

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012766.D
 Acq On : 02 Oct 2019 18:00
 Operator : JC/SP
 Sample : K5159-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

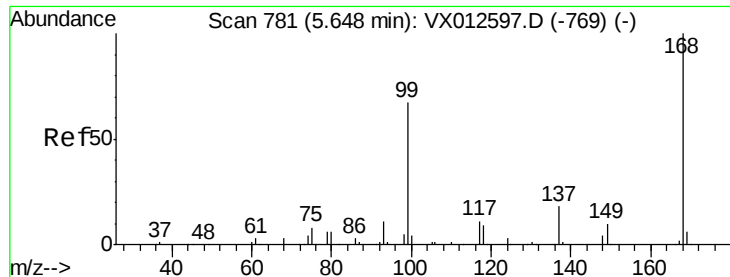
Quant Time: Oct 03 01:33:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	303568	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101791	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	122722	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	5.49	113	92052	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	8.71	98	358470	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.13	95	122448	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	588	0.669	ug/l #	66
6) Chloroethane	1.62	64	880	0.584	ug/l #	45
11) Tert butyl alcohol	3.01	59	3091	4.881	ug/l #	74
13) Acrolein	2.26	56	48	10.363	ug/l #	17
16) Acetone	2.44	43	754	0.561	ug/l	94
20) Methylene Chloride	2.84	84	459	0.202	ug/l #	80
31) Cyclohexane	5.65	56	3881	1.100	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14539	4.969	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19275	6.485	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	62794	23.321	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	62794	66.832	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.64	180	816	0.396	ug/l	98
95) Naphthalene	13.83	128	1912	0.256	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.01	180	683	0.331	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

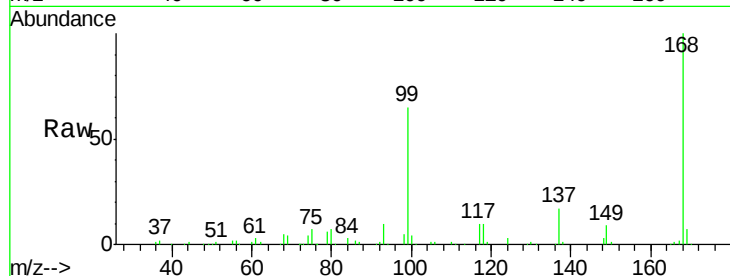
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 174103

Ion Ratio Lower Upper

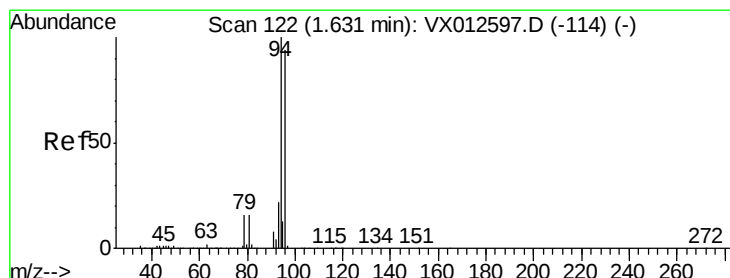
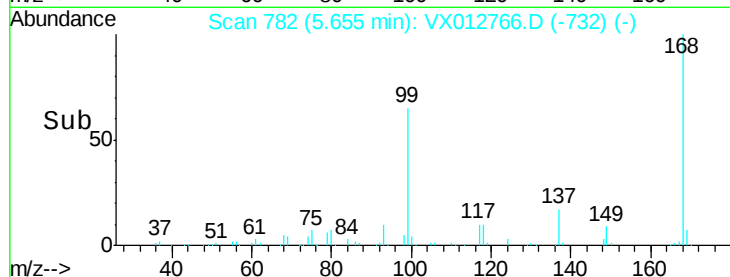
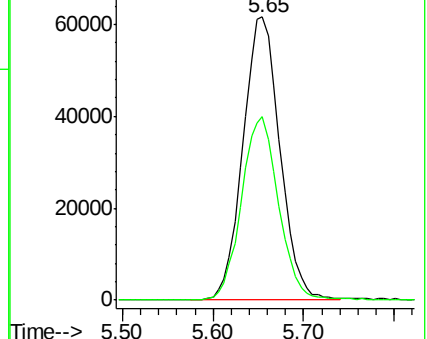
168 100

99 64.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.669 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012766.D

