

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010457.D
 Acq On : 26 Jun 2019 13:02
 Operator : JC/SP
 Sample : K3527-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 01:11:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	349871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160117	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	119937	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
35) Dibromofluoromethane	5.50	113	118950	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
50) Toluene-d8	8.71	98	461726	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	11.13	95	152021	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

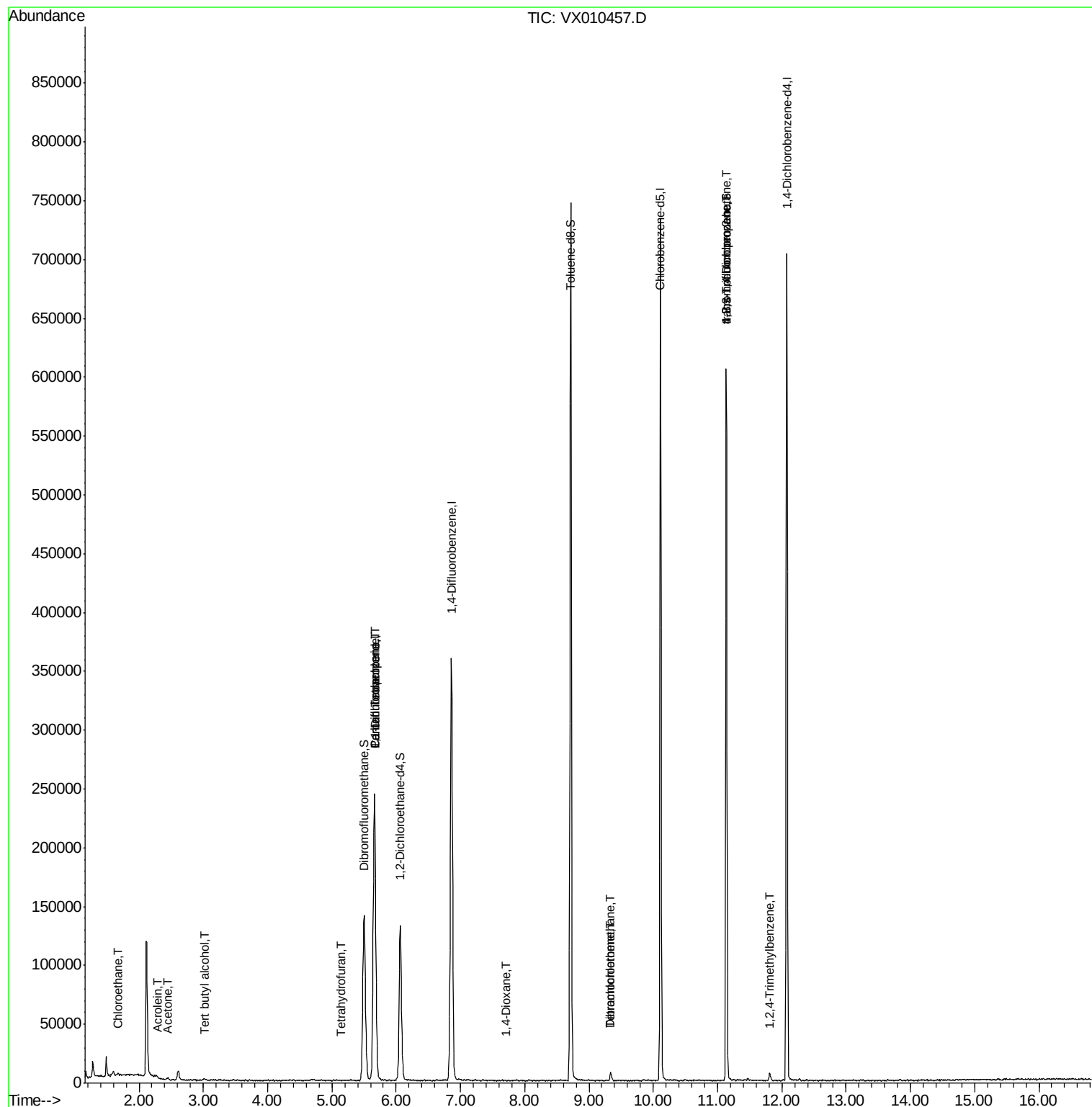
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.67	64	1102	0.826	ug/l #	64
11) Tert butyl alcohol	3.02	59	569	0.910	ug/l #	79
13) Acrolein	2.29	56	131	0.316	ug/l #	1
16) Acetone	2.45	43	2606	2.175	ug/l	92
29) Tetrahydrofuran	5.14	42	296	0.272	ug/l #	45
36) 1,1-Dichloropropene	5.66	75	15719	5.058	ug/l #	43
38) Carbon Tetrachloride	5.67	117	22215	6.602	ug/l #	15
49) 1,4-Dioxane	7.70	88	30	0.424	ug/l #	28
60) Dibromochloromethane	9.33	129	1375	0.467	ug/l #	11
64) Tetrachloroethene	9.34	164	1483	0.524	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	72697	24.915	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72697	58.125	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.81	105	2288	0.255	ug/l #	35

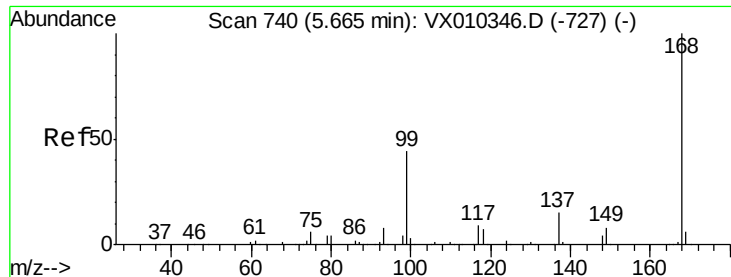
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010457.D

Acq: 26 Jun 2019 13:02

Instrument :

MSVOA_X

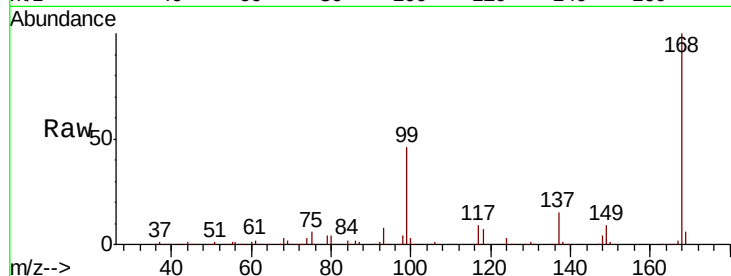
ClientSampled :

Tot Ion:168 Resp: 254989

Ion Ratio Lower Upper

168 100

99 45.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

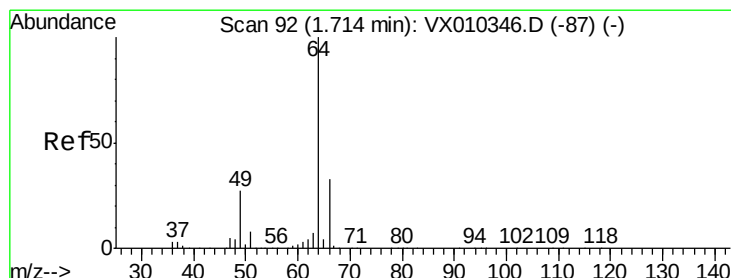
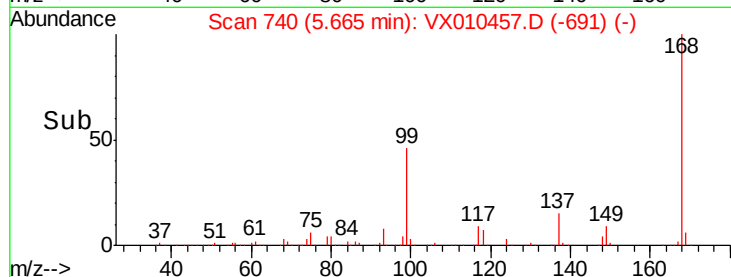
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.826 ug/l

