

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010074.D
 Acq On : 05 Jun 2019 14:07
 Operator : JC/SP
 Sample : K3190-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:32:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	180172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	287736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113821	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	118133	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
35) Dibromofluoromethane	5.49	113	87121	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	8.71	98	363705	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.13	95	123622	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	

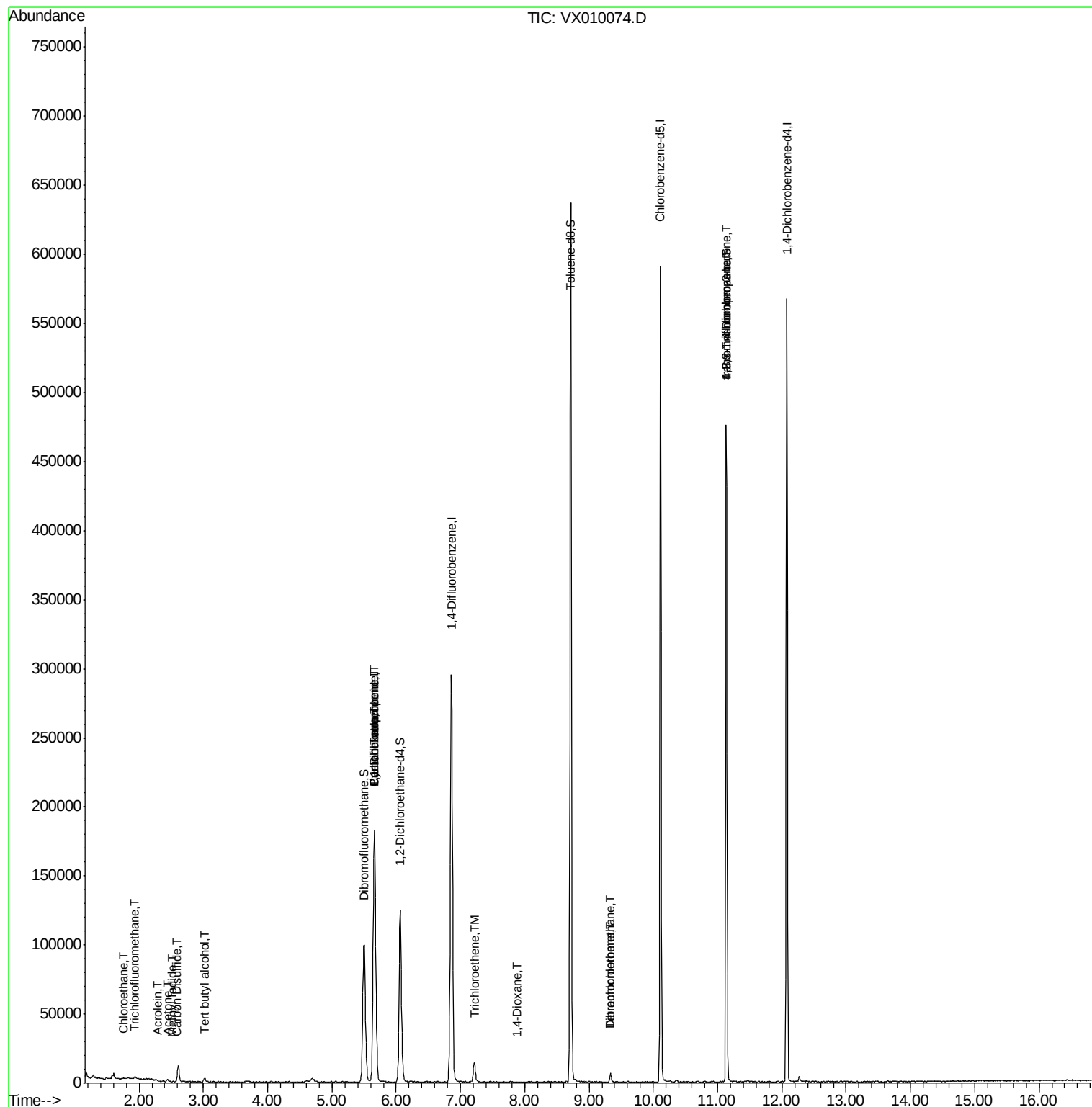
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.76	64	1312	0.799	ug/l #	74
7) Trichlorofluoromethane	1.93	101	726	0.246	ug/l	85
10) Methyl Iodide	2.51	142	173	4.728	ug/l #	42
11) Tert butyl alcohol	3.02	59	1702	2.717	ug/l #	76
13) Acrolein	2.29	56	29	21.157	ug/l #	1
16) Acetone	2.44	43	2196	1.493	ug/l	98
17) Carbon Disulfide	2.57	76	511	0.476	ug/l #	76
31) Cyclohexane	5.66	56	3912	1.010	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13825	4.736	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16384	6.494	ug/l #	17
44) Trichloroethene	7.22	130	5639	2.681	ug/l	85
49) 1,4-Dioxane	7.87	88	20	0.331	ug/l #	8
60) Dibromochloromethane	9.33	129	1171	0.562	ug/l #	11
64) Tetrachloroethene	9.33	164	1216	0.674	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	62721	23.044	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62721	57.014	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010074.D

Acq: 05 Jun 2019 14:07

Instrument :

MSVOA_X

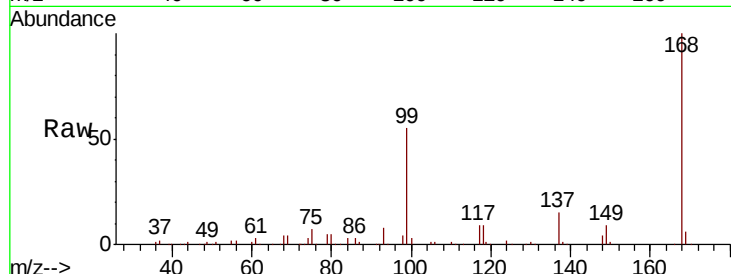
ClientSampleId :

Tot Ion:168 Resp: 180172

Ion Ratio Lower Upper

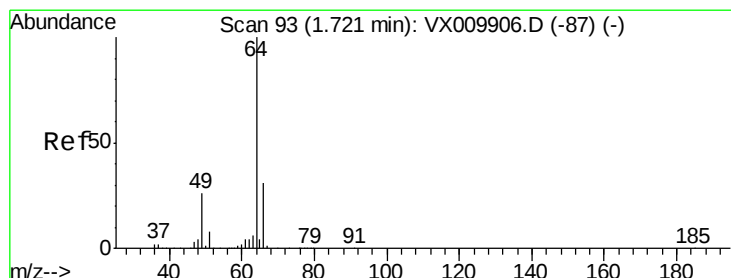
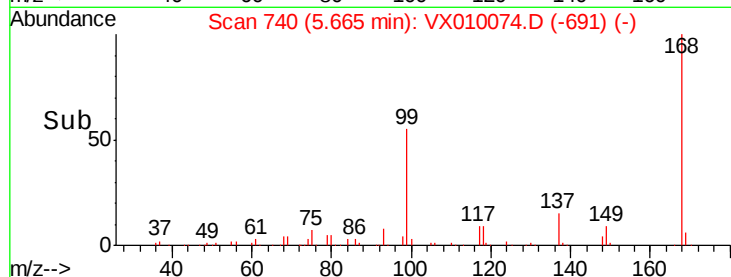
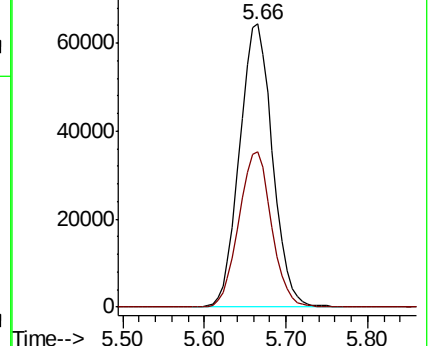
168 100