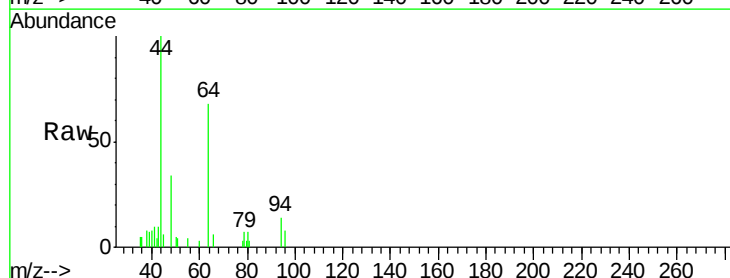
Acq: 02 Oct 2019 18:00

Tgt Ion: 94 Resp: 588

Ion Ratio Lower Upper

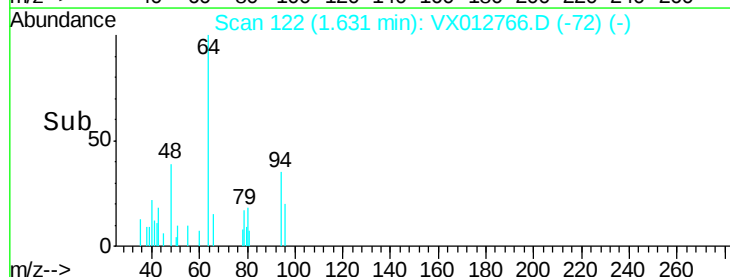
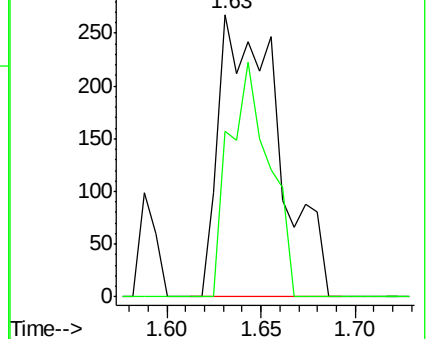
94 100

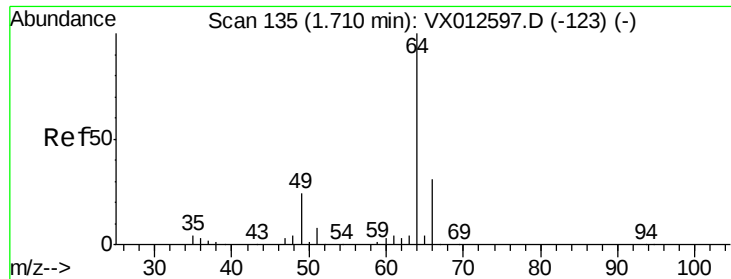
96 58.6 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.584 ug/l

RT: 1.62 min Scan# 120

Delta R.T. -0.09 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

Instrument :

MSVOA_X

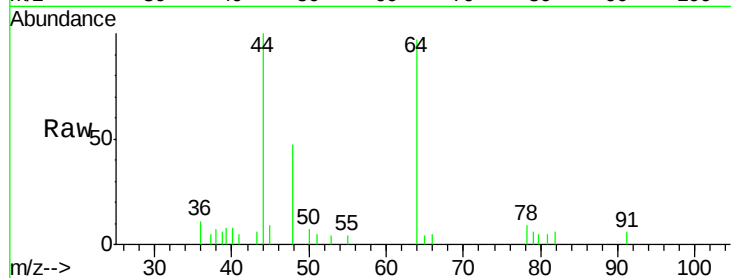
ClientSampleId :

Tot Ion: 64 Resp: 880

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.62

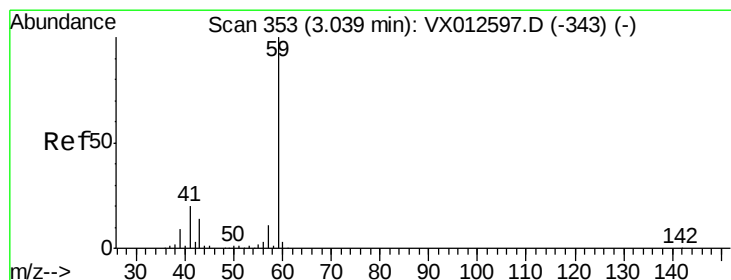
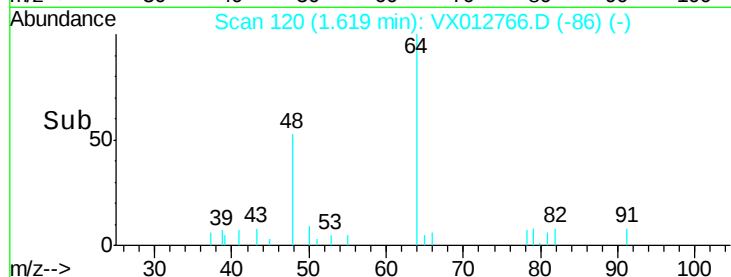
1500