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX010457.D

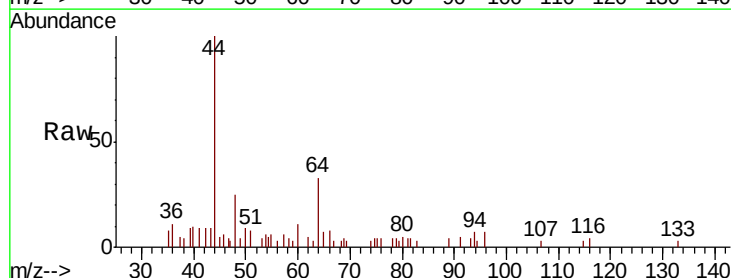
Acq: 26 Jun 2019 13:02

Tgt Ion: 64 Resp: 1102

Ion Ratio Lower Upper

64 100

66 13.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.67

600

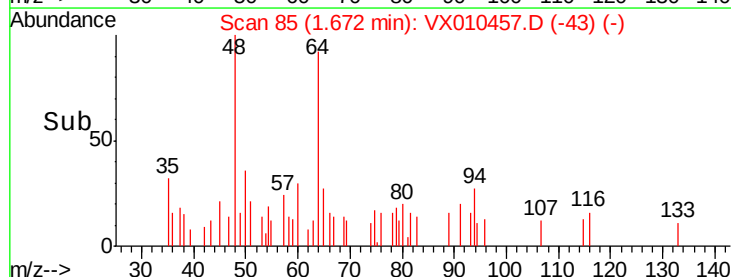
400

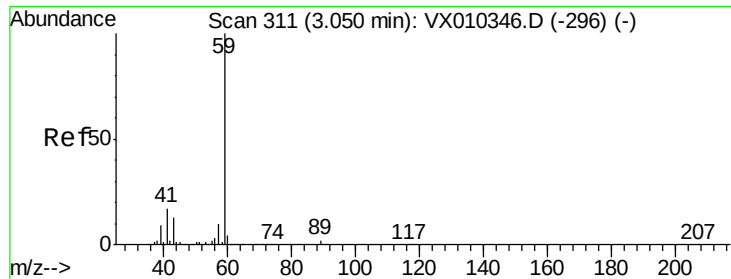
200

0

Time-->

1.60 1.65 1.70

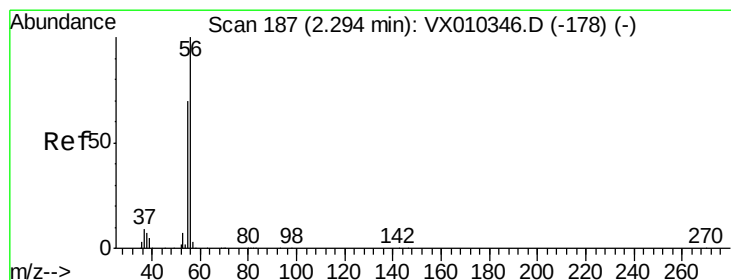
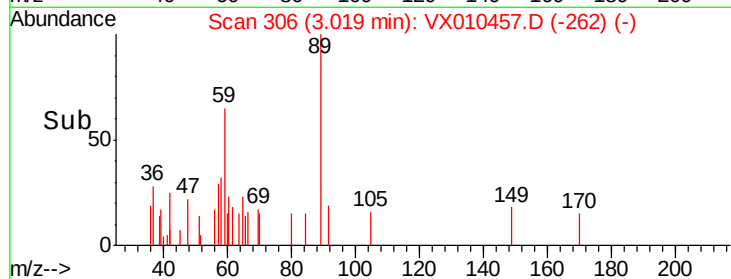
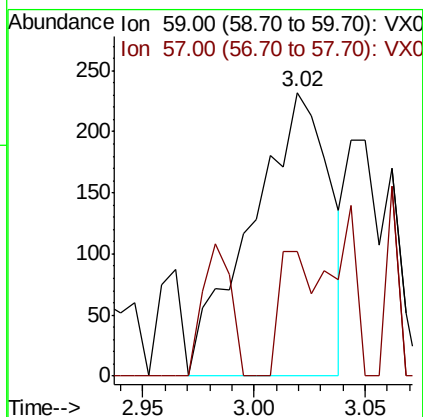
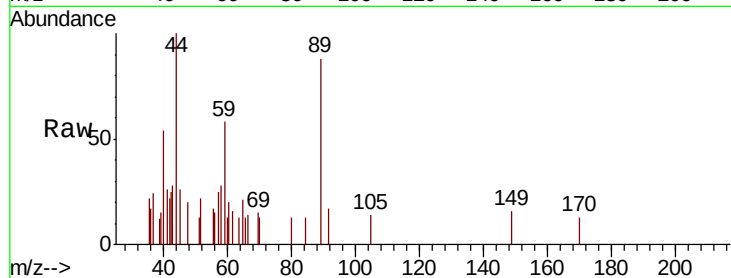




#11
Tert butyl alcohol
Concen: 0.910 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010457.D
Acq: 26 Jun 2019 13:02

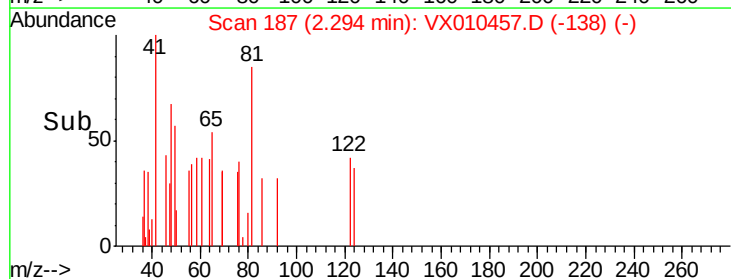
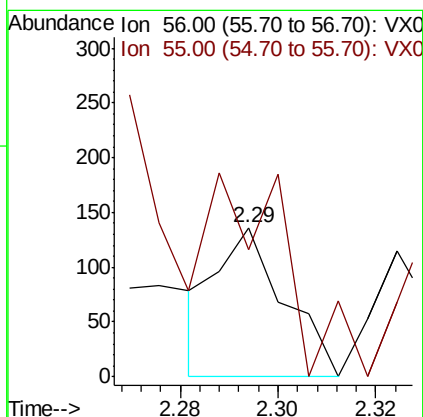
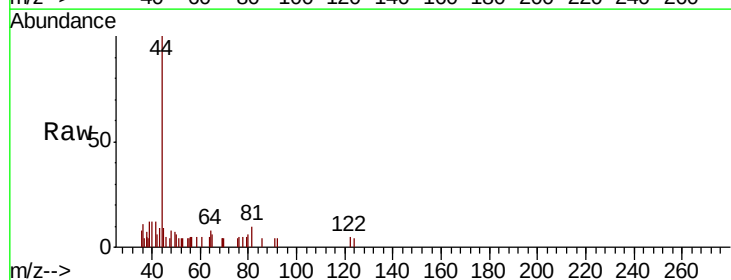
Instrument :
MSVOA_X
ClientSampled :