99 54.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.799 ug/l

RT: 1.76 min Scan# 100

Delta R.T. 0.04 min

Lab File: VX010074.D

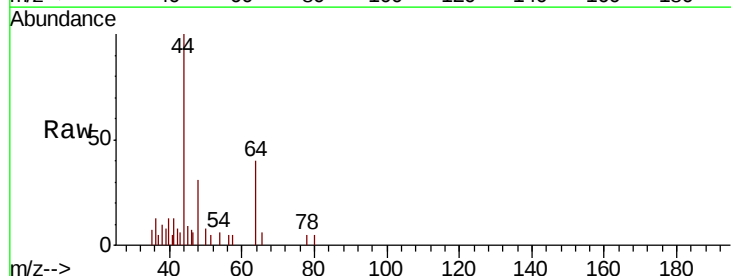
Acq: 05 Jun 2019 14:07

Tgt Ion: 64 Resp: 1312

Ion Ratio Lower Upper

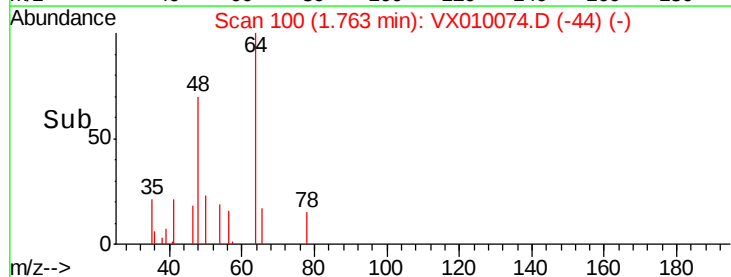
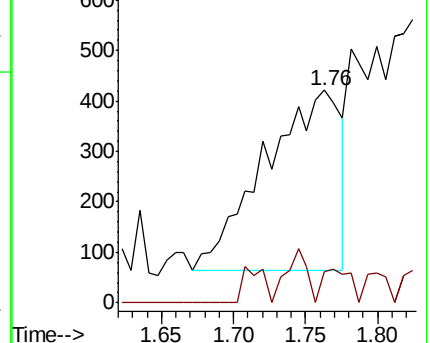
64 100

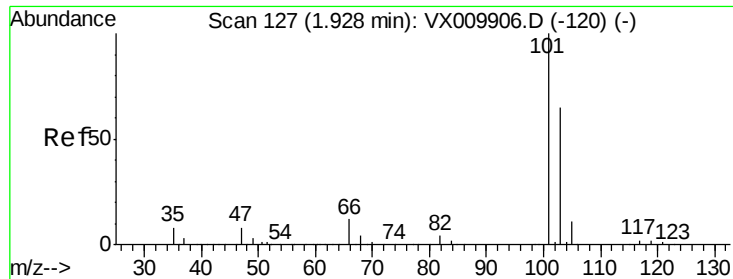
66 17.1 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



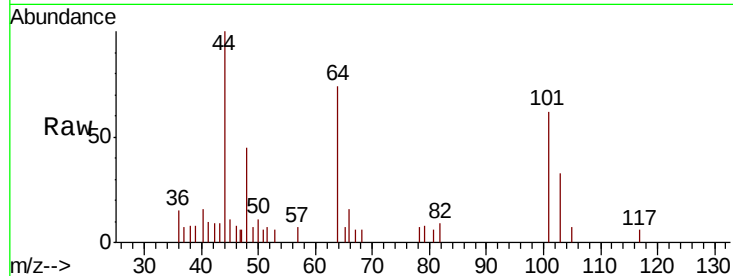


#7

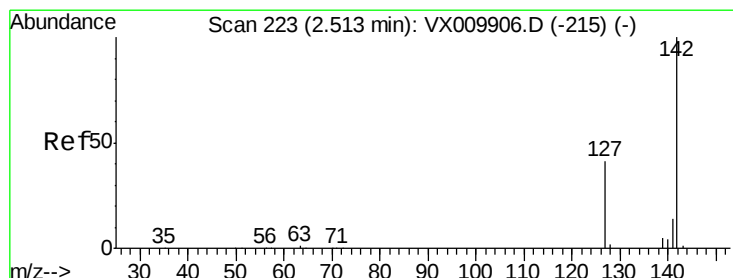
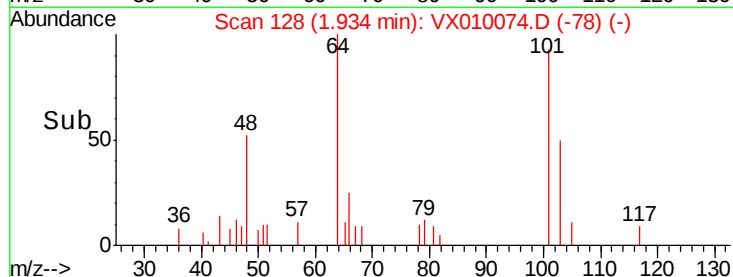
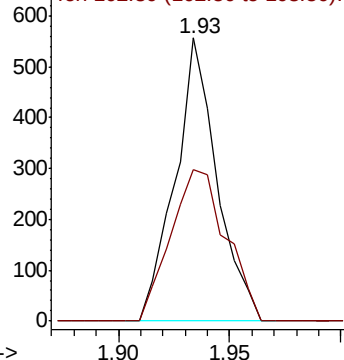
Trichlorofluoromethane
Concen: 0.246 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX010074.D
Acq: 05 Jun 2019 14:07

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:101 Resp: 726
Ion Ratio Lower Upper
101 100
103 53.7 52.2 78.4



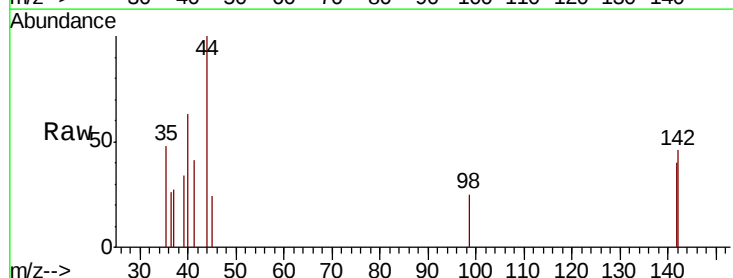
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



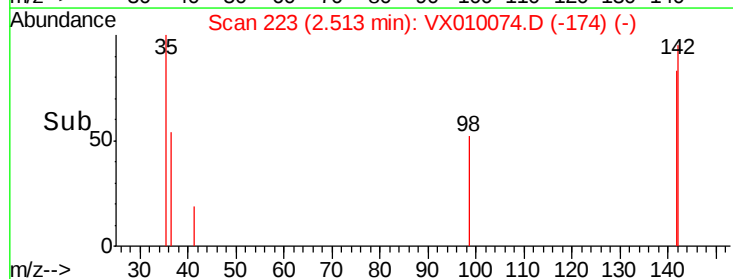
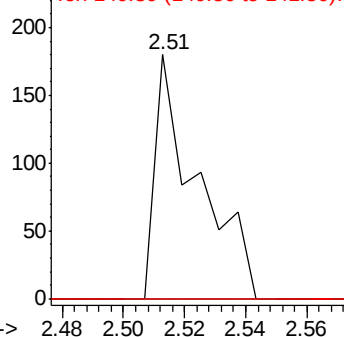
#10

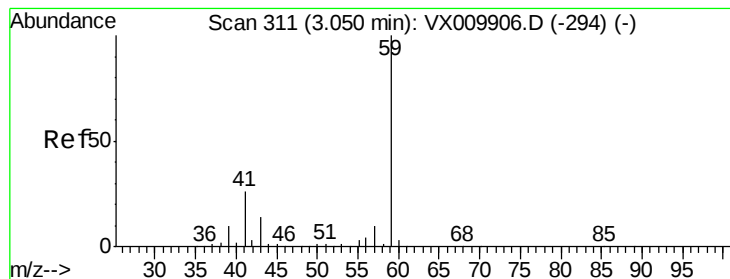
Methyl Iodide
Concen: 4.728 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX010074.D
Acq: 05 Jun 2019 14:07

Tgt Ion:142 Resp: 173
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 0.0 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



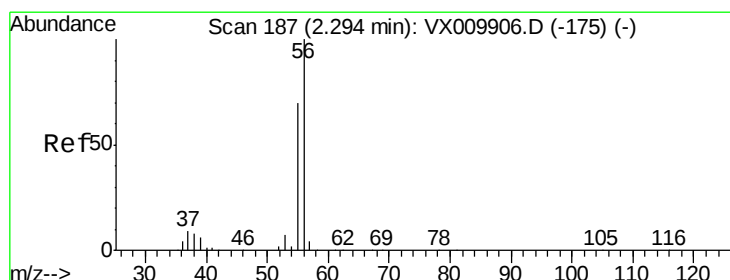
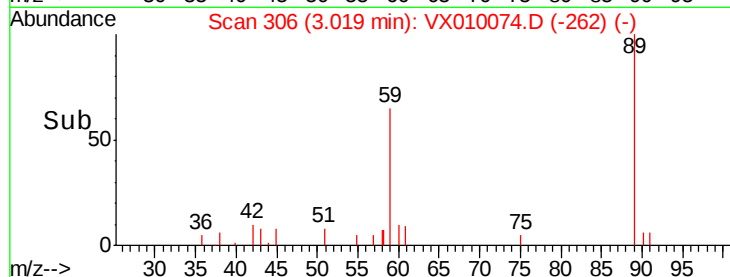
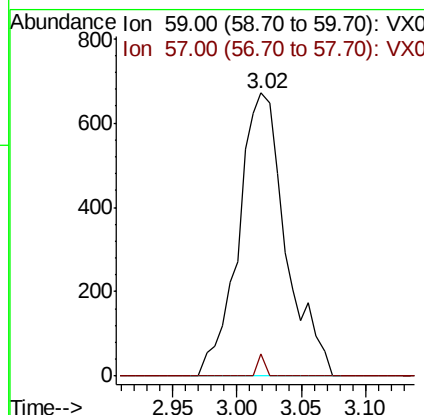
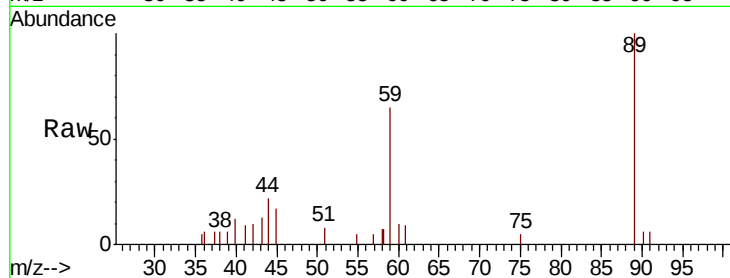


