

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010248.D
 Acq On : 12 Jun 2019 14:14
 Operator : JC/SP
 Sample : K3309-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 01:26:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	316123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	474367	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	429039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199648	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	141873	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
35) Dibromofluoromethane	5.50	113	146571	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
50) Toluene-d8	8.71	98	558500	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.13	95	187531	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	

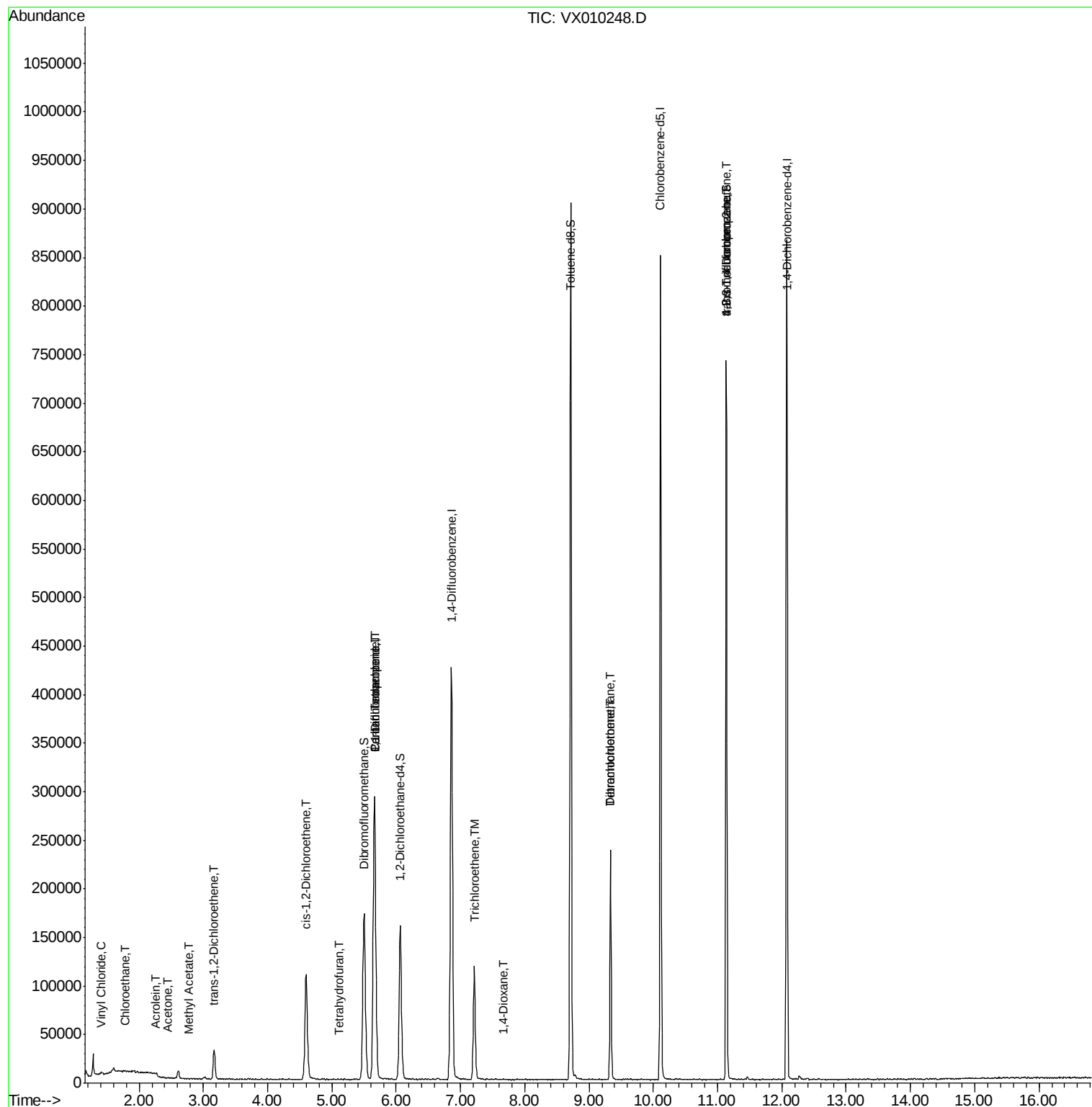
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	1471	0.542	ug/l	96
6) Chloroethane	1.78	64	367	0.268	ug/l #	43
13) Acrolein	2.26	56	178	1.291	ug/l #	20
16) Acetone	2.45	43	636	0.438	ug/l #	44
18) Methyl Acetate	2.78	43	755	0.237	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	13724	4.367	ug/l #	76
27) cis-1,2-Dichloroethene	4.60	96	77388	22.138	ug/l	68
29) Tetrahydrofuran	5.12	42	342	0.252	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	18793	4.856	ug/l #	51
38) Carbon Tetrachloride	5.67	117	26735	6.103	ug/l #	16
44) Trichloroethene	7.21	130	46716	12.951	ug/l	88
49) 1,4-Dioxane	7.68	88	21	0.234	ug/l #	1
60) Dibromochloromethane	9.34	129	42935	11.267	ug/l #	11
64) Tetrachloroethene	9.34	164	47713	14.973	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	86187	21.583	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	86187	47.685	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

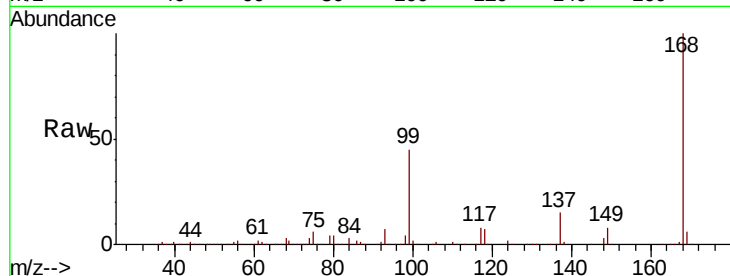
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 316123

Ion Ratio Lower Upper

168 100

99 45.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

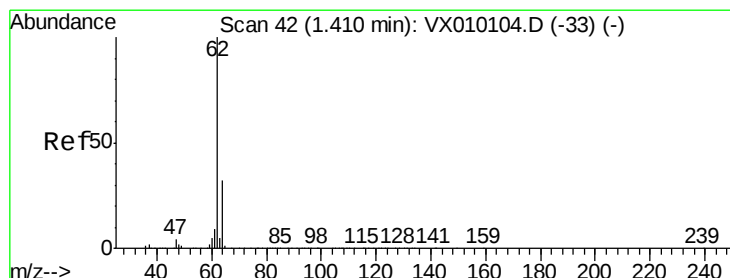
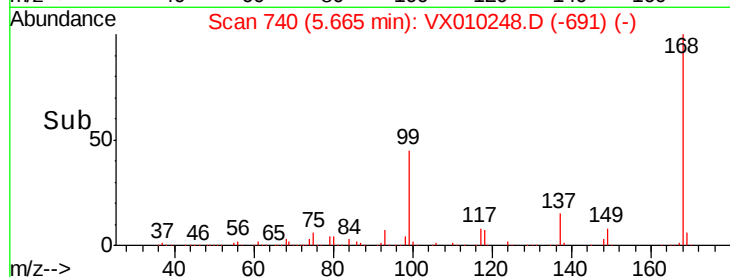
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.542 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010248.D

