

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010084.D
 Acq On : 05 Jun 2019 18:01
 Operator : JC/SP
 Sample : K3190-19 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:34:30 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	160551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	260545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108360	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	106218	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	5.50	113	78402	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	8.71	98	330868	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.13	95	115456	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

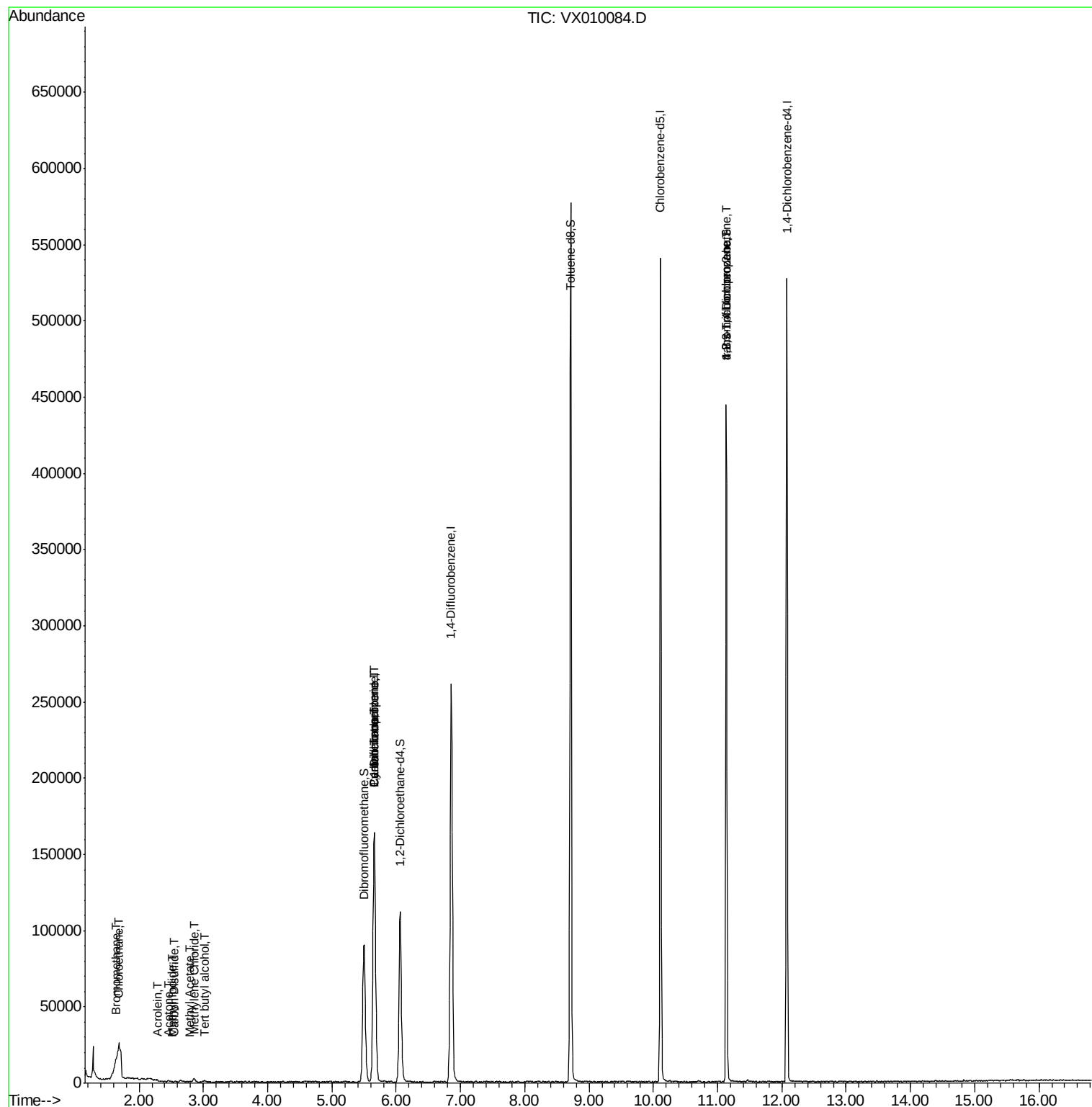
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	552	0.383	ug/l #	75
6) Chloroethane	1.69	64	511	0.349	ug/l #	59
10) Methyl Iodide	2.51	142	120	4.712	ug/l #	42
11) Tert butyl alcohol	3.01	59	638	1.143	ug/l #	73
13) Acrolein	2.29	56	19	21.141	ug/l #	40
16) Acetone	2.46	43	877	0.669	ug/l	90
17) Carbon Disulfide	2.56	76	269	0.439	ug/l #	76
18) Methyl Acetate	2.79	43	647	0.212	ug/l #	64
20) Methylene Chloride	2.85	84	999	0.498	ug/l	92
31) Cyclohexane	5.66	56	3595	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12523	4.737	ug/l #	50
38) Carbon Tetrachloride	5.66	117	15133	6.625	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	57911	22.349	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57911	55.295	ug/l #	10

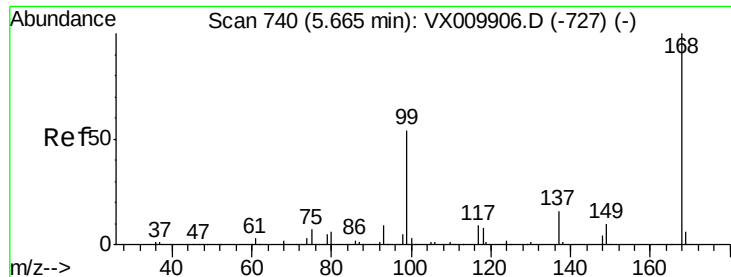
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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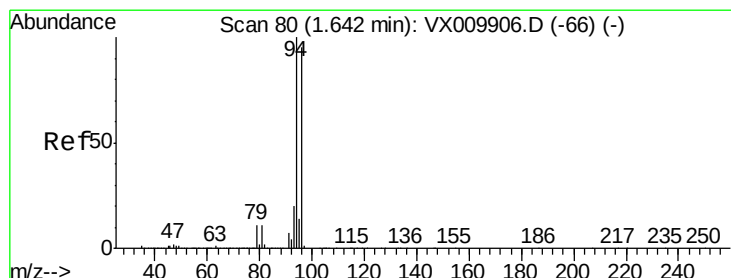
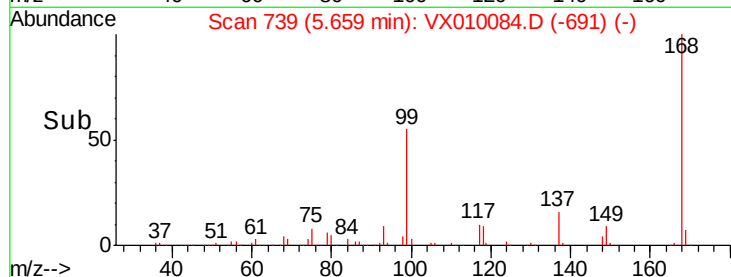
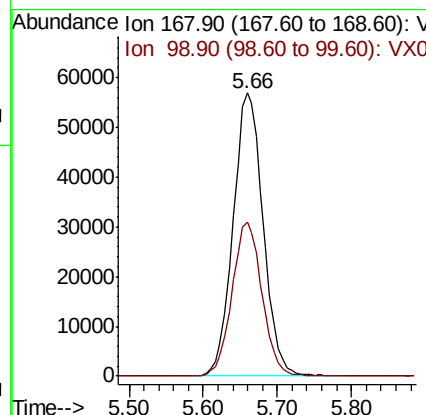
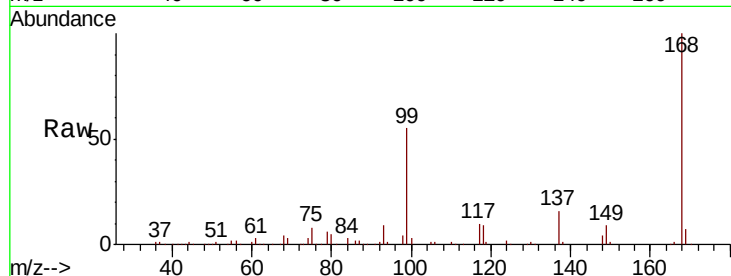




