

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010463.D
 Acq On : 26 Jun 2019 15:22
 Operator : JC/SP
 Sample : K3527-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 01:13:05 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	256923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	399383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	360817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159502	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	122827	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	5.50	113	120800	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	8.71	98	468723	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.13	95	152305	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

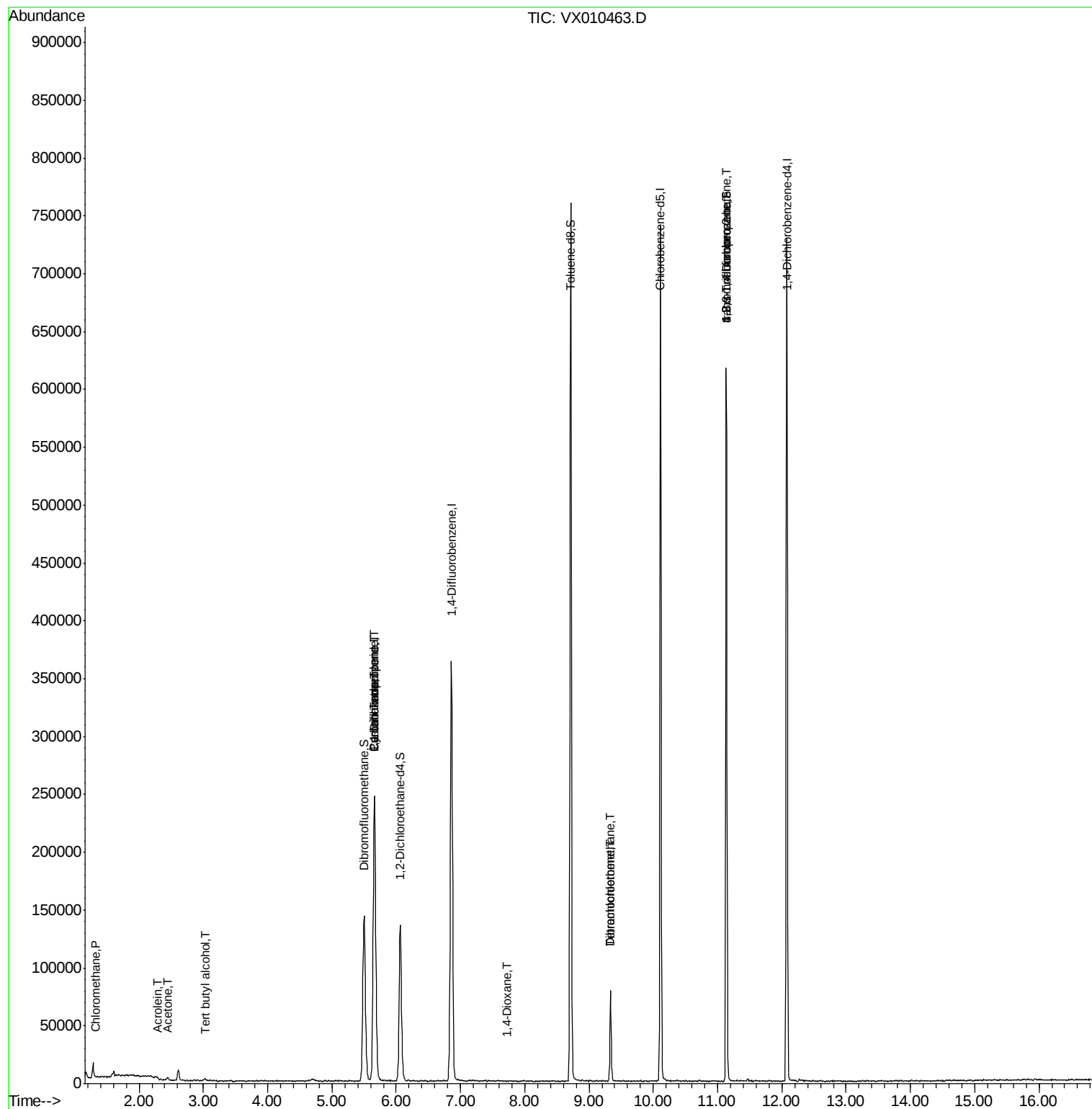
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	650	0.313	ug/l #	68
11) Tert butyl alcohol	3.03	59	1379	2.188	ug/l #	80
13) Acrolein	2.29	56	163	0.390	ug/l #	80
16) Acetone	2.45	43	2648	2.193	ug/l #	81
31) Cyclohexane	5.67	56	4626	1.329	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16453	5.184	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23162	6.740	ug/l #	15
49) 1,4-Dioxane	7.72	88	20	0.277	ug/l #	28
60) Dibromochloromethane	9.34	129	14317	4.762	ug/l #	11
64) Tetrachloroethene	9.34	164	15953	5.466	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	73078	25.143	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73078	58.655	ug/l #	16

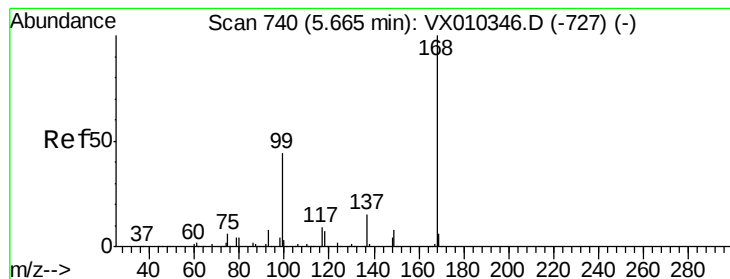
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062619\
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QLast Update : Thu Jun 20 03:31:56 2019
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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: VX010463.D

Acq: 26 Jun 2019 15:22

Instrument :

MSVOA_X

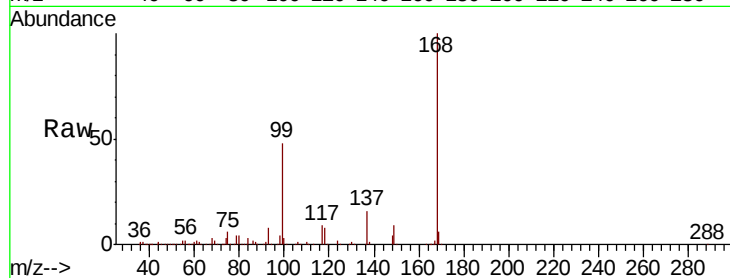
ClientSampleId :

Tot Ion:168 Resp: 256923

Ion Ratio Lower Upper

168 100

99 48.0 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

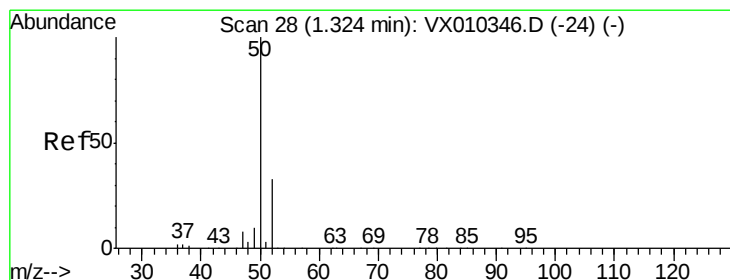
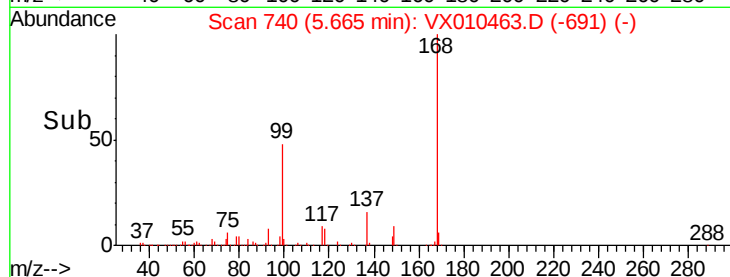
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.313 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010463.D