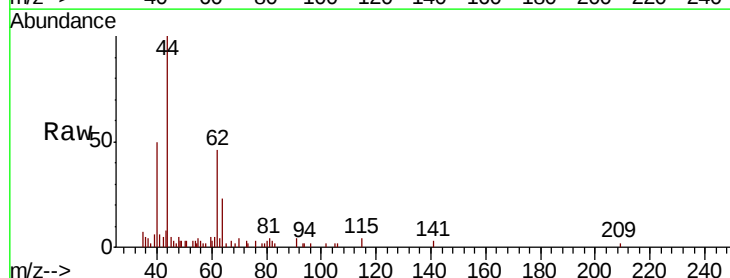
Acq: 12 Jun 2019 14:14

Tgt Ion: 62 Resp: 1471

Ion Ratio Lower Upper

62 100

64 34.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

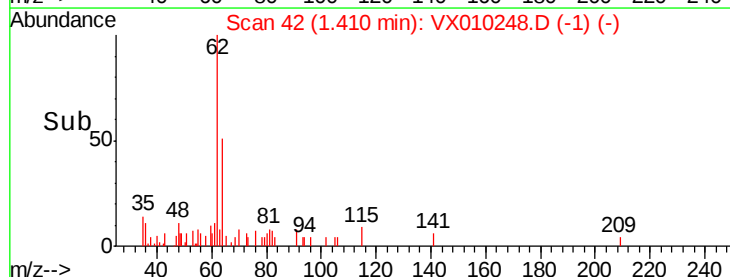
1500

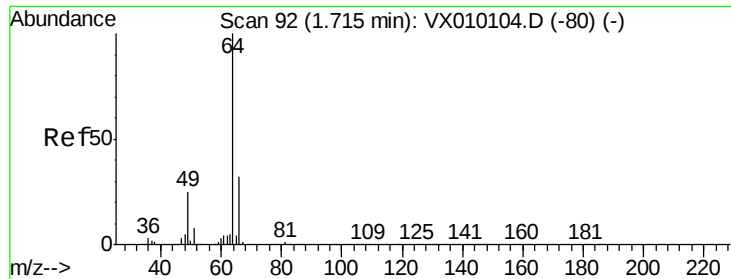
1000

500

0

Time--> 1.35 1.40 1.45





#6

Chloroethane

Concen: 0.268 ug/l

RT: 1.78 min Scan# 103

Delta R.T. 0.07 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

Instrument :

MSVOA_X

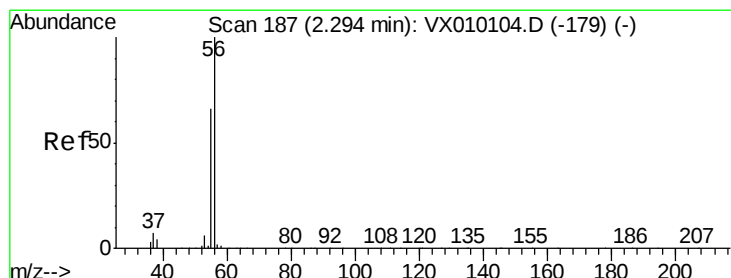
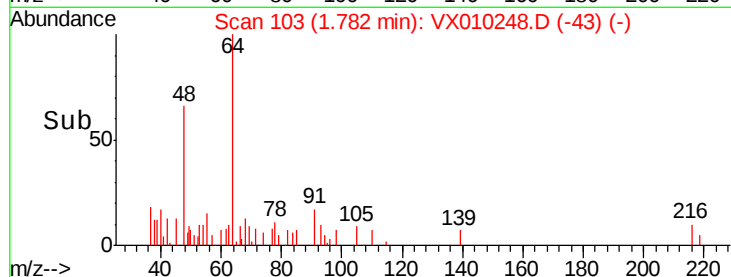
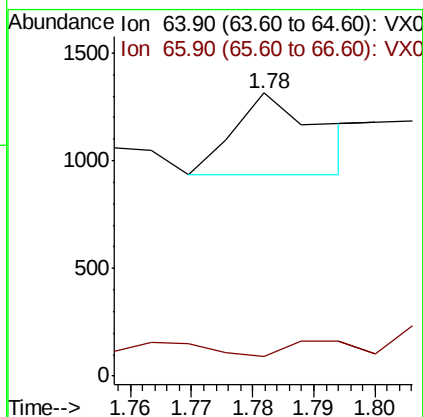
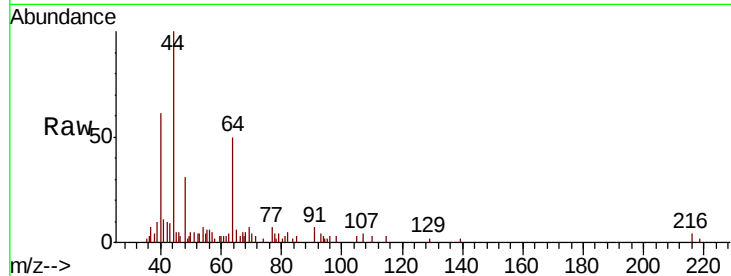
ClientSampled :

Tot Ion: 64 Resp: 367

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#13

Acrolein

Concen: 1.291 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX010248.D

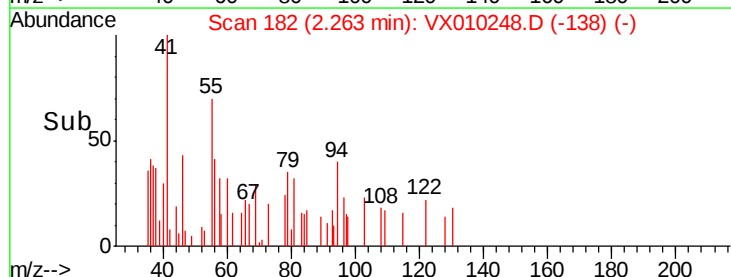
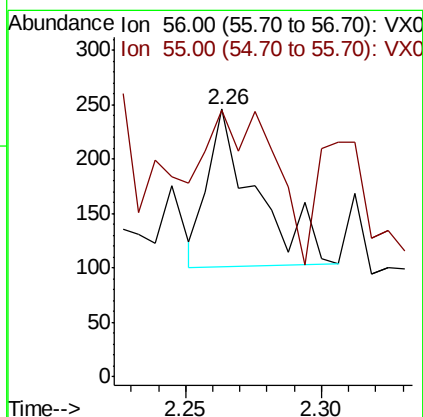
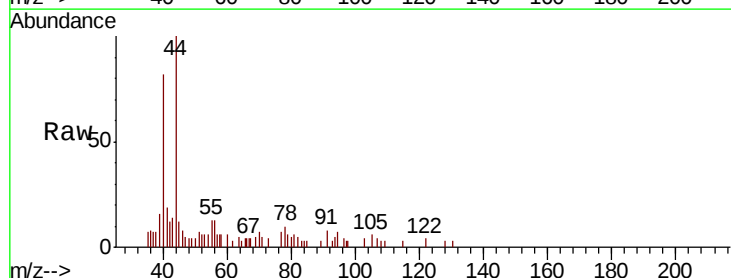
Acq: 12 Jun 2019 14:14

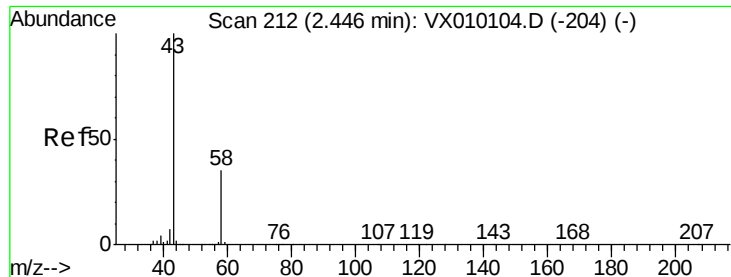
Tgt Ion: 56 Resp: 178

Ion Ratio Lower Upper

56 100

55 137.1 57.0 85.4#





#16

Acetone

Concen: 0.438 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

Instrument :

MSVOA_X

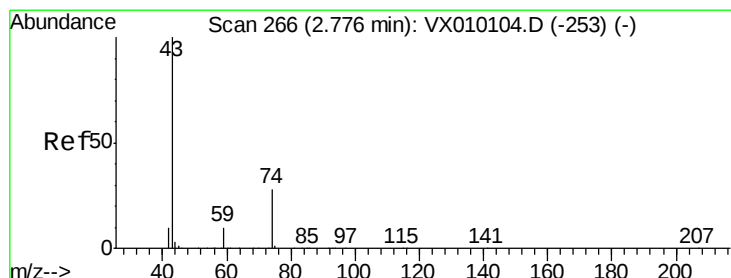
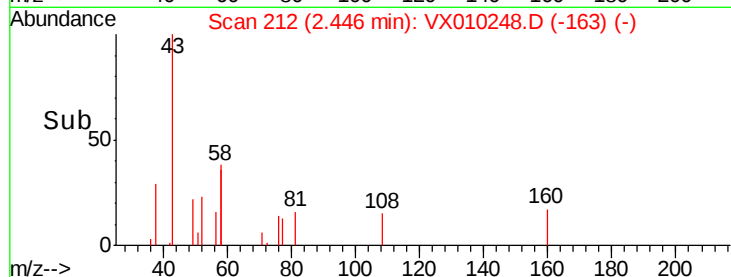
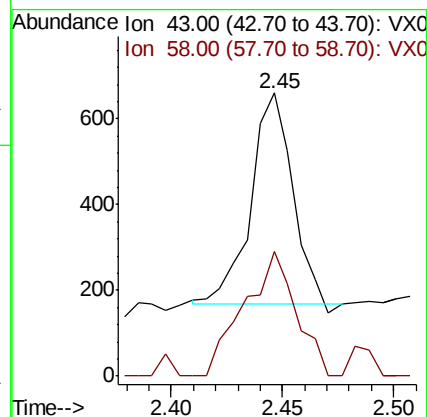
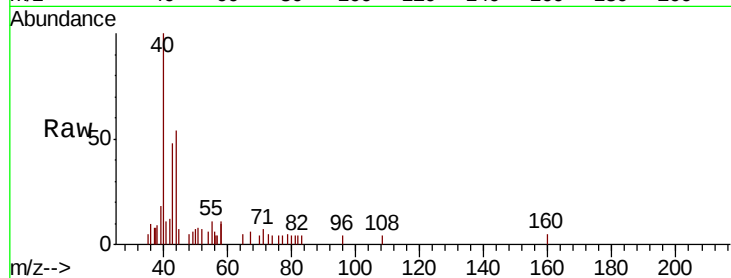
ClientSampleId :