1000

500

0

Time-->



#11

Tert butyl alcohol

Concen: 4.881 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX012766.D

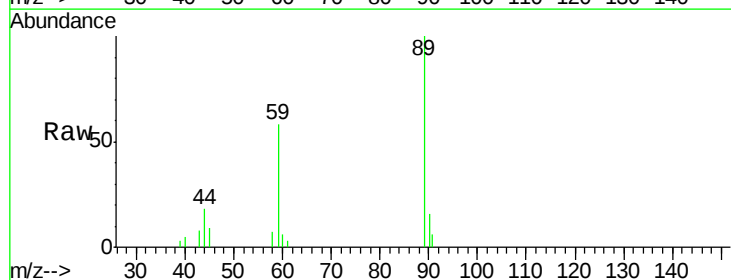
Acq: 02 Oct 2019 18:00

Tgt Ion: 59 Resp: 3091

Ion Ratio Lower Upper

59 100

57 0.6 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

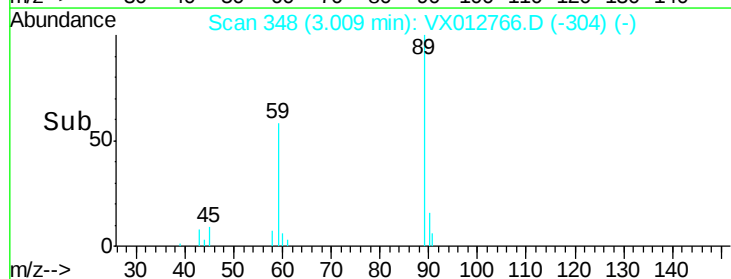
1500

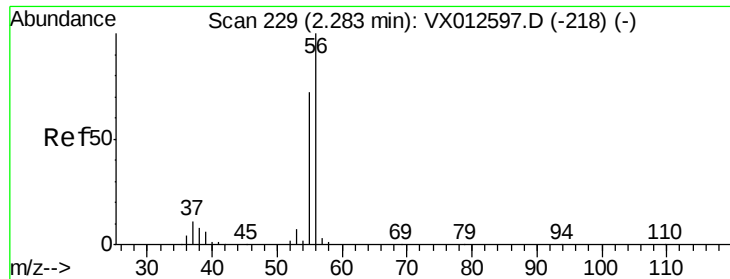
1000

500

0

Time-->





#13

Acrolein

Concen: 10.363 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

Instrument :

MSVOA_X

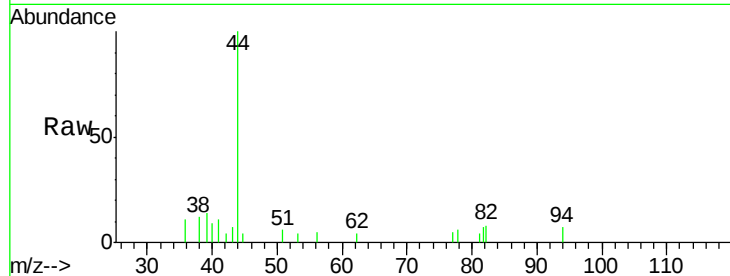
ClientSampled :

Tot Ion: 56 Resp: 48

Ion Ratio Lower Upper

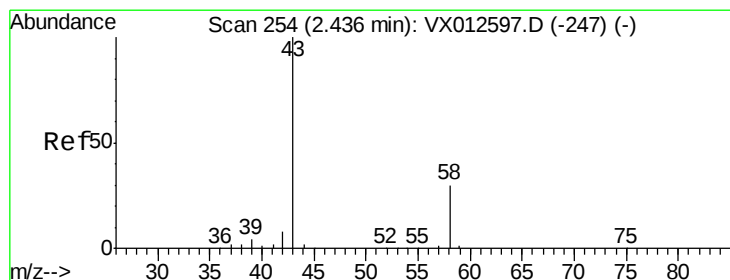
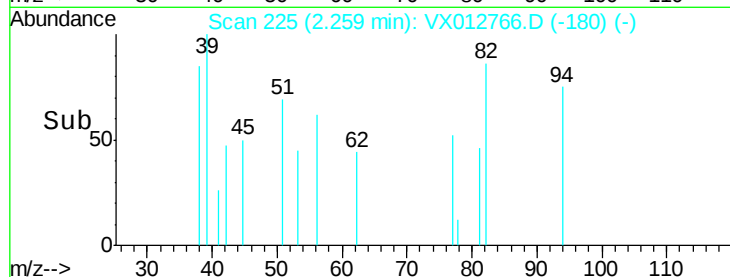
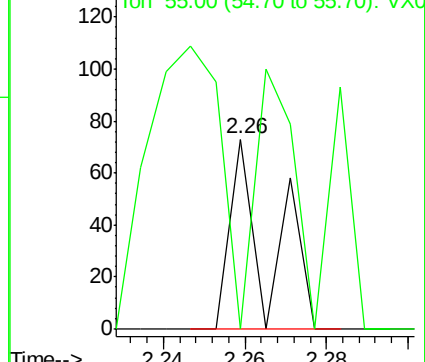
56 100

55 137.5 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.561 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012766.D

