 01 Jun 2018 23:57
 Operator : JC/MD
 Sample : J3151-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 02 03:24:22 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	231295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	337142	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	169265	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	225862	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
35) Dibromofluoromethane	5.51	113	164101	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	8.72	98	652243	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	11.14	95	226072	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	

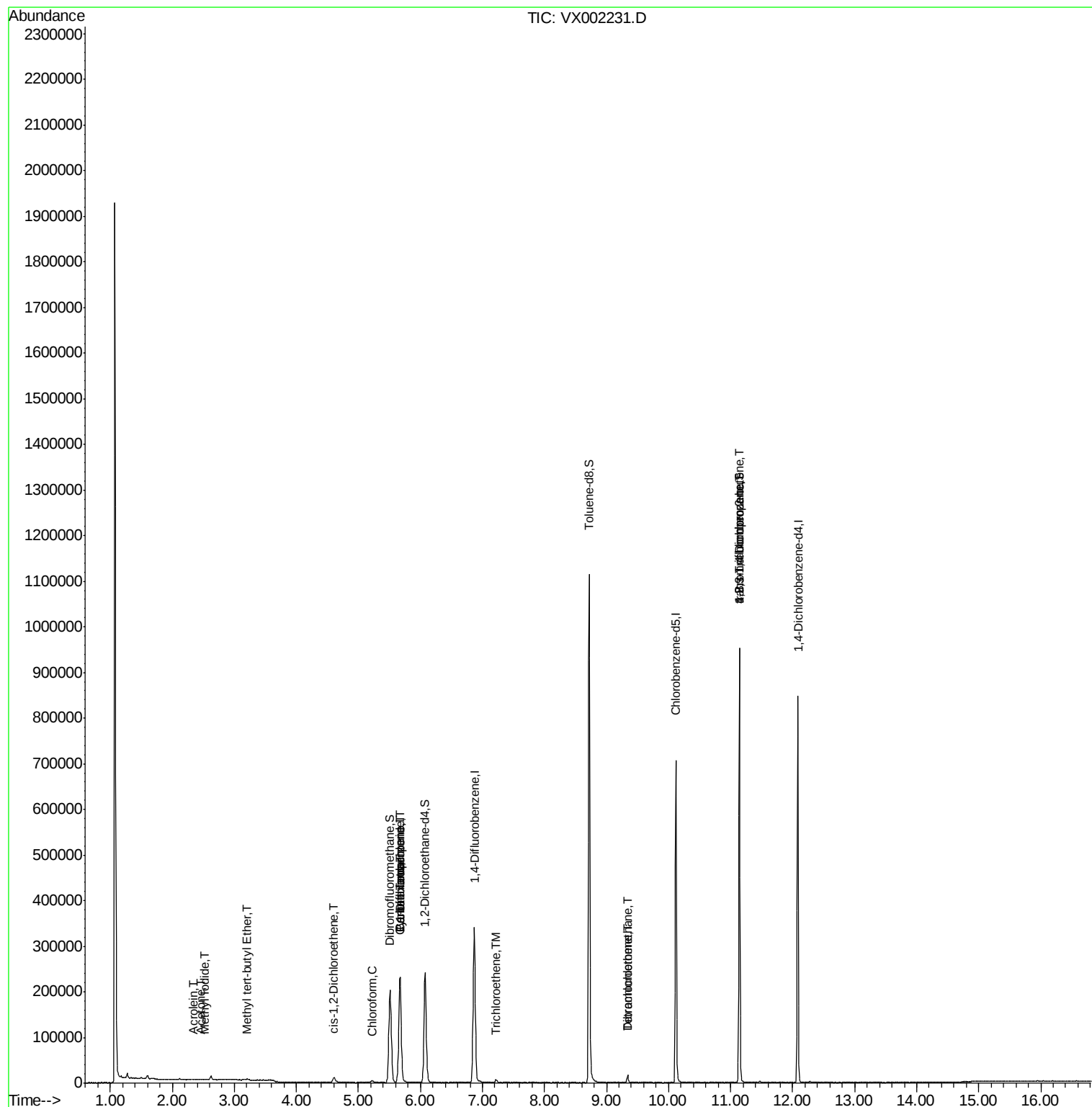
Target Compounds			Qvalue				
2) Dichlorodifluoromethane	1.20	85	240	Below Cal	#	41	
5) Bromomethane	1.62	94	156	Below Cal	#	2	
10) Methyl Iodide	2.52	142	917	0.24	ug/l	#	74
13) Acrolein	2.33	56	125	0.36	ug/l		96
16) Acetone	2.46	43	1312	0.82	ug/l		97
18) Methyl Acetate	2.78	43	333	Below Cal	#	68	
19) Methyl tert-butyl Ether	3.21	73	2352	0.23	ug/l	#	86
20) Methylene Chloride	2.86	84	369	Below Cal	#	77	
21) trans-1,2-Dichloroethene	3.17	96	216	Below Cal	#	58	
27) cis-1,2-Dichloroethene	4.60	96	4571	1.30	ug/l		40
28) Bromochloromethane	5.06	49	18	Below Cal	#	14	
30) Chloroform	5.22	83	4405	0.72	ug/l		98
31) Cyclohexane	5.66	56	5029	0.88	ug/l	#	22
36) 1,1-Dichloropropene	5.67	75	16009	3.41	ug/l	#	51
38) Carbon Tetrachloride	5.67	117	21837	3.99	ug/l	#	14
41) Methacrylonitrile	5.04	41	482	Below Cal	#	34	
44) Trichloroethene	7.22	130	2157	0.54	ug/l		97
60) Dibromochloromethane	9.34	129	3136	0.72	ug/l	#	11
64) Tetrachloroethene	9.34	164	3282	0.75	ug/l		97
74) N-amyl acetate	6.48	43	288	Below Cal	#	60	
75) 1,1,2,2-Tetrachloroethane	11.18	83	20	Below Cal	#	25	
76) 1,2,3-Trichloropropane	11.14	75	121101	29.79	ug/l	#	33
79) 2-Chlorotoluene	11.44	91	99	Below Cal	#	40	
81) trans-1,4-Dichloro-2-buten	11.14	75	121101	71.59	ug/l	#	10

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

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Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 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: VX002231.D

Acq: 01 Jun 2018 23:57

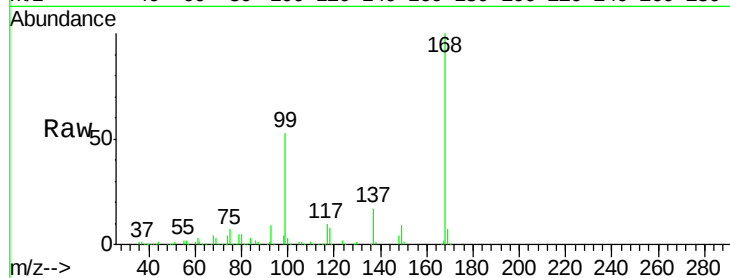
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 231295

Ion Ratio Lower Upper

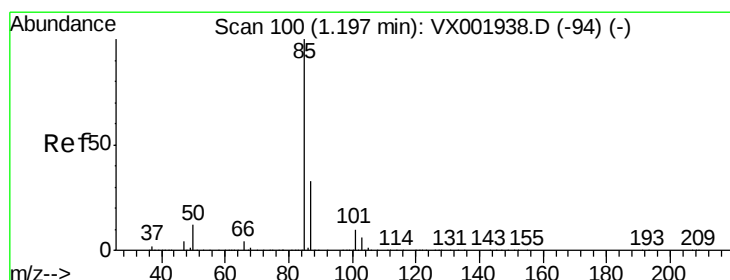
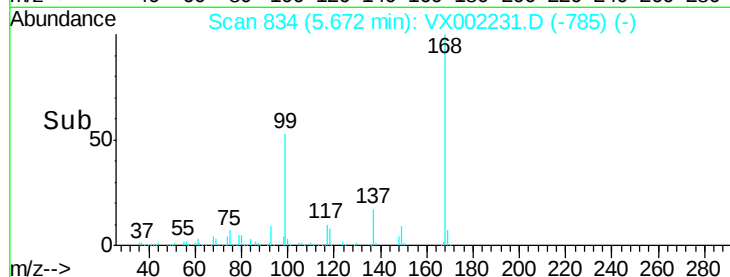
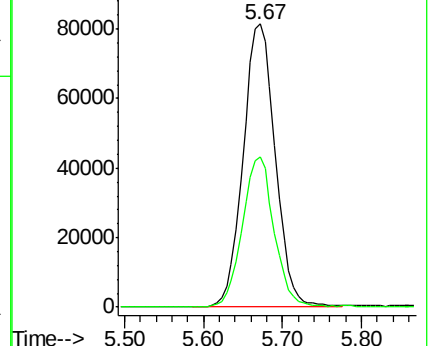
168 100

99 52.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002231.D

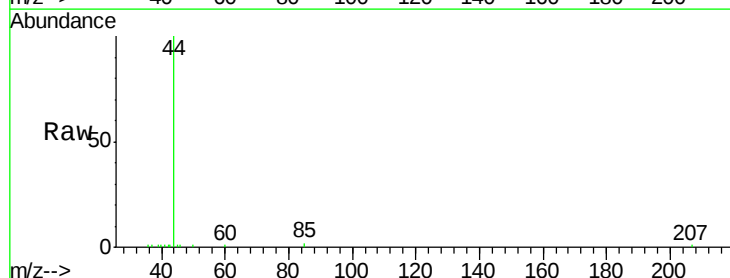
Acq: 01 Jun 2018 23:57

Tgt Ion: 85 Resp: 240

Ion Ratio Lower Upper

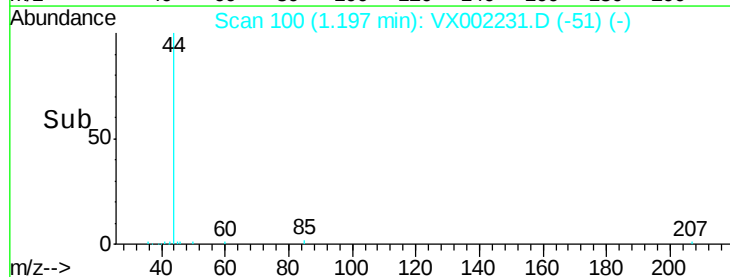
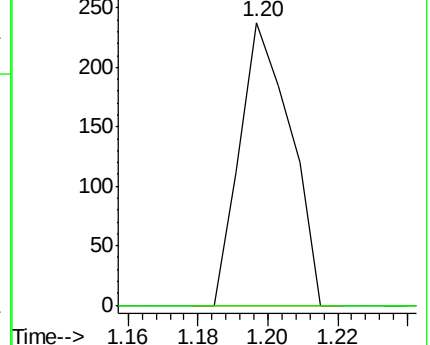
85 100

87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX002231.D

Acq: 01 Jun 2018 23:57

Instrument :