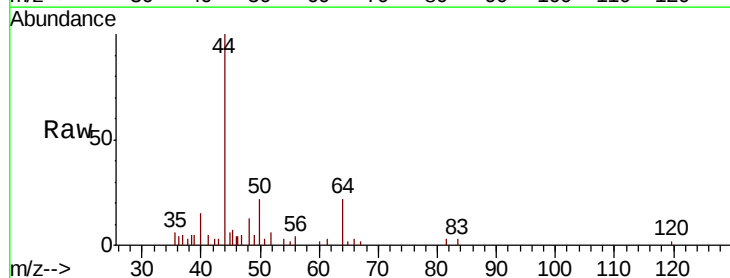
Acq: 26 Jun 2019 15:22

Tgt Ion: 50 Resp: 650

Ion Ratio Lower Upper

50 100

52 15.2 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

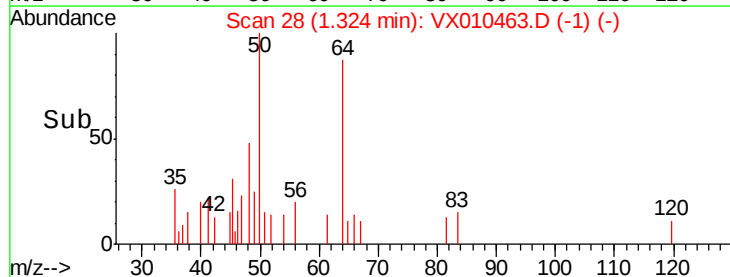
300

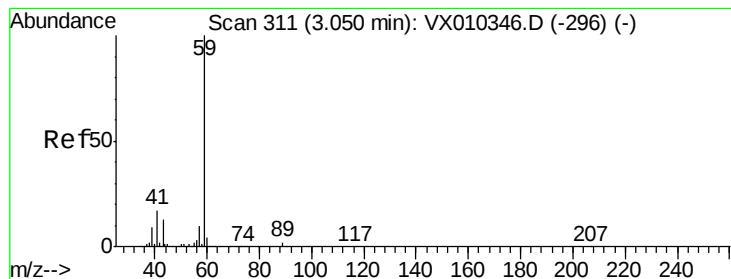
200

100

0

Time--> 1.30 1.32 1.34 1.36



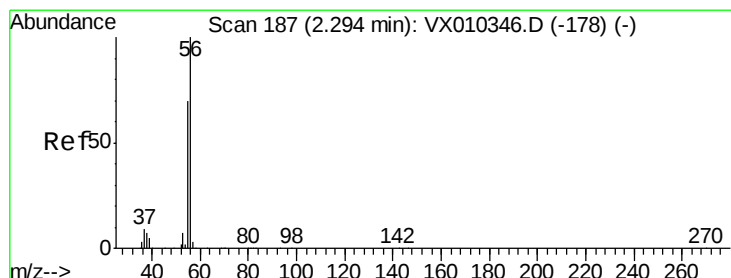
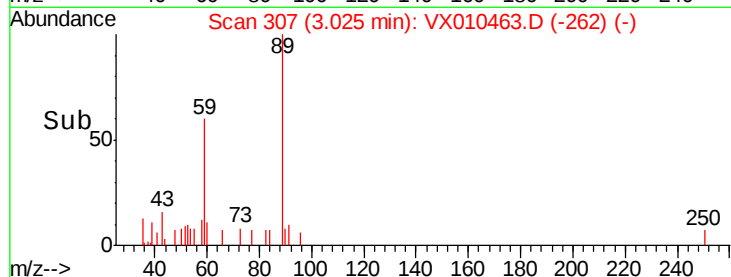
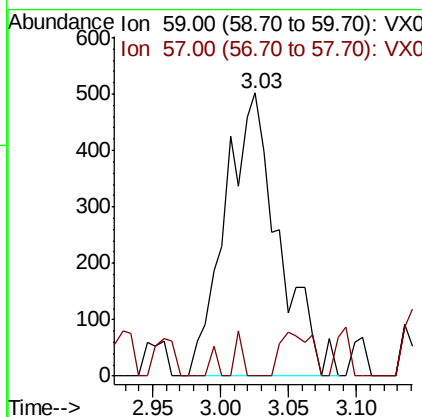
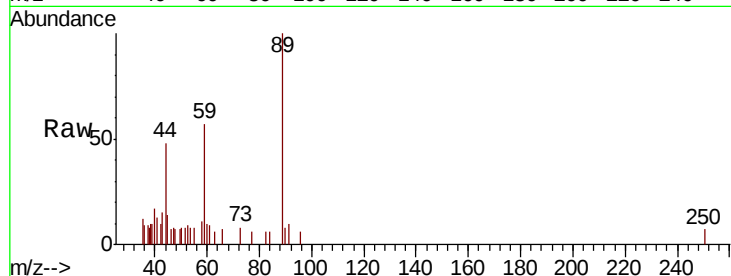


#11

Tert butyl alcohol
 Concen: 2.188 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010463.D
 Acq: 26 Jun 2019 15:22

Instrument :
 MSVOA_X
 ClientSampled :

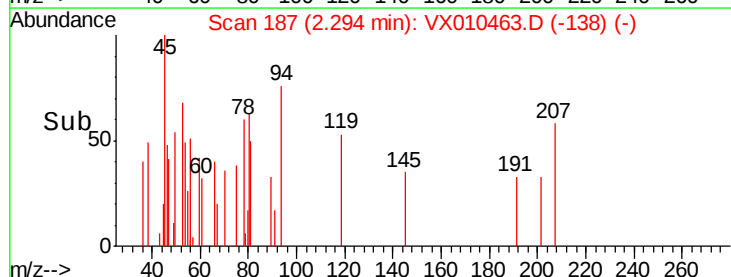
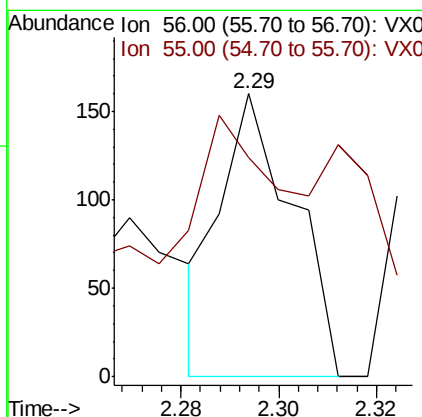
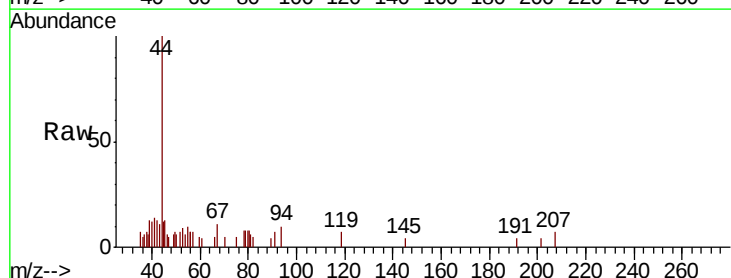
Tot Ion: 59 Resp: 1379
 Ion Ratio Lower Upper
 59 100
 57 2.1 7.7 11.5#