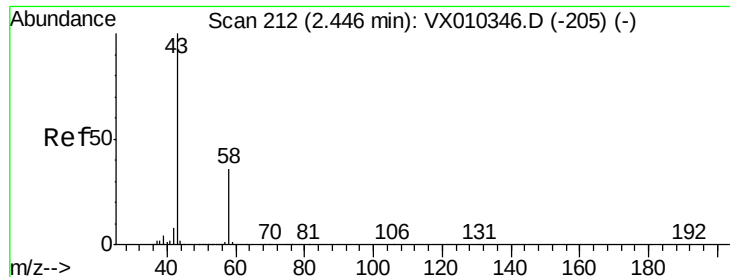
Tot Ion: 59 Resp: 569
Ion Ratio Lower Upper
59 100
57 17.4 7.7 11.5#



#13
Acrolein
Concen: 0.316 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010457.D
Acq: 26 Jun 2019 13:02

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 155.0 56.9 85.3#





#16

Acetone

Concen: 2.175 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010457.D

Acq: 26 Jun 2019 13:02

Instrument :

MSVOA_X

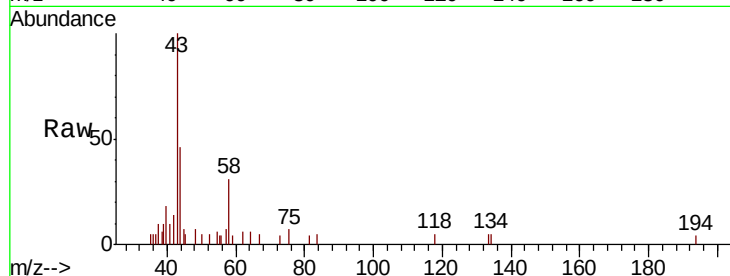
ClientSampled :

Tot Ion: 43 Resp: 2606

Ion Ratio Lower Upper

43 100

58 31.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

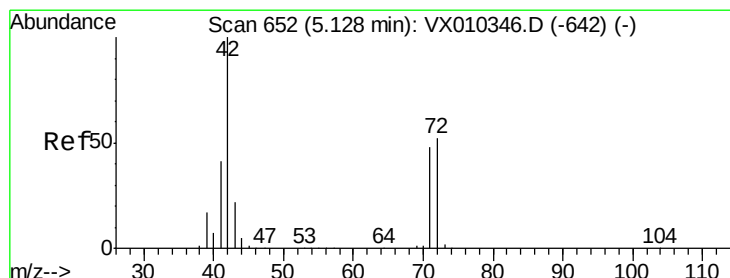
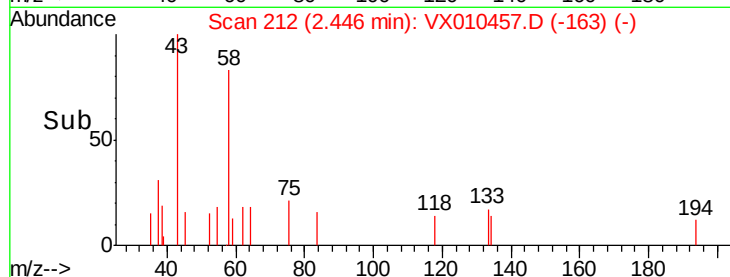
1000

500

0

2.40 2.45 2.50

Time-->



#29

Tetrahydrofuran

Concen: 0.272 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX010457.D

Acq: 26 Jun 2019 13:02

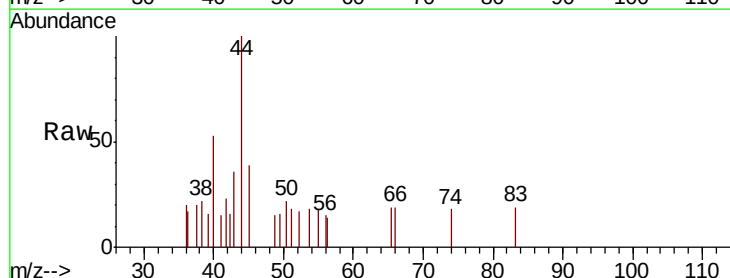
Tgt Ion: 42 Resp: 296

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

71 24.0 37.8 56.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

200

150

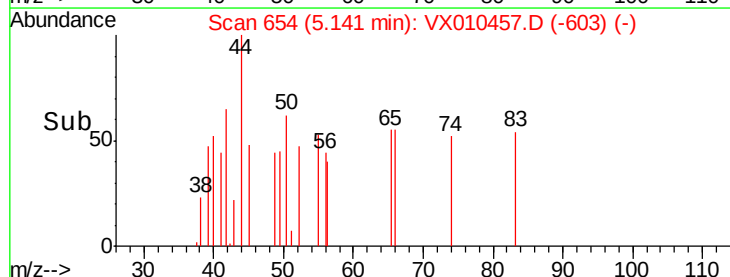
100

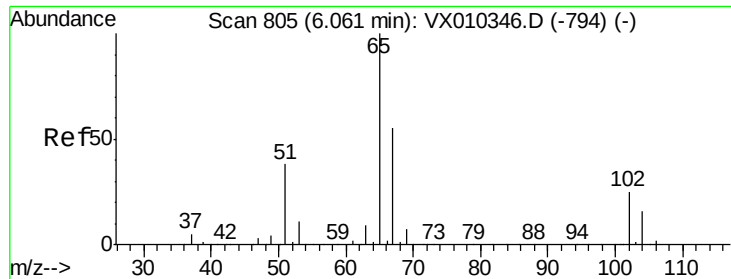
50

0

5.12 5.14 5.16 5.18

Time-->

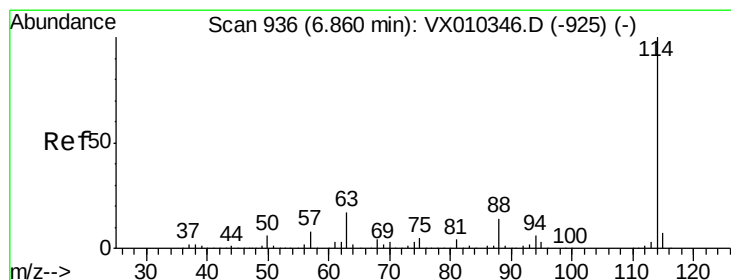
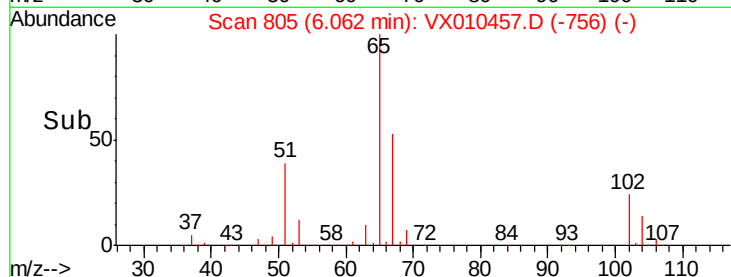
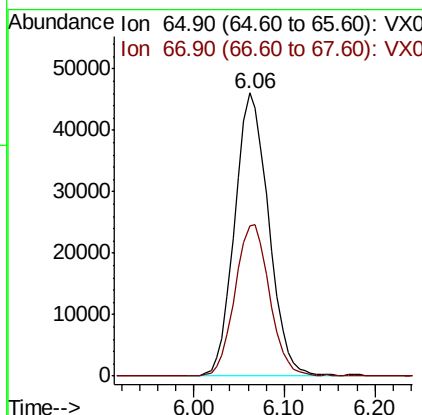
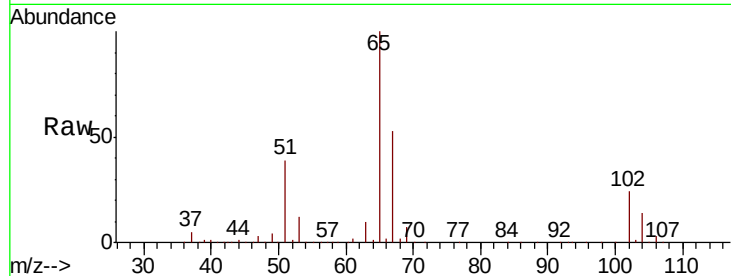