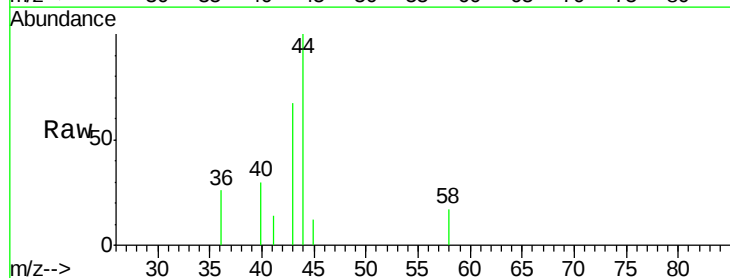
Acq: 02 Oct 2019 18:00

Tgt Ion: 43 Resp: 754

Ion Ratio Lower Upper

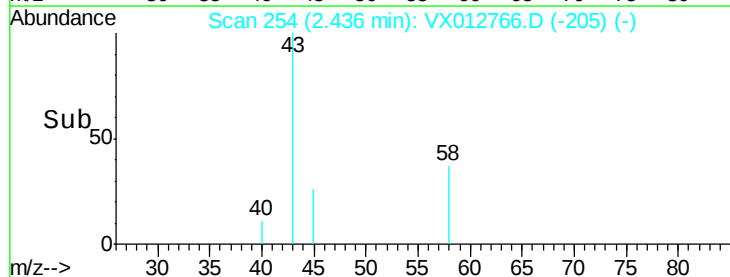
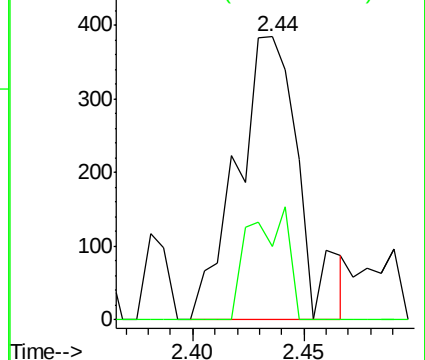
43 100

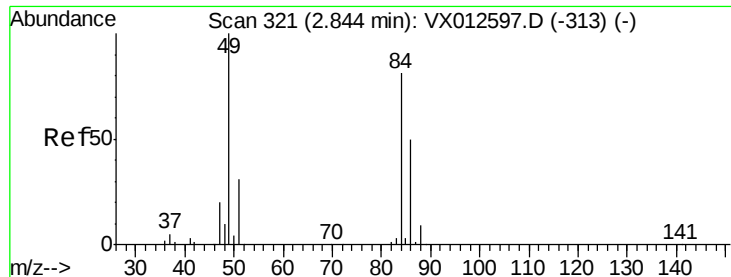
58 25.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

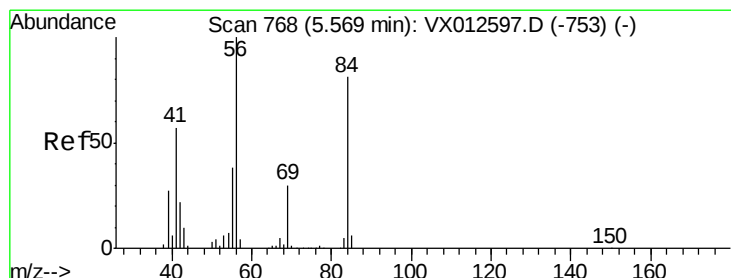
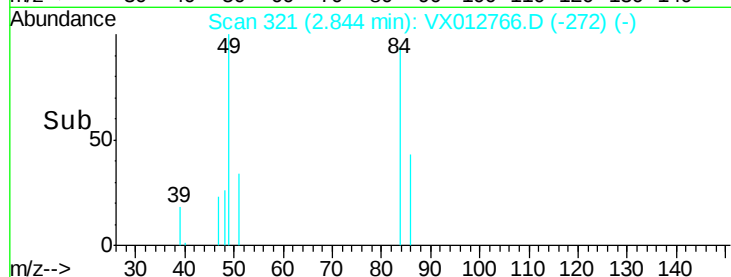
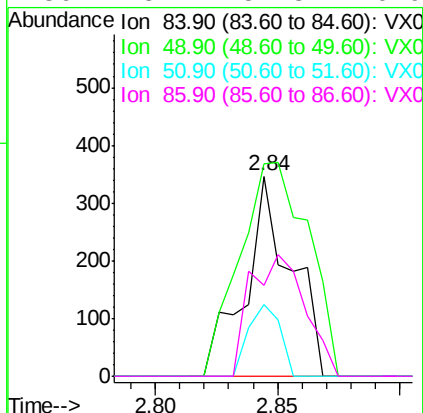
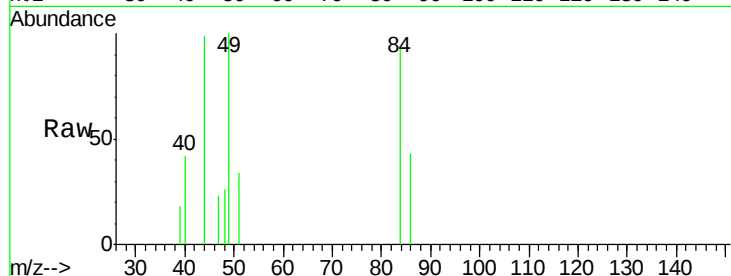




#20
Methvlene Chloride
Concen: 0.202 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012766.D
Acq: 02 Oct 2019 18:00