MSVOA_X

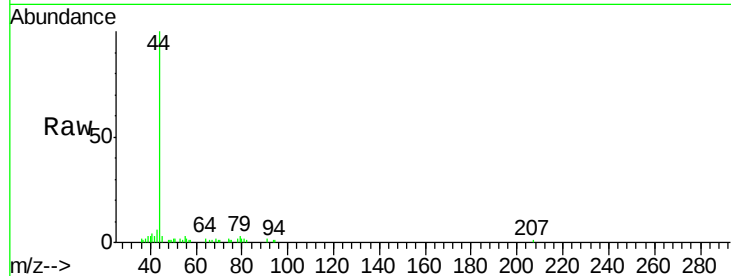
ClientSampled :

Tot Ion: 94 Resp: 156

Ion Ratio Lower Upper

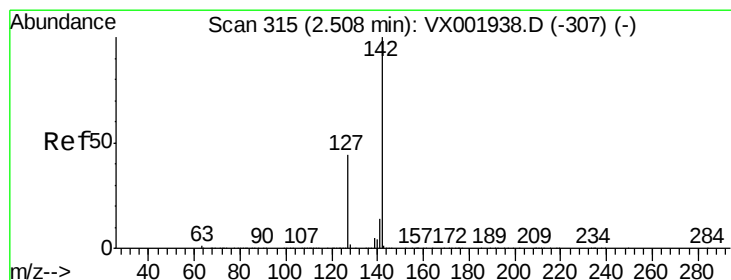
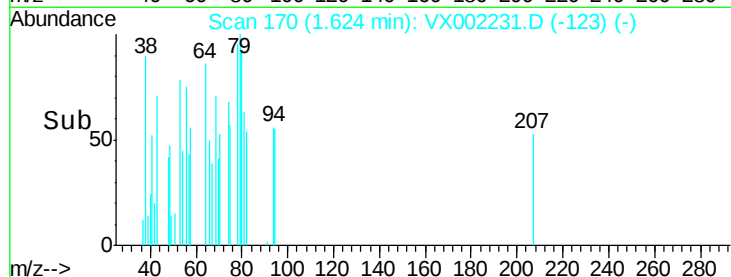
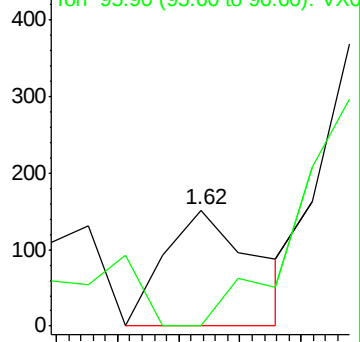
94 100

96 0.0 75.9 113.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.24 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002231.D

Acq: 01 Jun 2018 23:57

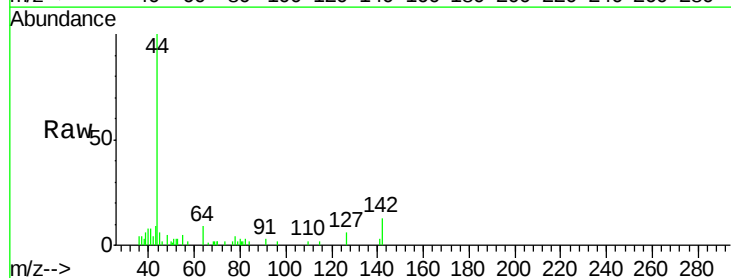
Tgt Ion: 142 Resp: 917

Ion Ratio Lower Upper

142 100

127 63.7 35.5 53.3#

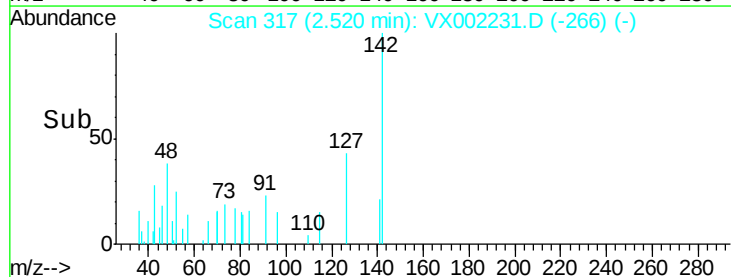
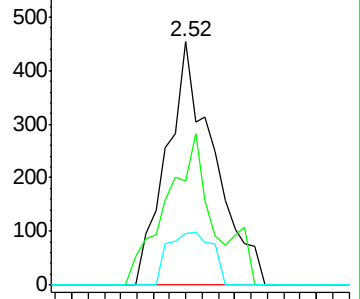
141 20.4 11.3 16.9#

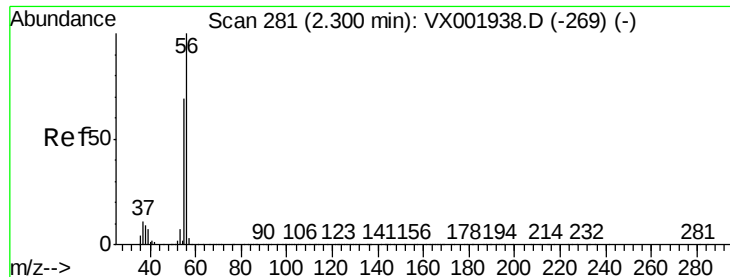


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.36 ug/l

RT: 2.33 min Scan# 286

Delta R.T. 0.03 min

Lab File: VX002231.D

Acq: 01 Jun 2018 23:57

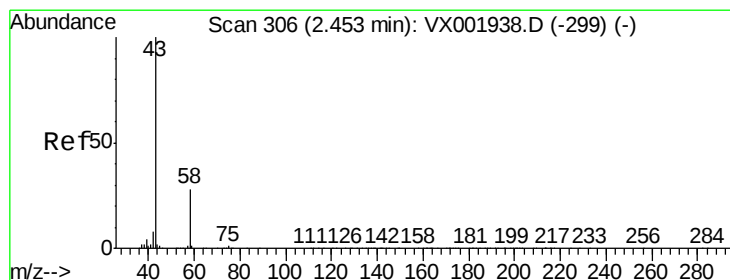
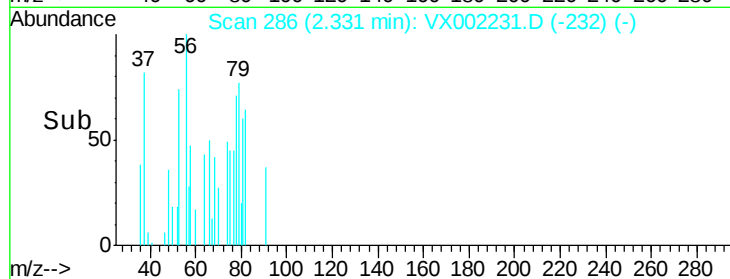
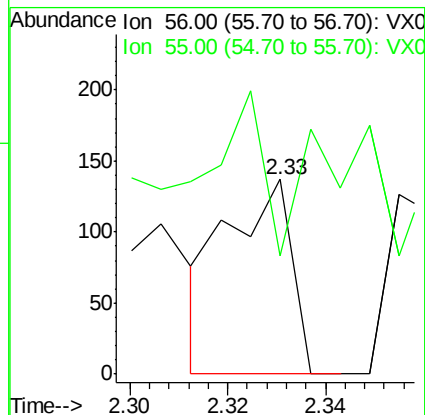
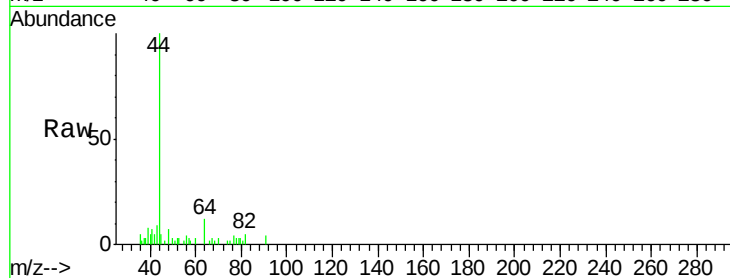
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 125

Ion Ratio Lower Upper

56 100

55 68.0 56.8 85.2



#16

Acetone

Concen: 0.82 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX002231.D

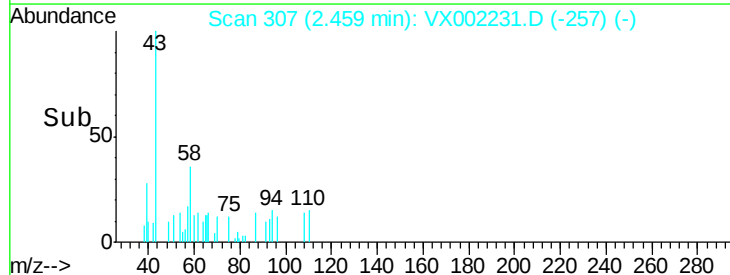
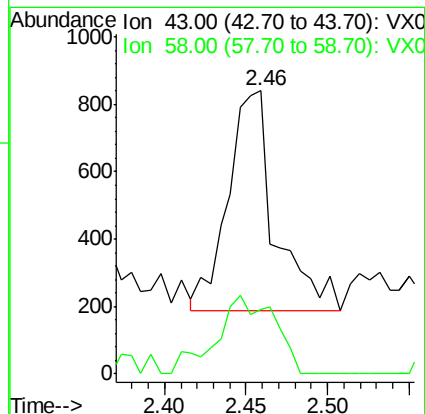
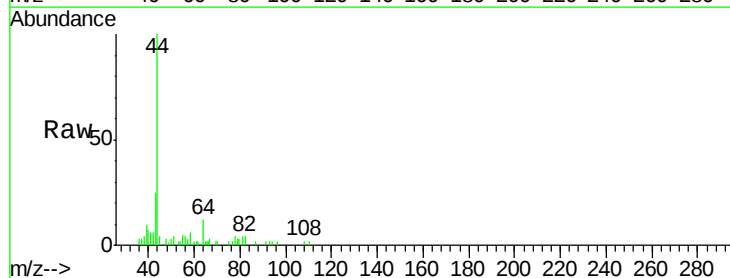
Acq: 01 Jun 2018 23:57