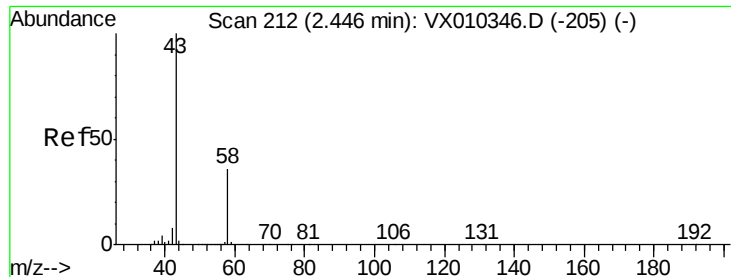


#13

Acrolein
 Concen: 0.390 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010463.D
 Acq: 26 Jun 2019 15:22

Tgt Ion: 56 Resp: 163
 Ion Ratio Lower Upper
 56 100
 55 54.6 56.9 85.3#





#16

Acetone

Concen: 2.193 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010463.D

Acq: 26 Jun 2019 15:22

Instrument :

MSVOA_X

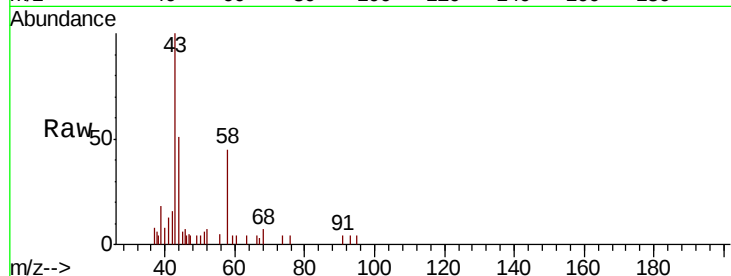
ClientSampleId :

Tot Ion: 43 Resp: 2648

Ion Ratio Lower Upper

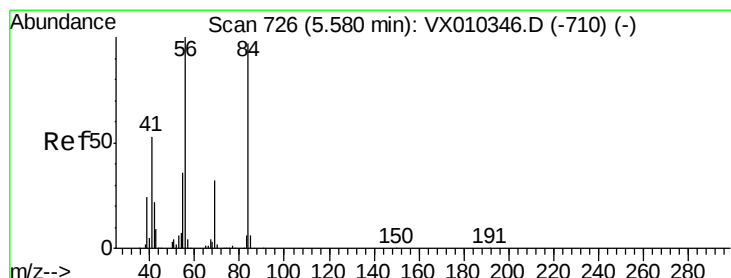
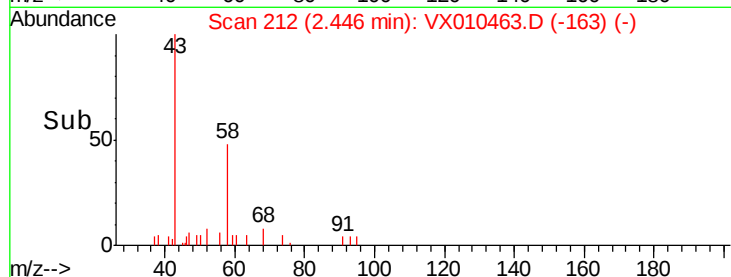
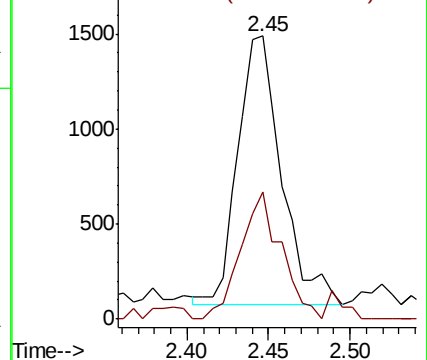
43 100

58 47.2 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 1.329 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010463.D

Acq: 26 Jun 2019 15:22

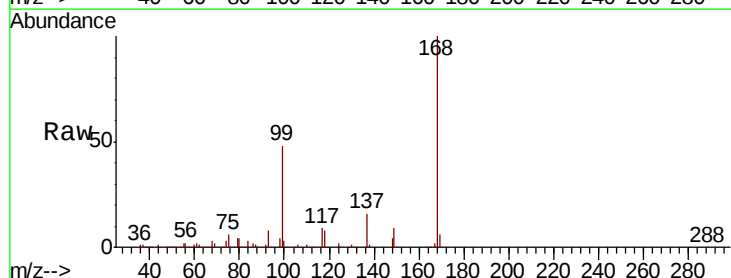
Tgt Ion: 56 Resp: 4626

Ion Ratio Lower Upper

56 100

69 147.2 25.9 38.9#

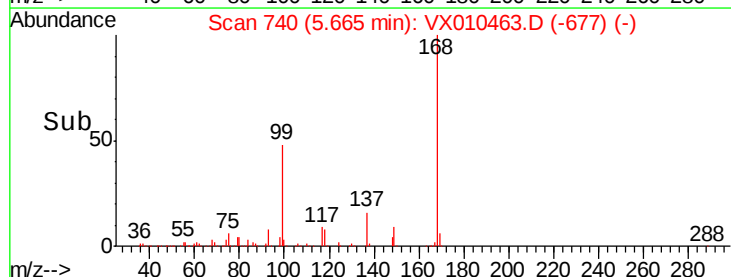
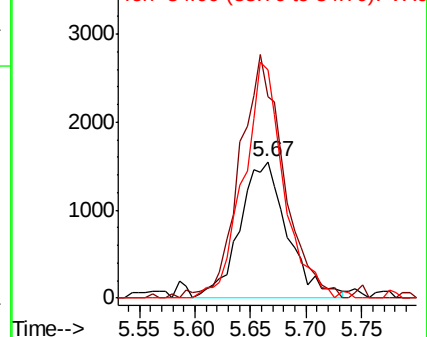
84 166.7 78.0 117.0#