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX010084.D
Acq: 05 Jun 2019 18:01

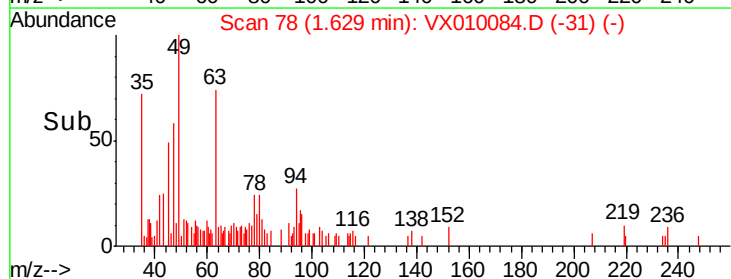
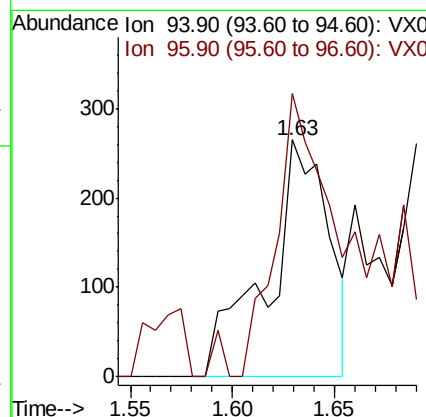
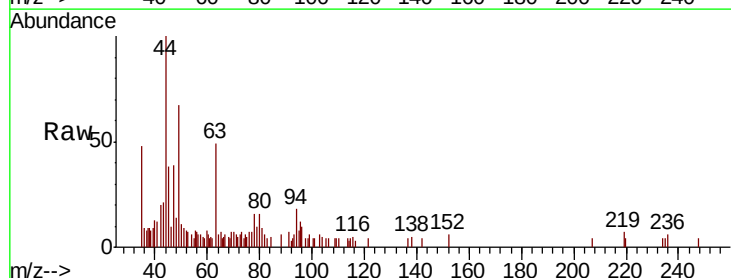
Instrument :
MSVOA_X
ClientSampleId :

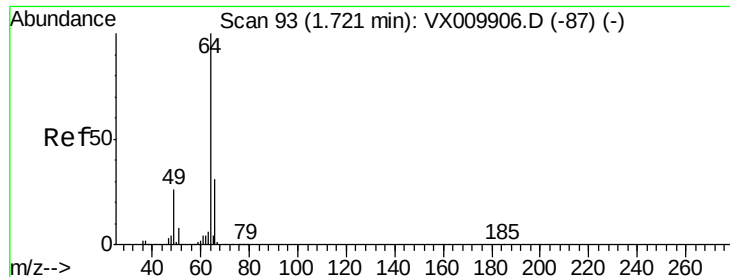
Tot Ion:168 Resp: 160551
Ion Ratio Lower Upper
168 100
99 54.5 43.0 64.6



#5
Bromomethane
Concen: 0.383 ug/l
RT: 1.63 min Scan# 78
Delta R.T. -0.01 min
Lab File: VX010084.D
Acq: 05 Jun 2019 18:01

Tgt Ion: 94 Resp: 552
Ion Ratio Lower Upper
94 100
96 119.6 76.2 114.4#





#6

Chloroethane

Concen: 0.349 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.03 min

Lab File: VX010084.D

Acq: 05 Jun 2019 18:01

Instrument :

MSVOA_X

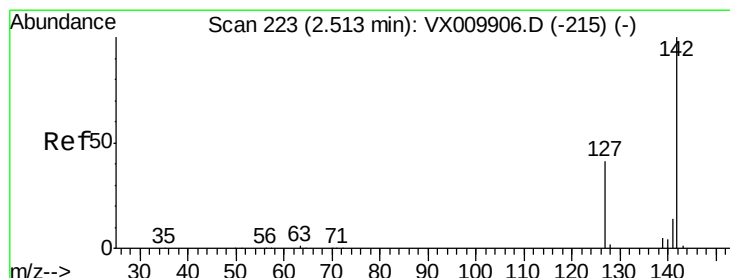
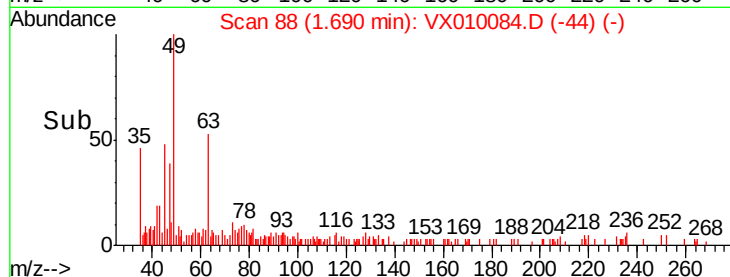
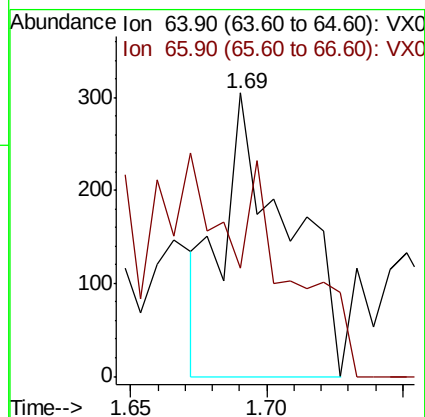
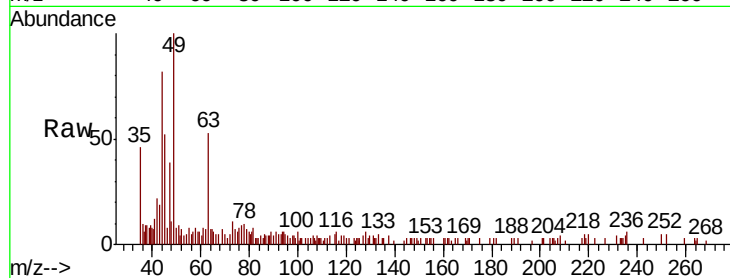
ClientSampleId :

Tot Ion: 64 Resp: 511

Ion Ratio Lower Upper

64 100

66 8.9 25.1 37.7#



#10

Methyl Iodide

Concen: 4.712 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX010084.D

Acq: 05 Jun 2019 18:01

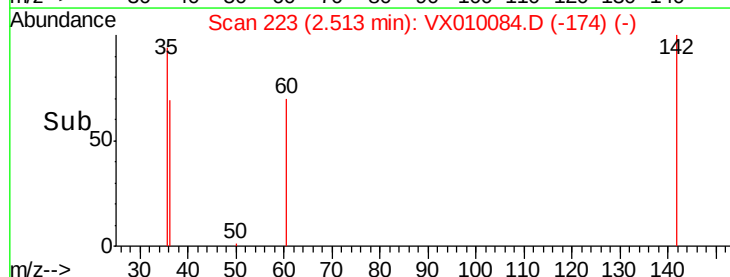
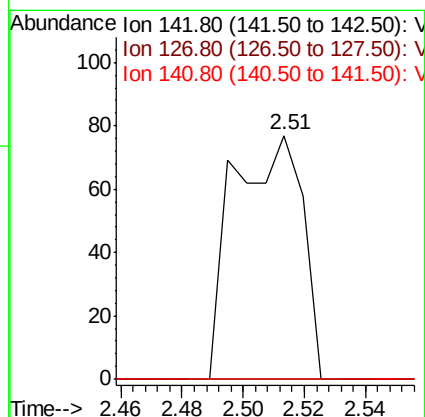
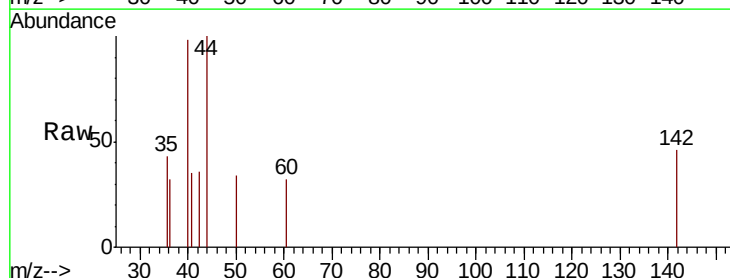
Tgt Ion: 142 Resp: 120