#11

Tert butyl alcohol
 Concen: 2.717 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010074.D
 Acq: 05 Jun 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :

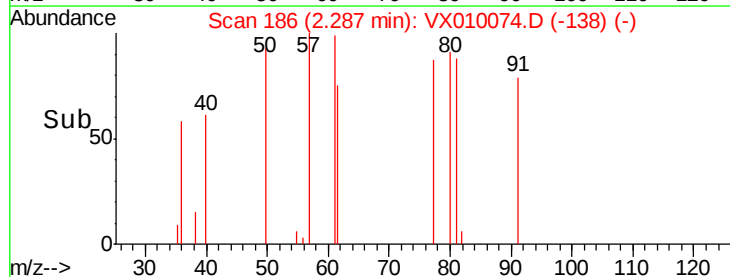
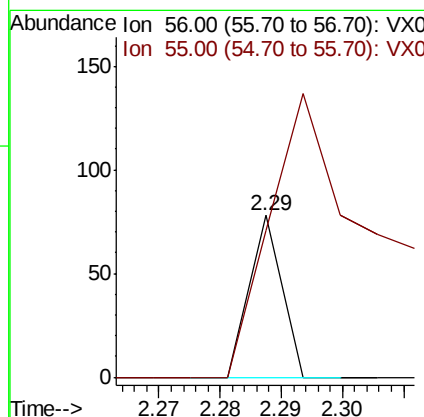
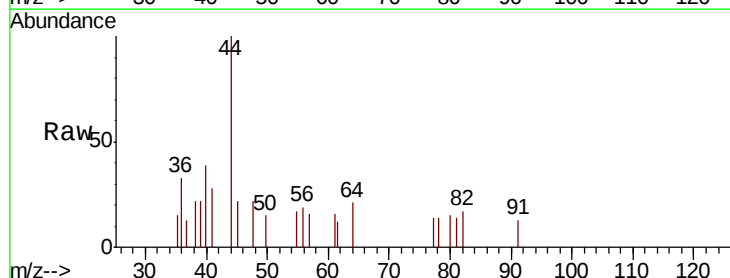
Tot Ion: 59 Resp: 1702
 Ion Ratio Lower Upper
 59 100
 57 1.1 8.2 12.2#

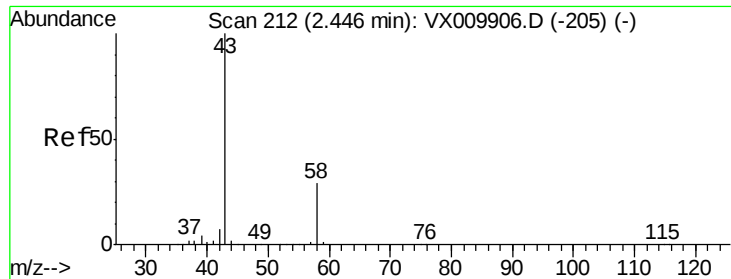


#13

Acrolein
 Concen: 21.157 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010074.D
 Acq: 05 Jun 2019 14:07

Tgt Ion: 56 Resp: 29
 Ion Ratio Lower Upper
 56 100
 55 527.6 57.0 85.4#





#16

Acetone

Concen: 1.493 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010074.D

Acq: 05 Jun 2019 14:07

Instrument :

MSVOA_X

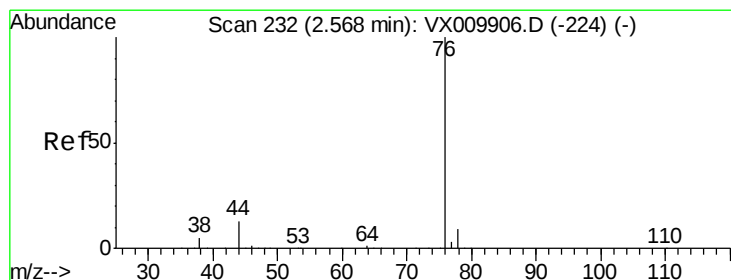
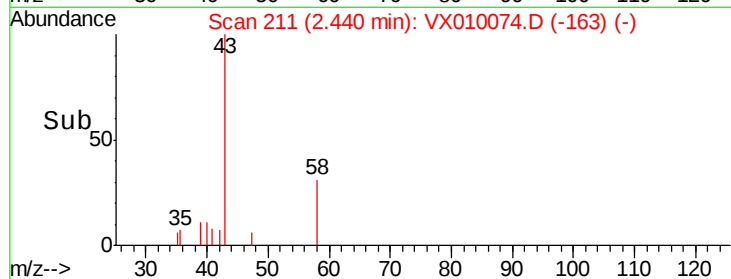
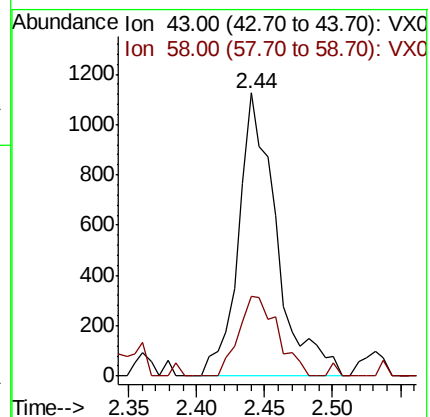
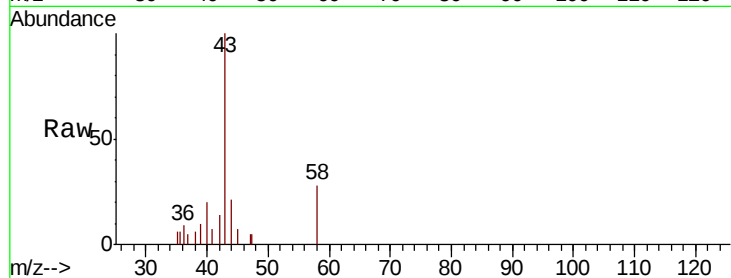
ClientSampleId :

Tot Ion: 43 Resp: 2196

Ion Ratio Lower Upper

43 100

58 28.0 23.2 34.8



#17

Carbon Disulfide

Concen: 0.476 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010074.D

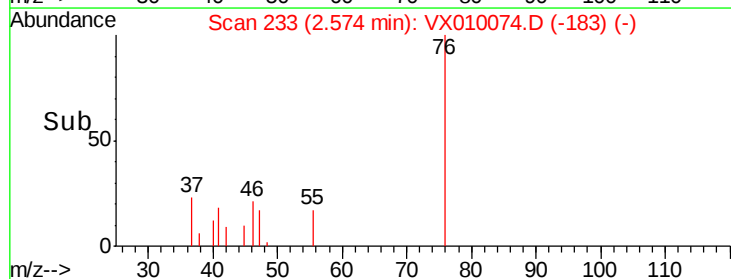
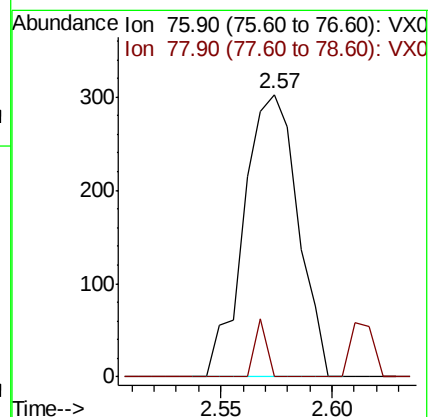
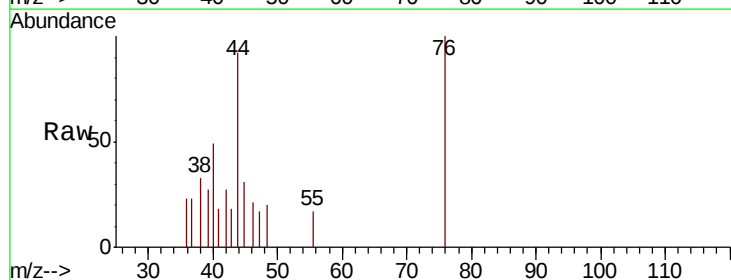
Acq: 05 Jun 2019 14:07