Tot Ion: 43 Resp: 636

Ion Ratio Lower Upper

43 100

58 58.9 23.2 34.8#



#18

Methyl Acetate

Concen: 0.237 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010248.D

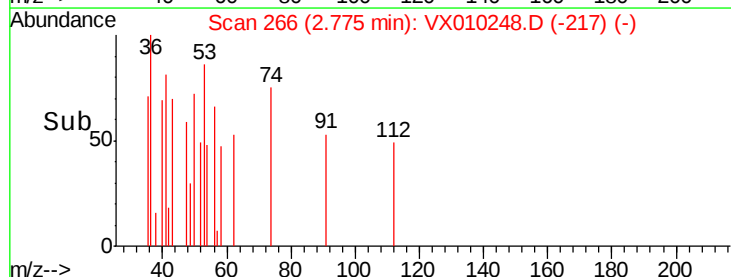
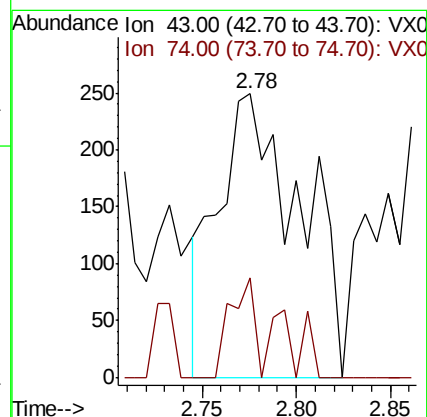
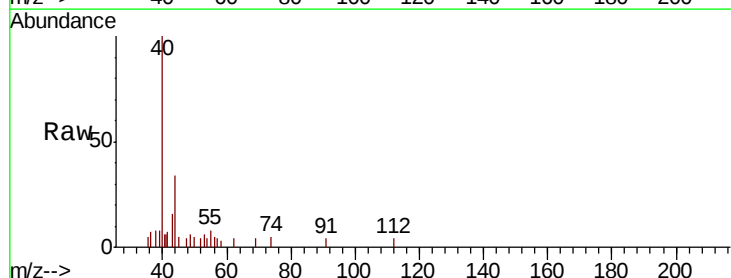
Acq: 12 Jun 2019 14:14

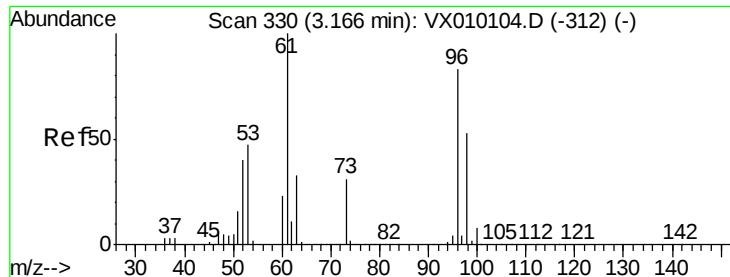
Tgt Ion: 43 Resp: 755

Ion Ratio Lower Upper

43 100

74 10.3 15.8 23.6#





#21

trans-1,2-Dichloroethene

Concen: 4.367 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampled :

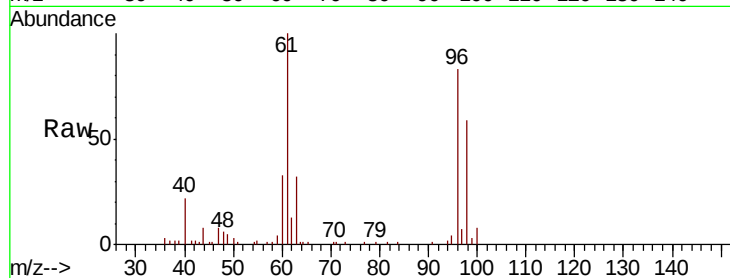
Tot Ion: 96 Resp: 13724

Ion Ratio Lower Upper

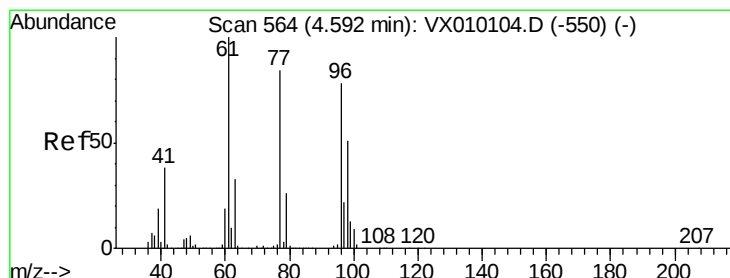
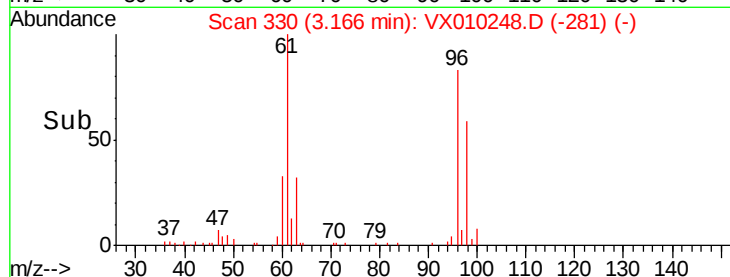
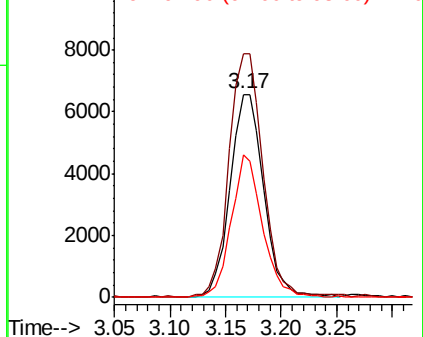
96 100

61 120.0 125.7 188.5#

98 70.4 49.0 73.6



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



#27

cis-1,2-Dichloroethene

Concen: 22.138 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

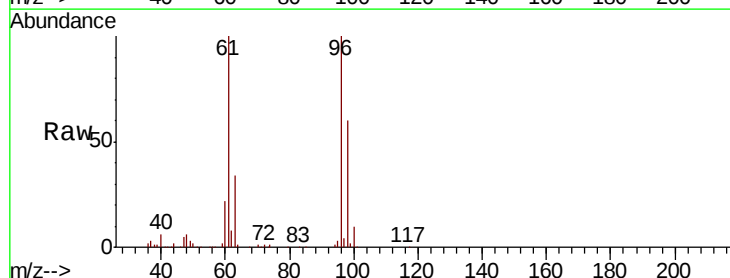
Tgt Ion: 96 Resp: 77388

Ion Ratio Lower Upper

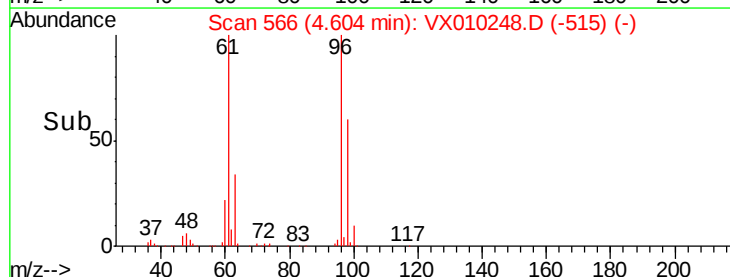
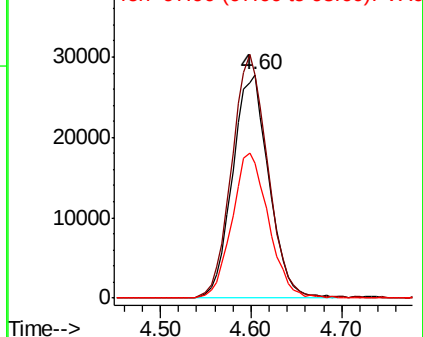
96 100