#33
 1,2-Dichloroethane-d4
 Concen: 50.167 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010457.D
 Acq: 26 Jun 2019 13:02

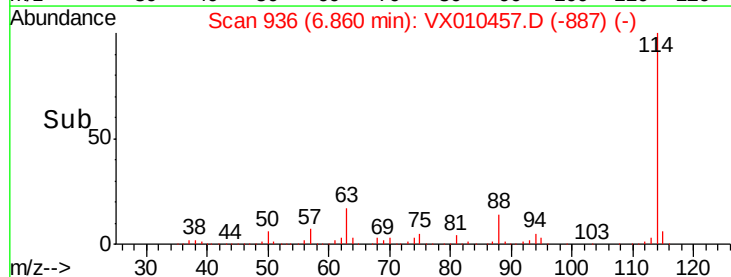
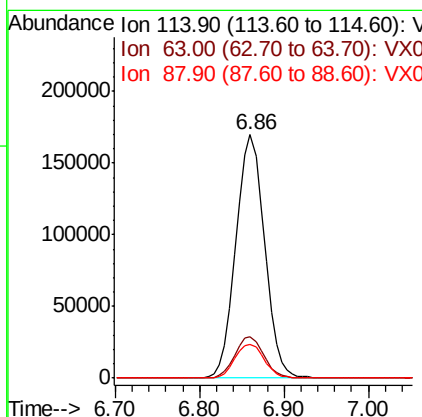
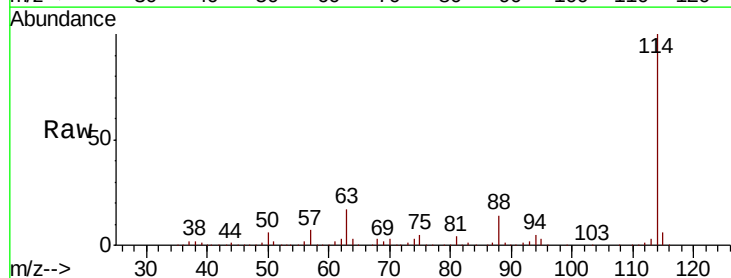
Instrument :
 MSVOA_X
 ClientSampleId :

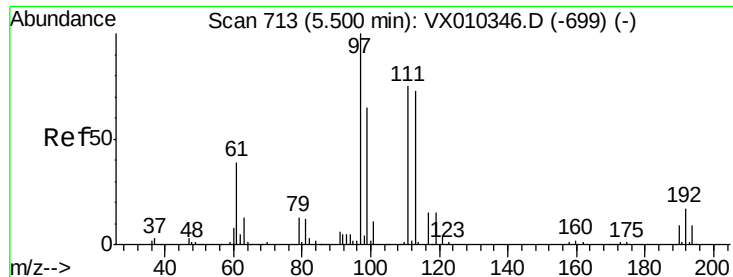
Tot Ion: 65 Resp: 119937
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010457.D
 Acq: 26 Jun 2019 13:02

Tgt Ion: 114 Resp: 391046
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 33.8
 88 13.9 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.717 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010457.D

Acq: 26 Jun 2019 13:02

Instrument :

MSVOA_X

ClientSampleId :

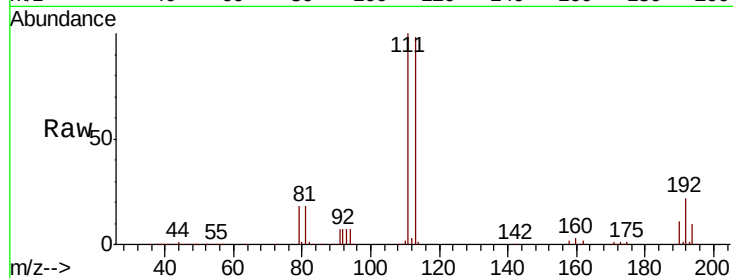
Tot Ion:113 Resp: 118950

Ion Ratio Lower Upper

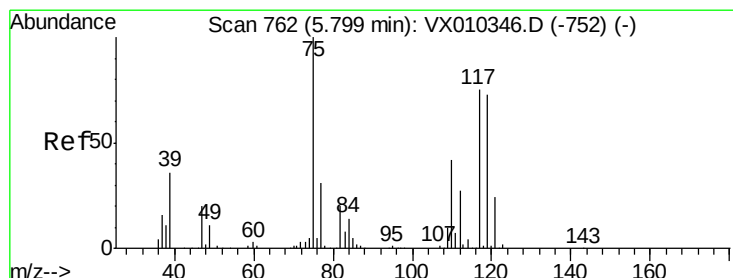
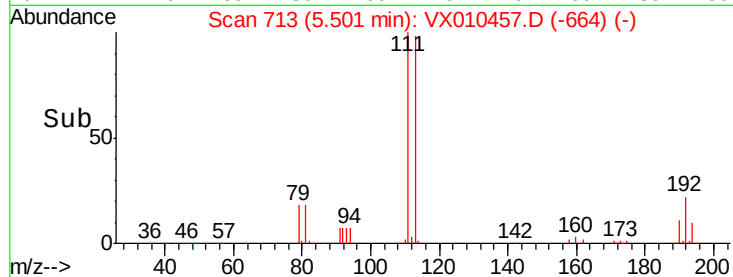
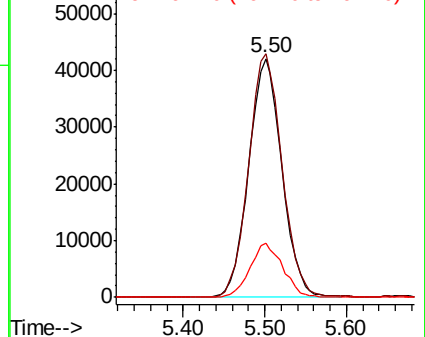
113 100

111 103.0 81.2 121.8

192 22.5 18.6 27.8



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: 5.058 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010457.D