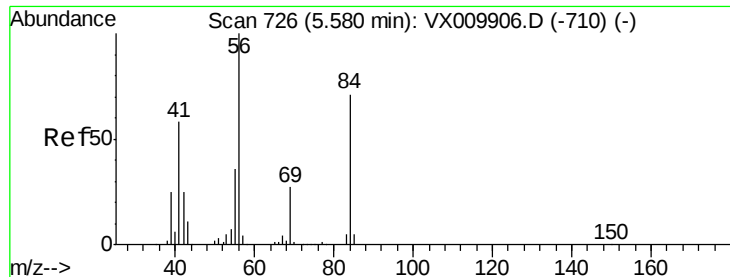
Tgt Ion: 76 Resp: 511

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

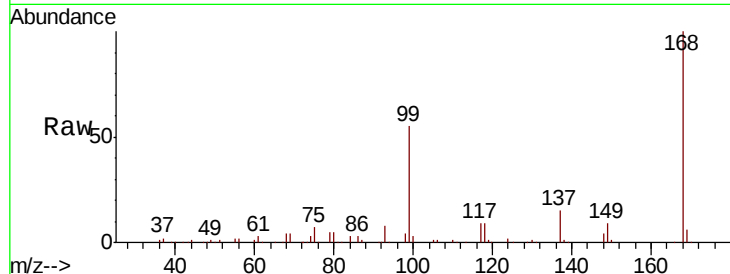




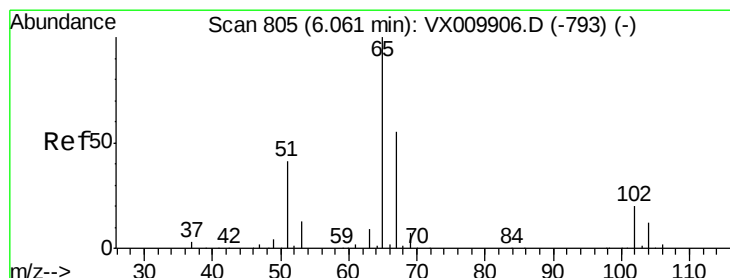
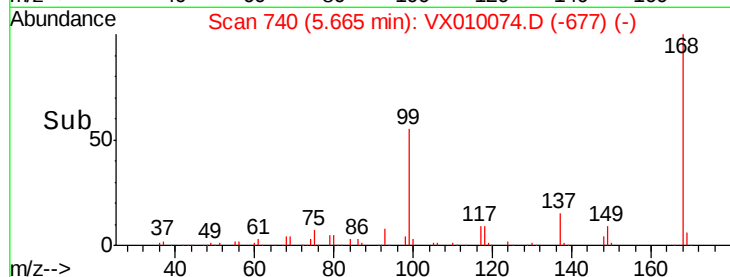
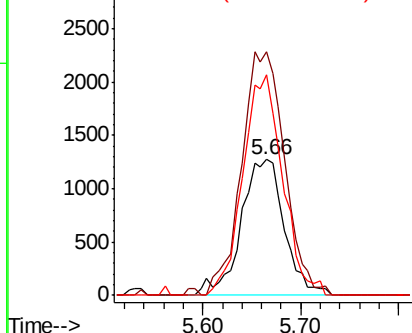
#31
Cyclohexane
Concen: 1.010 ug/l
RT: 5.66 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010074.D
Acq: 05 Jun 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 3912
Ion Ratio Lower Upper
56 100
69 179.1 21.6 32.4#
84 162.3 56.8 85.2#

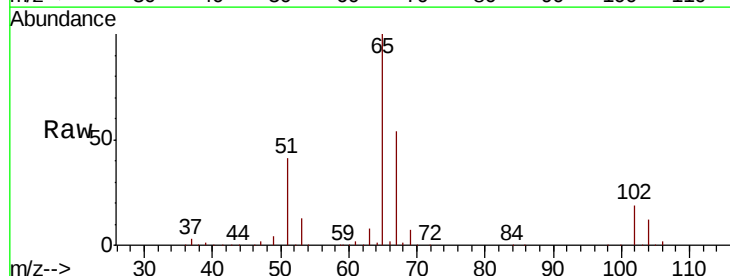


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

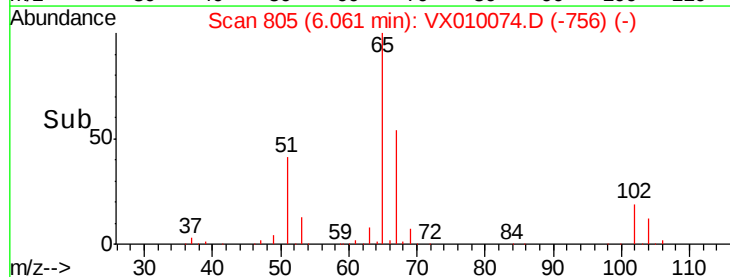
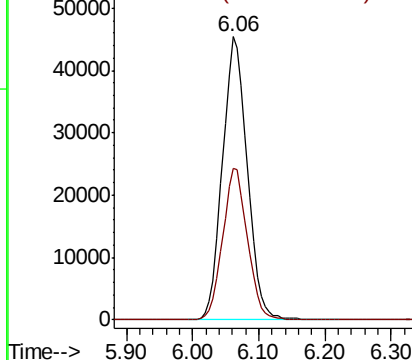


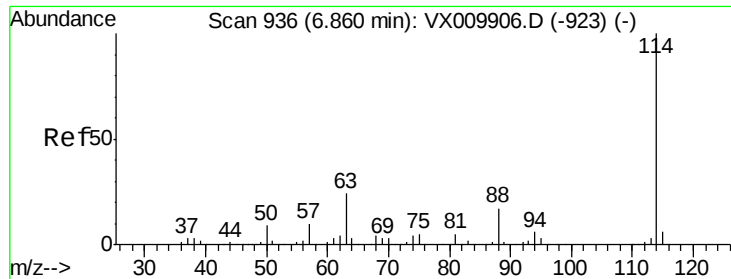
#33
1,2-Dichloroethane-d4
Concen: 46.416 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX010074.D
Acq: 05 Jun 2019 14:07

Tgt Ion: 65 Resp: 118133
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

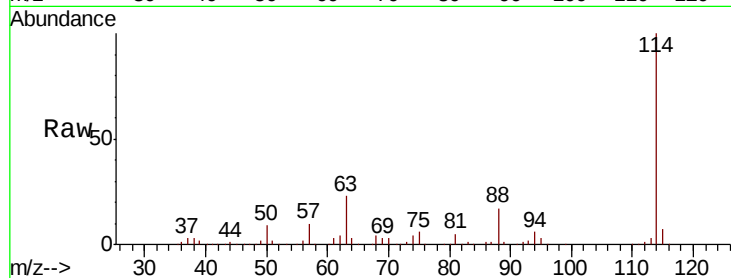




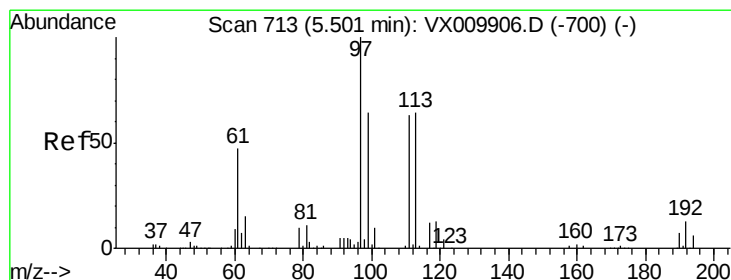
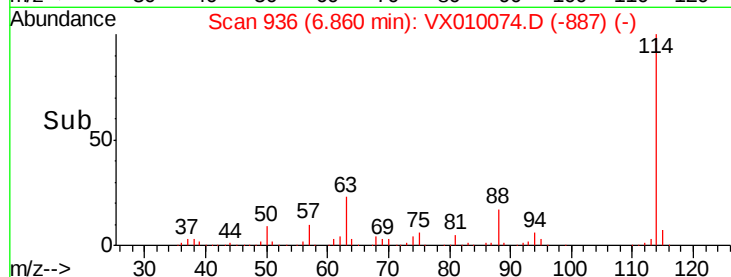
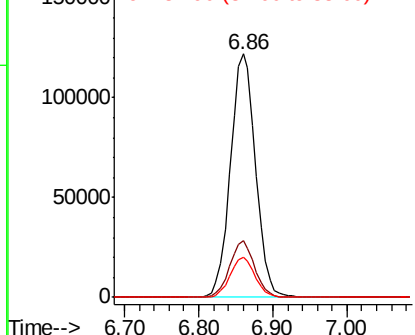
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010074.D
Acq: 05 Jun 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 287736
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.4
88 16.6 0.0 33.0