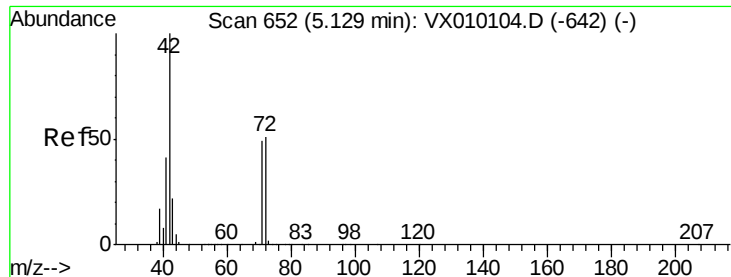
61 107.9 0.0 334.0

98 64.9 0.0 131.6



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

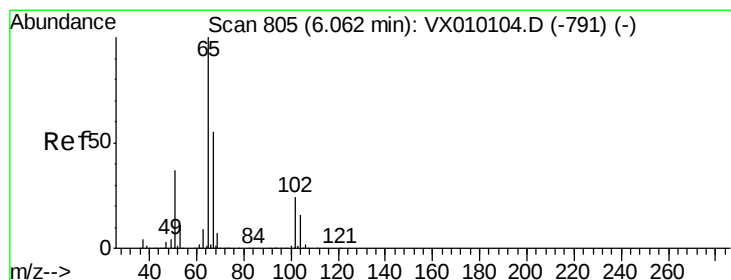
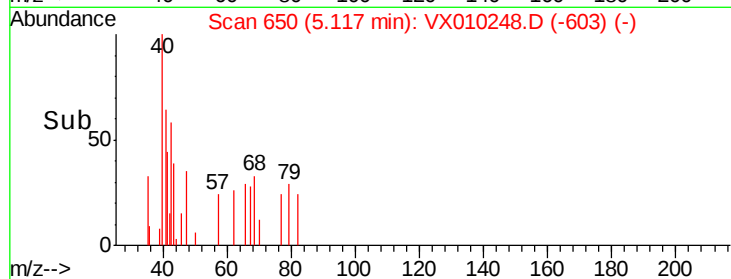
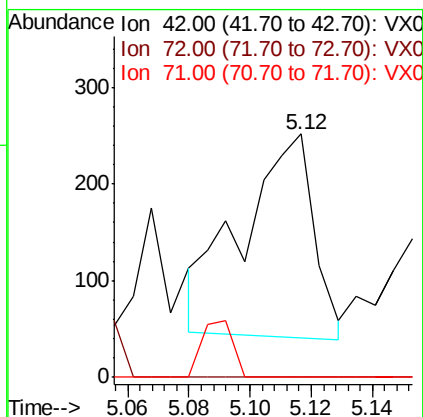
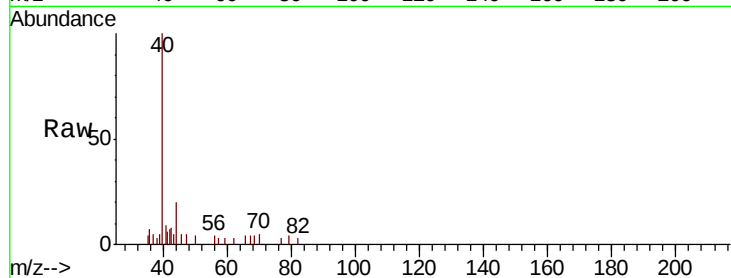




#29
Tetrahydrofuran
Concen: 0.252 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX010248.D
Acq: 12 Jun 2019 14:14

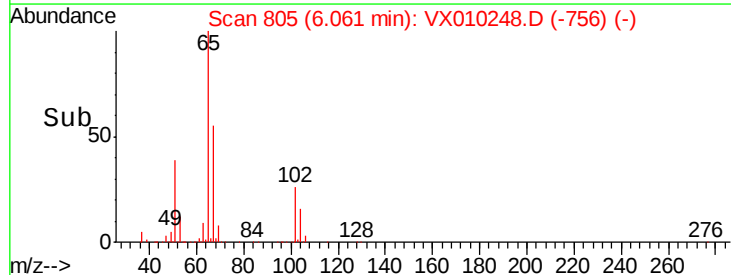
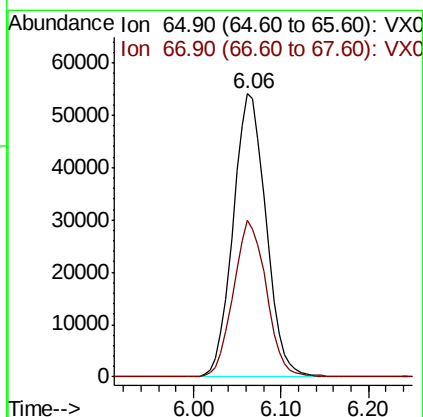
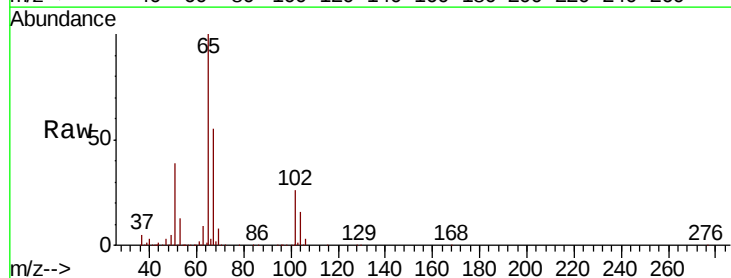
Instrument :
MSVOA_X
ClientSampleId :

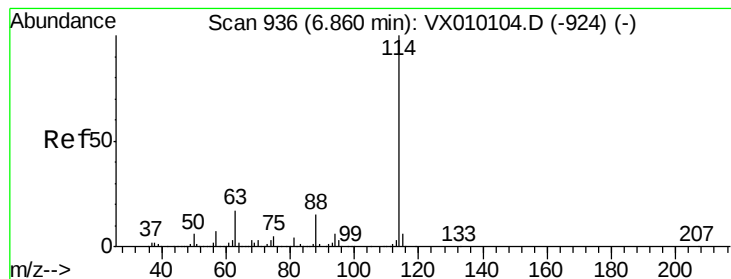
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.2	43.8#
71	0.0	27.6	41.4#



#33
1,2-Dichloroethane-d4
Concen: 45.977 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010248.D
Acq: 12 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