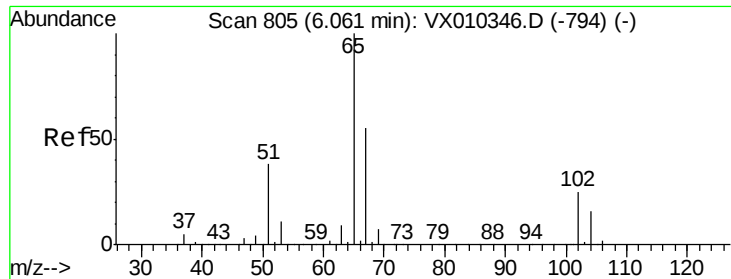


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

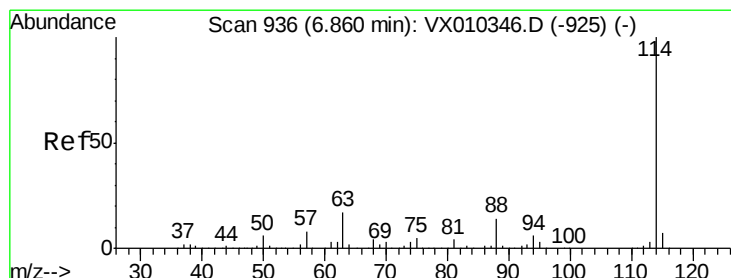
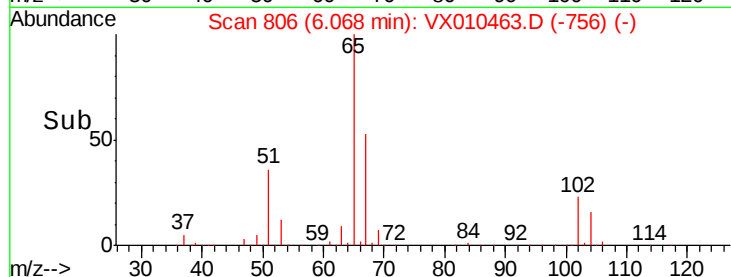
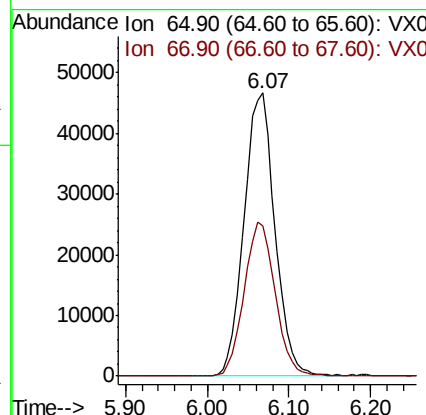
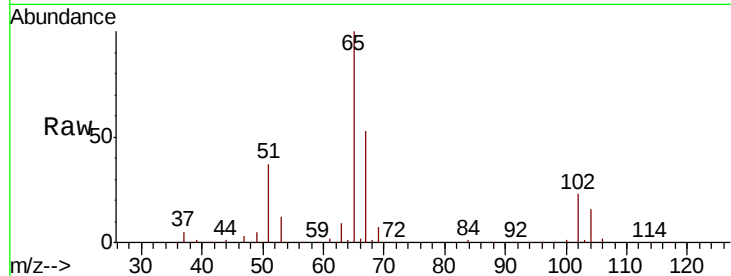




#33
 1,2-Dichloroethane-d4
 Concen: 50.989 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010463.D
 Acq: 26 Jun 2019 15:22

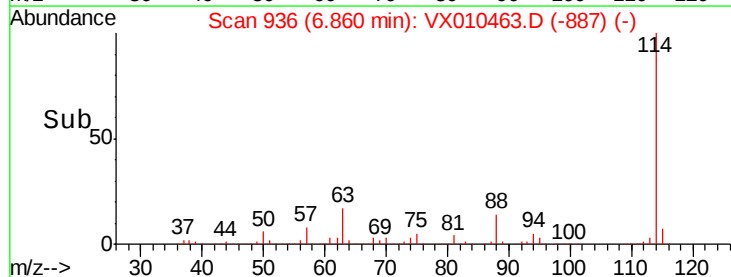
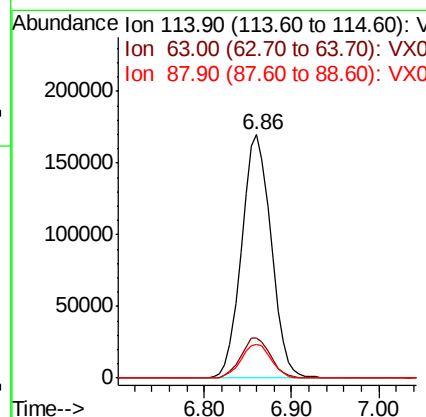
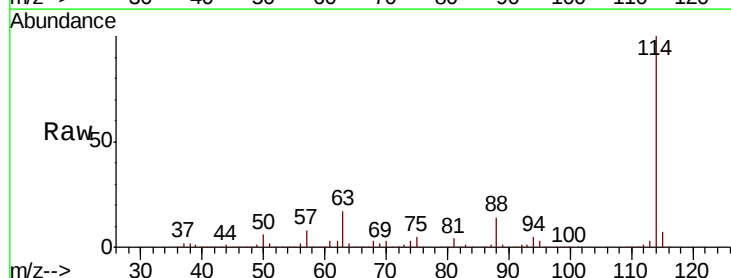
Instrument :
 MSVOA_X
 ClientSampleId :

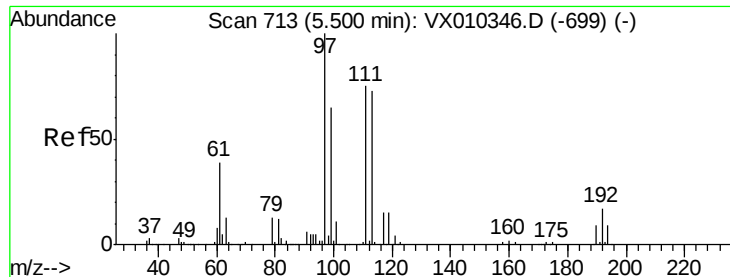
Tot Ion: 65 Resp: 122827
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010463.D
 Acq: 26 Jun 2019 15:22

Tgt Ion: 114 Resp: 399383
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 33.8
 88 14.0 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.436 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010463.D

Acq: 26 Jun 2019 15:22

Instrument :

MSVOA_X

ClientSampled :

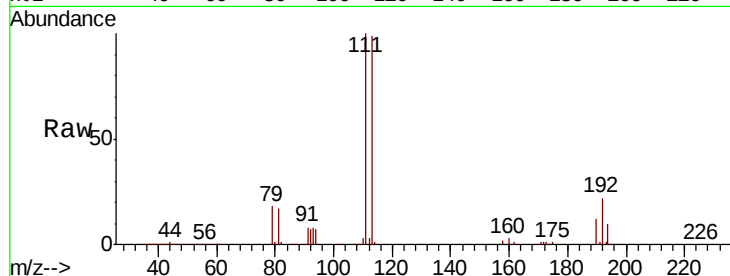
Tot Ion:113 Resp: 120800

Ion Ratio Lower Upper

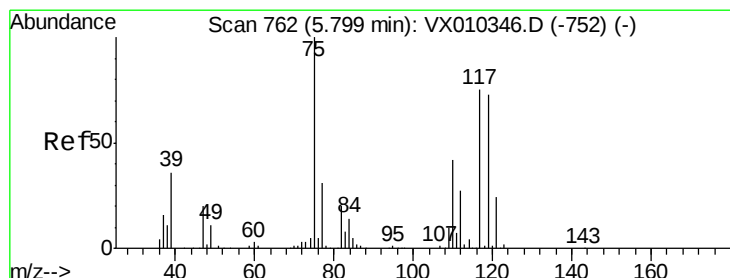
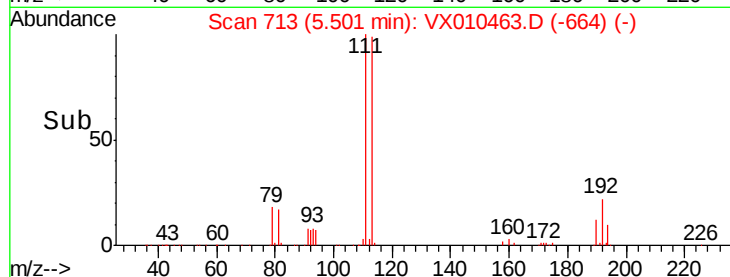
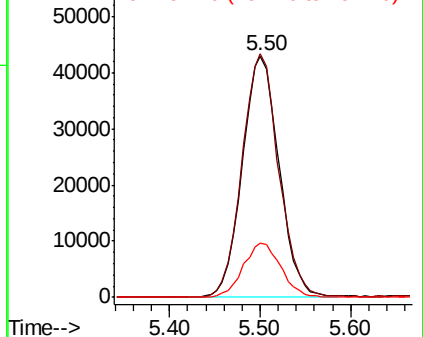
113 100