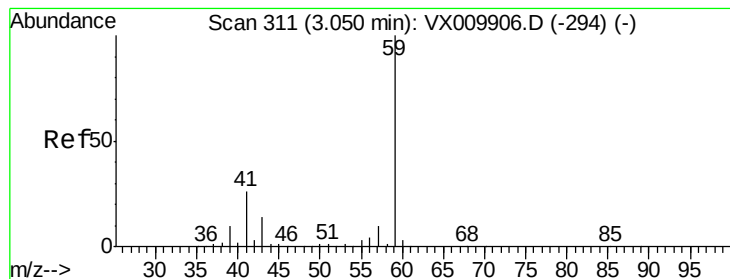
Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

141 0.0 11.4 17.0#



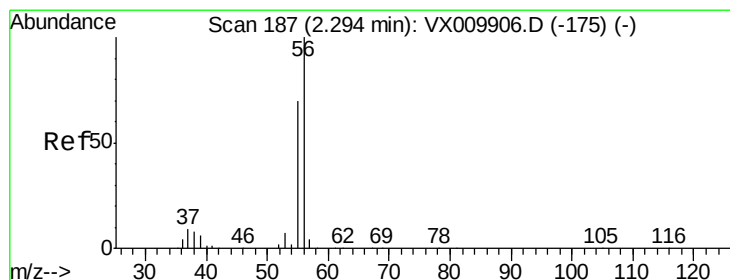
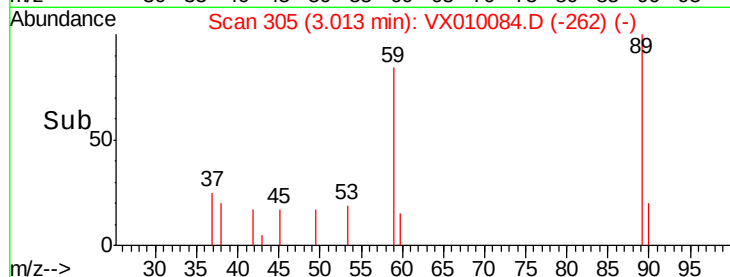
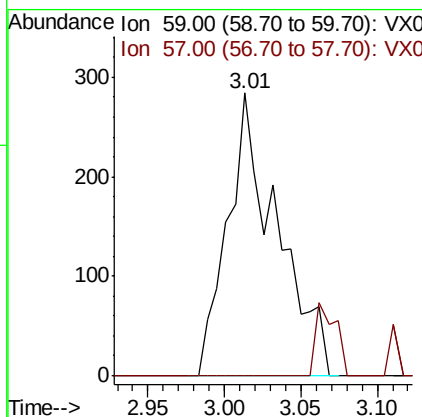
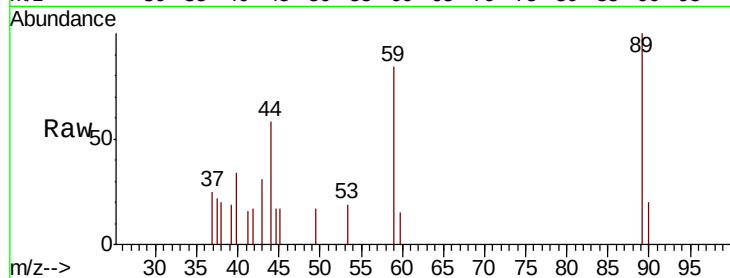


#11

Tert butyl alcohol
 Concen: 1.143 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010084.D
 Acq: 05 Jun 2019 18:01

Instrument :
 MSVOA_X
 ClientSampled :

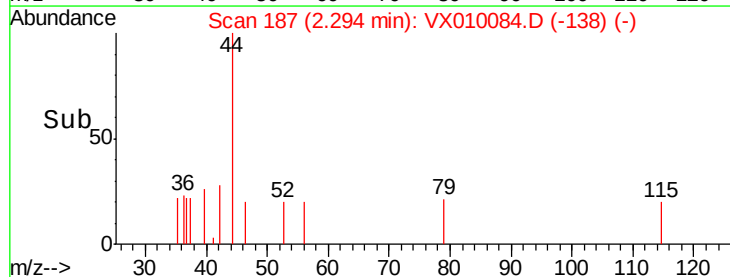
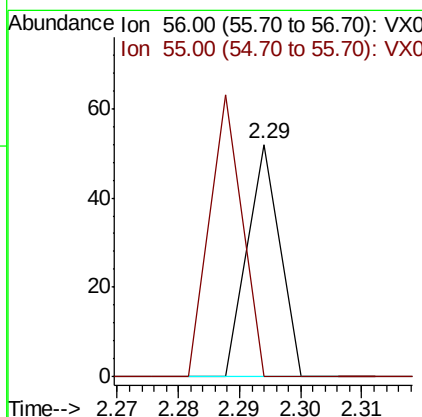
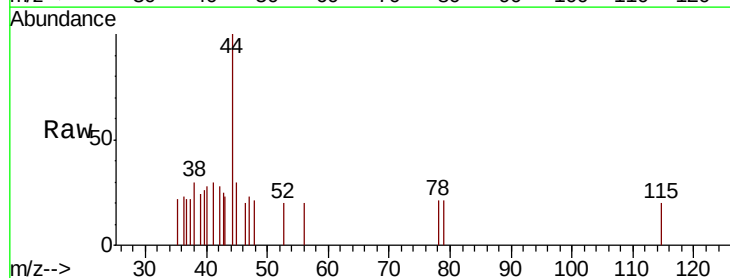
Tot Ion: 59 Resp: 638
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

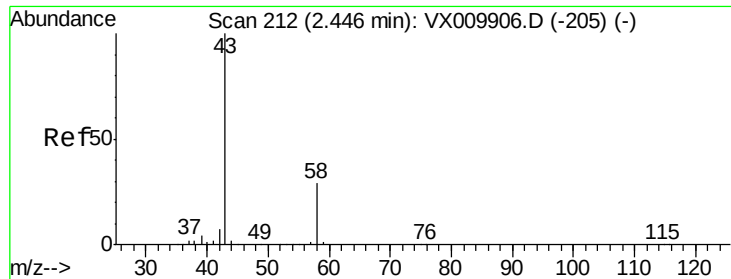


#13

Acrolein
 Concen: 21.141 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010084.D
 Acq: 05 Jun 2019 18:01