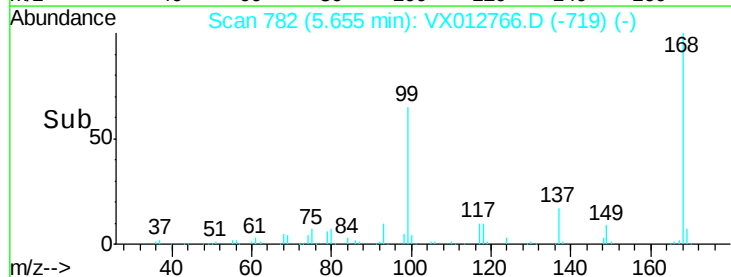
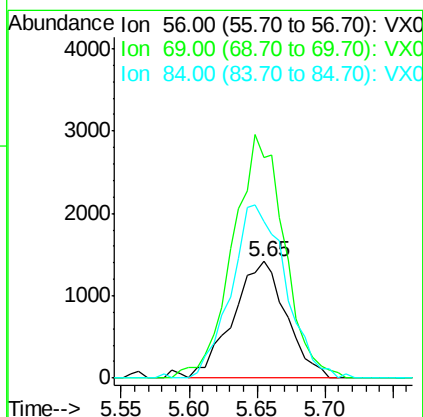
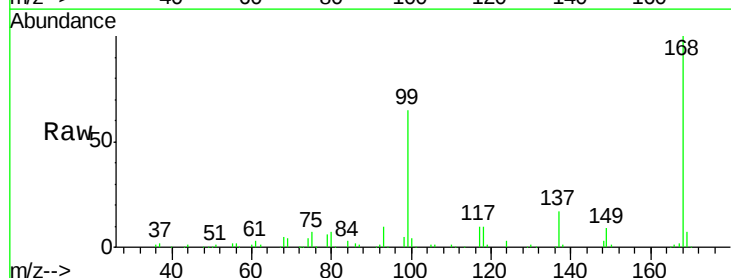
Instrument :
MSVOA_X
ClientSampled :

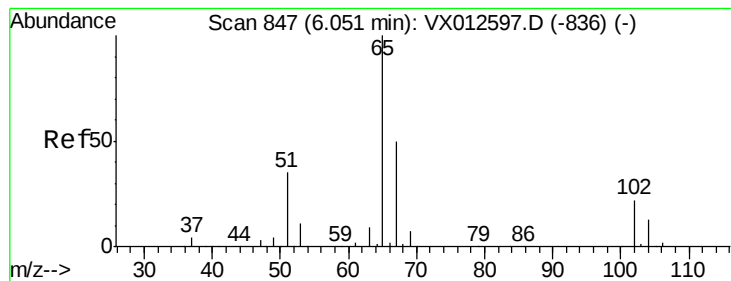
Tot Ion: 84 Resp: 459
Ion Ratio Lower Upper
84 100
49 106.4 106.8 160.2#
51 36.1 32.3 48.5
86 45.4 51.3 76.9#



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012766.D
Acq: 02 Oct 2019 18:00

Tgt Ion: 56 Resp: 3881
Ion Ratio Lower Upper
56 100
69 183.8 25.0 37.6#
84 134.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.406 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

Instrument :

MSVOA_X

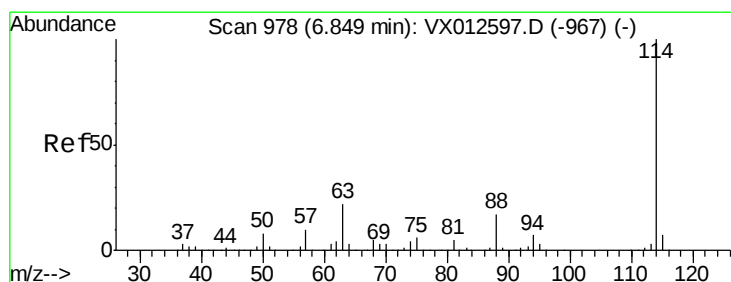
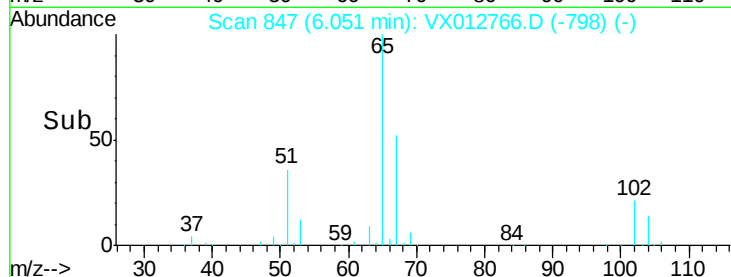
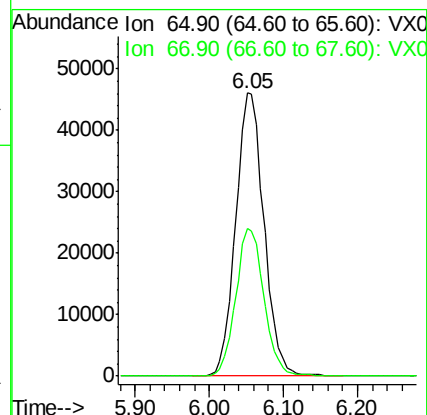
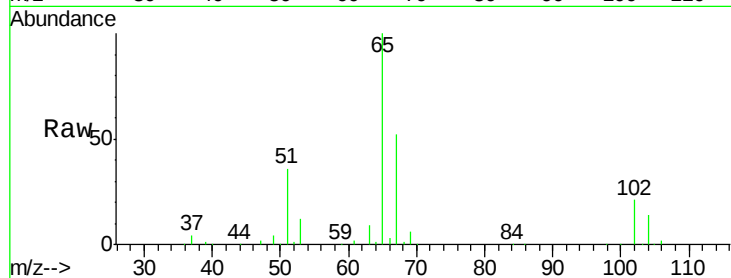
ClientSampled :