111 101.1 81.2 121.8

192 23.0 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: 5.184 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010463.D

Acq: 26 Jun 2019 15:22

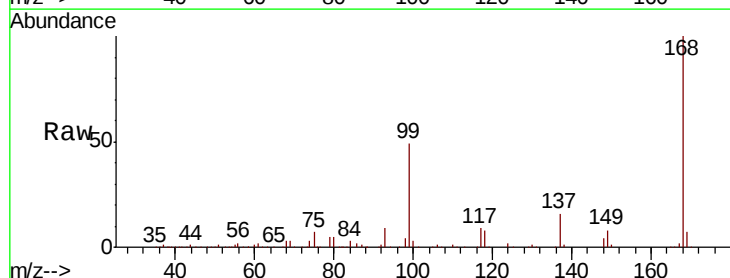
Tgt Ion: 75 Resp: 16453

Ion Ratio Lower Upper

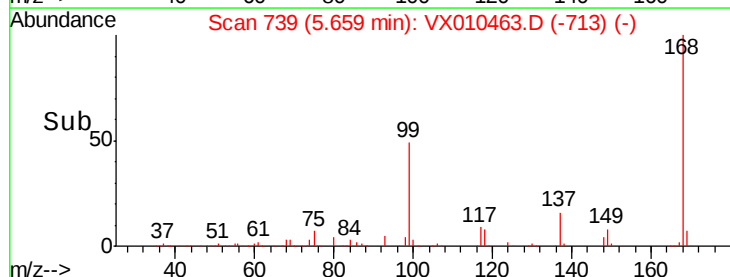
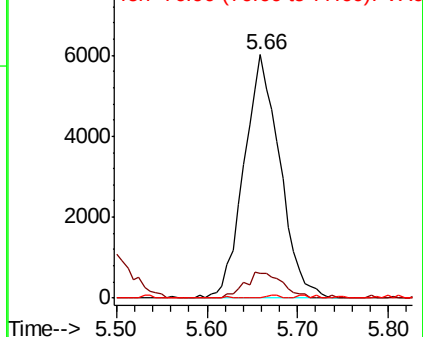
75 100

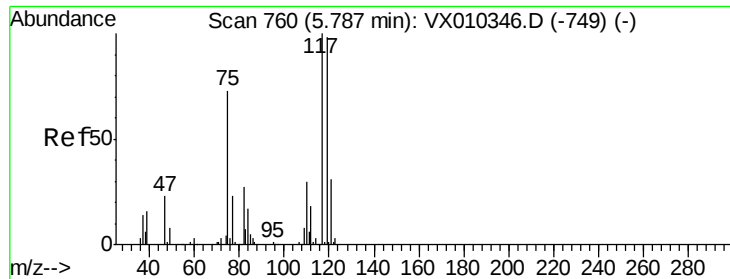
110 11.1 20.8 62.2#

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: 6.740 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010463.D

Acq: 26 Jun 2019 15:22

Instrument :

MSVOA_X

ClientSampled :

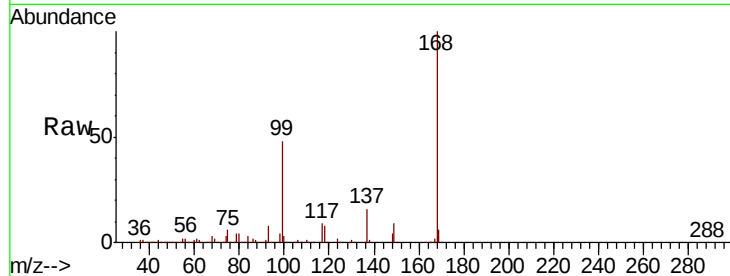
Tot Ion:117 Resp: 23162

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.4#

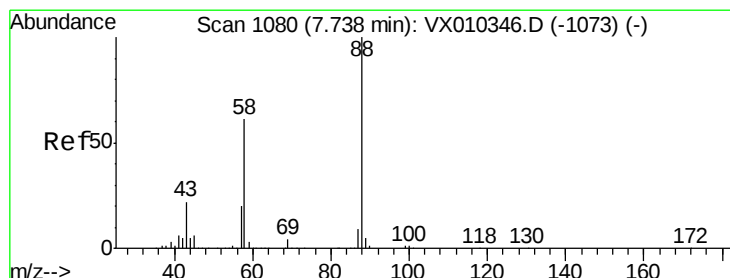
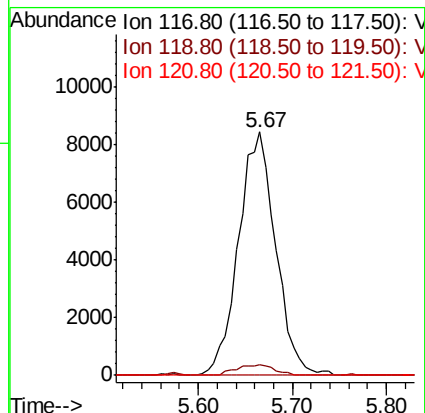
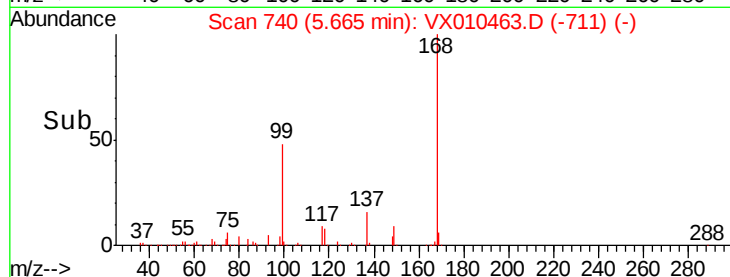
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.277 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX010463.D

Acq: 26 Jun 2019 15:22

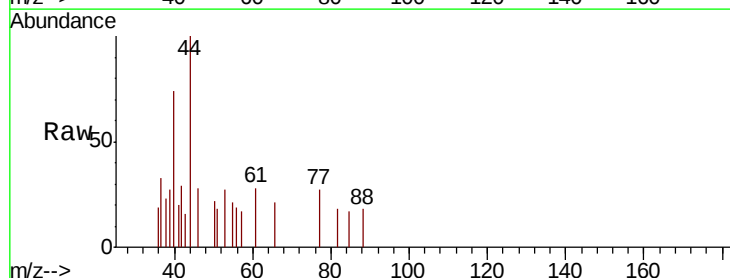
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