Acq: 26 Jun 2019 13:02

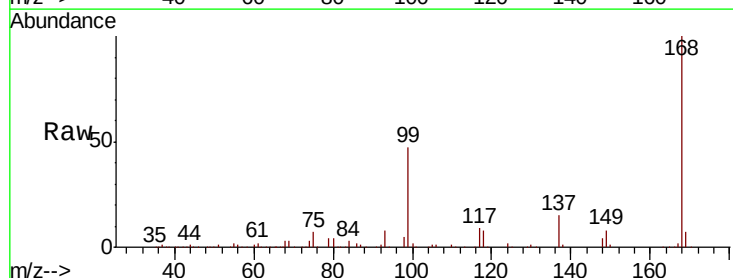
Tgt Ion: 75 Resp: 15719

Ion Ratio Lower Upper

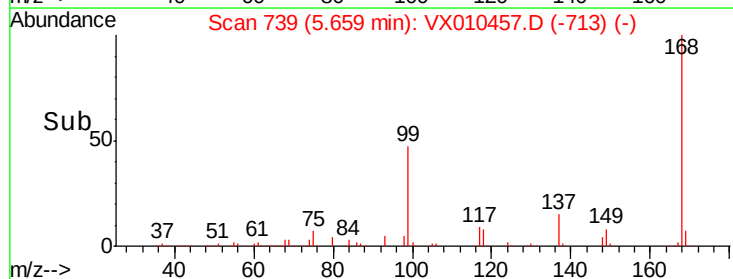
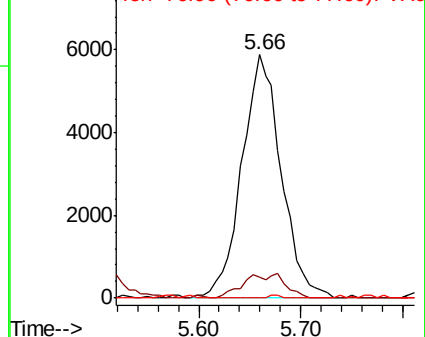
75 100

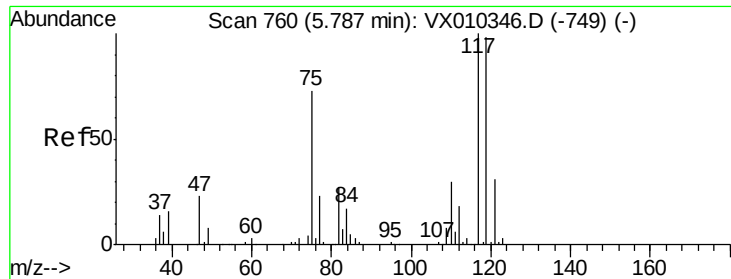
110 6.1 20.8 62.2#

77 0.0 25.4 38.0#



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

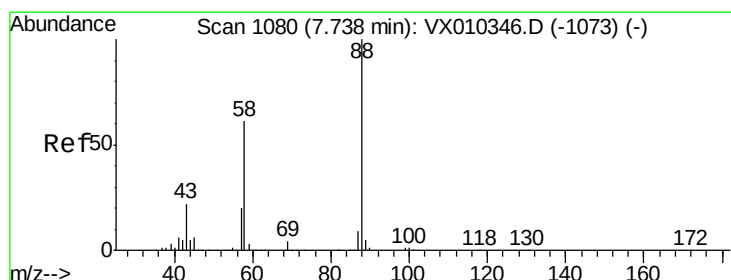
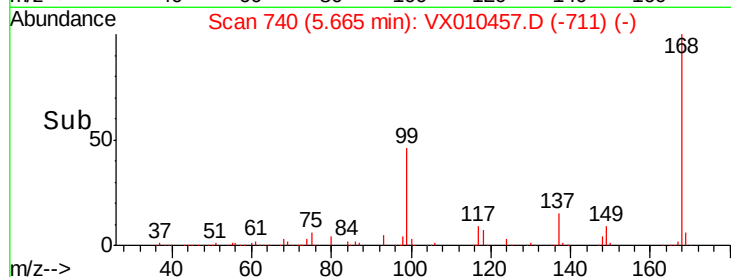
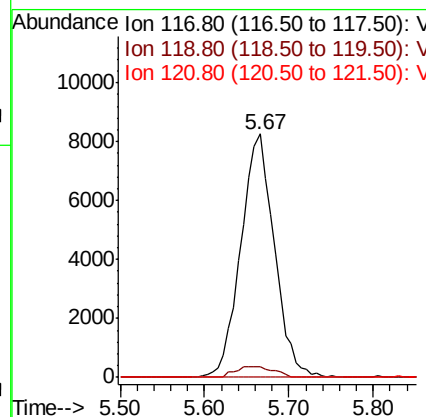
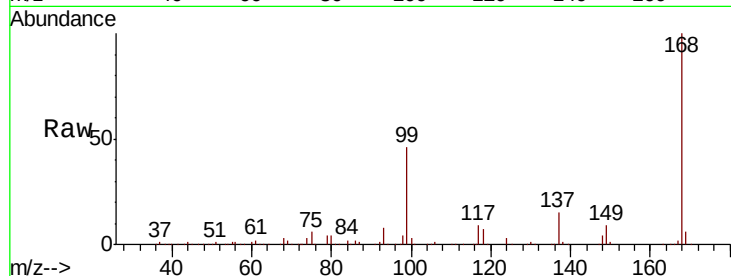




#38
Carbon Tetrachloride
Concen: 6.602 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010457.D
Acq: 26 Jun 2019 13:02

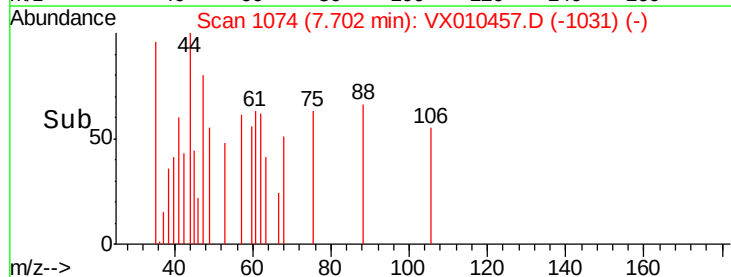
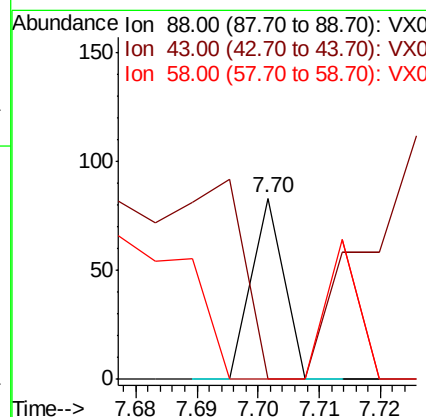
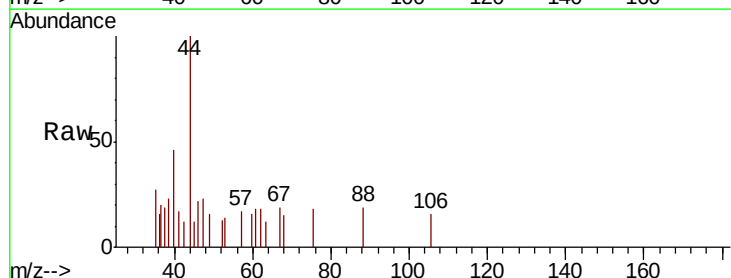
Instrument :
MSVOA_X
ClientSampled :

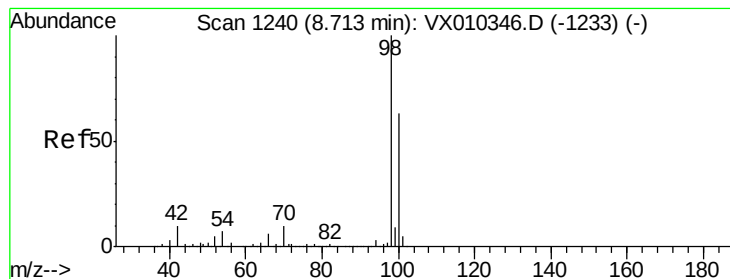
Tot Ion:117 Resp: 22215
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.4#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.424 ug/l
RT: 7.70 min Scan# 1074
Delta R.T. -0.04 min
Lab File: VX010457.D
Acq: 26 Jun 2019 13:02