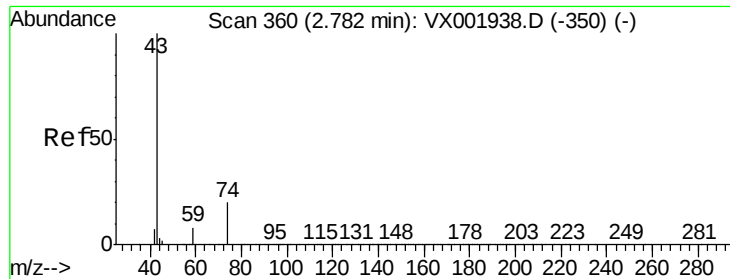
Tgt Ion: 43 Resp: 1312

Ion Ratio Lower Upper

43 100

58 29.6 22.3 33.5

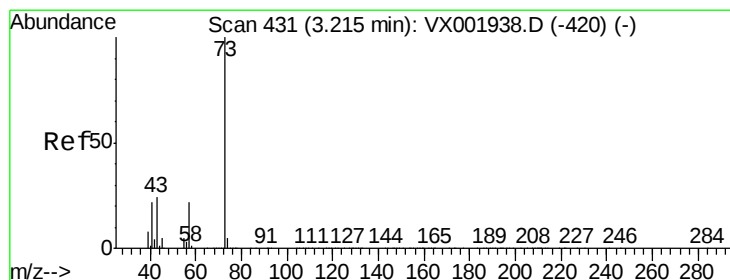
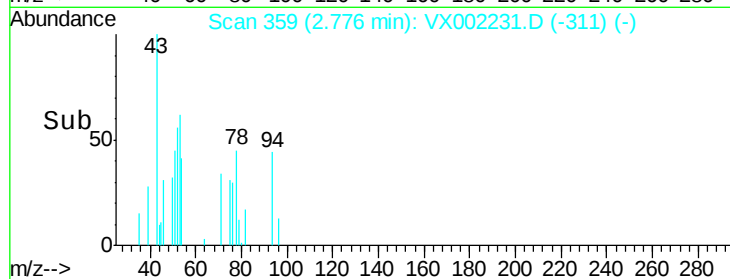
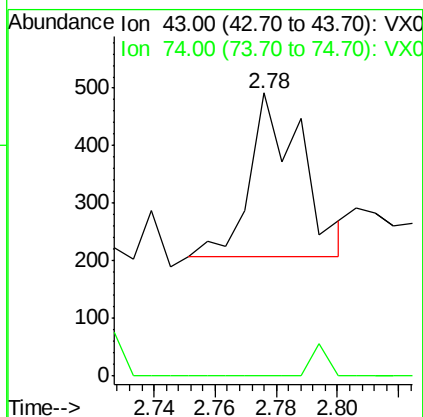
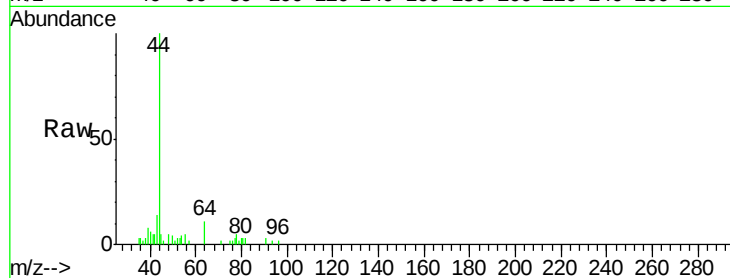




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

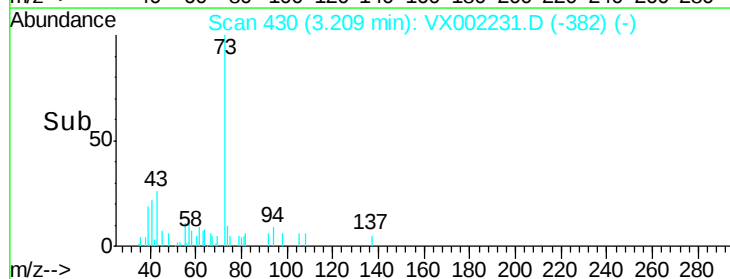
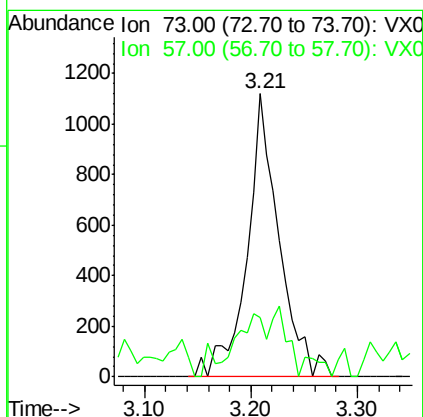
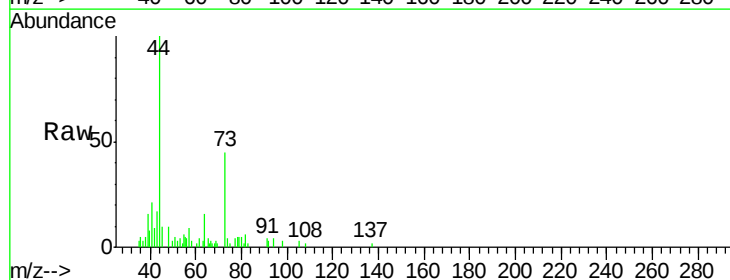
Instrument :
MSVOA_X
ClientSampleId :

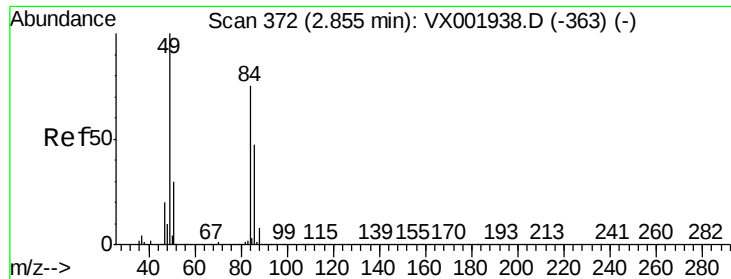
Tot Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
74 6.0 16.8 25.2#



#19
Methyl tert-butyl Ether
Concen: 0.23 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Tgt Ion: 73 Resp: 2352
Ion Ratio Lower Upper
73 100
57 15.0 17.4 26.0#

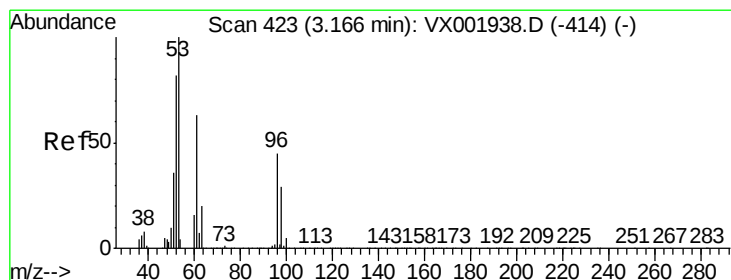
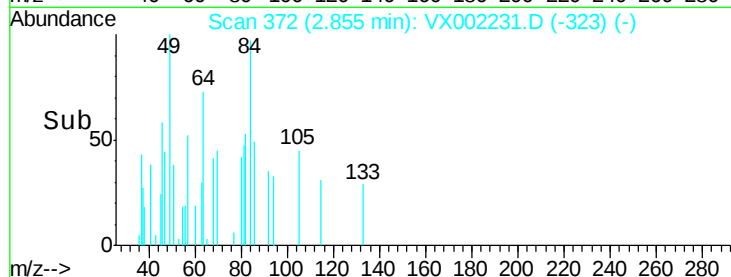
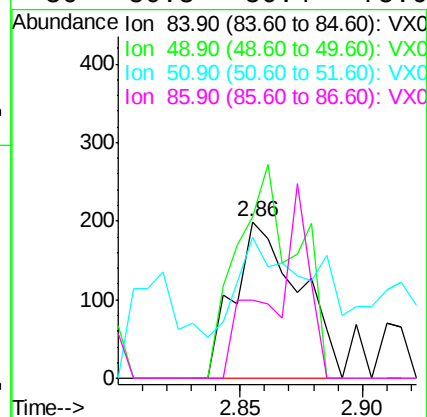
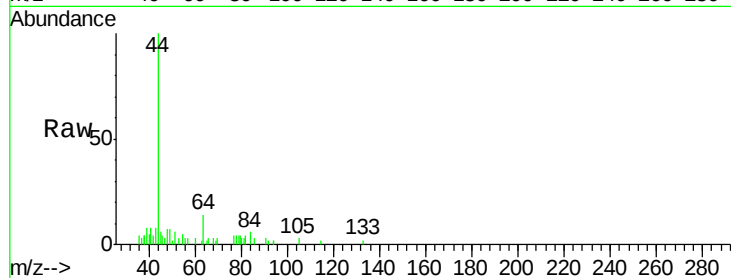




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

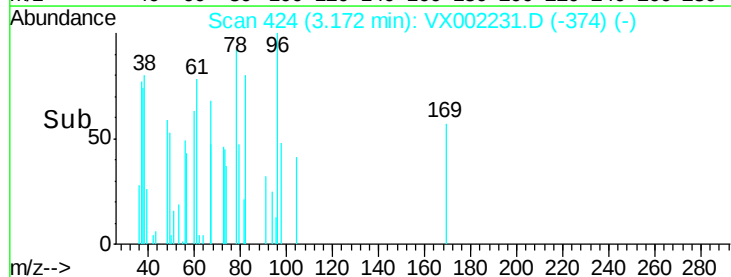
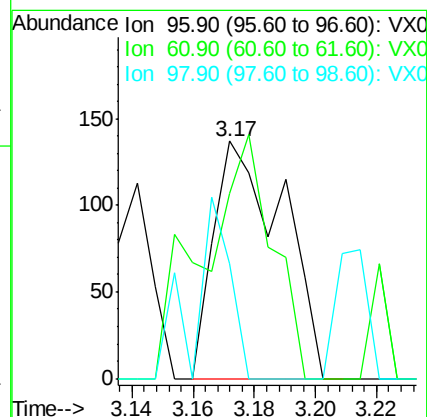
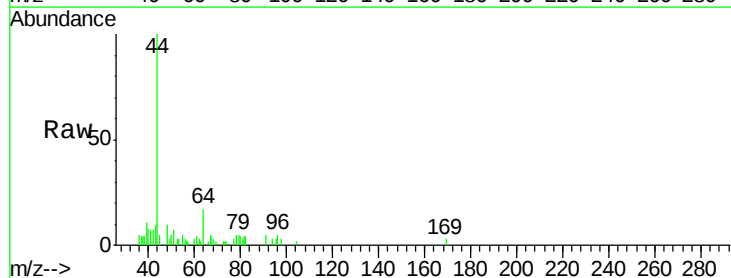
Instrument :
MSVOA_X
ClientSampled :

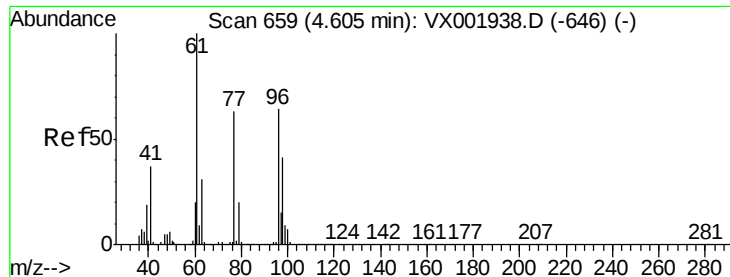
Tot Ion: 84 Resp: 369
Ion Ratio Lower Upper
84 100
49 103.0 107.2 160.8#
51 54.3 32.4 48.6#
86 50.3 50.4 75.6#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Tgt Ion: 96 Resp: 216
Ion Ratio Lower Upper
96 100
61 78.1 113.3 169.9#
98 48.2 51.7 77.5#