Tot Ion: 65 Resp: 122722

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

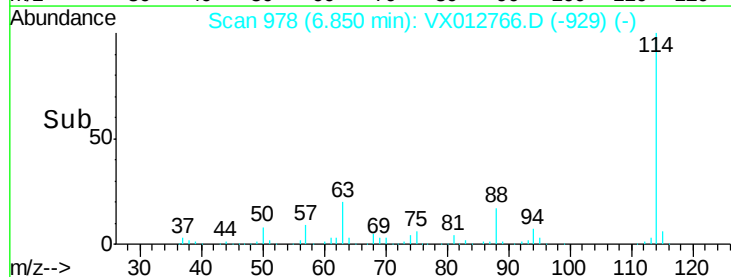
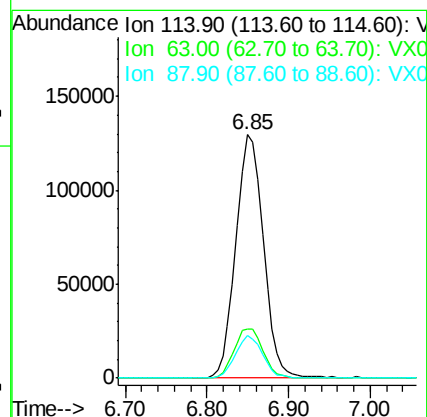
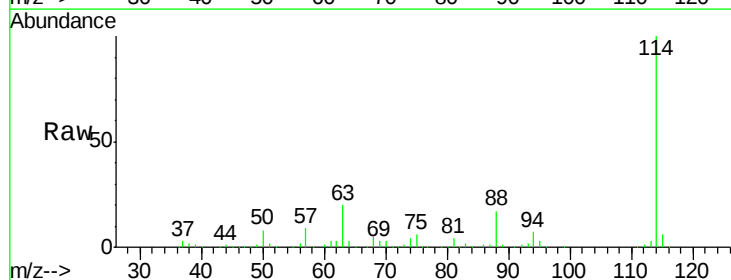
Tgt Ion: 114 Resp: 303568

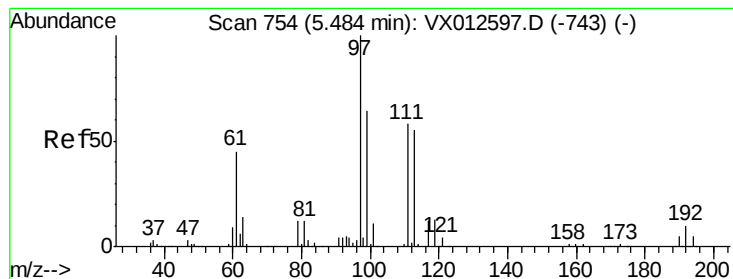
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 17.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.917 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

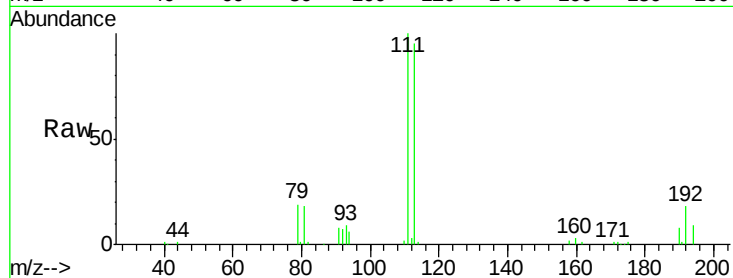
Tot Ion:113 Resp: 92052

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

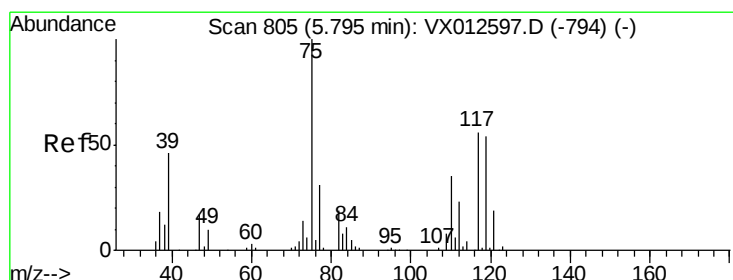
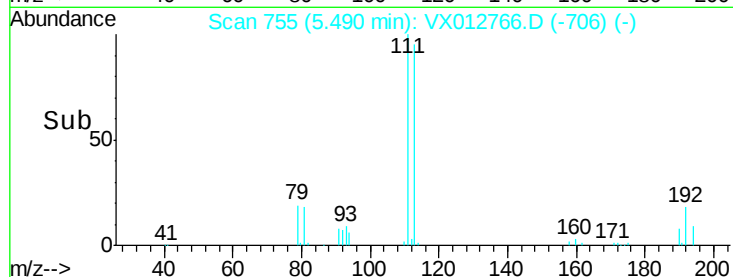
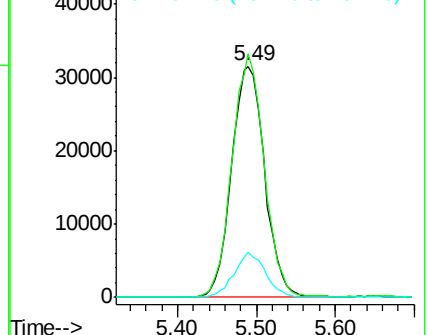
192 18.4 14.4 21.6