Tgt Ion: 56 Resp: 19
 Ion Ratio Lower Upper
 56 100
 55 121.1 57.0 85.4#

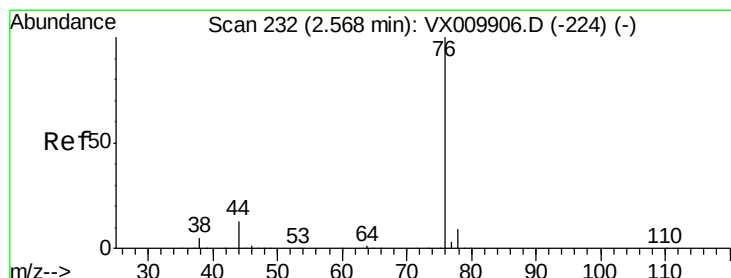
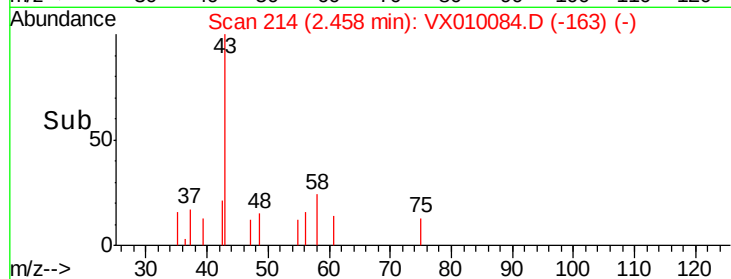
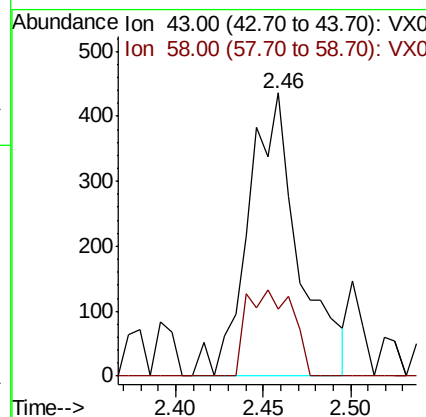
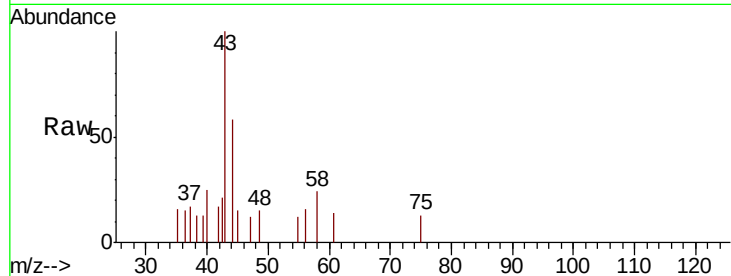




#16
Acetone
Concen: 0.669 ug/l
RT: 2.46 min Scan# 214
Delta R.T. 0.01 min
Lab File: VX010084.D
Acq: 05 Jun 2019 18:01

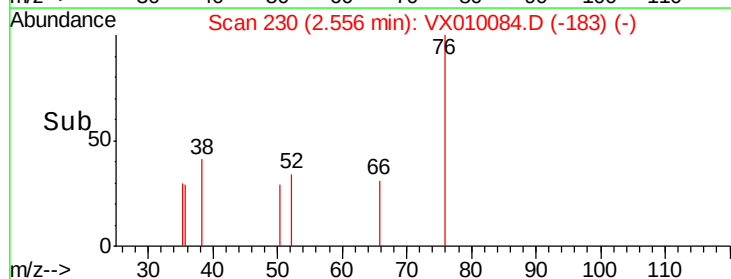
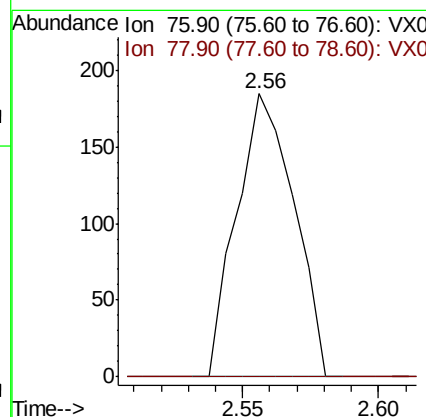
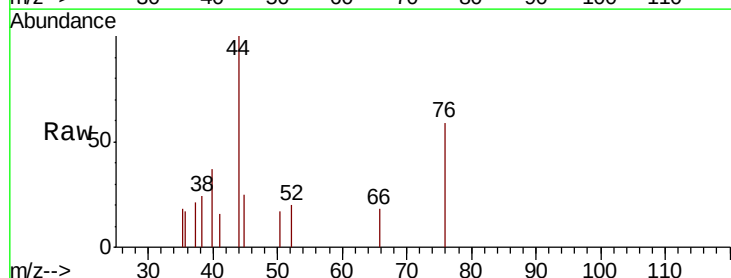
Instrument :
MSVOA_X
ClientSampleId :

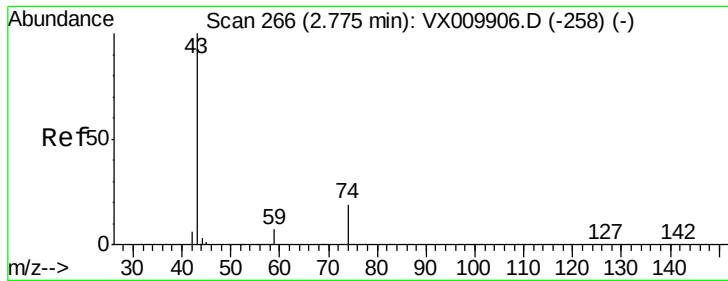
Tot Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 23.6 23.2 34.8



#17
Carbon Disulfide
Concen: 0.439 ug/l
RT: 2.56 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX010084.D
Acq: 05 Jun 2019 18:01

Tgt Ion: 76 Resp: 269
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 0.212 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX010084.D

Acq: 05 Jun 2019 18:01

Instrument :

MSVOA_X

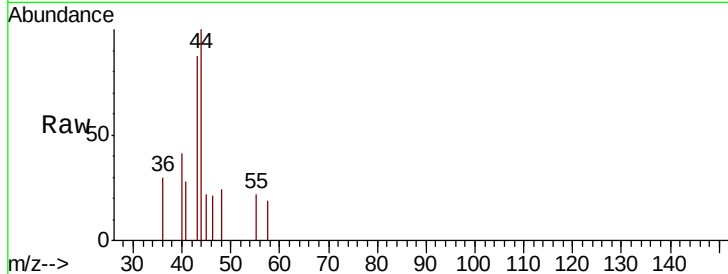
ClientSampled :

Tot Ion: 43 Resp: 647

Ion Ratio Lower Upper

43 100

74 3.1 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.79

250

200

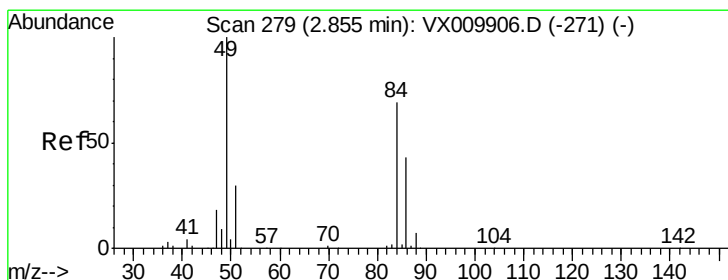
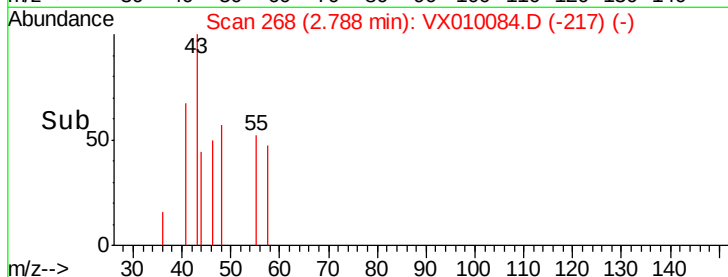
150