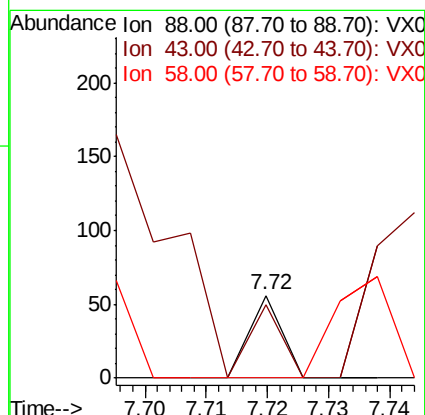
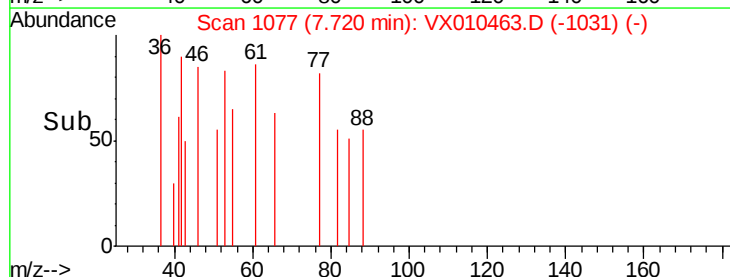
58 0.0 49.5 74.3#

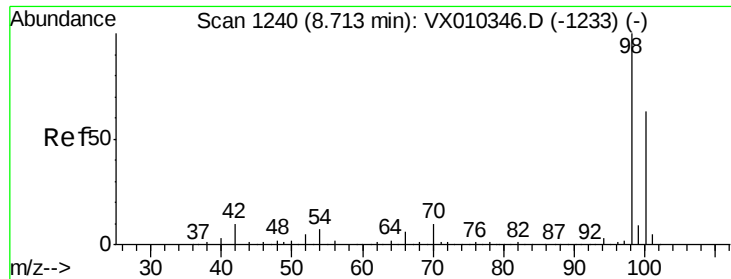


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

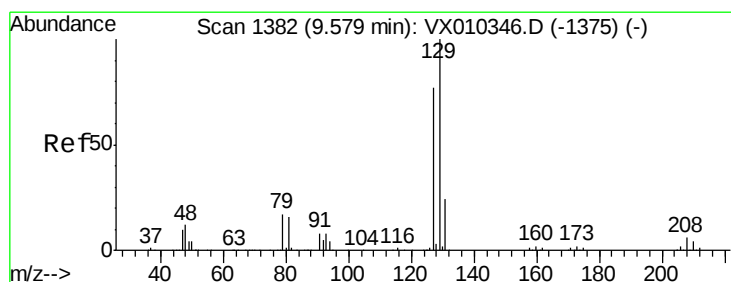
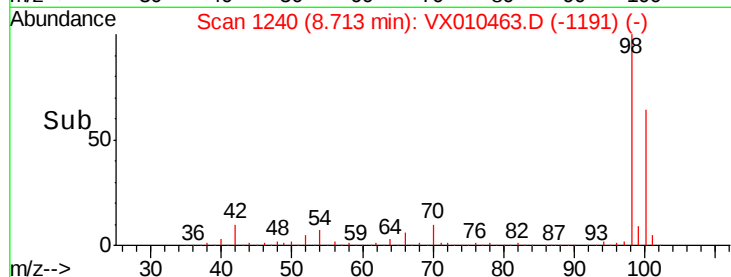
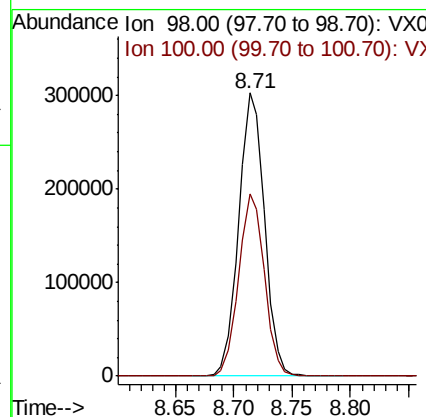
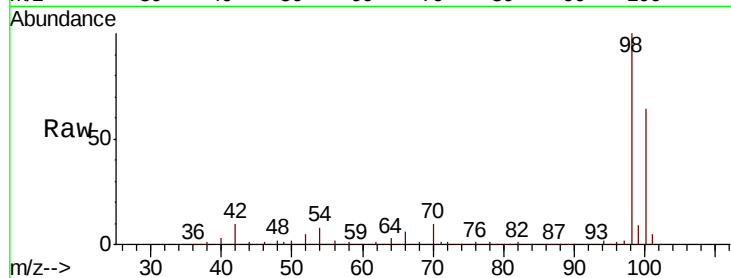




#50
Toluene-d8
Concen: 50.138 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010463.D
Acq: 26 Jun 2019 15:22

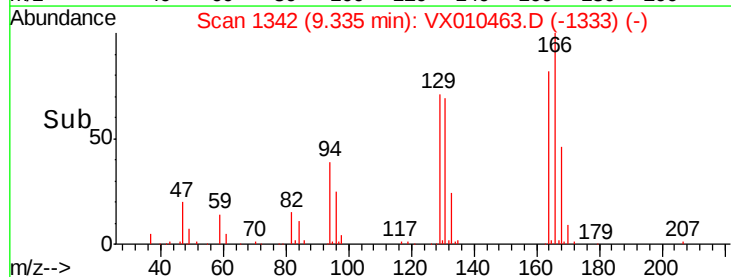
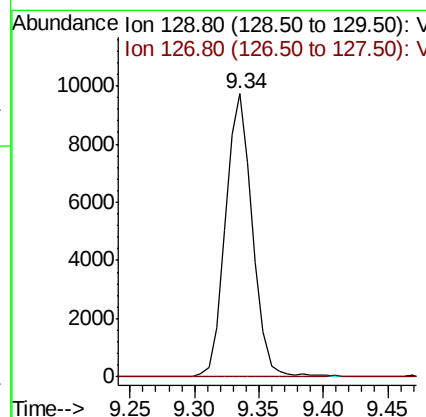
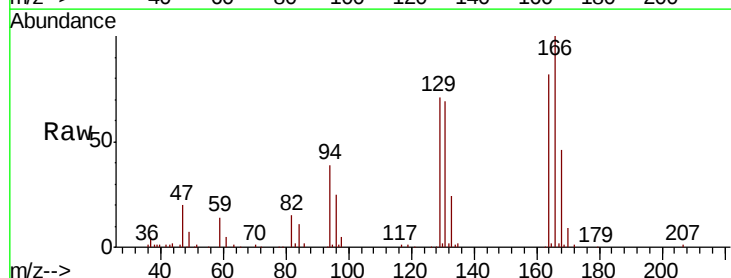
Instrument :
MSVOA_X
ClientSampleId :

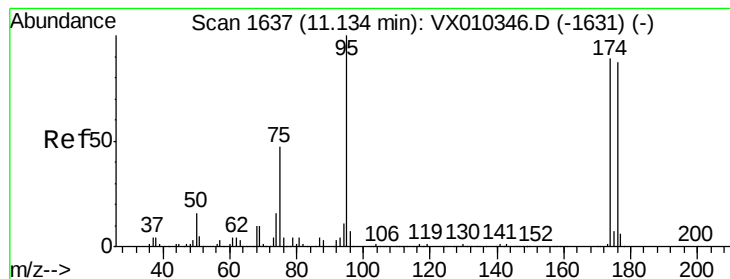
Tot Ion: 98 Resp: 468723
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#60
Dibromochloromethane
Concen: 4.762 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010463.D
Acq: 26 Jun 2019 15:22