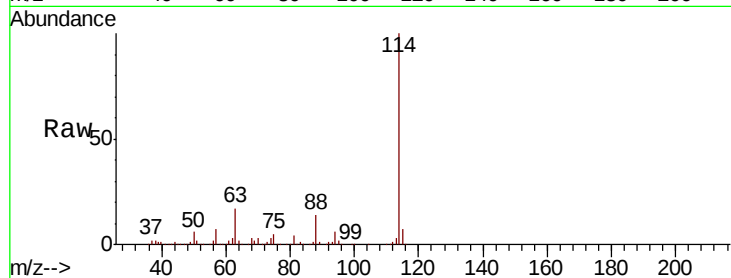
Tot Ion:114 Resp: 474367

Ion Ratio Lower Upper

114 100

63 16.6 0.0 47.4

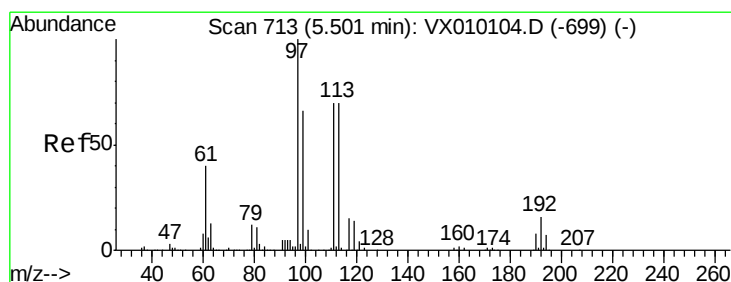
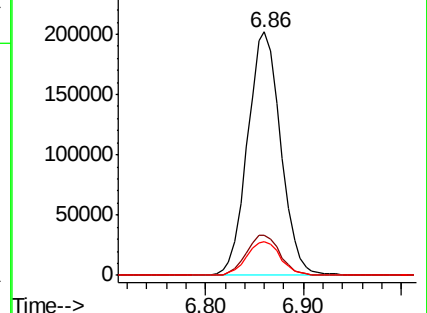
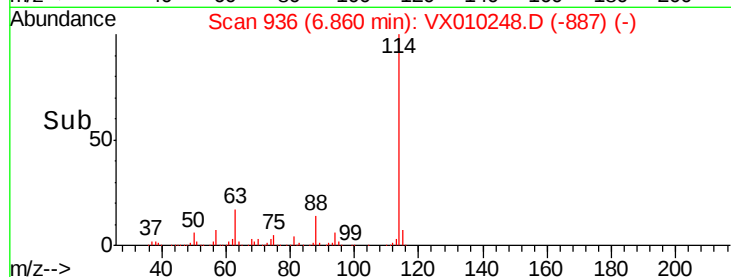
88 13.9 0.0 33.0



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: 50.092 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

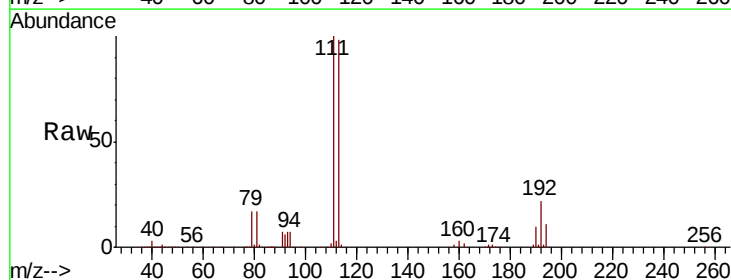
Tgt Ion:113 Resp: 146571

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

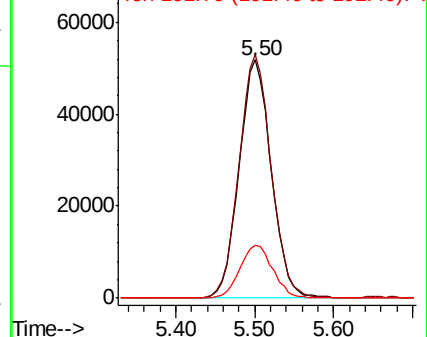
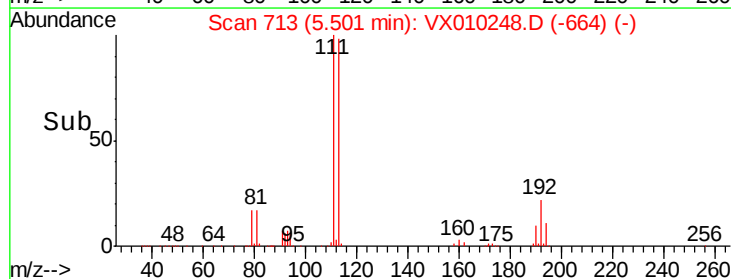
192 22.8 17.1 25.7

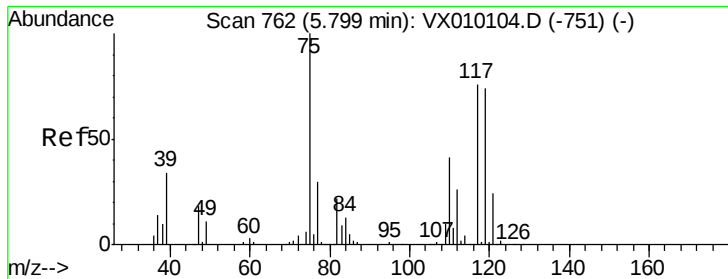


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

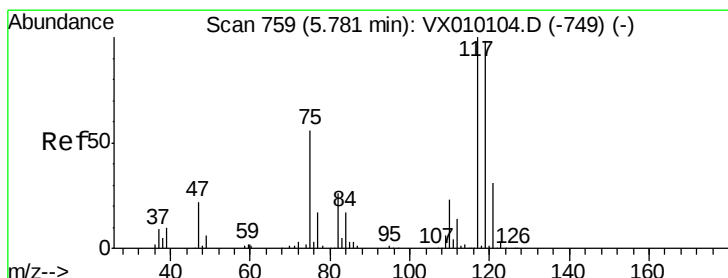
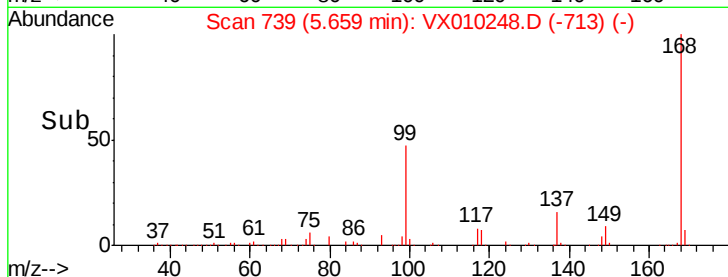
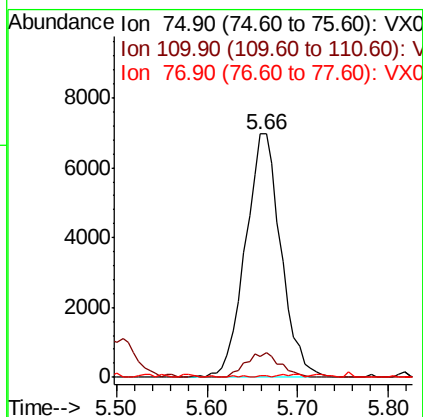
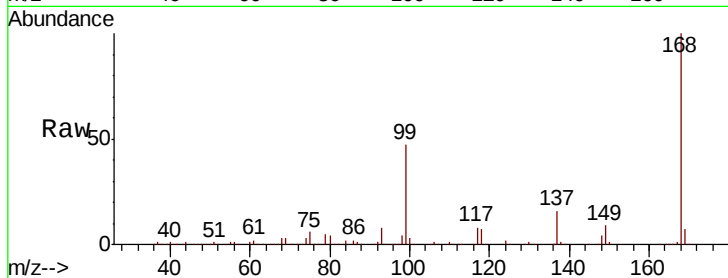




#36
 1,1-Dichloropropene
 Concen: 4.856 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010248.D
 Acq: 12 Jun 2019 14:14

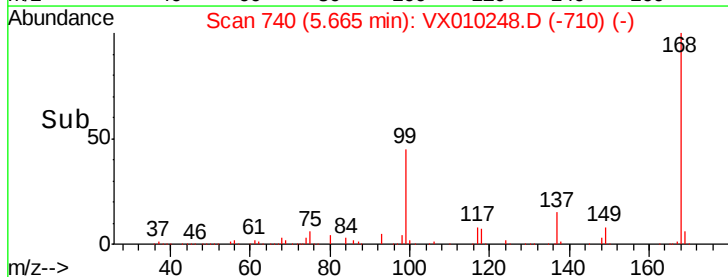
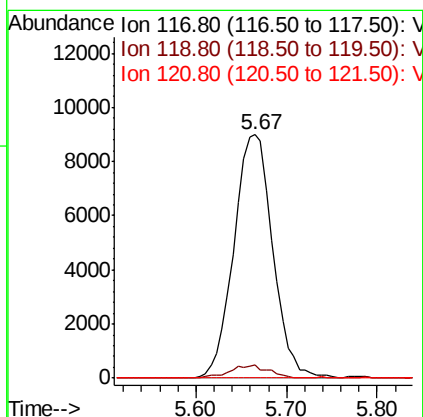
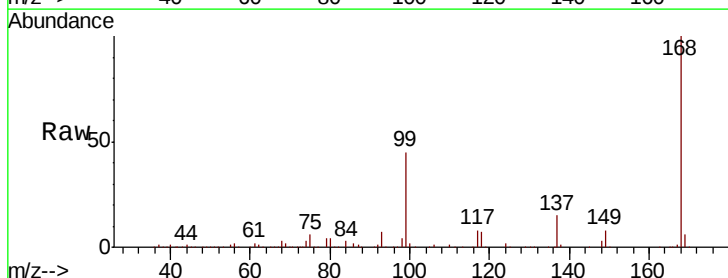
Instrument :
 MSVOA_X
 ClientSampleId :