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: 4.969 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

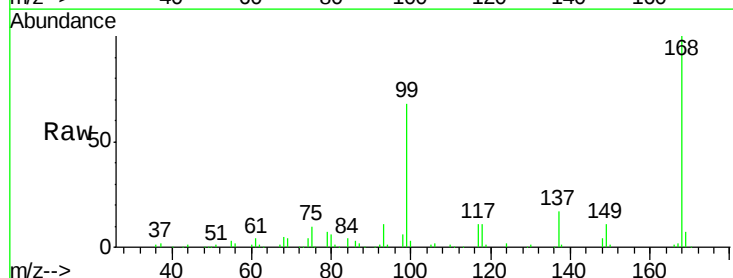
Tgt Ion: 75 Resp: 14539

Ion Ratio Lower Upper

75 100

110 8.8 16.7 50.0#

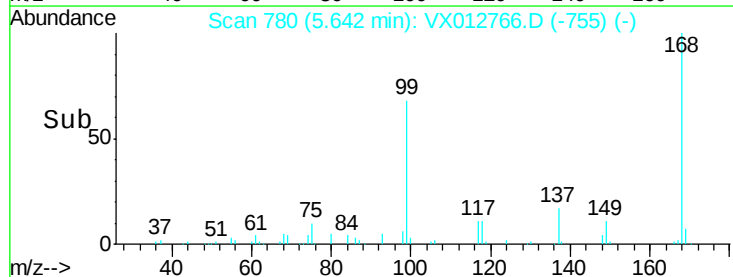
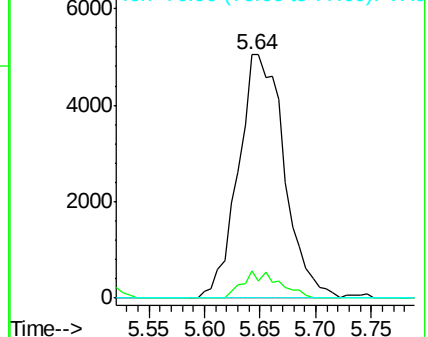
77 0.0 24.2 36.2#

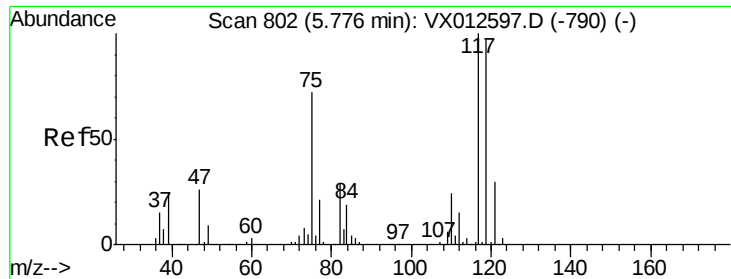


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

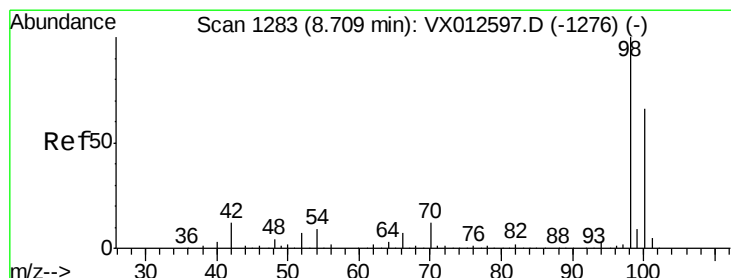
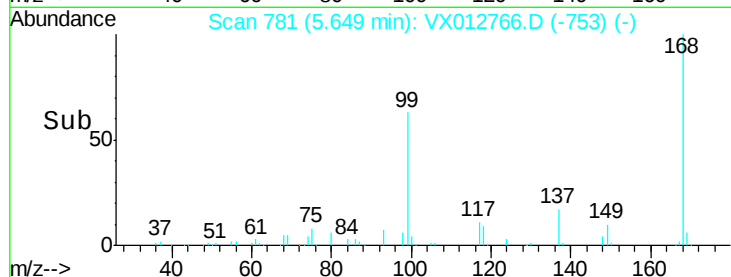
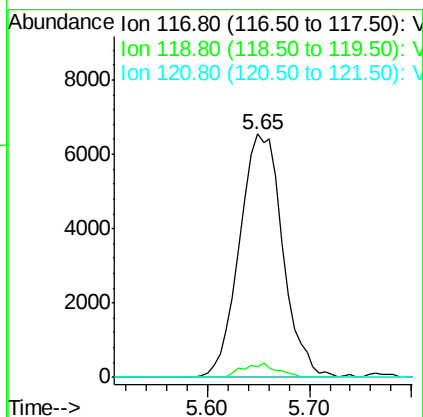
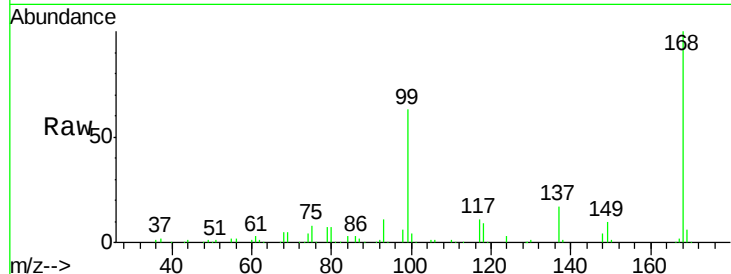