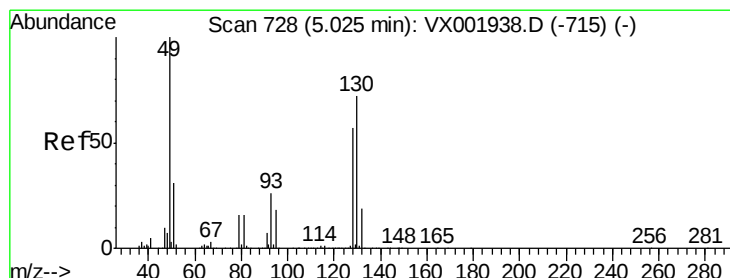
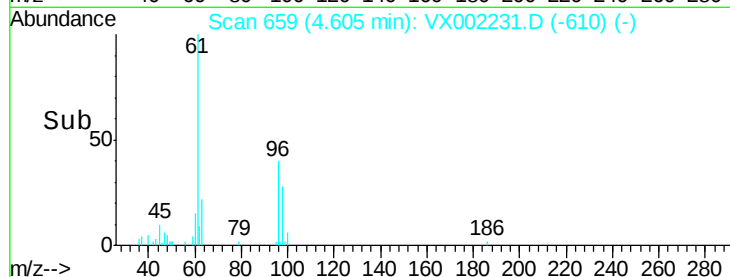
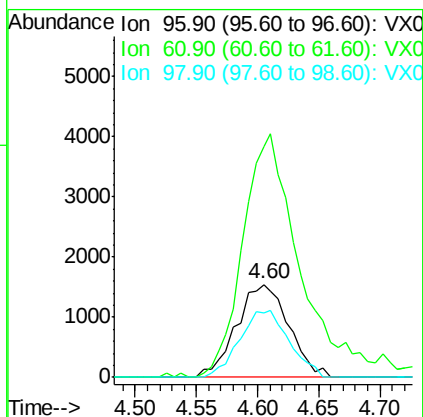
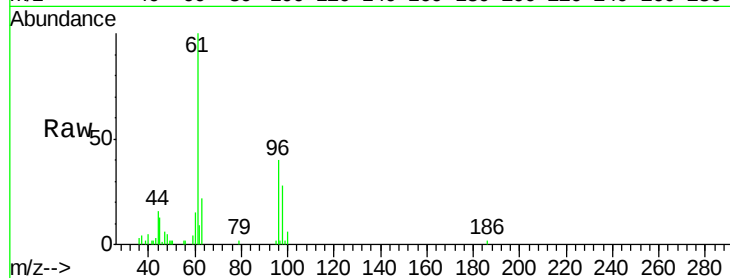


#27

cis-1,2-Dichloroethene
Concen: 1.30 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Instrument :
MSVOA_X
ClientSampled :

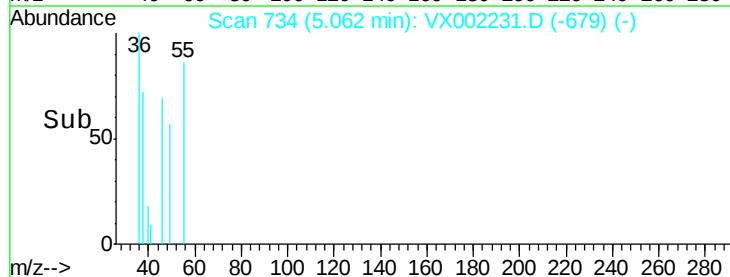
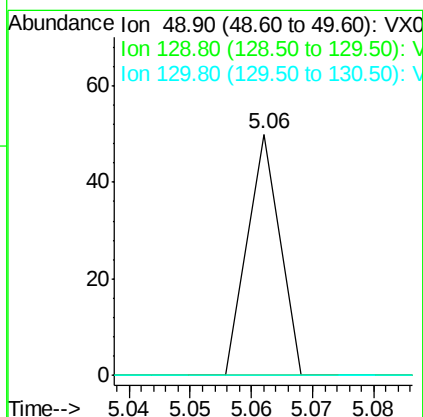
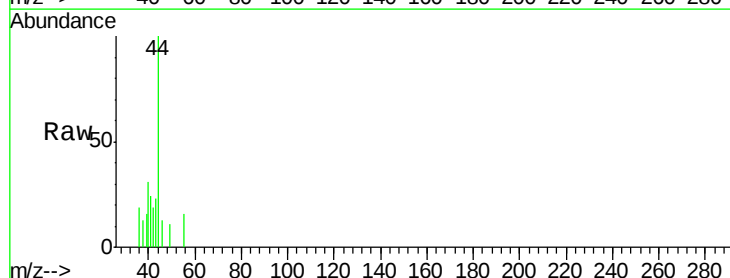
Tot Ion	Ratio	Lower	Upper
96	100		
61	285.3	0.0	348.4
98	68.7	0.0	128.6

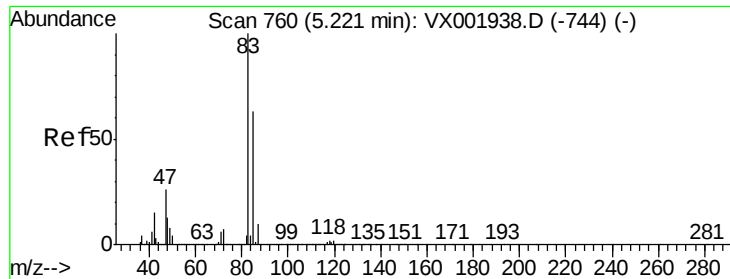


#28

Bromochloromethane
Concen: Below Cal
RT: 5.06 min Scan# 734
Delta R.T. 0.04 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#





#30

Chloroform

Concen: 0.72 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002231.D

Acq: 01 Jun 2018 23:57

Instrument :

MSVOA_X

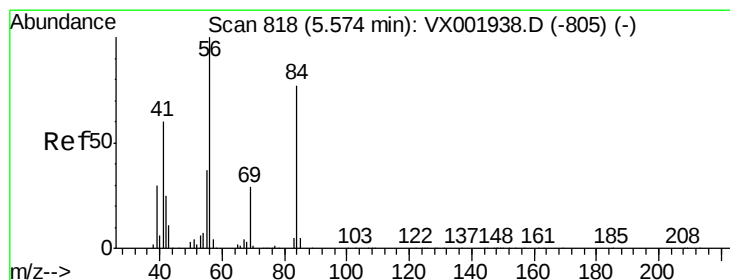
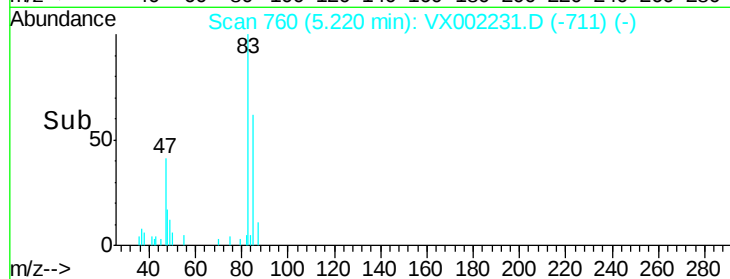
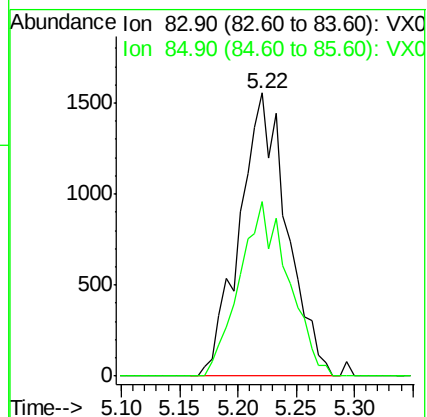
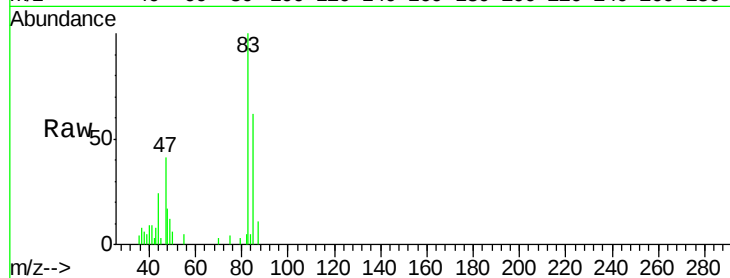
ClientSampleId :

Tot Ion: 83 Resp: 4405

Ion Ratio Lower Upper

83 100

85 61.7 50.9 76.3



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX002231.D

Acq: 01 Jun 2018 23:57

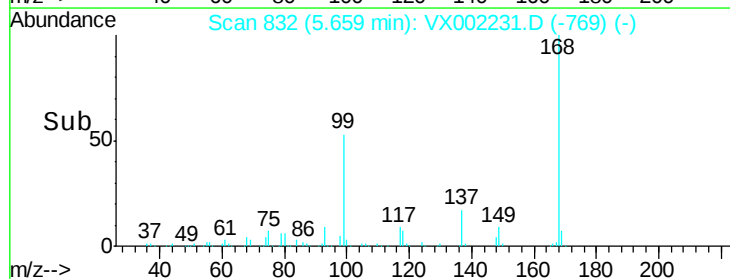
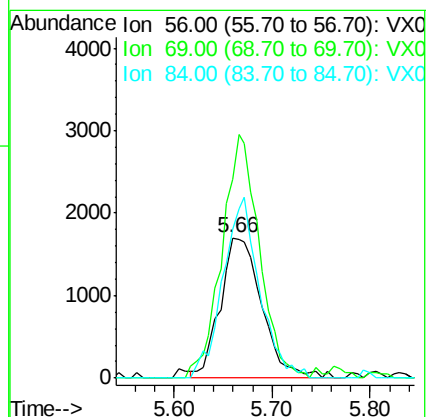
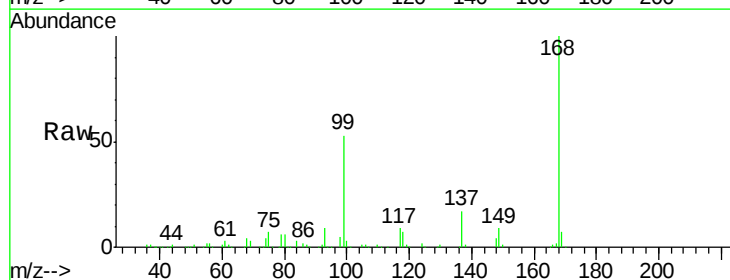
Tgt Ion: 56 Resp: 5029