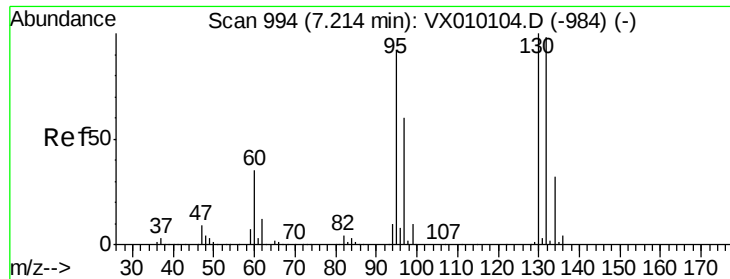
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.7	50.1#
77	0.2	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.103 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010248.D
 Acq: 12 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.3	115.9#
121	0.0	25.4	38.0#





#44

Trichloroethene

Concen: 12.951 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

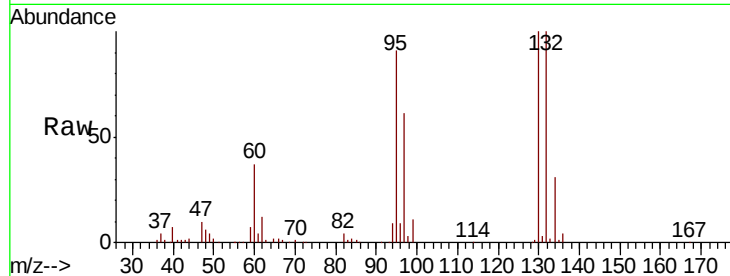
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:130 Resp: 46716

Ion Ratio Lower Upper

130 100

95 91.2 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

25000

20000

15000

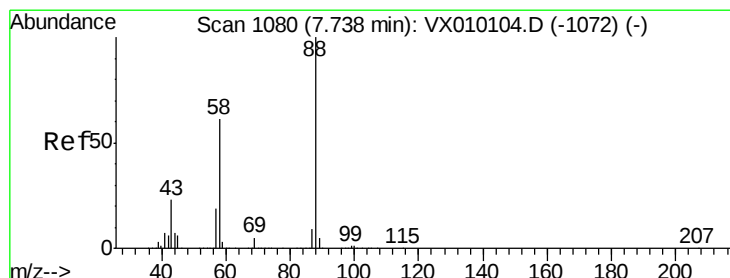
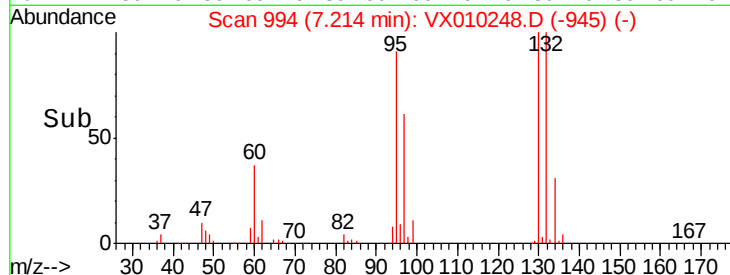
10000

5000

0

Time-->

7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 0.234 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.06 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

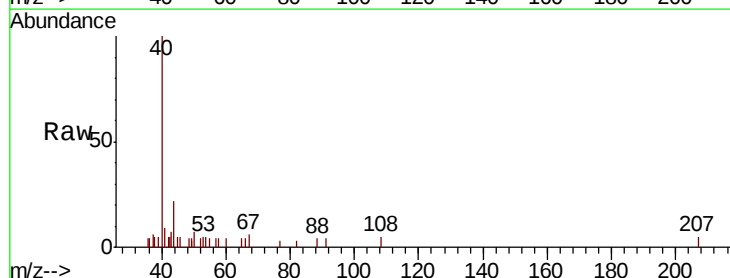
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.4#

58 285.7 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

200

150

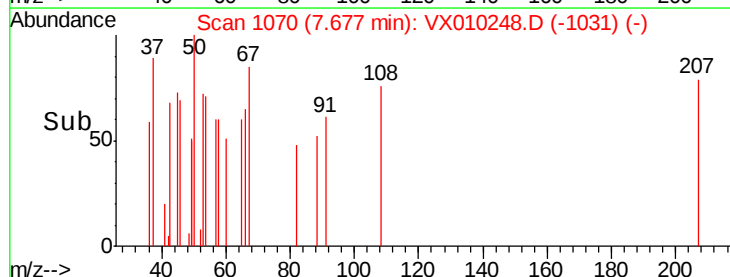
100

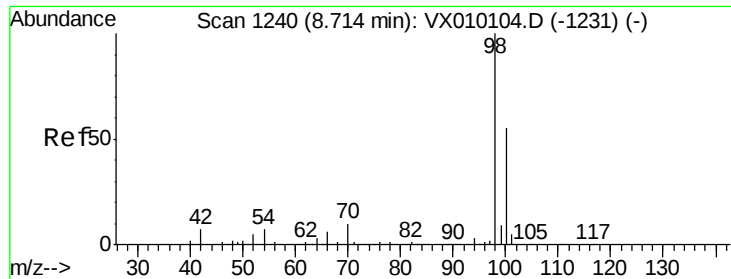
50

0

Time-->

7.66 7.67 7.68 7.69

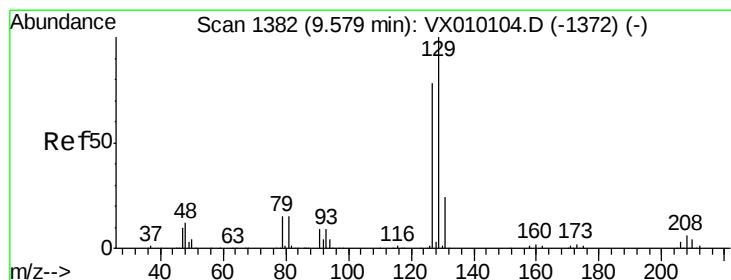
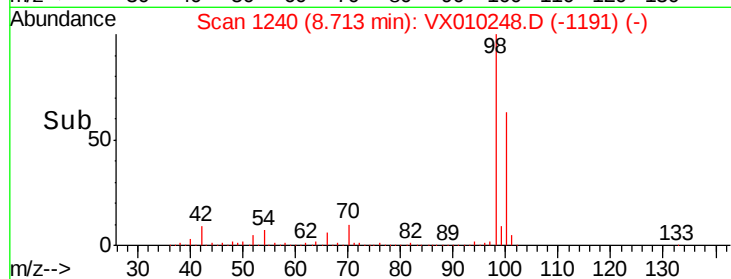
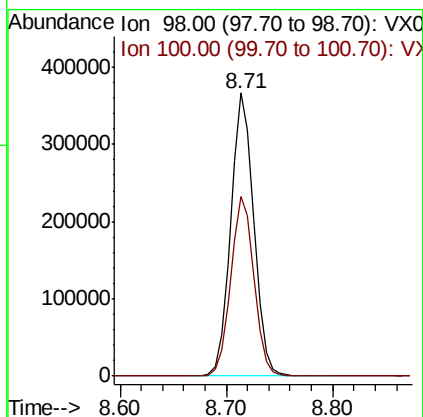
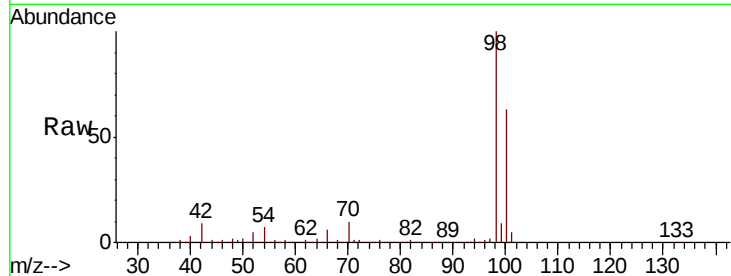




#50
Toluene-d8
Concen: 50.929 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010248.D
Acq: 12 Jun 2019 14:14