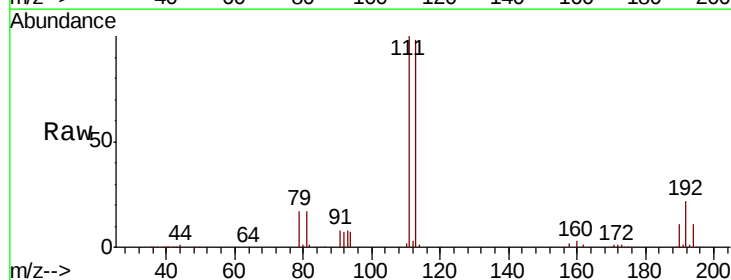


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

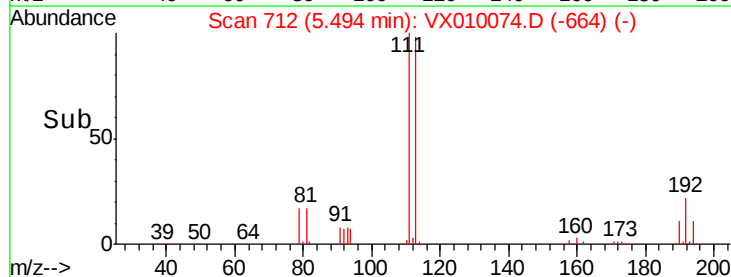
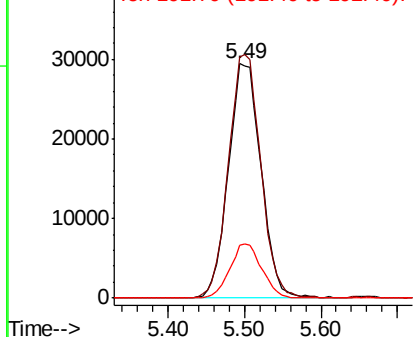


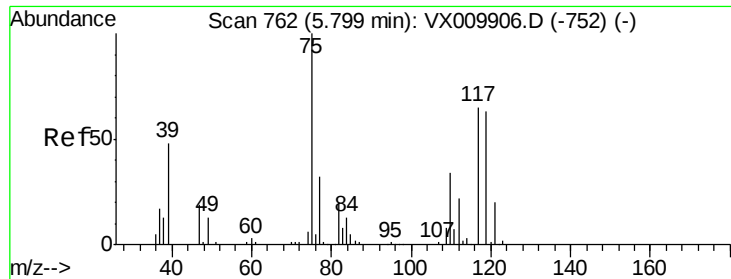
#35
Dibromofluoromethane
Concen: 48.160 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010074.D
Acq: 05 Jun 2019 14:07

Tgt Ion:113 Resp: 87121
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 22.7 17.1 25.7



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

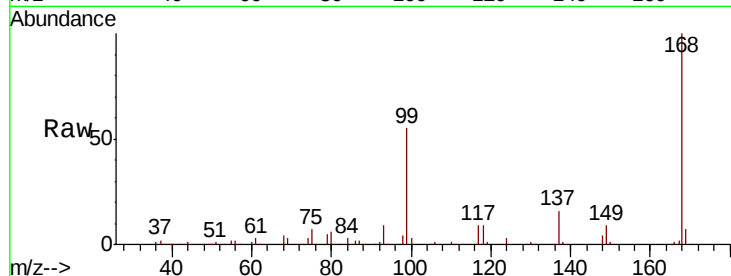




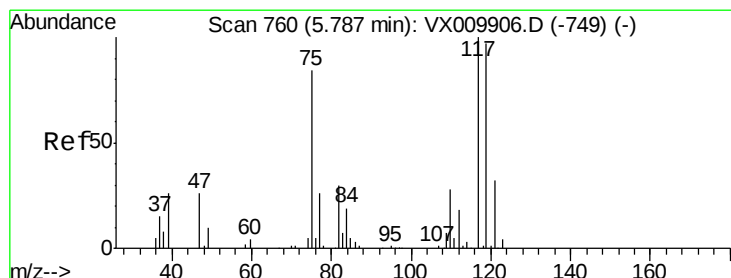
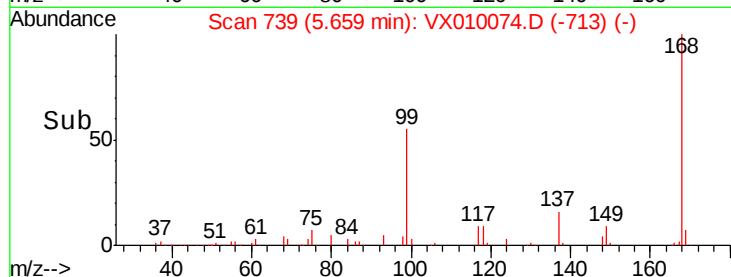
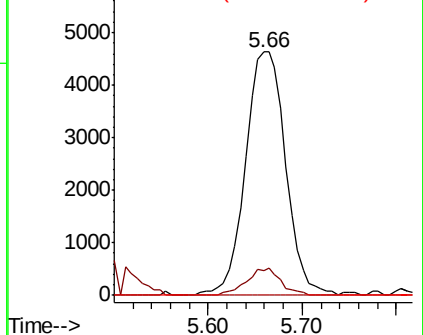
#36
 1,1-Dichloropropene
 Concen: 4.736 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010074.D
 Acq: 05 Jun 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	13825
Ion Ratio	Lower	Upper	
75	100		
110	9.6	16.7	50.1#
77	0.0	25.0	37.4#

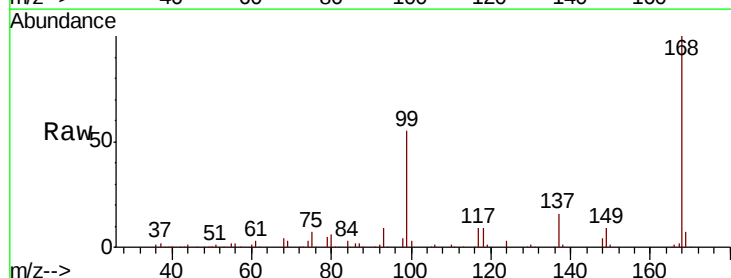


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

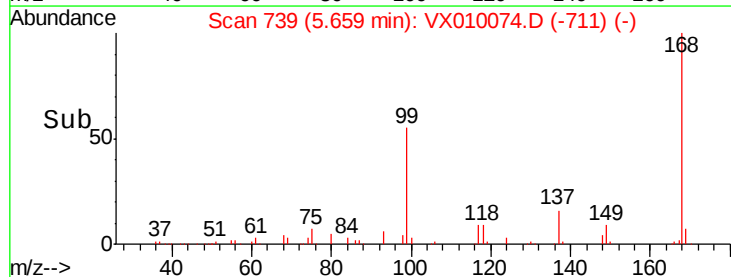
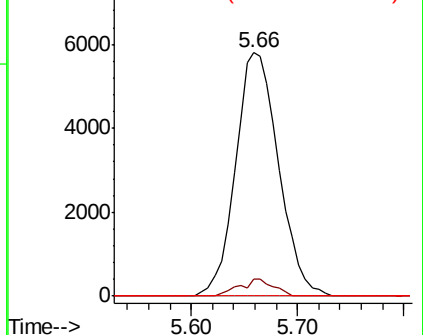


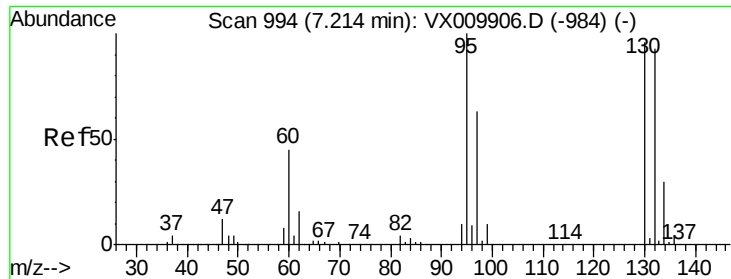
#38
 Carbon Tetrachloride
 Concen: 6.494 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010074.D
 Acq: 05 Jun 2019 14:07