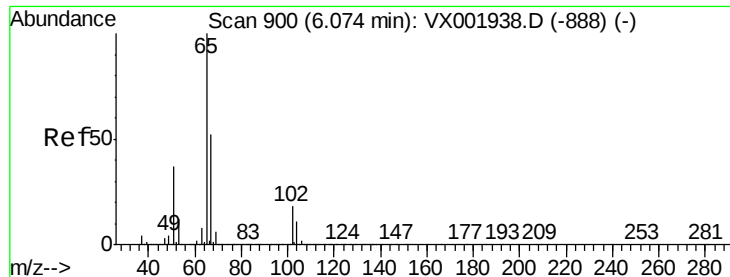
Ion Ratio Lower Upper

56 100

69 134.9 23.1 34.7#

84 106.0 62.0 93.0#

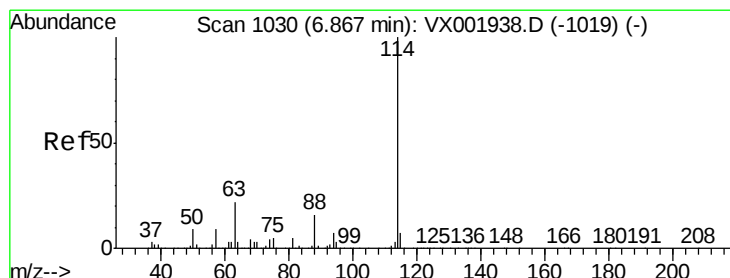
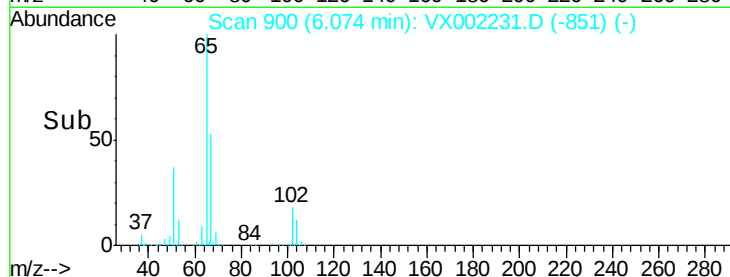
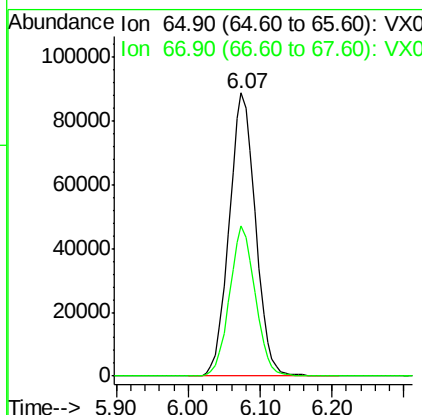
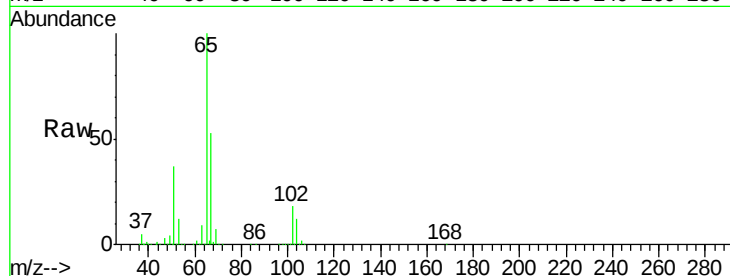




#33
 1,2-Dichloroethane-d4
 Concen: 54.63 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002231.D
 Acq: 01 Jun 2018 23:57

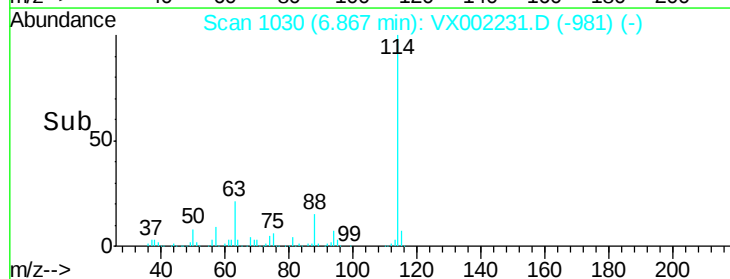
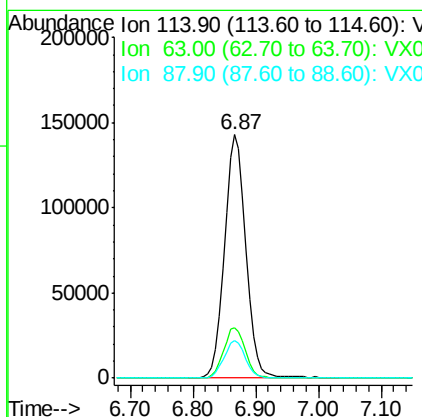
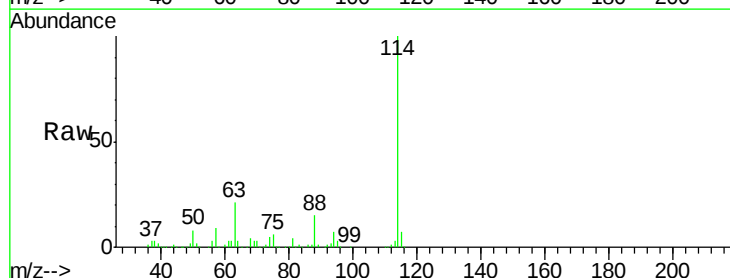
Instrument :
 MSVOA_X
 ClientSampleId :

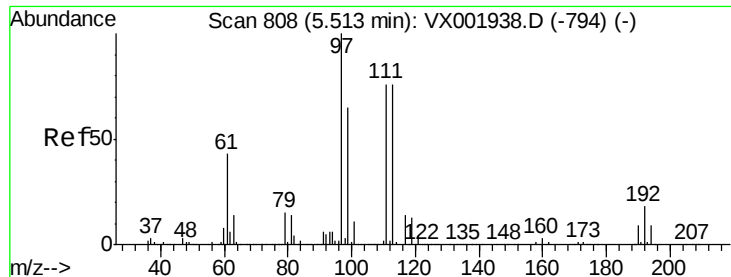
Tot Ion: 65 Resp: 225862
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002231.D
 Acq: 01 Jun 2018 23:57

Tgt Ion: 114 Resp: 337142
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 15.2 0.0 31.6

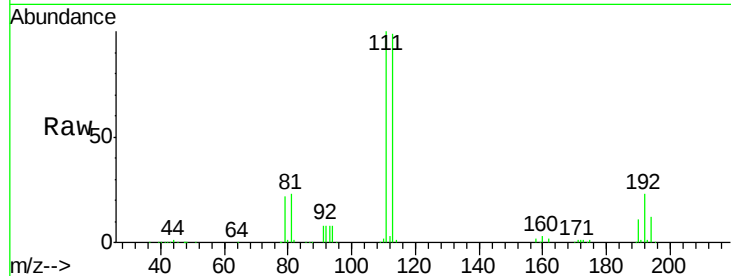




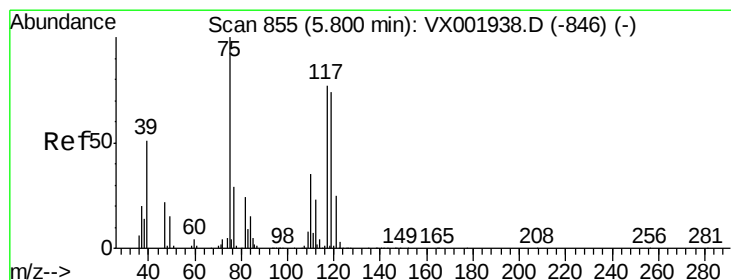
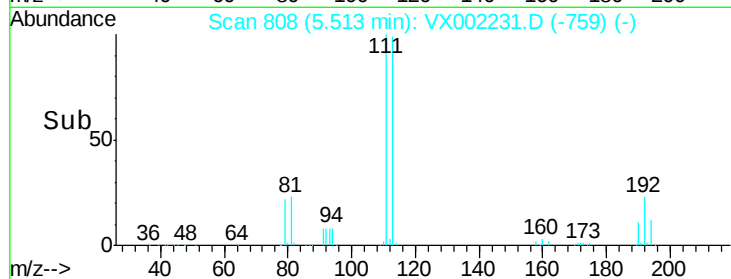
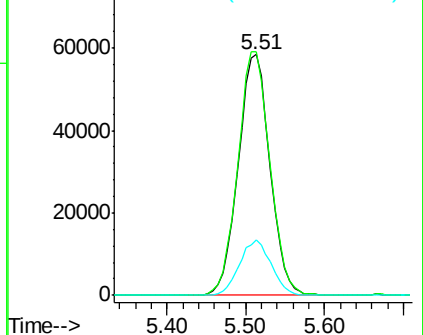
#35
 Dibromofluoromethane
 Concen: 48.67 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX002231.D
 Acq: 01 Jun 2018 23:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	22.9	18.9	28.3

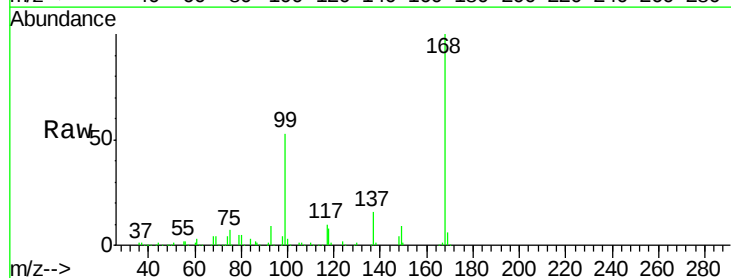


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

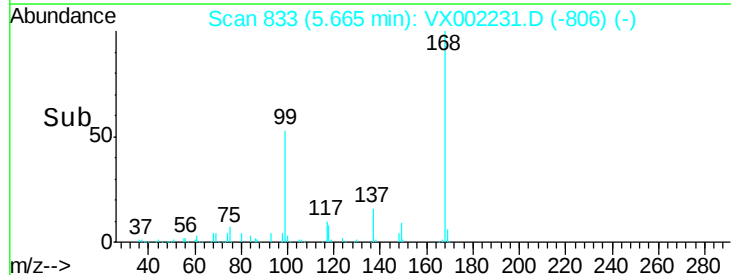
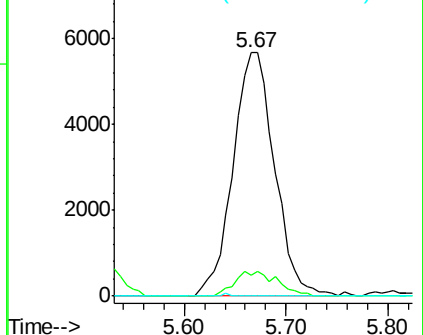


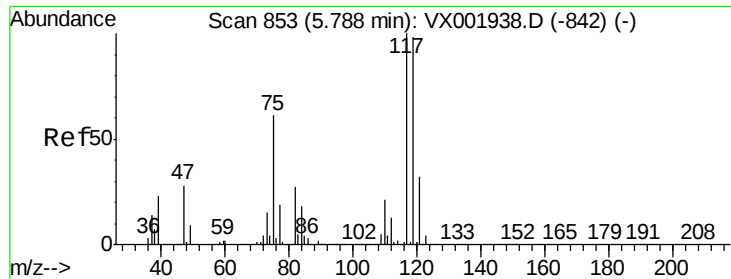
#36
 1,1-Dichloropropene
 Concen: 3.41 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002231.D
 Acq: 01 Jun 2018 23:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.4	52.2#
77	0.0	24.4	36.6#



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: 3.99 ua/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002231.D

Acq: 01 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampled :

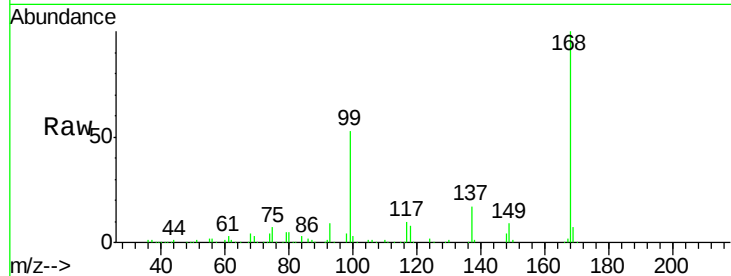
Tot Ion:117 Resp: 21837

Ion Ratio Lower Upper

117 100

119 4.4 78.5 117.7#

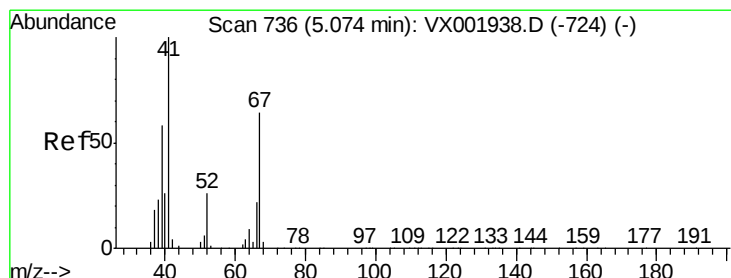
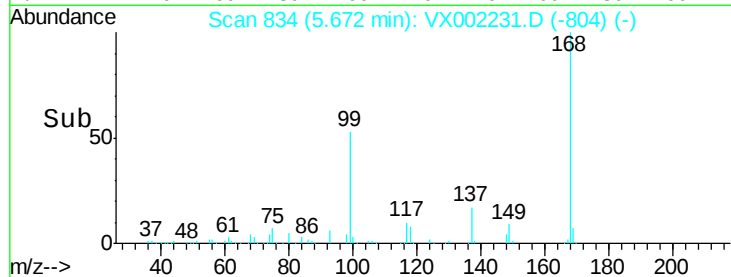
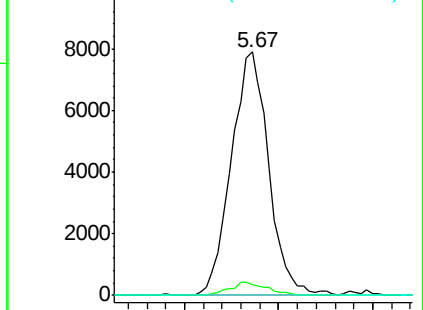
121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.04 min Scan# 731

Delta R.T. -0.03 min

Lab File: VX002231.D

Acq: 01 Jun 2018 23:57

Tgt Ion: 41 Resp: 482

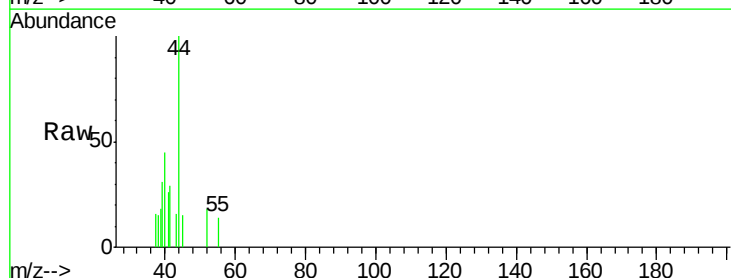
Ion Ratio Lower Upper

41 100

39 0.0 46.0 69.0#

67 4.4 50.6 75.8#

52 18.7 21.9 32.9#

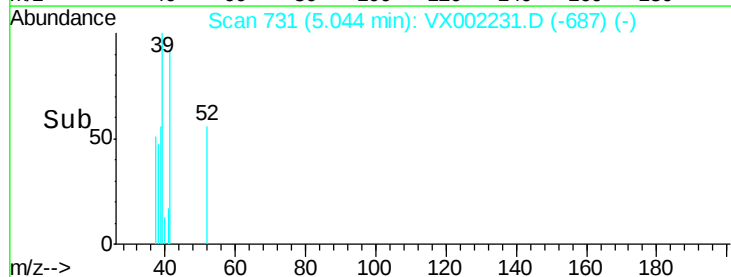
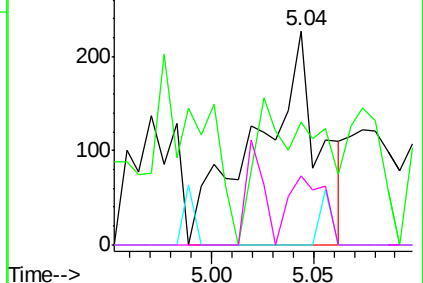


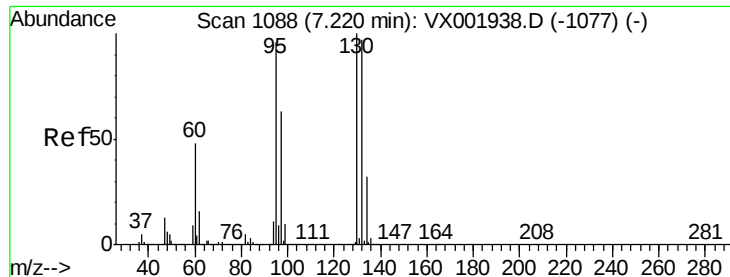
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#44

Trichloroethene

Concen: 0.54 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002231.D

Acq: 01 Jun 2018 23:57

Instrument :

MSVOA_X

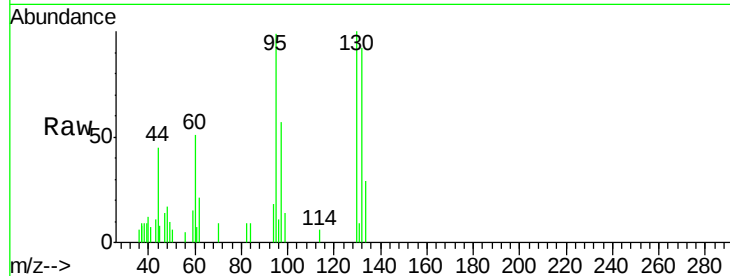
ClientSampleId :

Tot Ion:130 Resp: 2157

Ion Ratio Lower Upper

130 100

95 99.0 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

1000

800

600

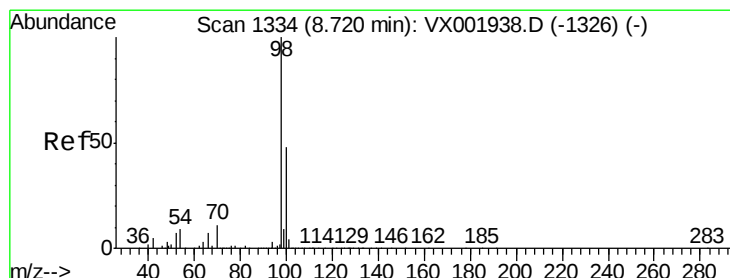
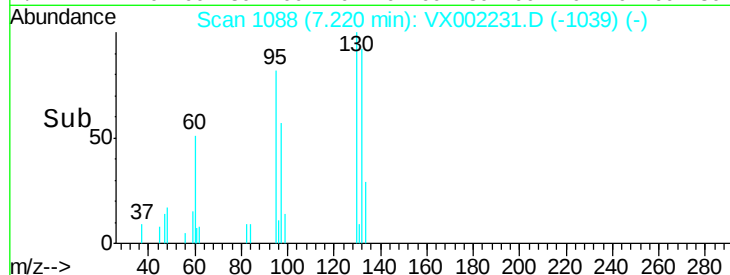
400

200

0

Time-->

7.15 7.20 7.25 7.30



#50

Toluene-d8

Concen: 53.44 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002231.D

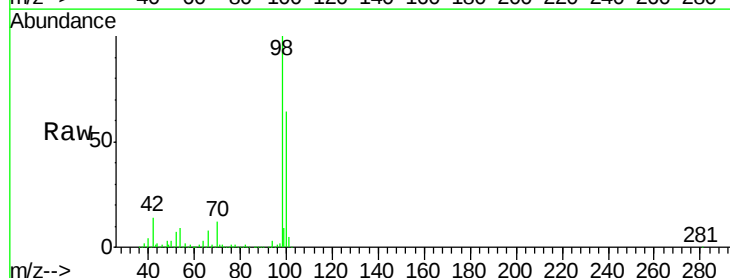
Acq: 01 Jun 2018 23:57

Tgt Ion: 98 Resp: 652243

Ion Ratio Lower Upper

98 100

100 62.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

400000

300000

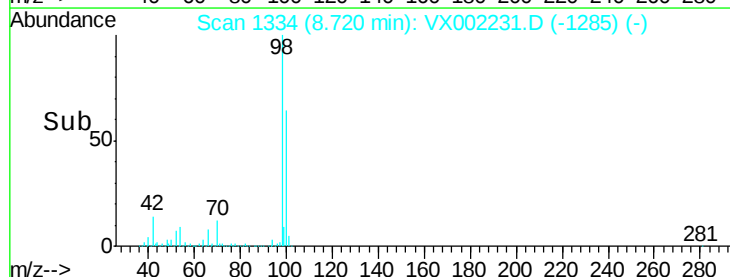
200000

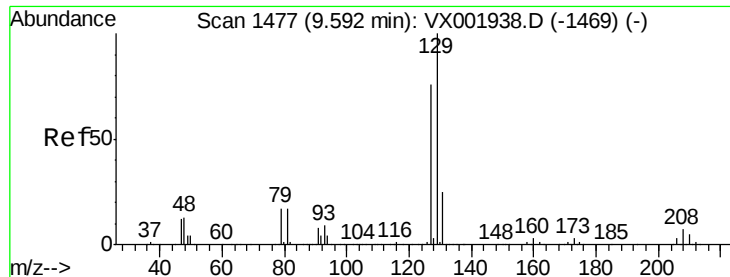
100000

0

Time-->

8.60 8.70 8.80 8.90

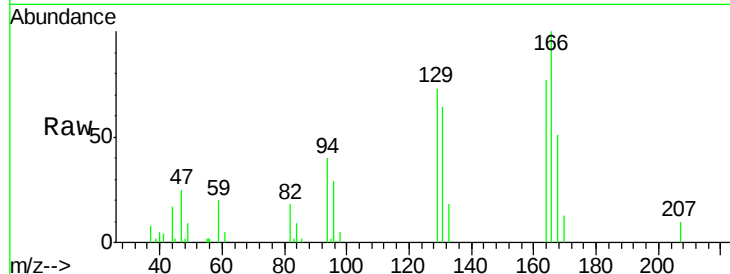




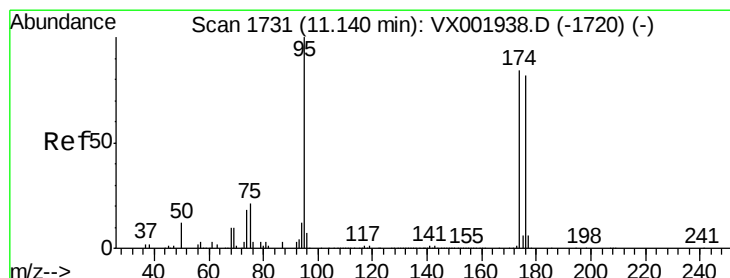
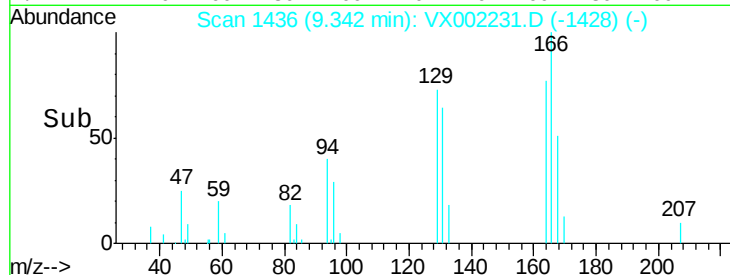
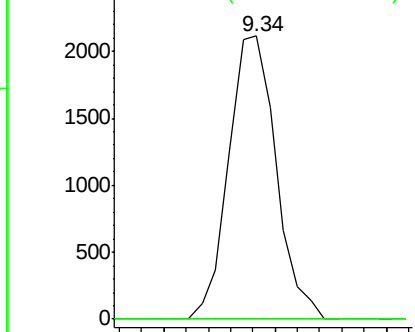
#60
Dibromochloromethane
Concen: 0.72 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.25 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 3136
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