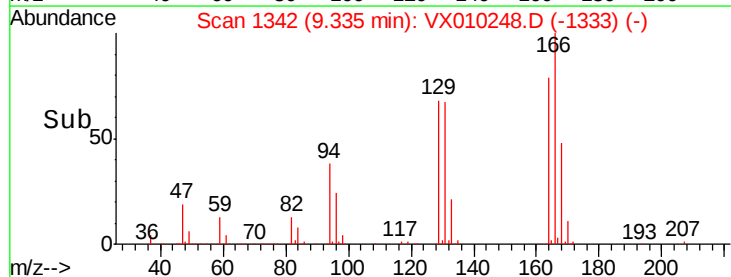
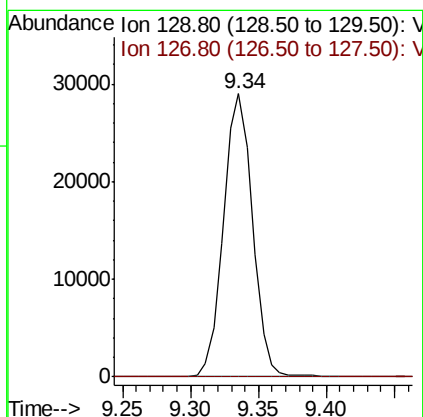
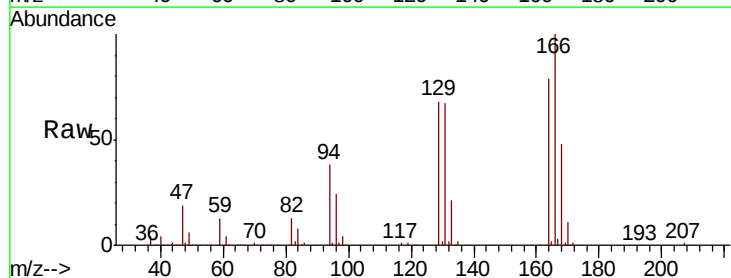
Instrument :
MSVOA_X
ClientSampleId :

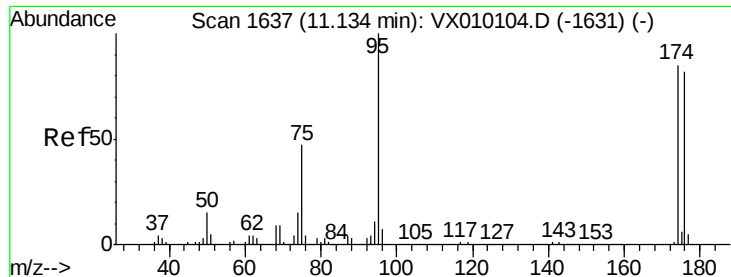
Tot Ion: 98 Resp: 558500
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#60
Dibromochloromethane
Concen: 11.267 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010248.D
Acq: 12 Jun 2019 14:14

Tgt Ion:129 Resp: 42935
Ion Ratio Lower Upper
129 100
127 0.1 38.5 115.5#

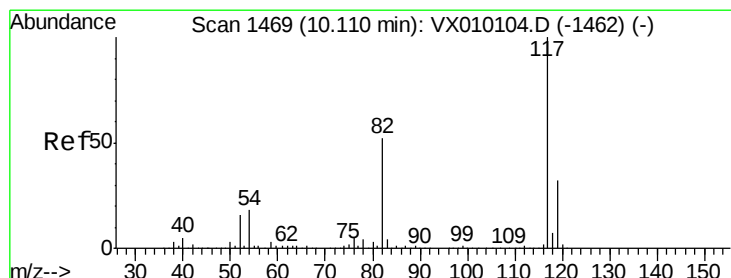
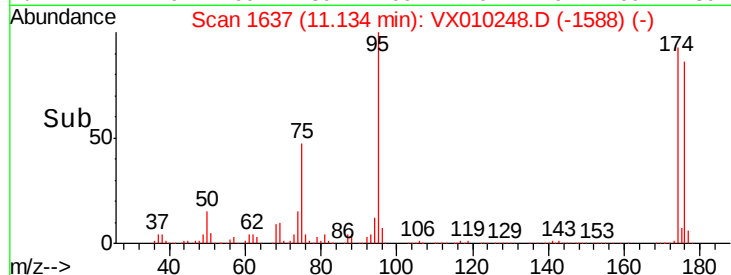
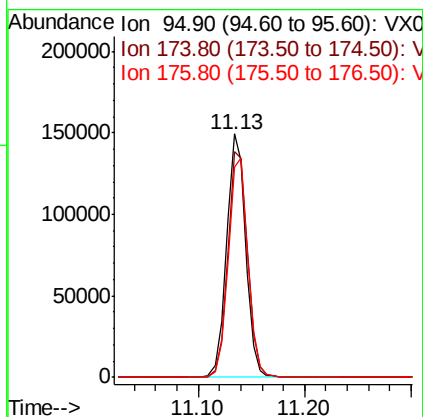
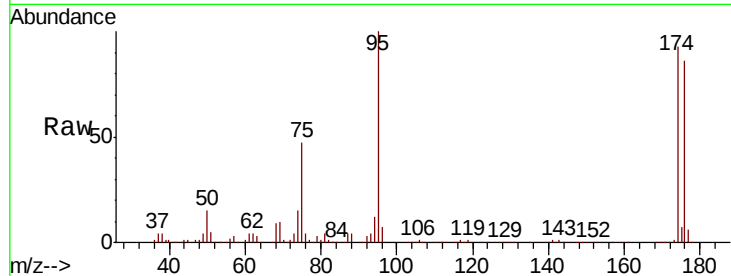




#62
4-Bromofluorobenzene
Concen: 45.790 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010248.D
Acq: 12 Jun 2019 14:14

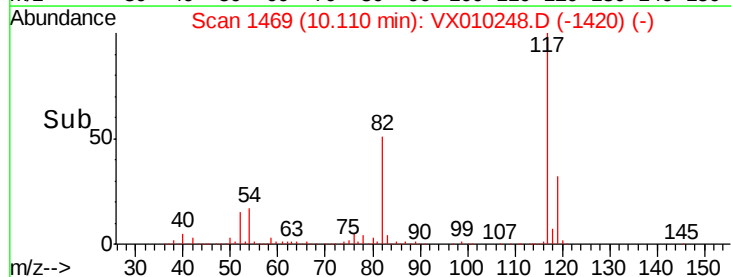
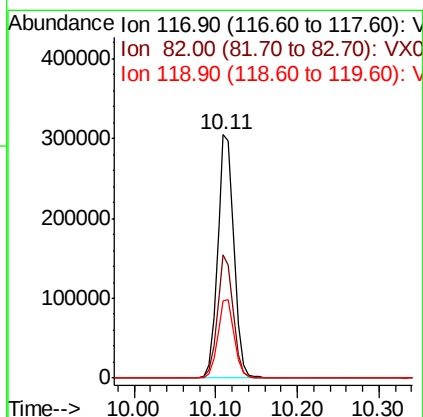
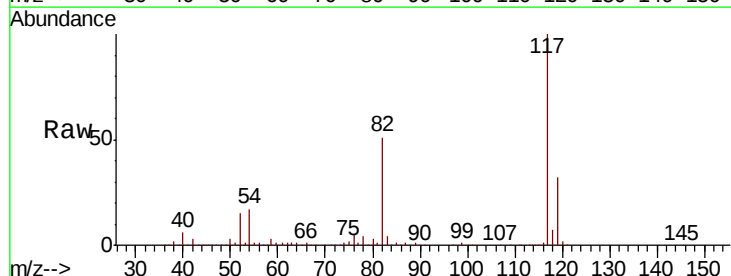
Instrument :
MSVOA_X
ClientSampleId :

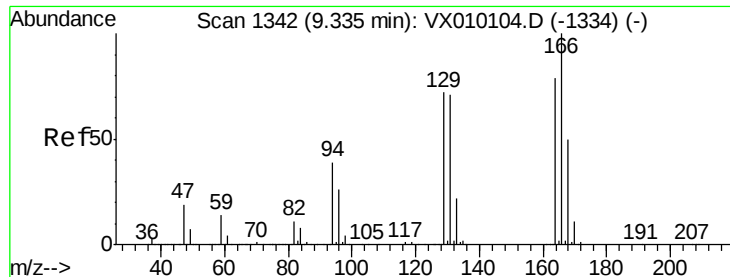
Tot Ion	95	Resp	187531
Ion Ratio	Lower	Upper	
95	100		
174	96.5	0.0	160.4
176	92.5	0.0	154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010248.D
Acq: 12 Jun 2019 14:14