100

50

0

Time-->



#20

Methylene Chloride

Concen: 0.498 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010084.D

Acq: 05 Jun 2019 18:01

Tgt Ion: 84 Resp: 999

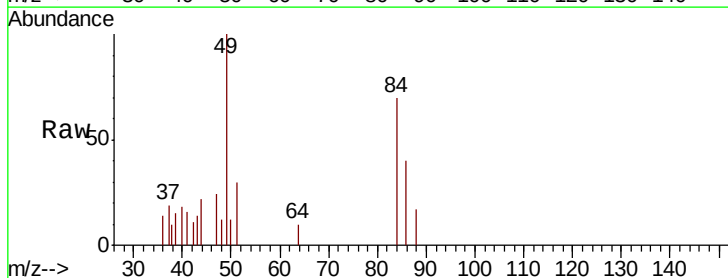
Ion Ratio Lower Upper

84 100

49 131.8 115.8 173.6

51 43.2 34.4 51.6

86 56.6 49.7 74.5



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

1000

800

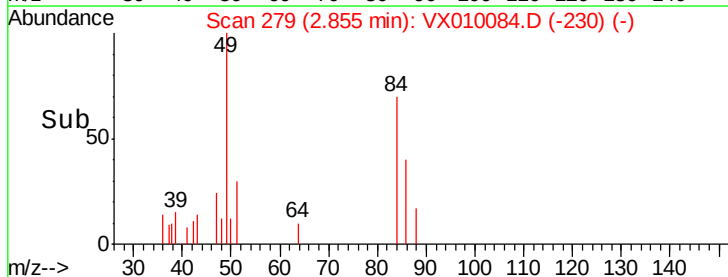
600

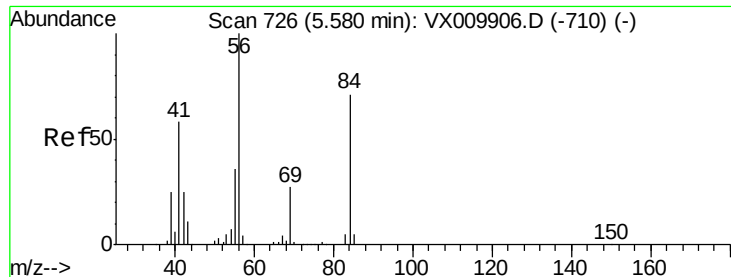
400

200

0

Time-->

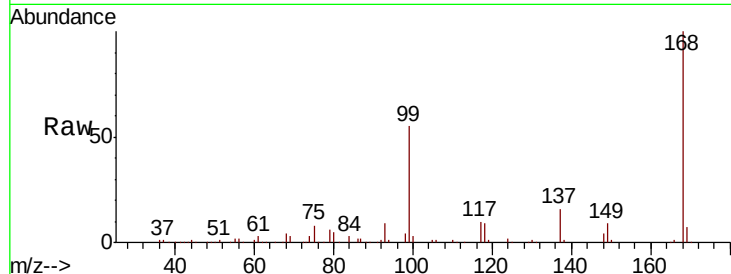




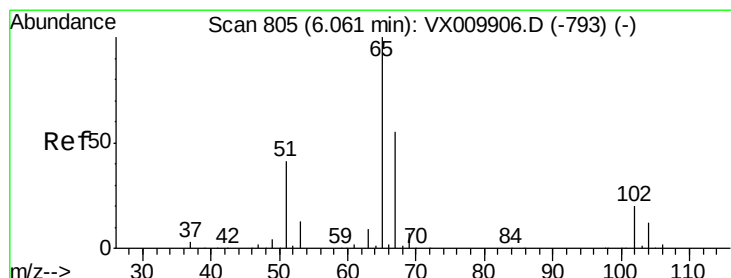
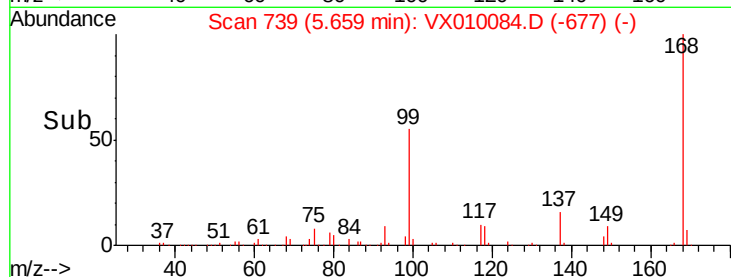
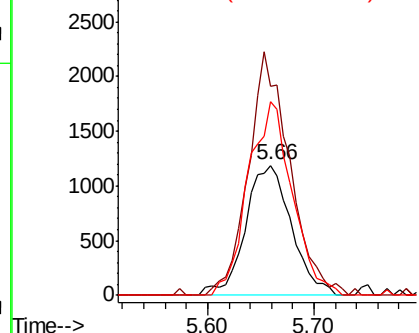
#31
Cyclohexane
Concen: 1.042 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010084.D
Acq: 05 Jun 2019 18:01

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 3595
Ion Ratio Lower Upper
56 100
69 160.5 21.6 32.4#
84 149.1 56.8 85.2#

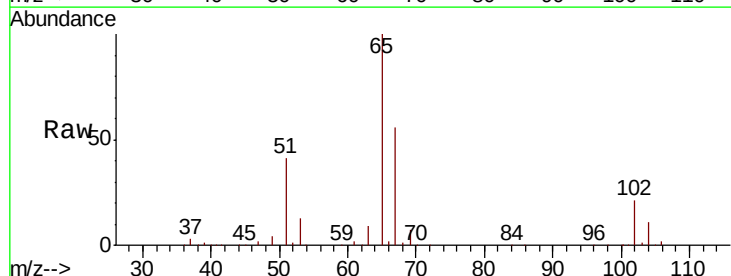


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

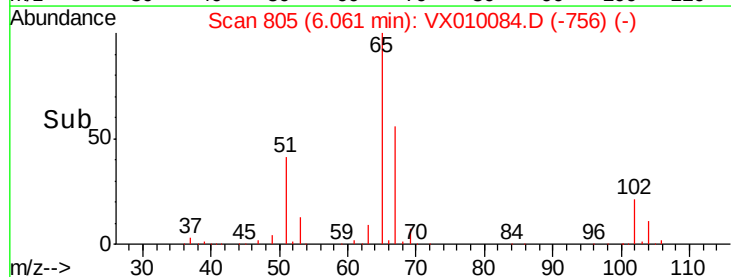
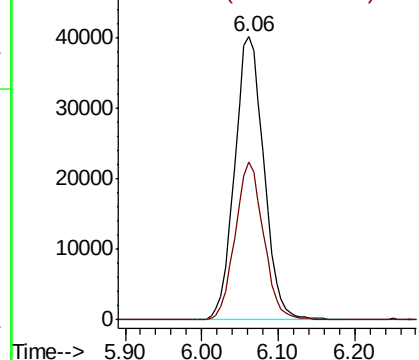


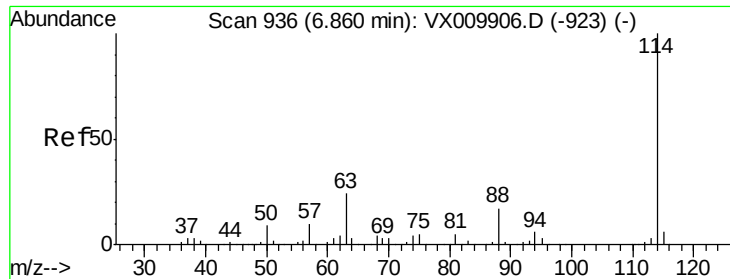
#33
1,2-Dichloroethane-d4
Concen: 46.835 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010084.D
Acq: 05 Jun 2019 18:01