Tgt Ion: 129 Resp: 14317
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 45.126 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010463.D

Acq: 26 Jun 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

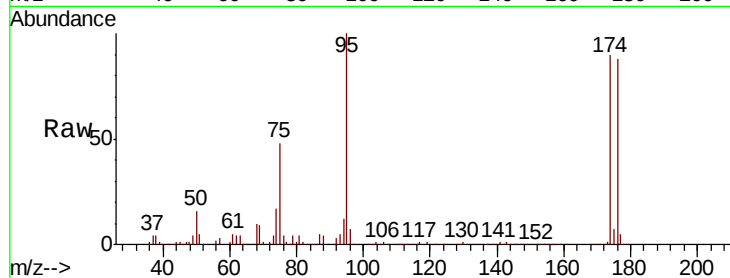
Tot Ion: 95 Resp: 152305

Ion Ratio Lower Upper

95 100

174 96.3 0.0 187.6

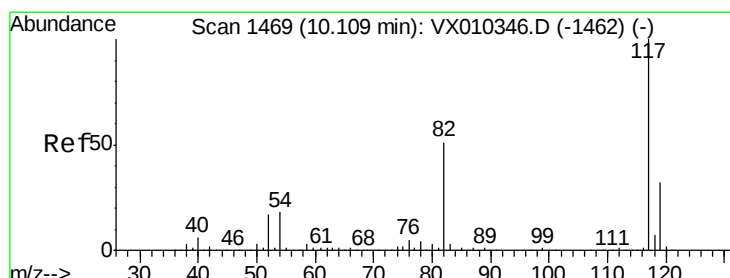
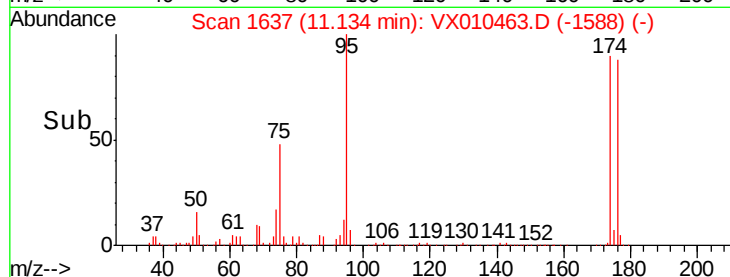
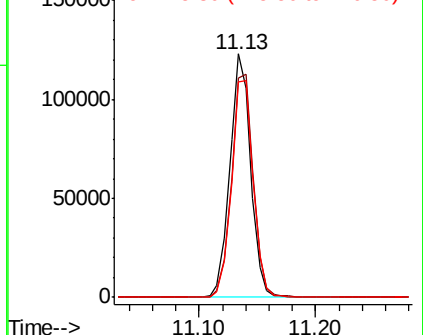
176 93.6 0.0 184.0



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: VX010463.D

Acq: 26 Jun 2019 15:22

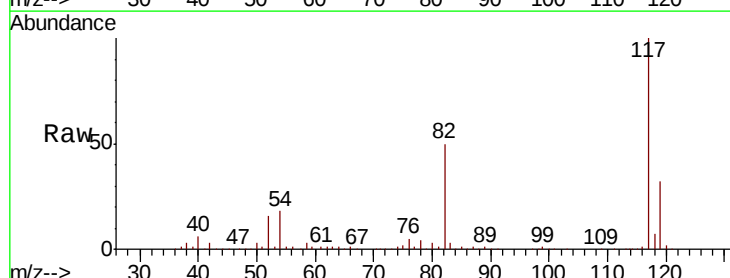
Tgt Ion: 117 Resp: 360817

Ion Ratio Lower Upper

117 100

82 50.4 41.2 61.8

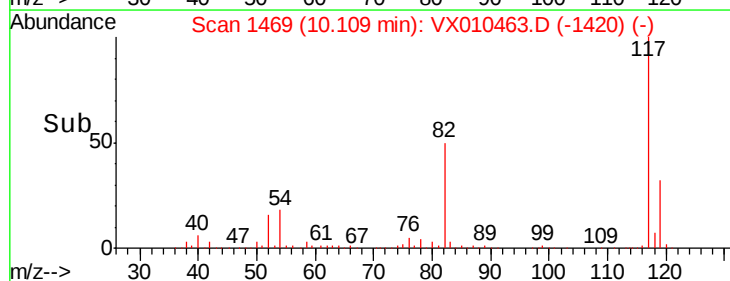
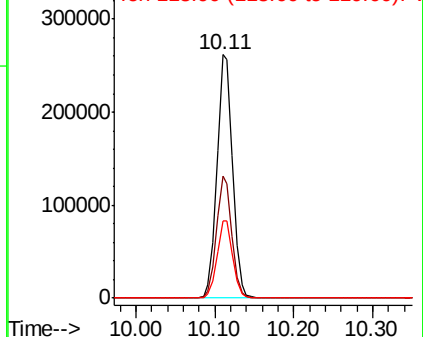
119 32.0 25.5 38.3

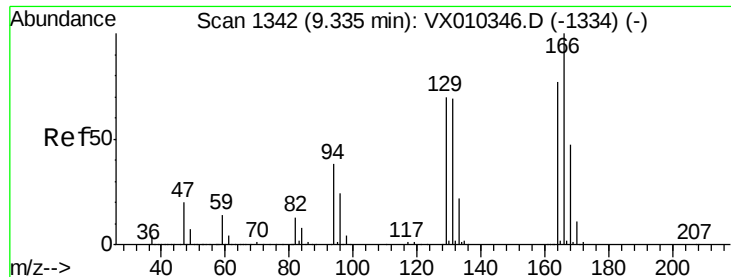


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

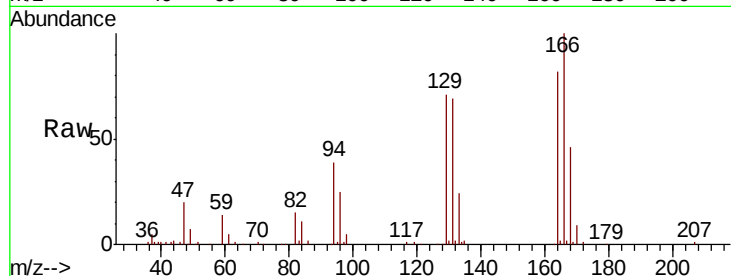




#64
Tetrachloroethene
Concen: 5.466 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010463.D
Acq: 26 Jun 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.1	103.6	155.4
129	86.9	73.0	109.4
131	84.9	71.0	106.4