Tgt Ion	117	Resp	16384
Ion Ratio	Lower	Upper	
117	100		
119	7.1	77.3	115.9#
121	0.0	25.4	38.0#



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

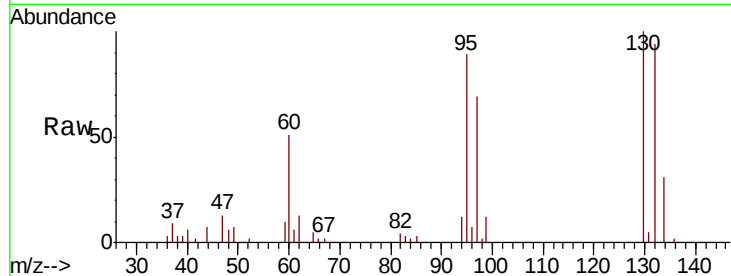




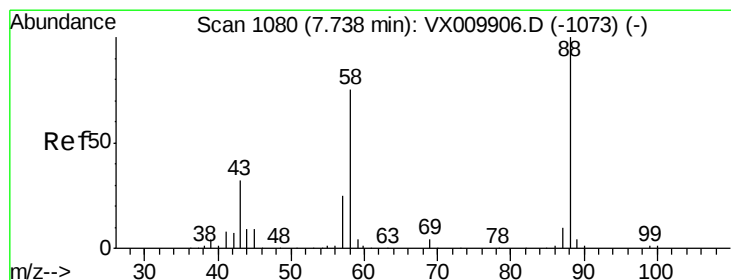
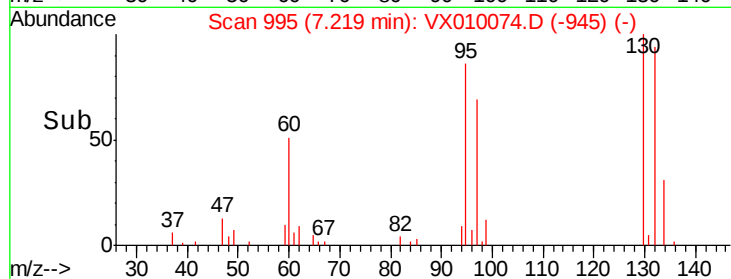
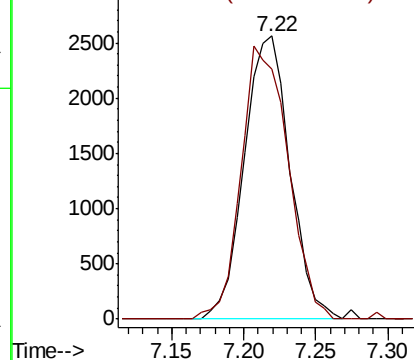
#44
 Trichloroethene
 Concen: 2.681 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX010074.D
 Acq: 05 Jun 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 5639
 Ion Ratio Lower Upper
 130 100
 95 88.6 0.0 207.4

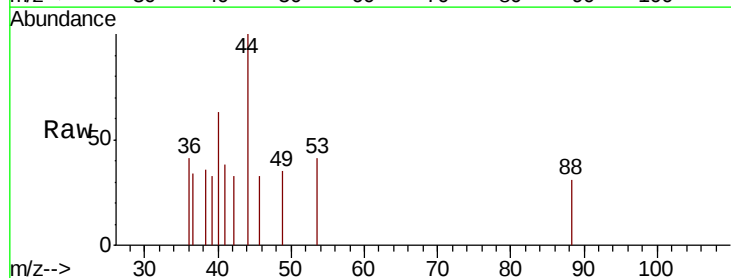


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

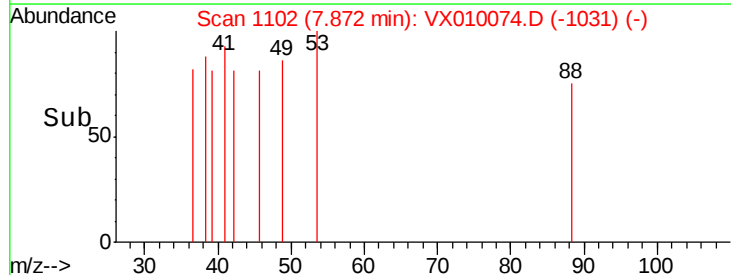
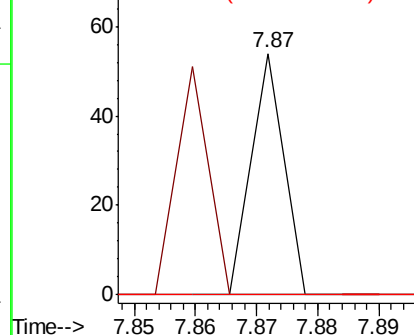


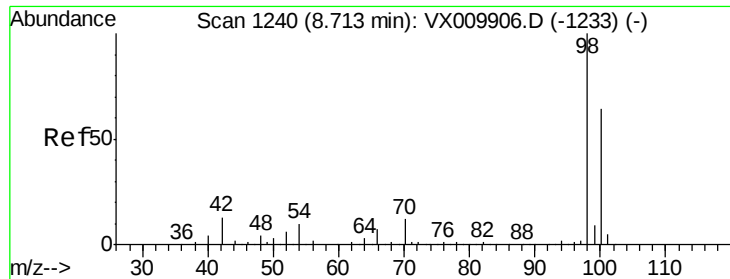
#49
 1,4-Dioxane
 Concen: 0.331 ug/l
 RT: 7.87 min Scan# 1102
 Delta R.T. 0.13 min
 Lab File: VX010074.D
 Acq: 05 Jun 2019 14:07

Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 95.0 30.2 45.4#
 58 0.0 64.0 96.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.511 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010074.D

Acq: 05 Jun 2019 14:07

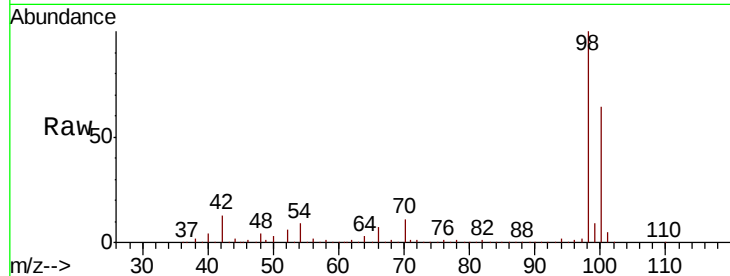
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 363705

Ion Ratio Lower Upper

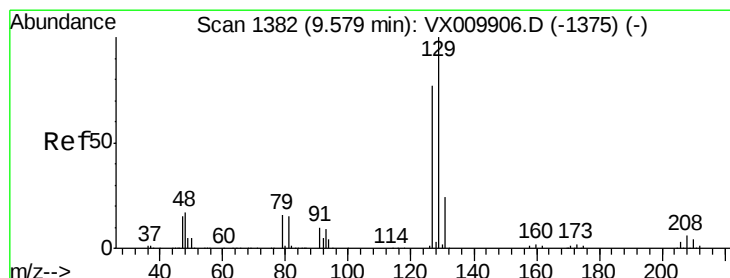
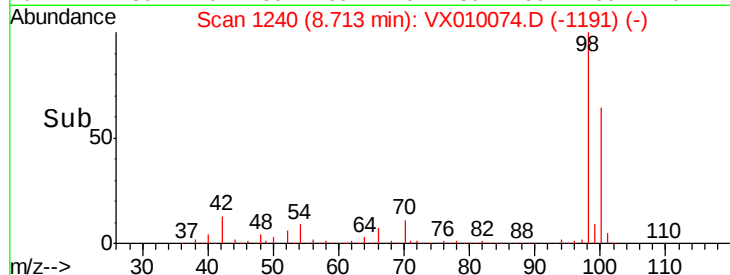
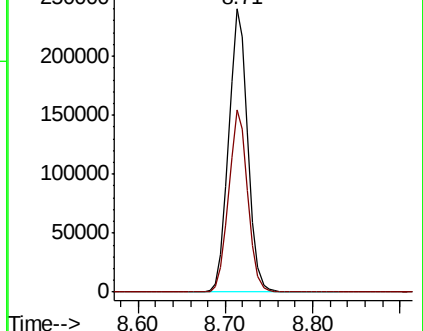
98 100

100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 0.562 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010074.D