Tgt Ion: 65 Resp: 106218
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.4



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

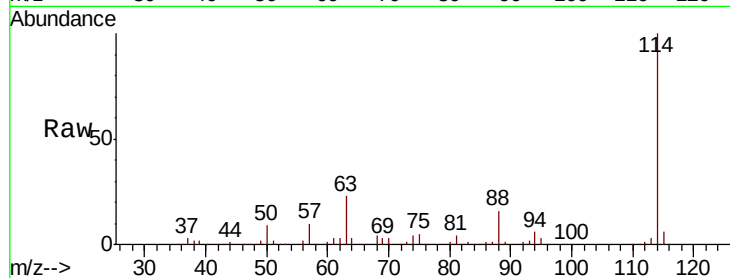




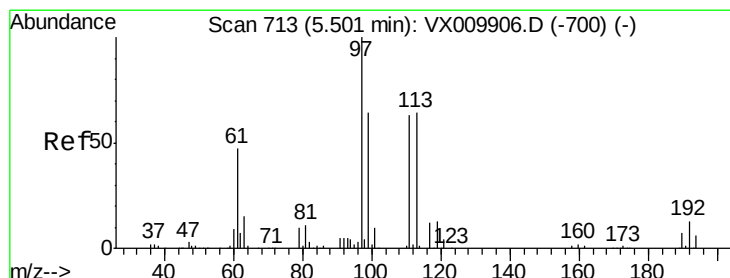
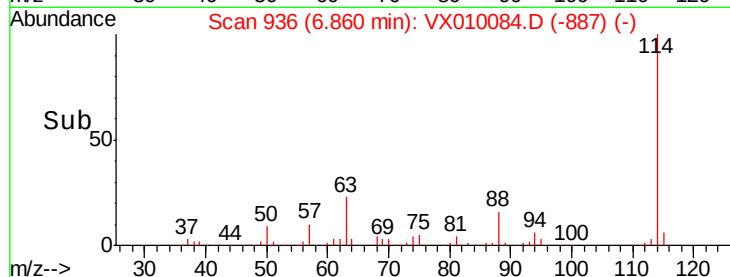
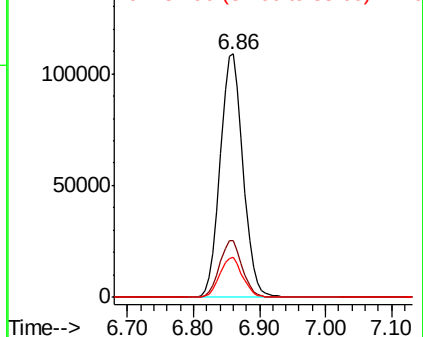
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010084.D
 Acq: 05 Jun 2019 18:01

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:114 Resp: 260545
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.4
 88 16.4 0.0 33.0

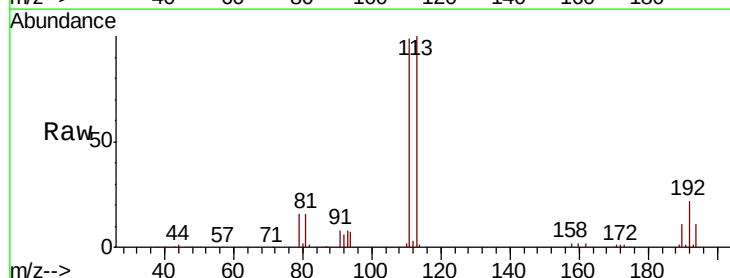


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

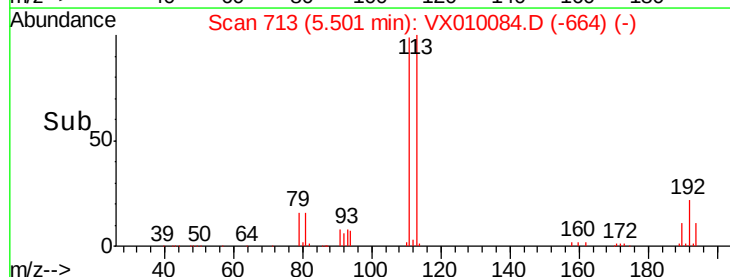
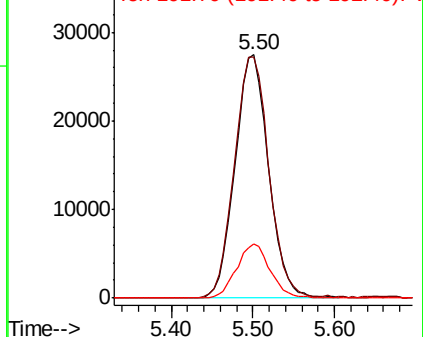


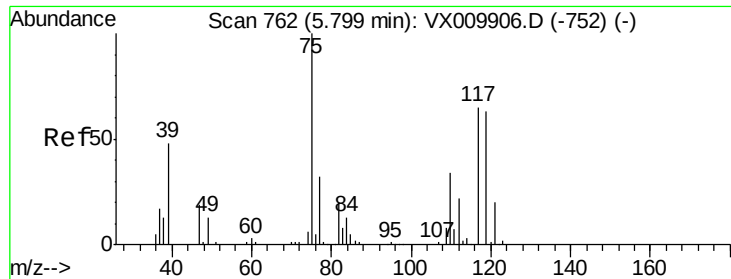
#35
 Dibromofluoromethane
 Concen: 47.863 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010084.D
 Acq: 05 Jun 2019 18:01

Tgt Ion:113 Resp: 78402
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.2
 192 22.1 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

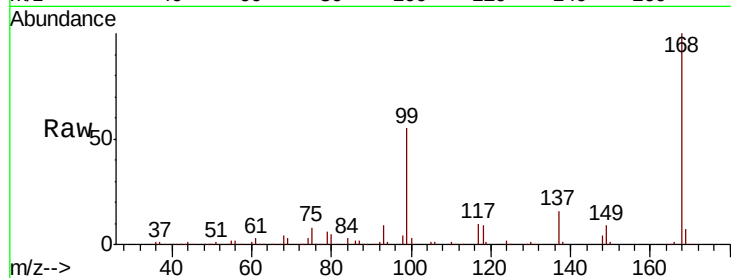




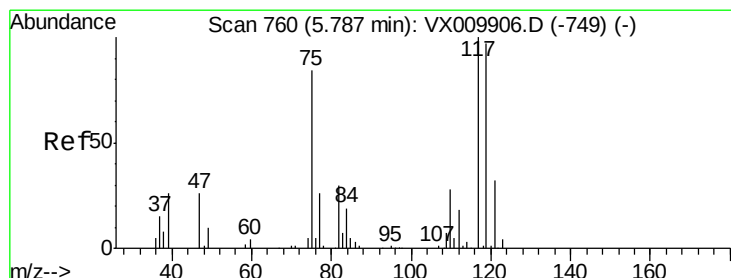
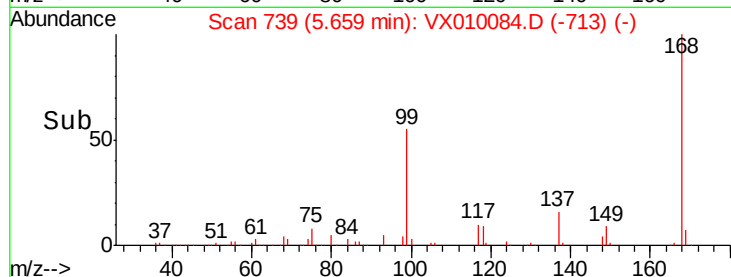
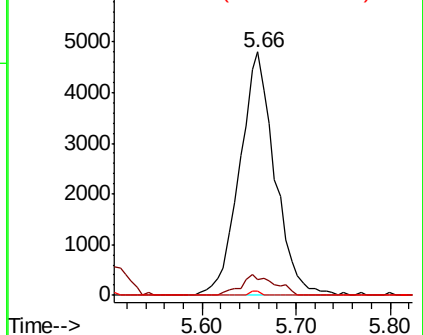
#36
 1,1-Dichloropropene
 Concen: 4.737 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010084.D
 Acq: 05 Jun 2019 18:01

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	12523
Ion Ratio	Lower	Upper	
75	100		
110	8.2	16.7	50.1#
77	0.5	25.0	37.4#

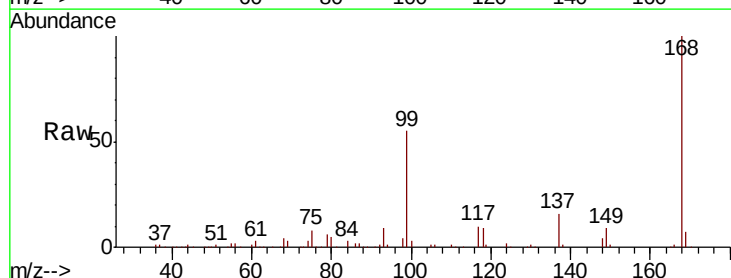


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

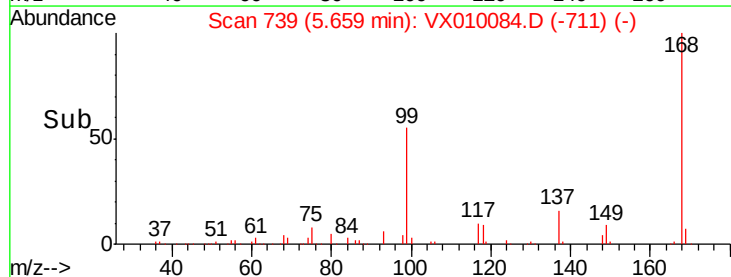
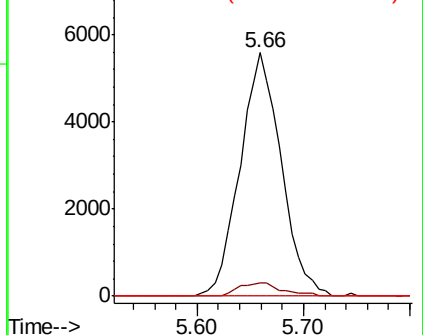