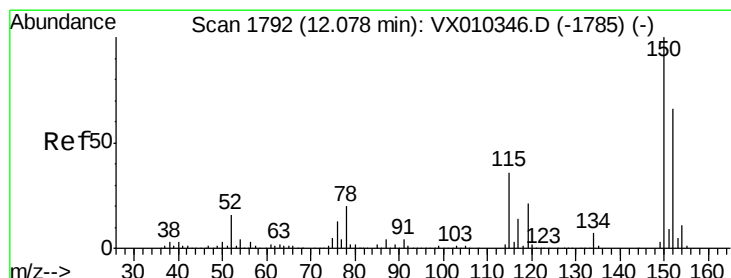
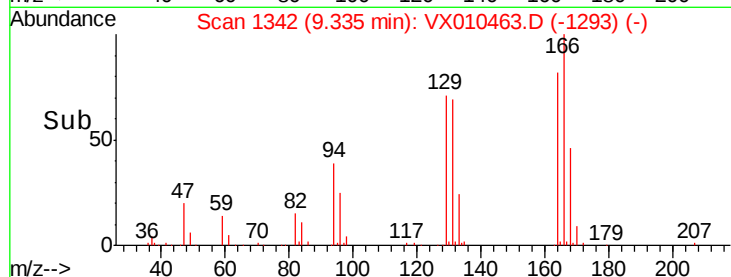
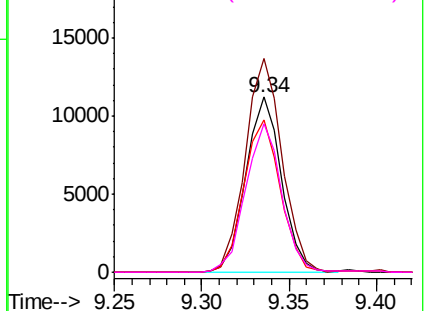
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

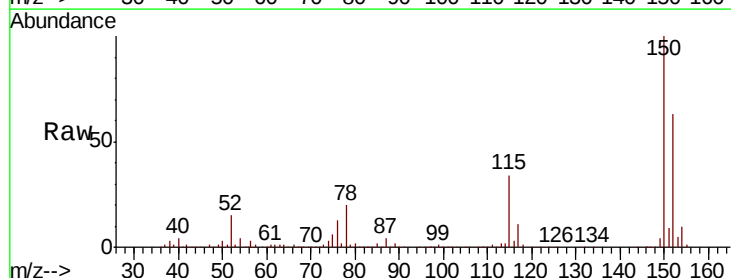
Ion 128.80 (128.50 to 129.50): V

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: VX010463.D
Acq: 26 Jun 2019 15:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	38.6	115.7
150	160.8	0.0	347.4

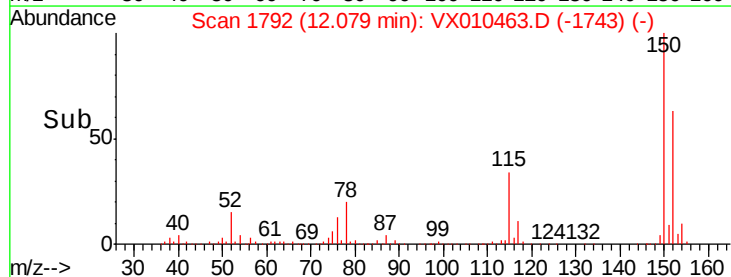
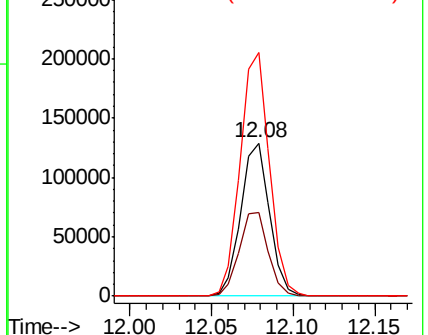


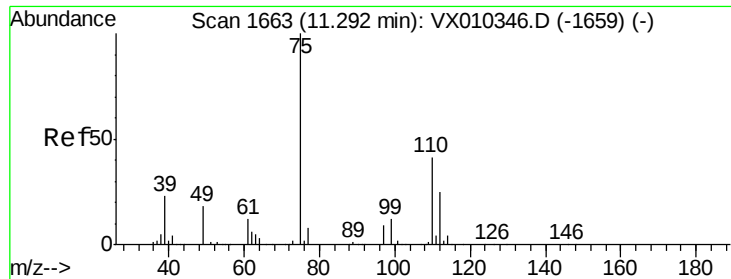
Abundance

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: 25.143 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010463.D

Acq: 26 Jun 2019 15:22

Instrument :

MSVOA_X

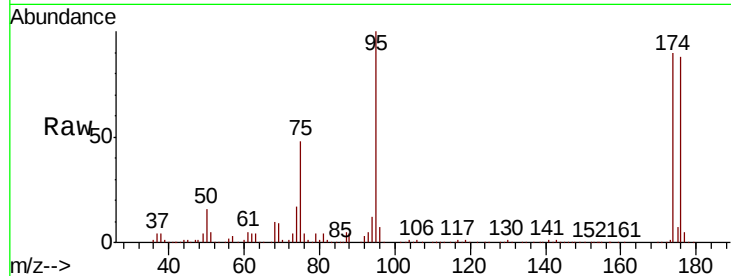
ClientSampleId :

Tot Ion: 75 Resp: 73078

Ion Ratio Lower Upper

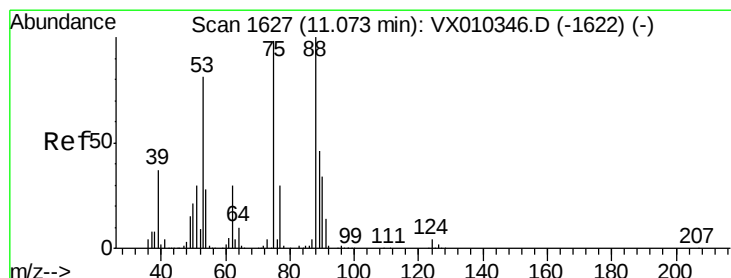
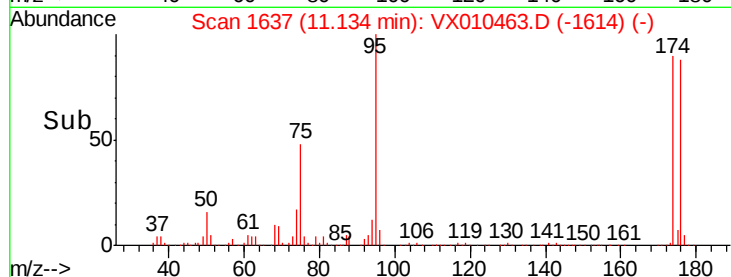
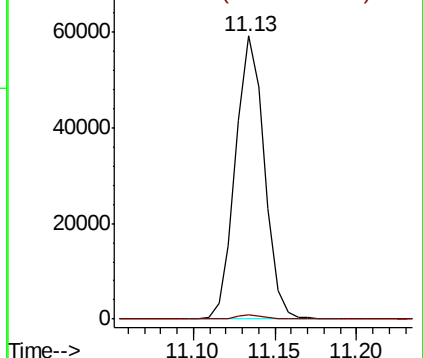
75 100

77 1.3 22.6 67.8#



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: 58.655 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010463.D

Acq: 26 Jun 2019 15:22

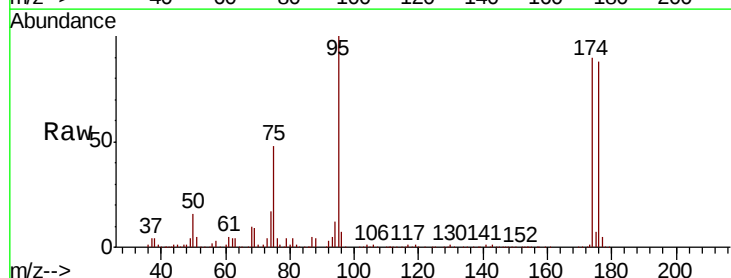
Tgt Ion: 75 Resp: 73078

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#



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