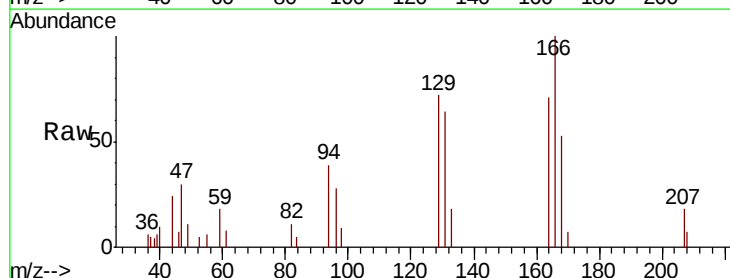
Acq: 05 Jun 2019 14:07

Tgt Ion:129 Resp: 1171

Ion Ratio Lower Upper

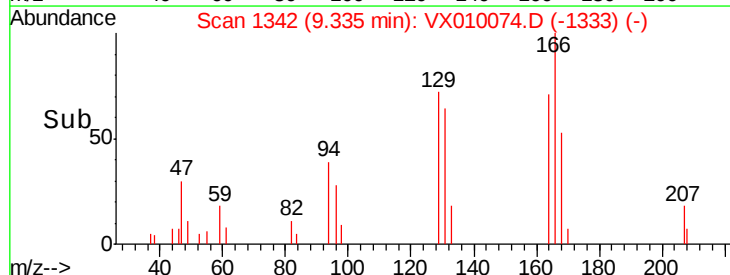
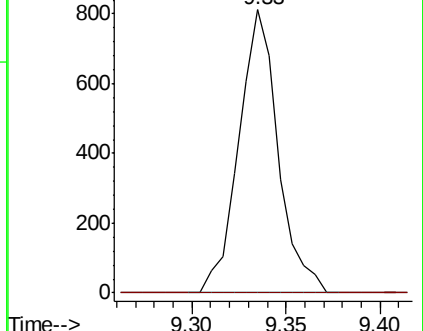
129 100

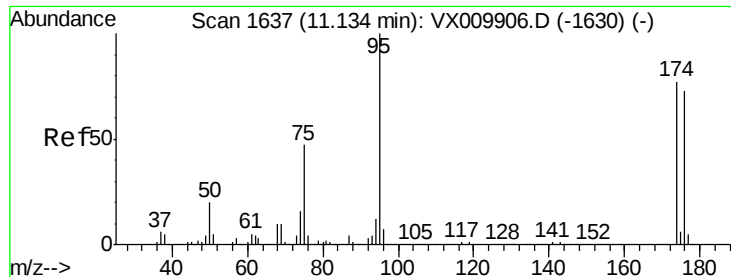
127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 46.852 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010074.D

Acq: 05 Jun 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

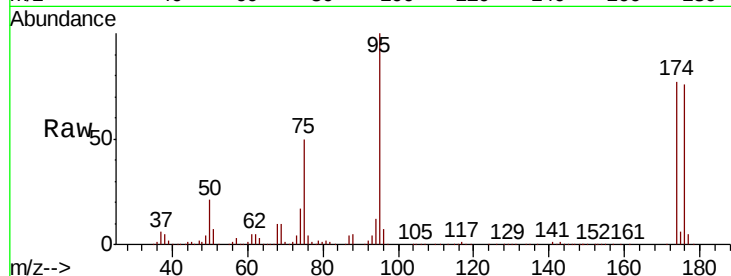
Tot Ion: 95 Resp: 123622

Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.4

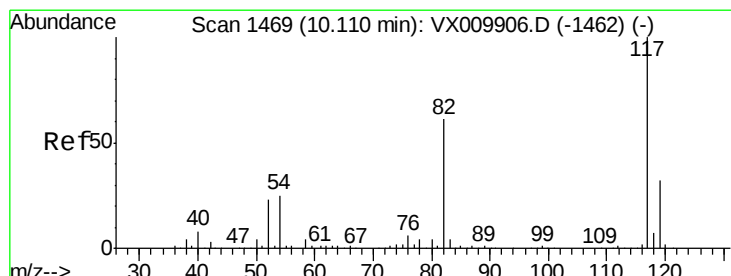
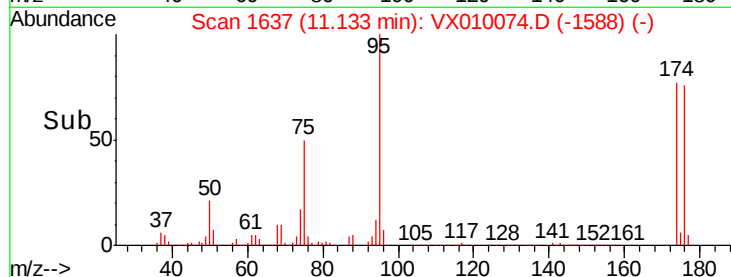
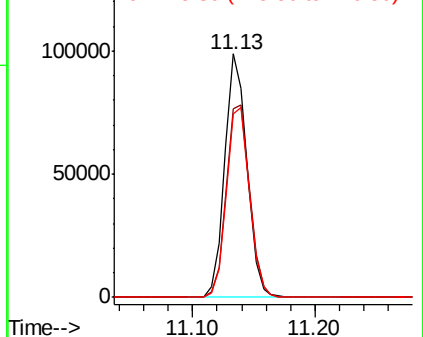
176 80.8 0.0 154.6



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: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010074.D

Acq: 05 Jun 2019 14:07

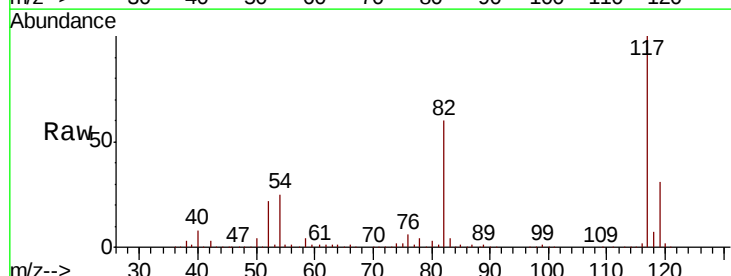
Tgt Ion: 117 Resp: 258366

Ion Ratio Lower Upper

117 100

82 60.3 49.2 73.8

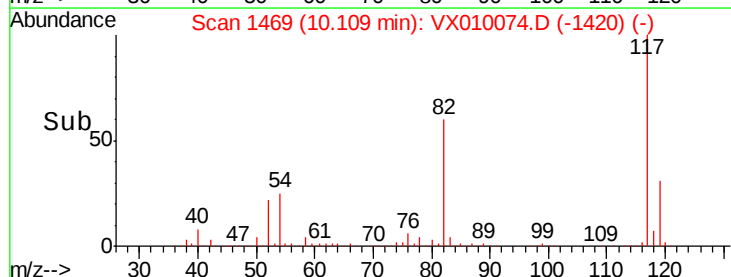
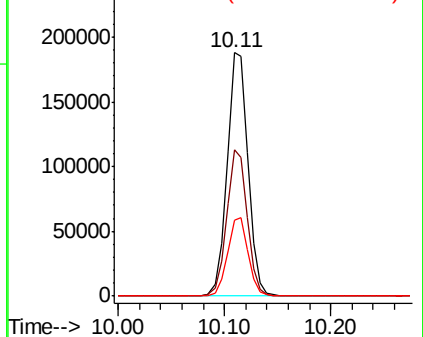
119 31.3 25.2 37.8