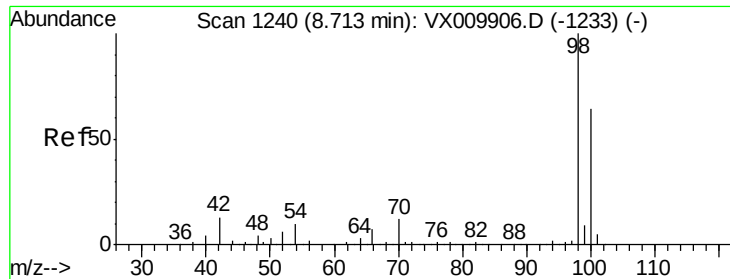
#38
 Carbon Tetrachloride
 Concen: 6.625 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010084.D
 Acq: 05 Jun 2019 18:01

Tgt Ion	117	Resp	15133
Ion Ratio	Lower	Upper	
117	100		
119	5.5	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

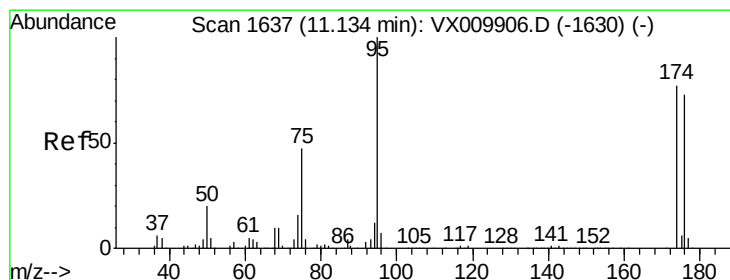
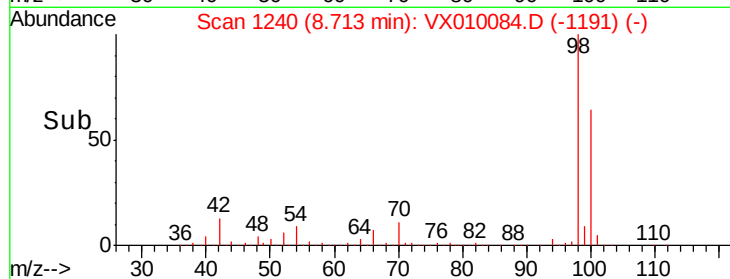
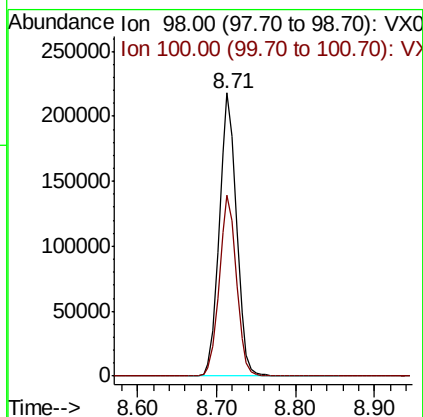
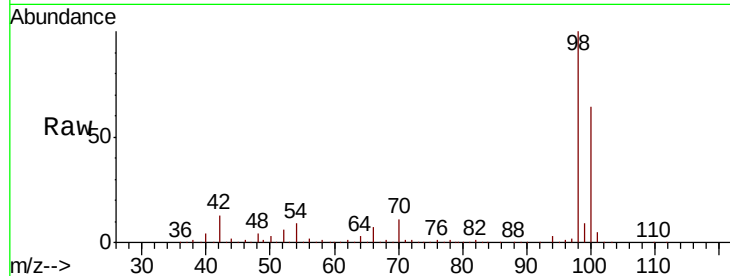




#50
Toluene-d8
Concen: 49.741 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010084.D
Acq: 05 Jun 2019 18:01

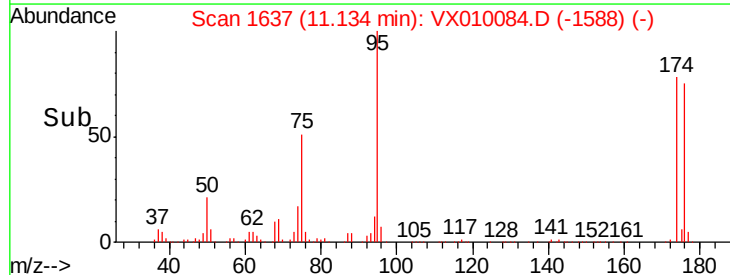
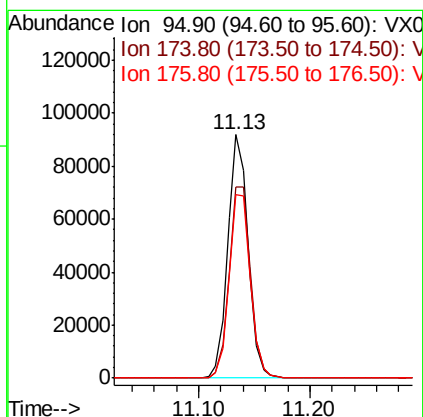
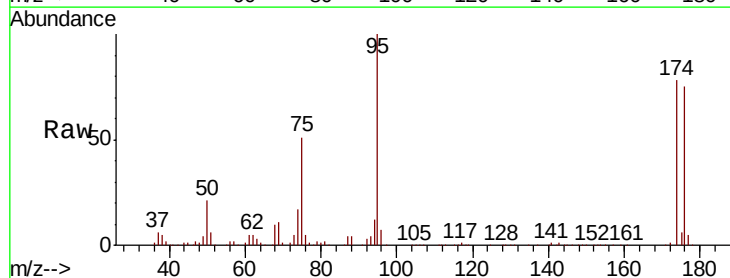
Instrument :
MSVOA_X
ClientSampleId :

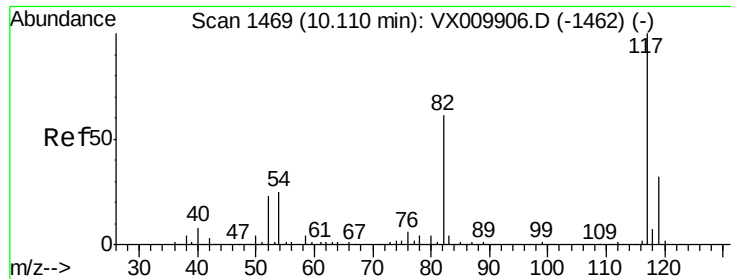
Tot Ion: 98 Resp: 330868
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 48.324 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010084.D
Acq: 05 Jun 2019 18:01

Tgt Ion: 95 Resp: 115456
Ion Ratio Lower Upper
95 100
174 83.0 0.0 160.4
176 79.2 0.0 154.6