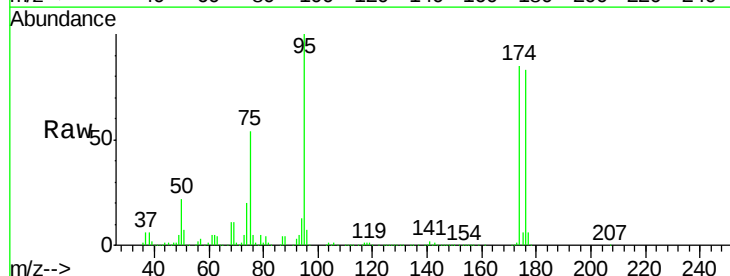


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

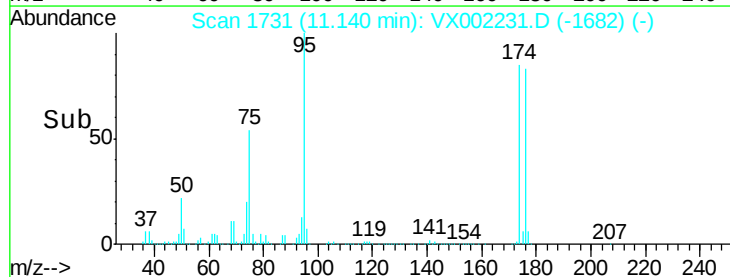
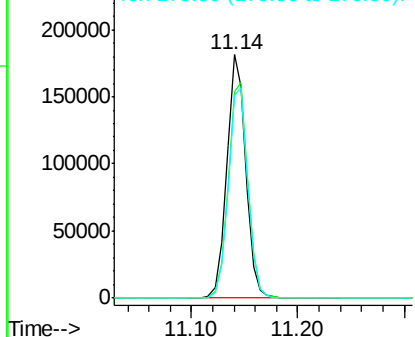


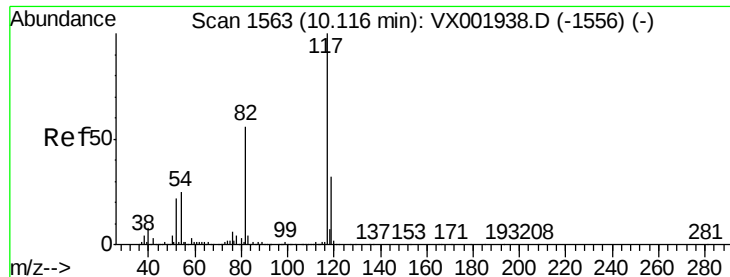
#62
4-Bromofluorobenzene
Concen: 47.34 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Tgt Ion: 95 Resp: 226072
Ion Ratio Lower Upper
95 100
174 91.8 0.0 178.8
176 89.1 0.0 175.6



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

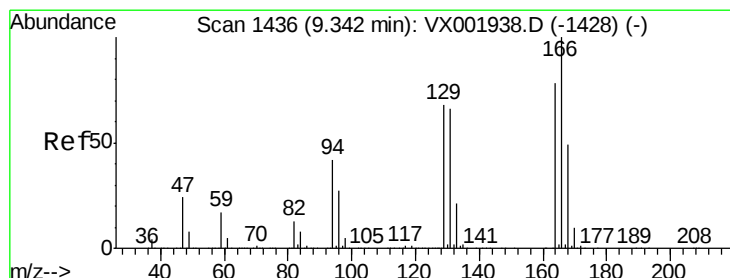
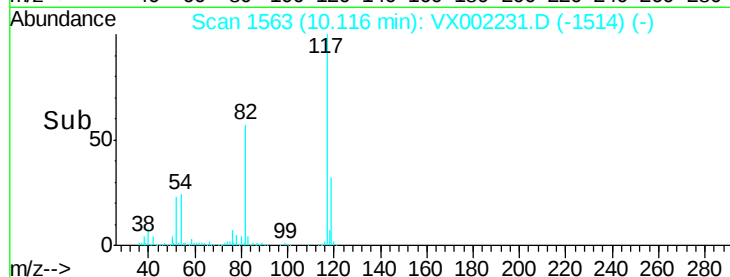
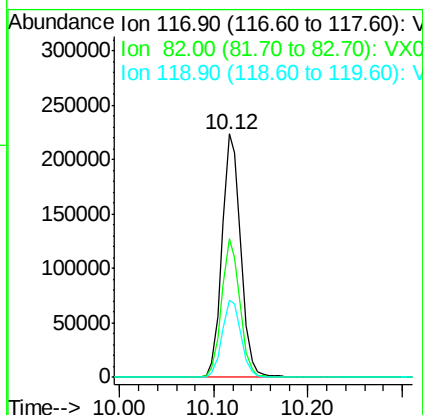
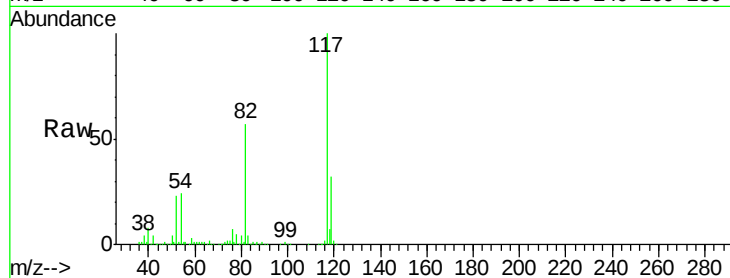




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

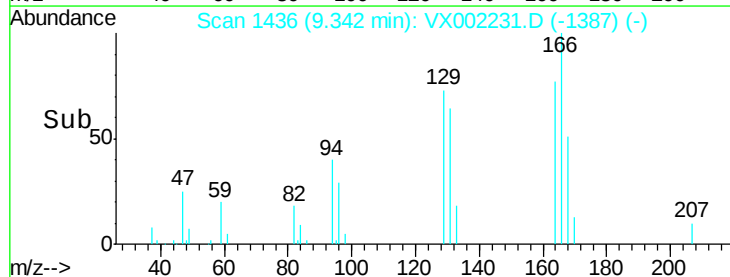
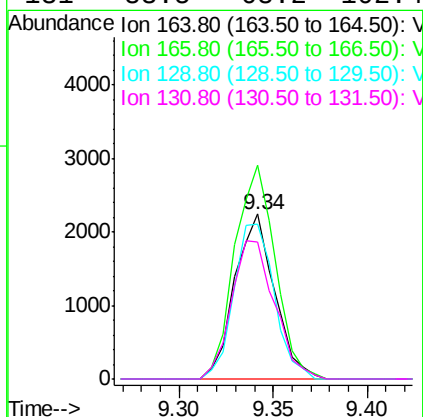
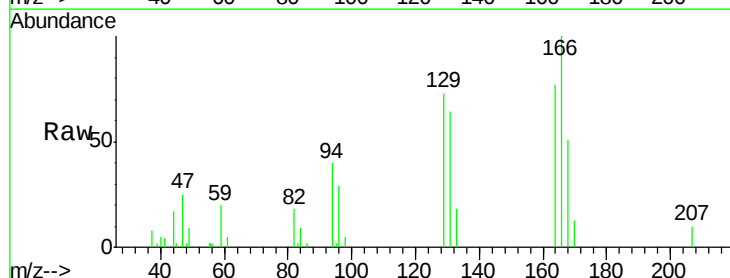
Instrument :
MSVOA_X
ClientSampleId :

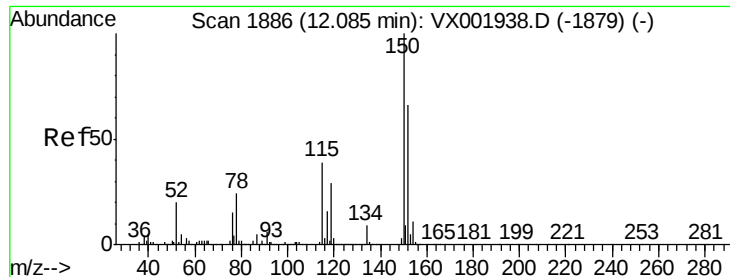
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.8	67.2
119	31.6	25.5	38.3



#64
Tetrachloroethene
Concen: 0.75 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.7	154.1
129	94.2	70.3	105.5
131	83.5	68.2	102.4



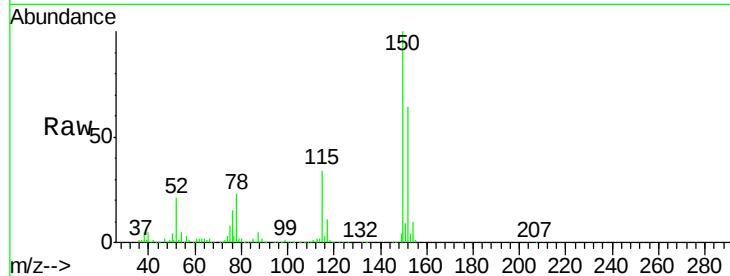


#72

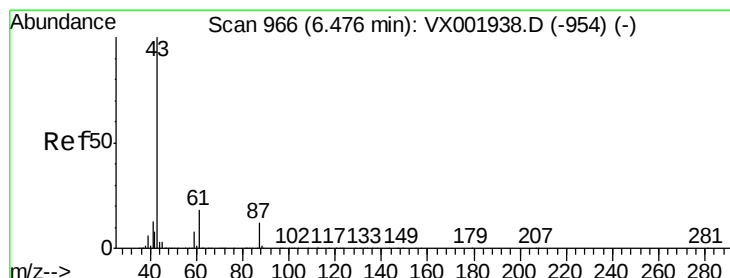
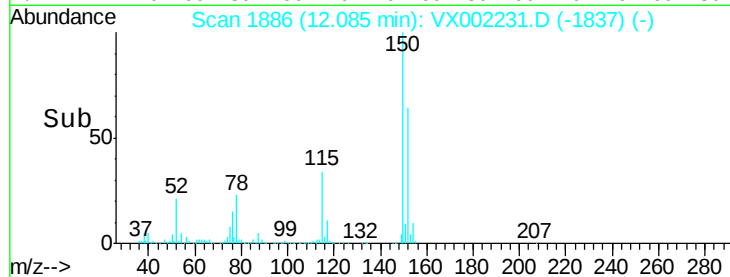
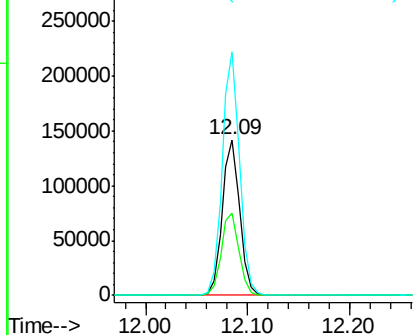
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	42.3	126.8
150	154.6	0.0	351.0