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#





#50

Toluene-d8

Concen: 50.443 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010457.D

Acq: 26 Jun 2019 13:02

Instrument :

MSVOA_X

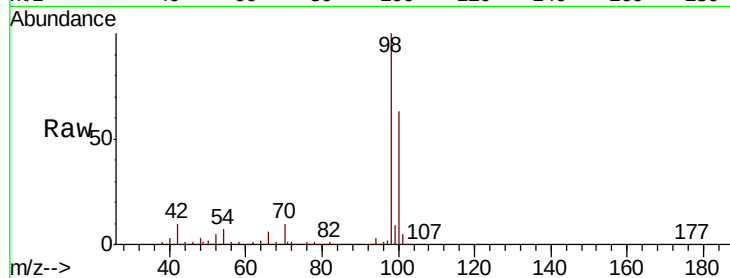
ClientSampleId :

Tot Ion: 98 Resp: 461726

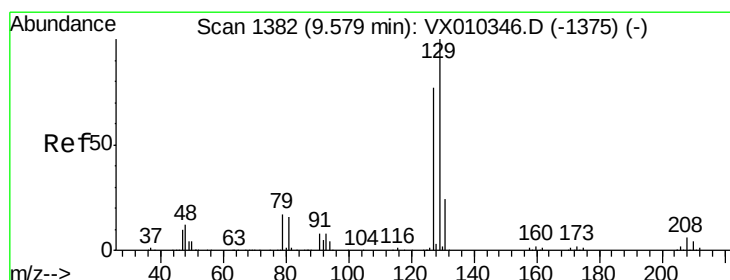
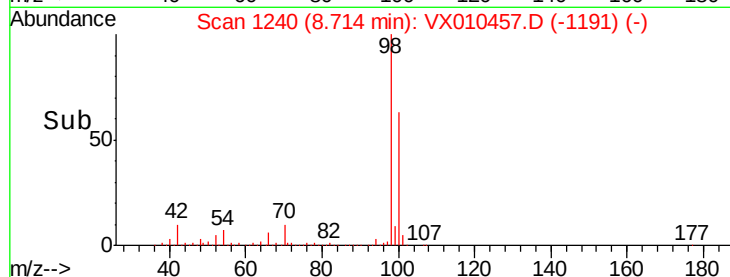
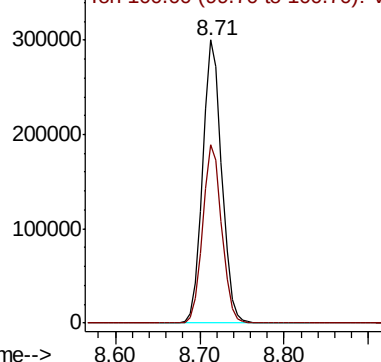
Ion Ratio Lower Upper

98 100

100 63.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX010346.D (-1233) (-)



#60

Dibromochloromethane

Concen: 0.467 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX010457.D

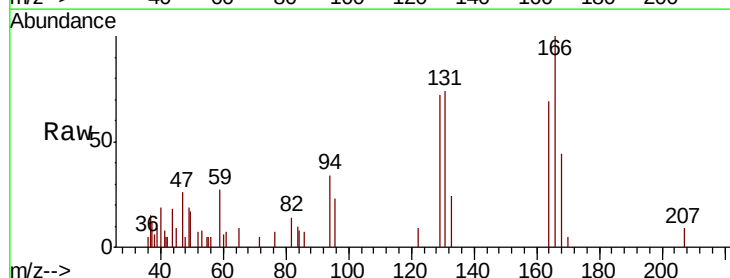
Acq: 26 Jun 2019 13:02

Tgt Ion: 129 Resp: 1375

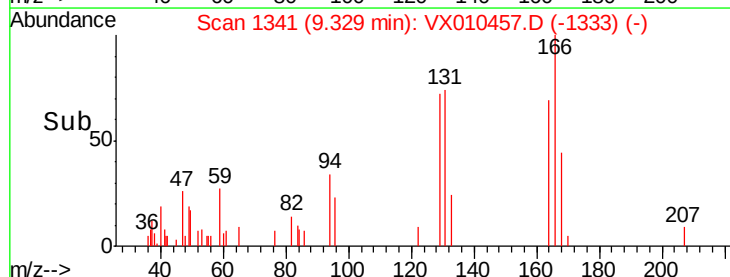
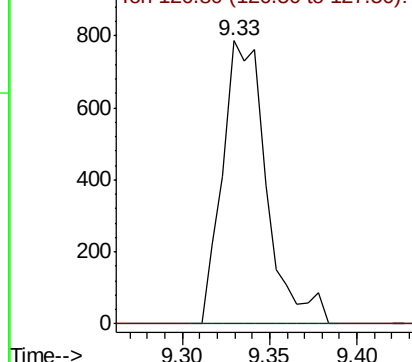
Ion Ratio Lower Upper

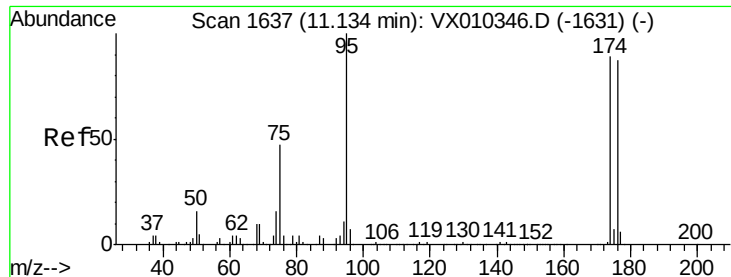
129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): VX010346.D (-1375) (-)





#62

4-Bromofluorobenzene

Concen: 46.002 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010457.D

Acq: 26 Jun 2019 13:02

Instrument :

MSVOA_X

ClientSampleId :

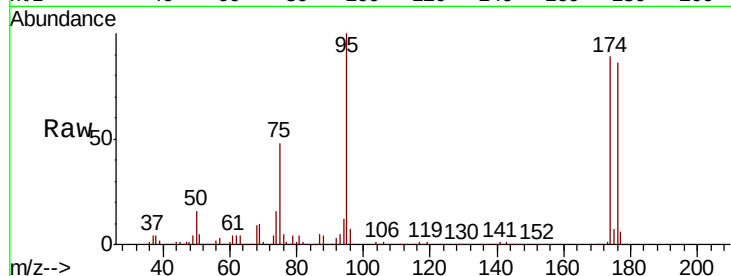
Tot Ion: 95 Resp: 152021

Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.6

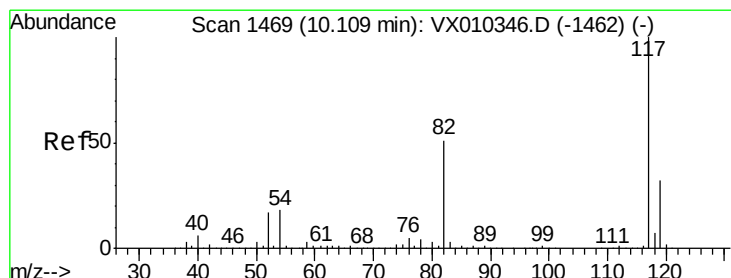
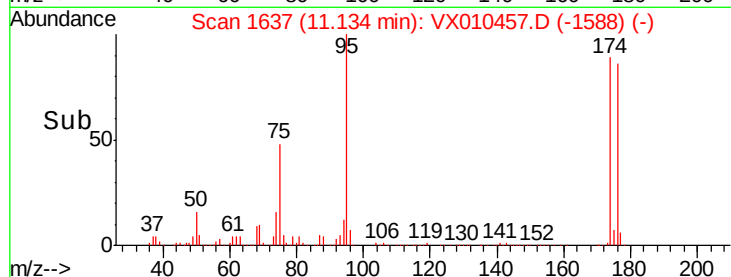
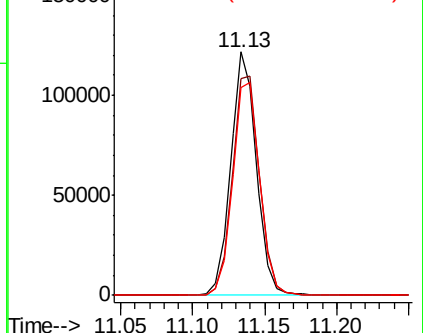
176 92.4 0.0 184.0