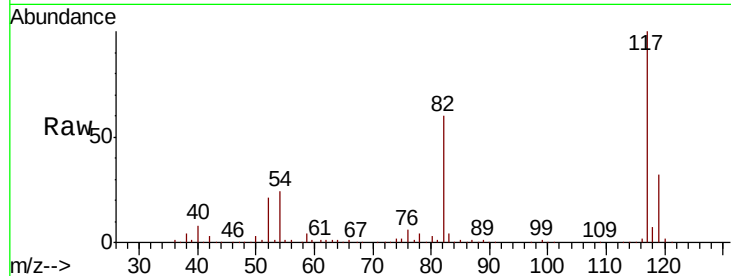




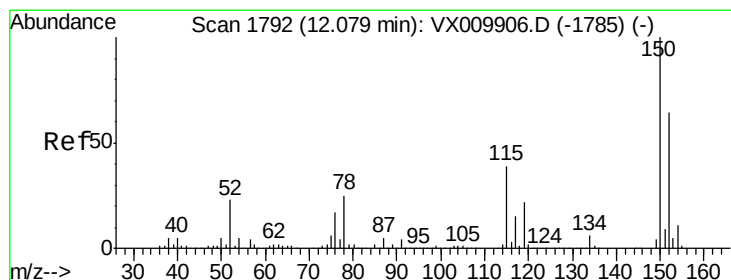
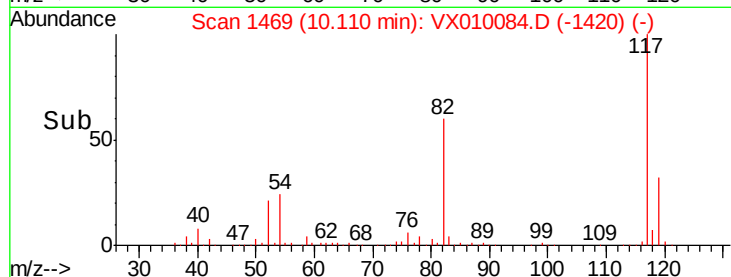
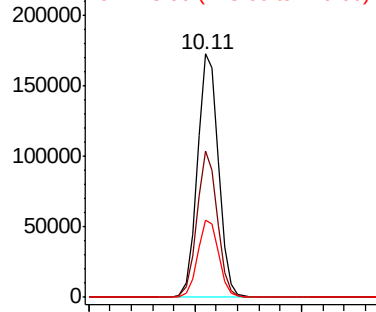
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010084.D
Acq: 05 Jun 2019 18:01

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.2	73.8
119	31.9	25.2	37.8

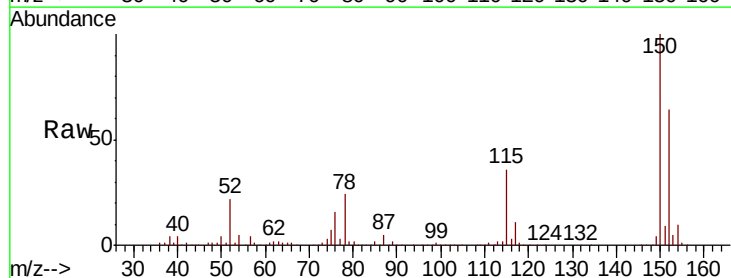


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

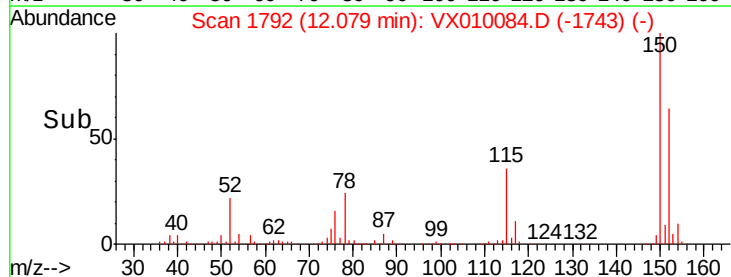
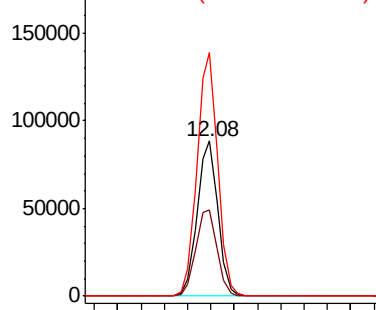


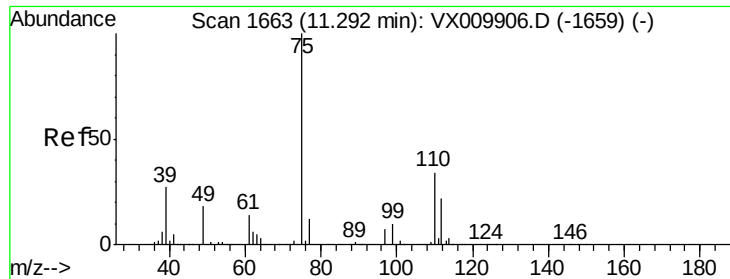
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010084.D
Acq: 05 Jun 2019 18:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	41.4	124.2
150	156.8	0.0	345.2



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: 22.349 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010084.D

Acq: 05 Jun 2019 18:01

Instrument :

MSVOA_X

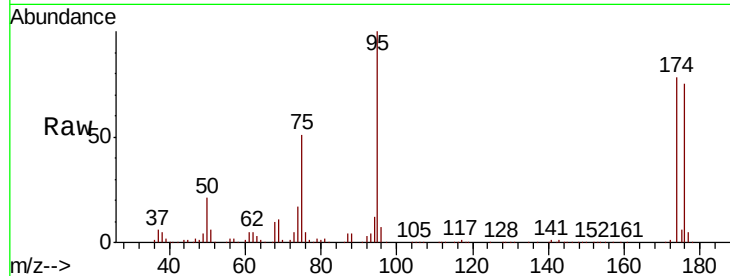
ClientSampleId :

Tot Ion: 75 Resp: 57911

Ion Ratio Lower Upper

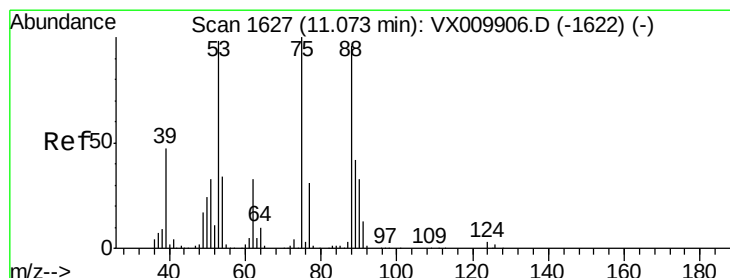
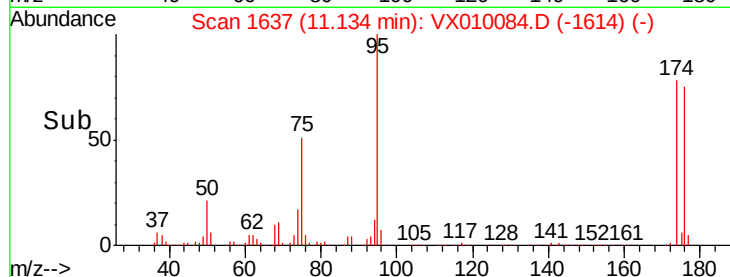
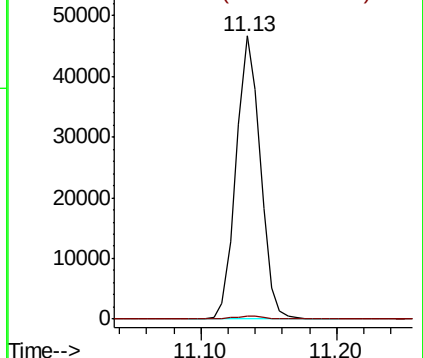
75 100

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: 55.295 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010084.D

Acq: 05 Jun 2019 18:01

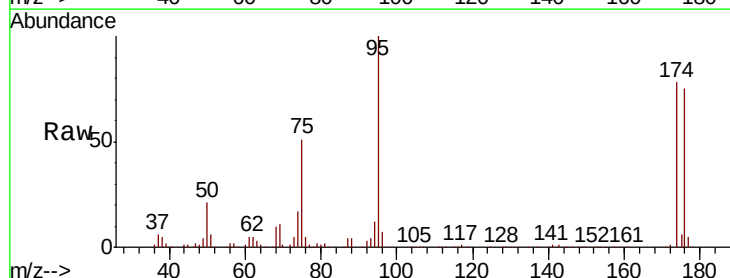
Tgt Ion: 75 Resp: 57911

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 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