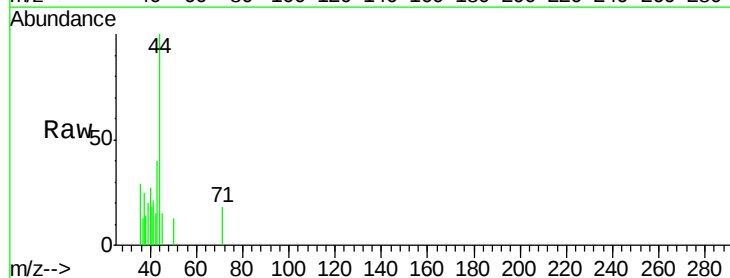
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



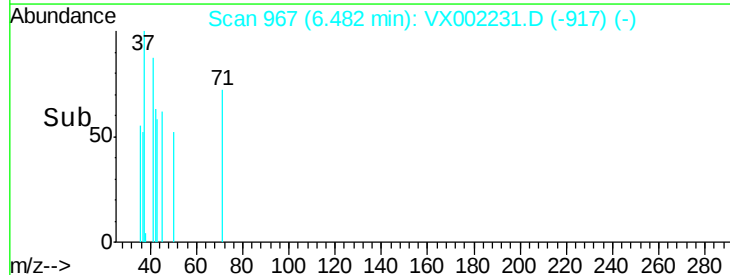
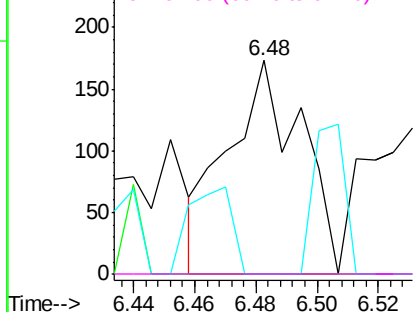
#74

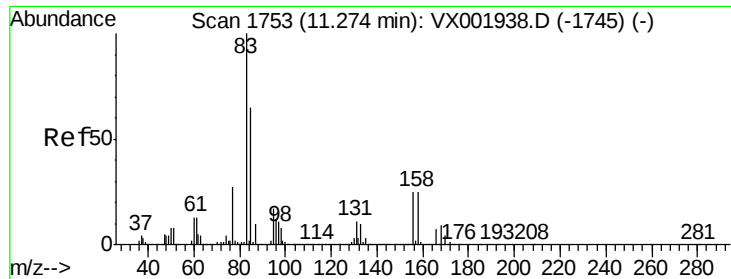
N-ethyl acetate
Concen: Below Cal
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.1	0.1#
55	24.3	0.1	0.1#
61	0.0	14.5	21.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.18 min Scan# 1738

Delta R.T. -0.09 min

Lab File: VX002231.D

Acq: 01 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

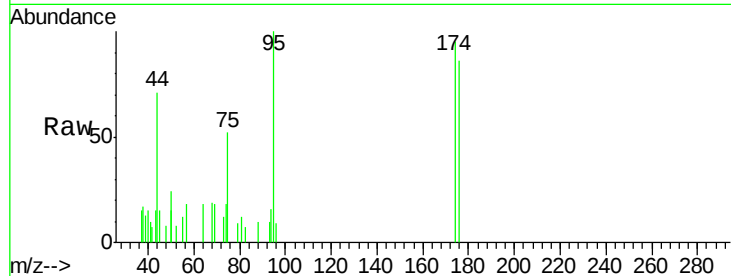
Tot Ion: 83 Resp: 20

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

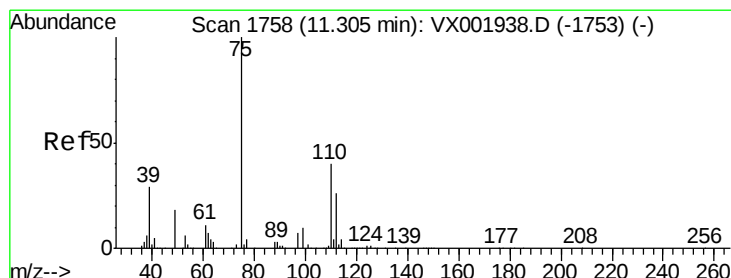
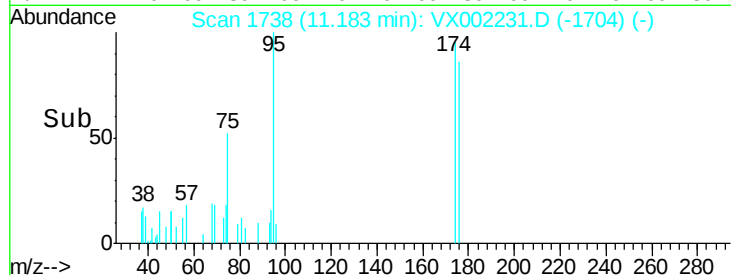
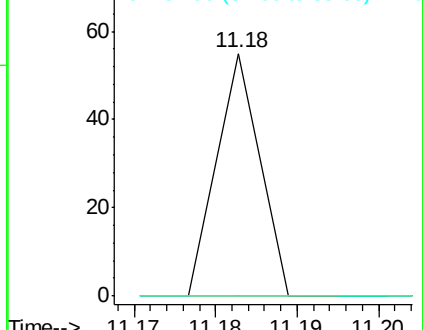
85 0.0 32.6 97.7#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 29.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002231.D

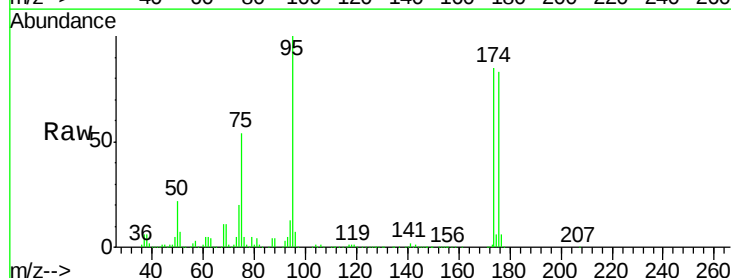
Acq: 01 Jun 2018 23:57

Tgt Ion: 75 Resp: 121101

Ion Ratio Lower Upper

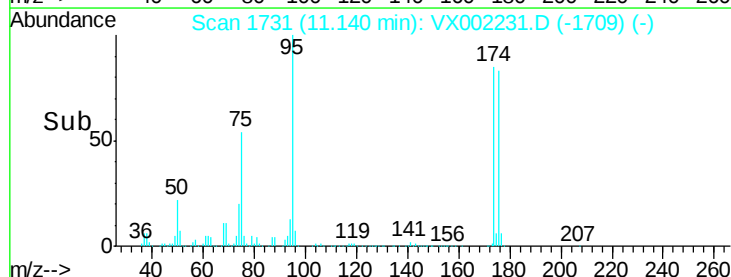
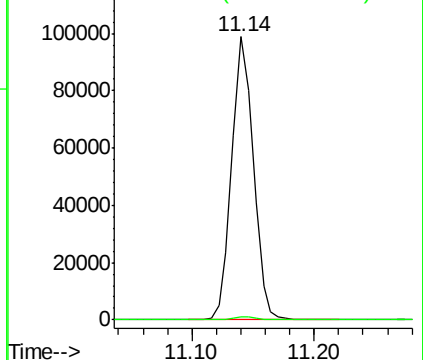
75 100

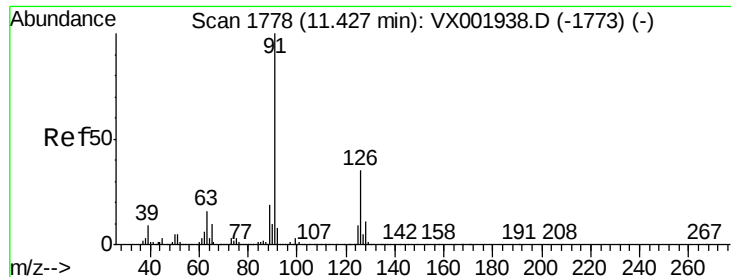
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

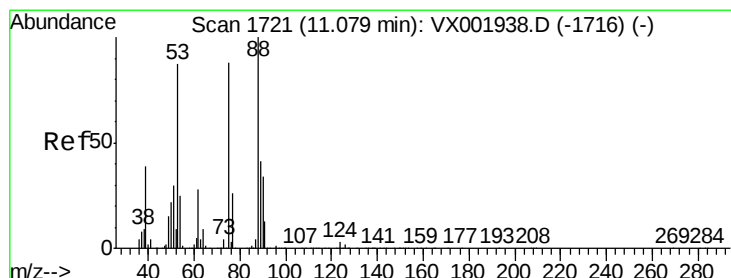
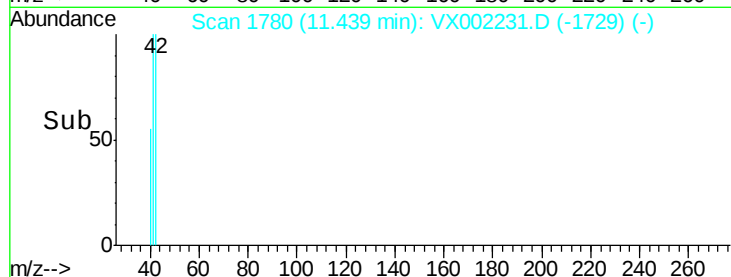
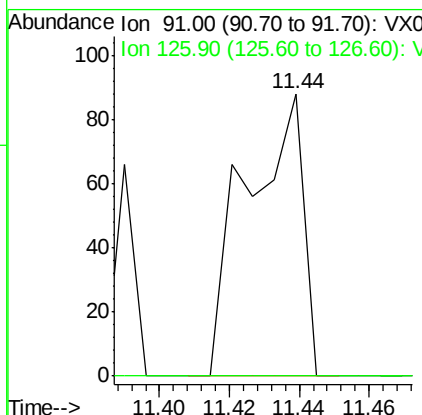
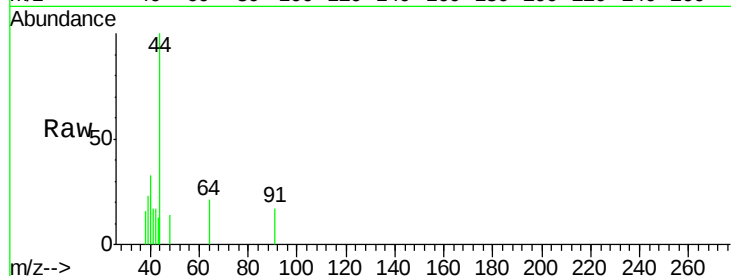




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.44 min Scan# 1780
Delta R.T. 0.01 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 99
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.59 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002231.D
Acq: 01 Jun 2018 23:57

Tgt Ion: 75 Resp: 121101
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 39.4 59.2#