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: VX010457.D

Acq: 26 Jun 2019 13:02

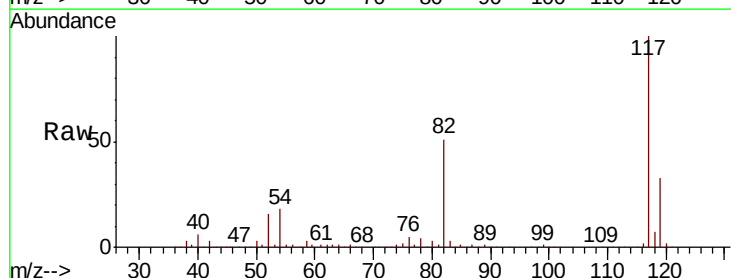
Tgt Ion: 117 Resp: 349871

Ion Ratio Lower Upper

117 100

82 51.4 41.2 61.8

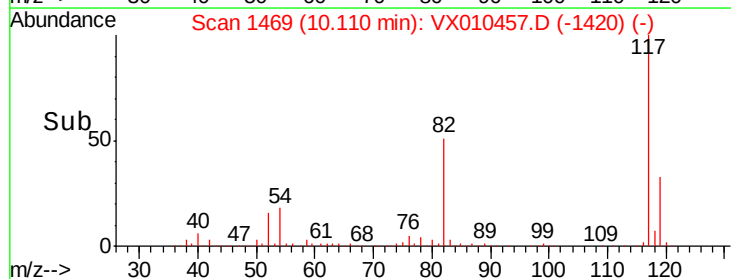
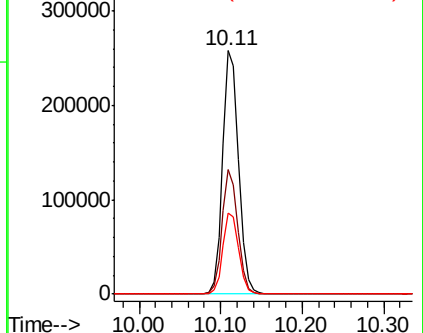
119 33.1 25.5 38.3

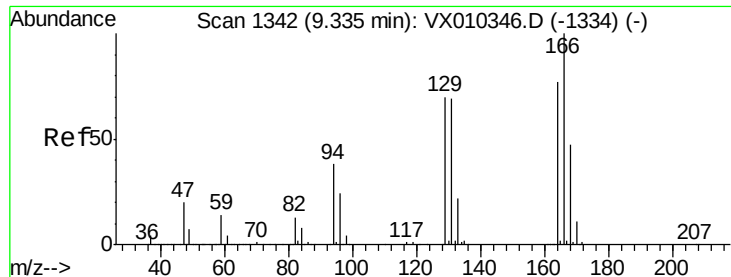


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

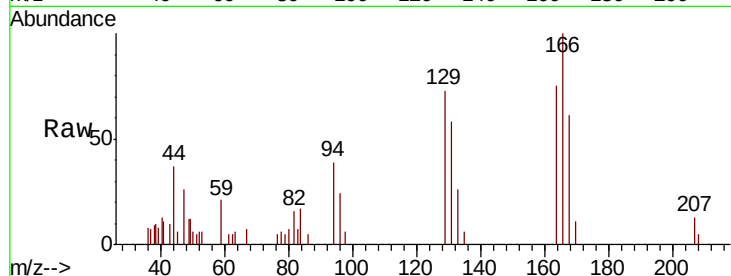




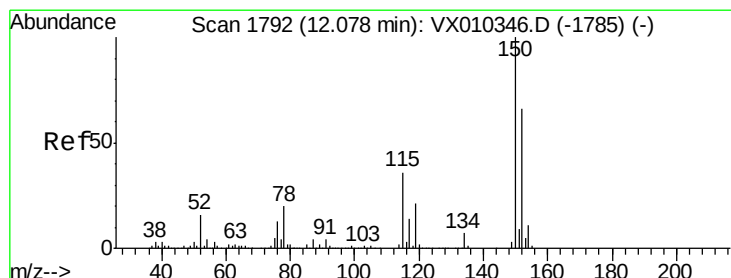
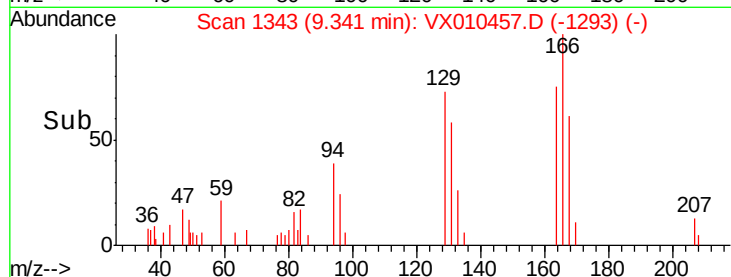
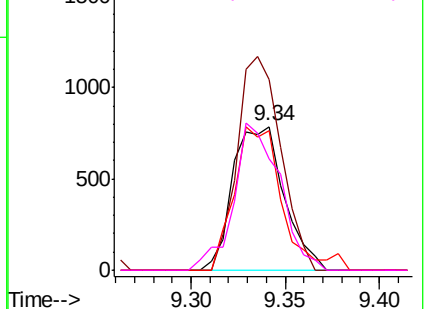
#64
Tetrachloroethene
Concen: 0.524 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX010457.D
Acq: 26 Jun 2019 13:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 1483
Ion Ratio Lower Upper
164 100
166 132.5 103.6 155.4
129 97.0 73.0 109.4
131 77.4 71.0 106.4

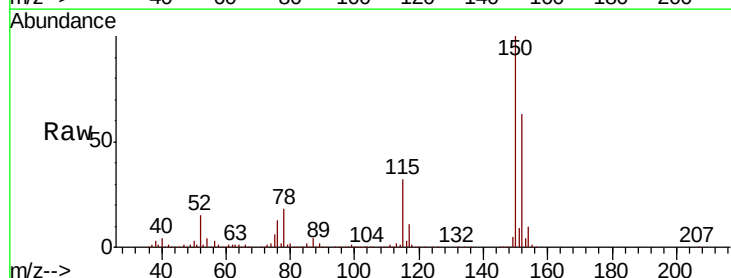


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

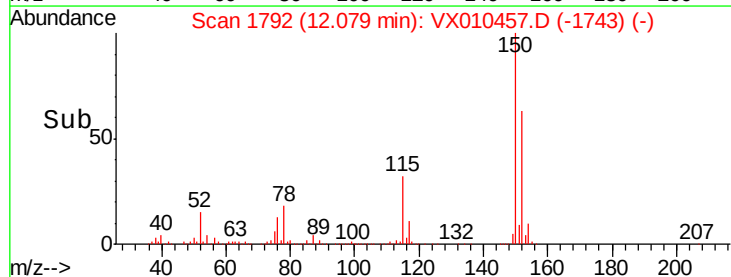
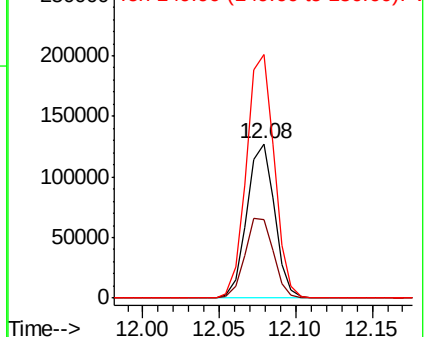