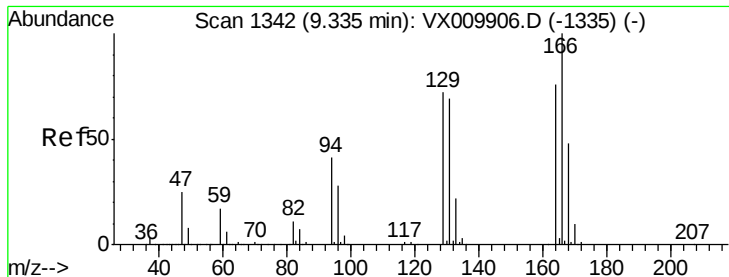


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

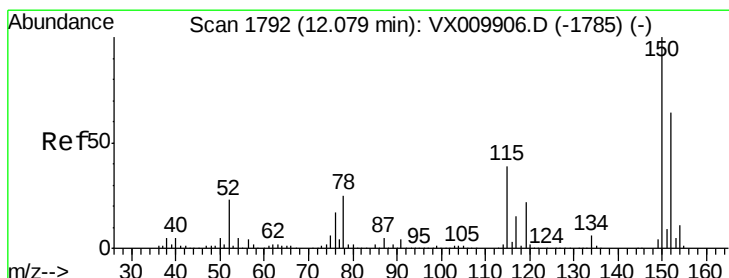
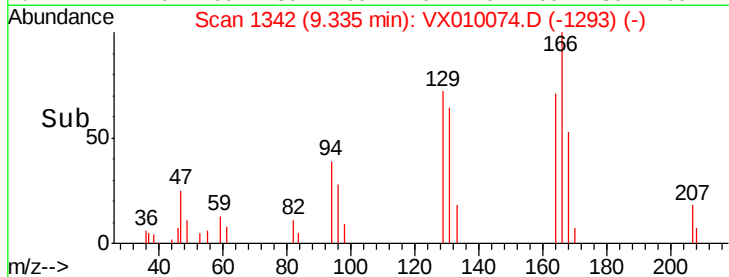
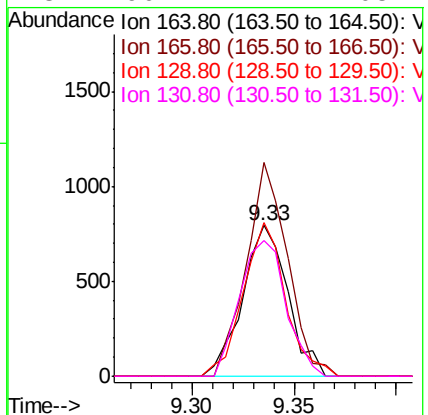
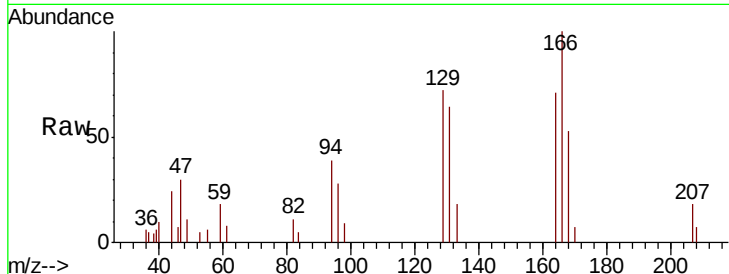




#64
Tetrachloroethene
Concen: 0.674 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010074.D
Acq: 05 Jun 2019 14:07

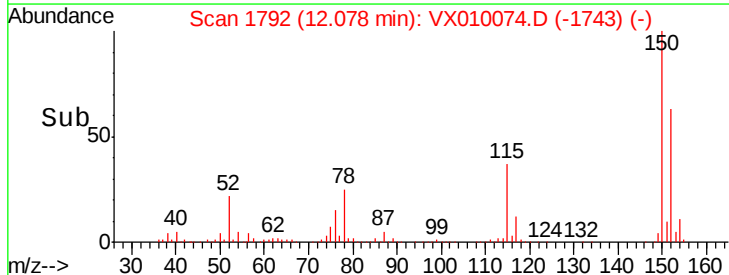
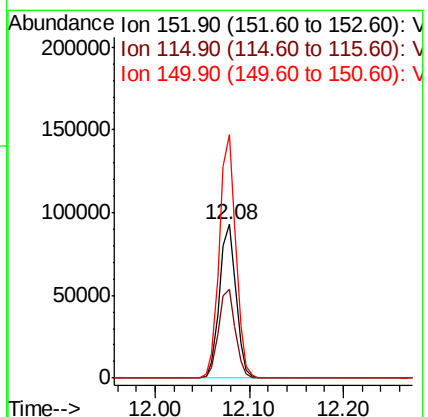
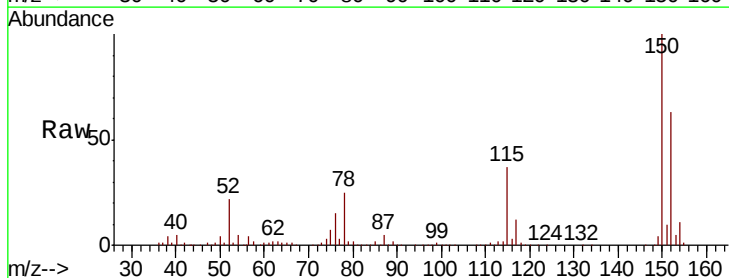
Instrument :
MSVOA_X
ClientSampleId :

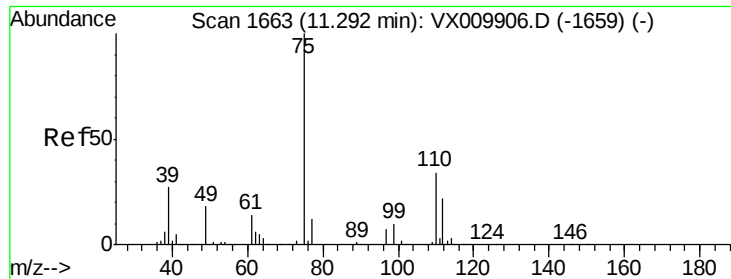
Tot Ion:	164	Resp:	1216
Ion	Ratio	Lower	Upper
164	100		
166	141.5	105.0	157.4
129	102.1	75.1	112.7
131	90.2	72.2	108.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010074.D
Acq: 05 Jun 2019 14:07

Tgt Ion:	152	Resp:	113821
Ion	Ratio	Lower	Upper
152	100		
115	58.9	41.4	124.2
150	157.2	0.0	345.2





#76

1,2,3-Trichloropropane

Concen: 23.044 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010074.D

Acq: 05 Jun 2019 14:07

Instrument :

MSVOA_X

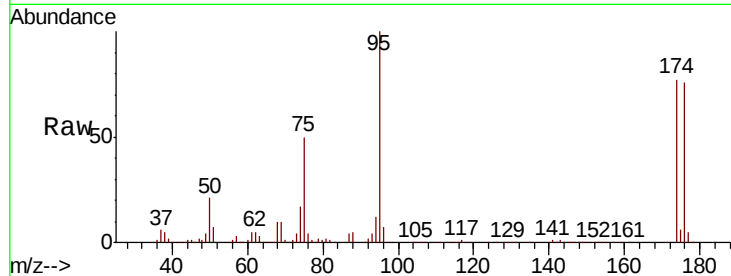
ClientSampleId :

Tot Ion: 75 Resp: 62721

Ion Ratio Lower Upper

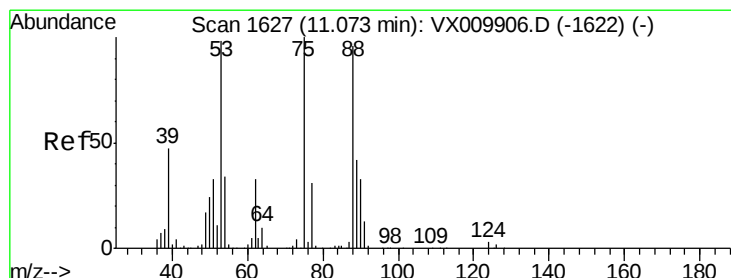
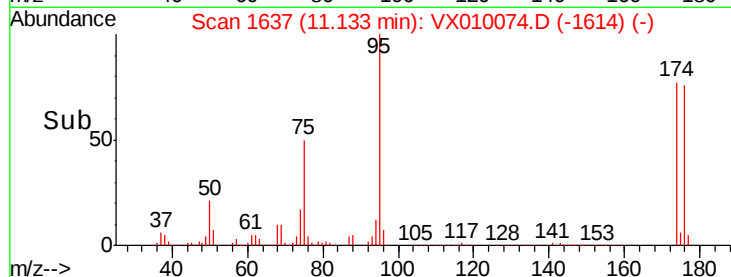
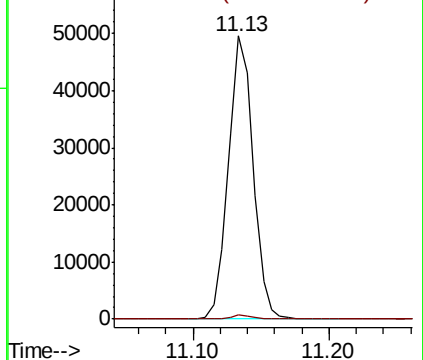
75 100

77 1.4 22.1 66.1#



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: 57.014 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010074.D

Acq: 05 Jun 2019 14:07

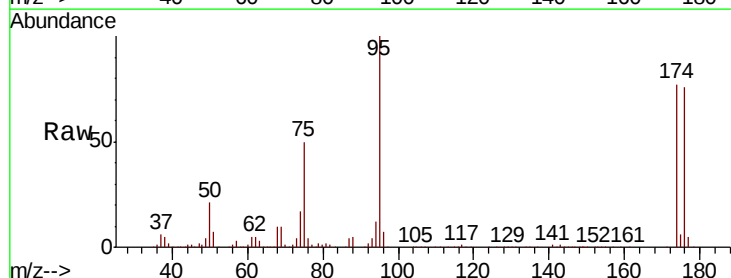
Tgt Ion: 75 Resp: 62721

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.1 34.2 51.4#



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