Tgt Ion	117	Resp	429039
Ion Ratio	Lower	Upper	
117	100		
82	50.7	49.2	73.8
119	31.8	25.2	37.8

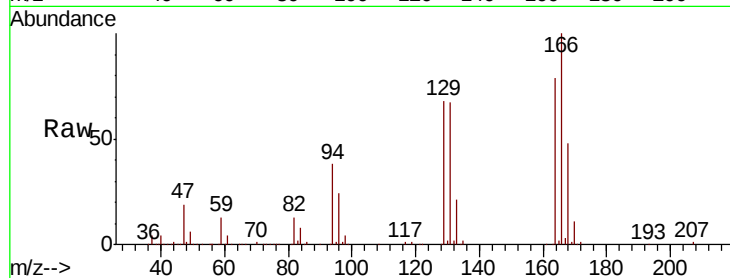




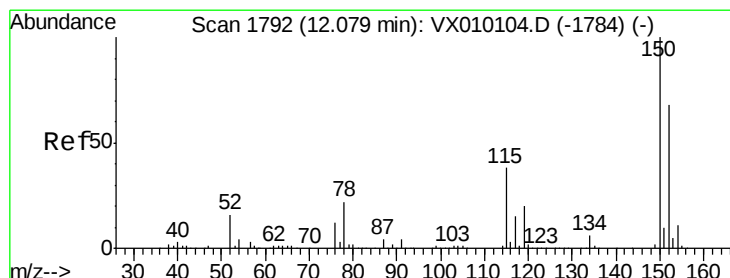
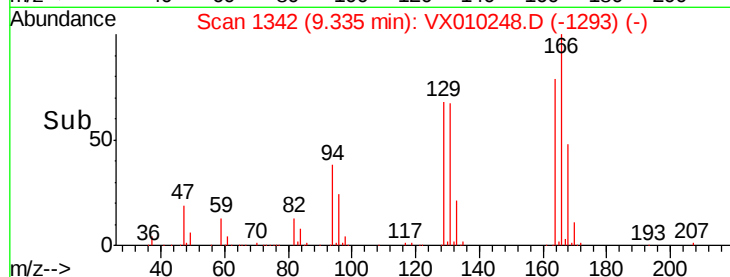
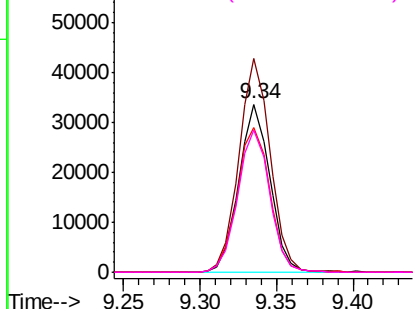
#64
Tetrachloroethene
Concen: 14.973 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010248.D
Acq: 12 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 47713
Ion Ratio Lower Upper
164 100
166 126.9 105.0 157.4
129 86.0 75.1 112.7
131 84.7 72.2 108.4

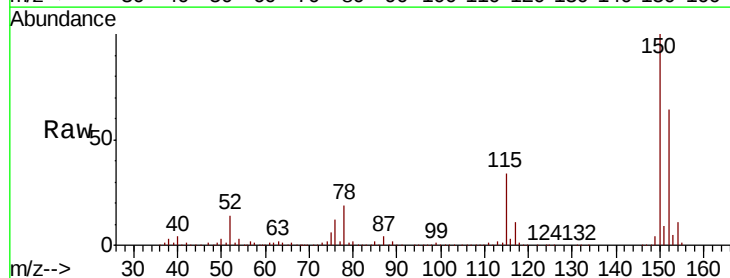


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

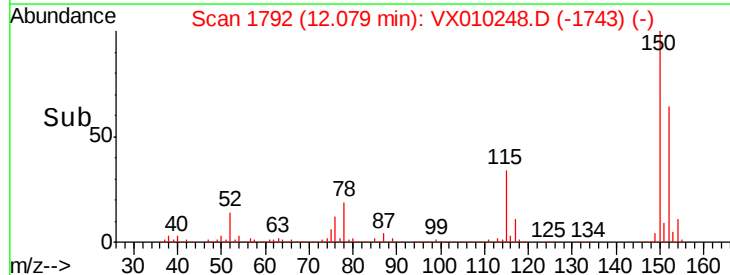
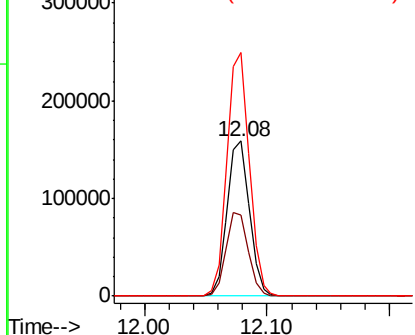


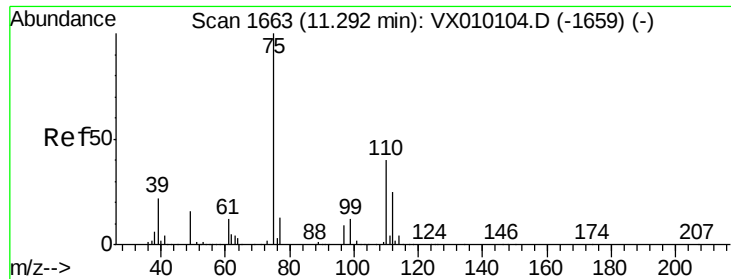
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010248.D
Acq: 12 Jun 2019 14:14

Tgt Ion:152 Resp: 199648
Ion Ratio Lower Upper
152 100
115 54.2 41.4 124.2
150 157.0 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: 21.583 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

Instrument :

MSVOA_X

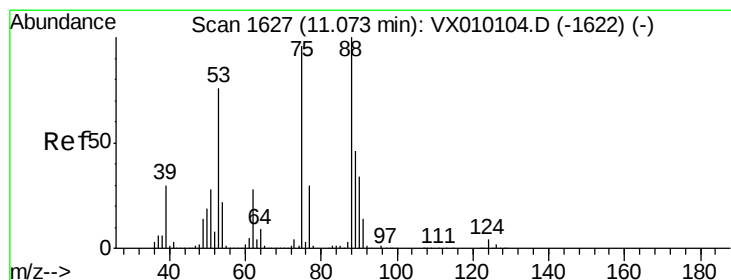
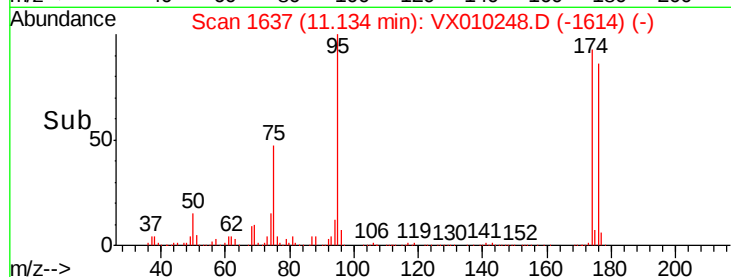
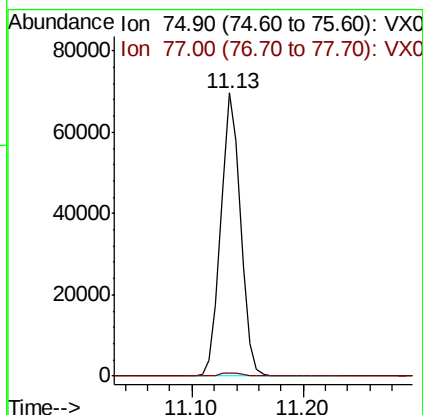
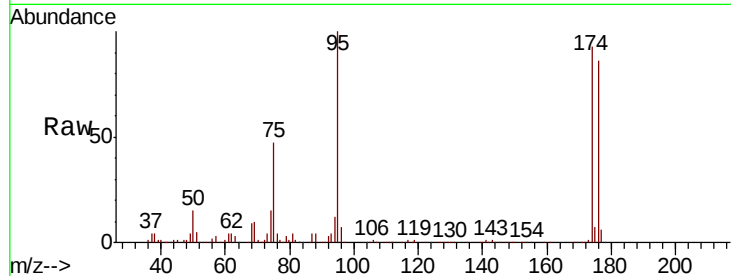
ClientSampleId :

Tot Ion: 75 Resp: 86187

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.685 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

Tgt Ion: 75 Resp: 86187

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.0 34.2 51.4#