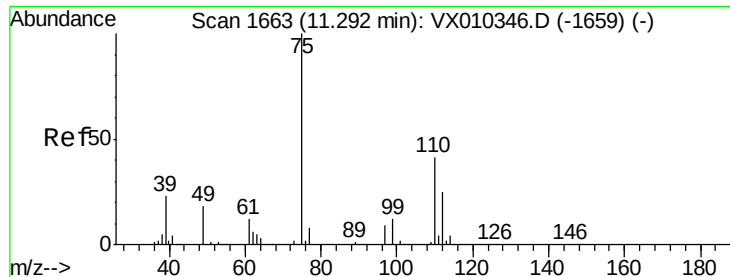
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010457.D
Acq: 26 Jun 2019 13:02

Tgt Ion:152 Resp: 160117
Ion Ratio Lower Upper
152 100
115 53.5 38.6 115.7
150 159.0 0.0 347.4



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

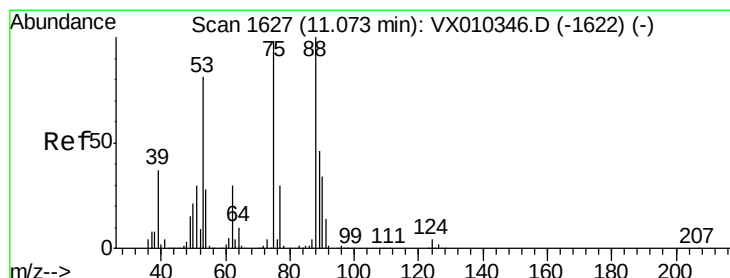
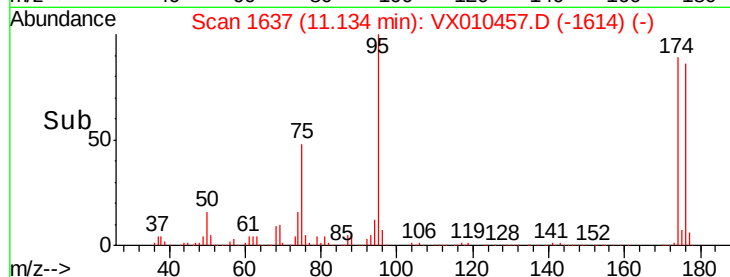
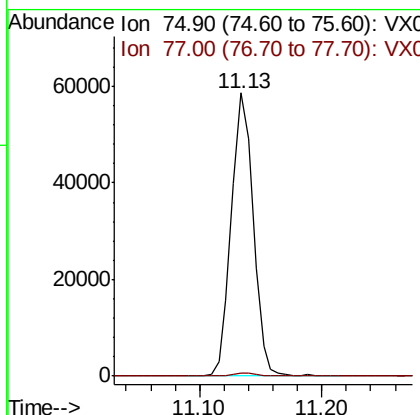
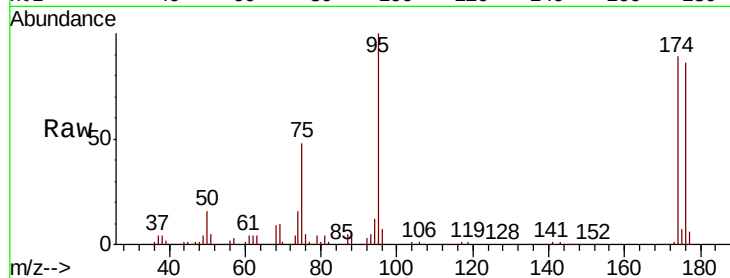




#76
 1,2,3-Trichloropropane
 Concen: 24.915 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010457.D
 Acq: 26 Jun 2019 13:02

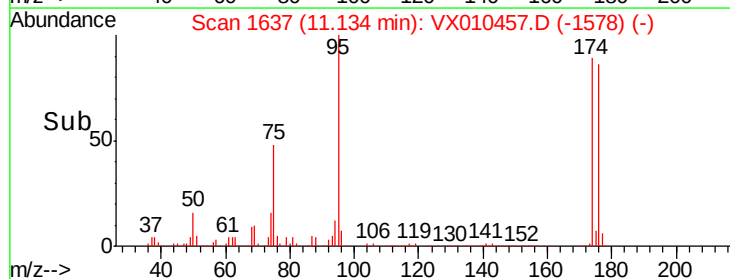
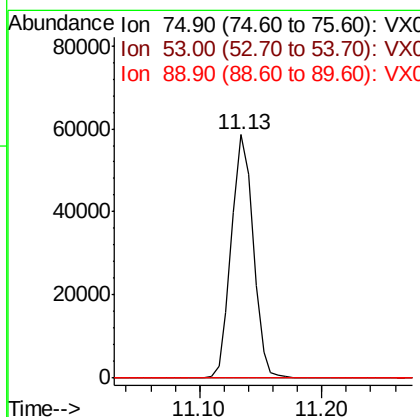
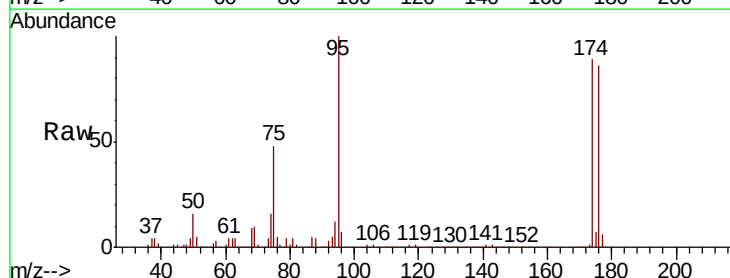
Instrument :
 MSVOA_X
 ClientSampleId :

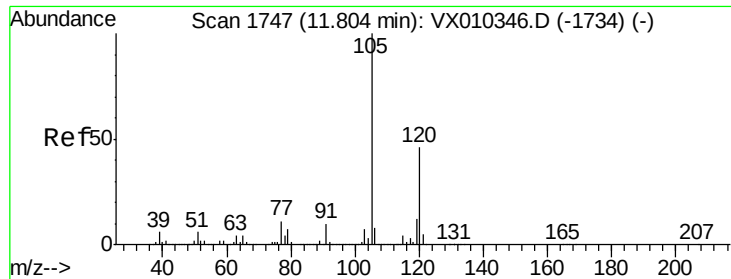
Tot Ion: 75 Resp: 72697
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.125 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010457.D
 Acq: 26 Jun 2019 13:02

Tgt Ion: 75 Resp: 72697
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.255 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX010457.D
 Acq: 26 Jun 2019 13:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 2288
 Ion Ratio Lower Upper
 105 100
 120 3.1 23.1 69.2#