#38
Carbon Tetrachloride
Concen: 6.485 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012766.D
Acq: 02 Oct 2019 18:00

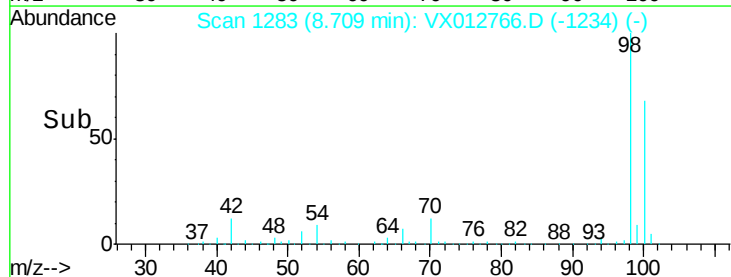
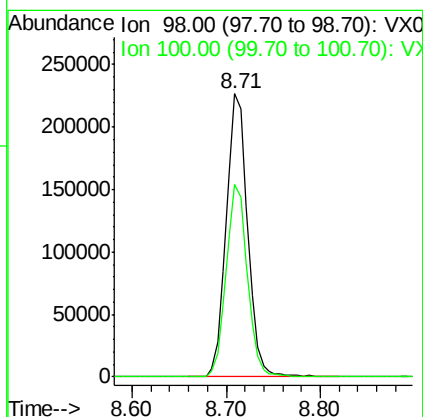
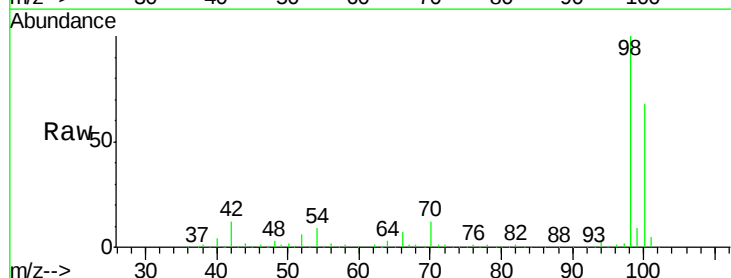
Instrument :
MSVOA_X
ClientSampleId :

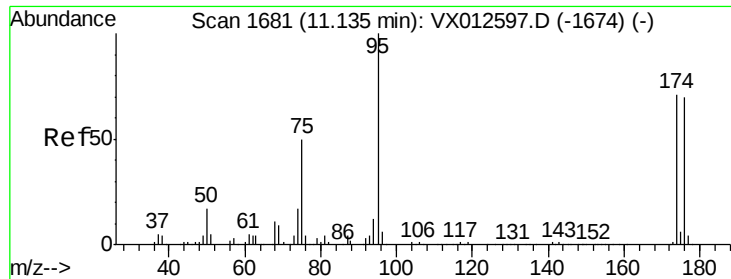
Tot Ion:117 Resp: 19275
Ion Ratio Lower Upper
117 100
119 4.6 75.7 113.5#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 51.488 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012766.D
Acq: 02 Oct 2019 18:00

Tgt Ion: 98 Resp: 358470
Ion Ratio Lower Upper
98 100
100 67.6 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 44.729 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

Instrument :

MSVOA_X

ClientSampled :

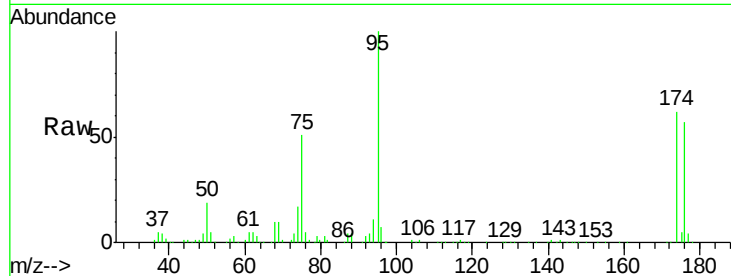
Tot Ion: 95 Resp: 122448

Ion Ratio Lower Upper

95 100

174 71.1 0.0 140.0

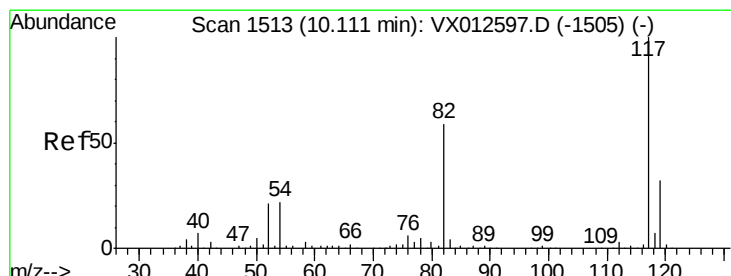
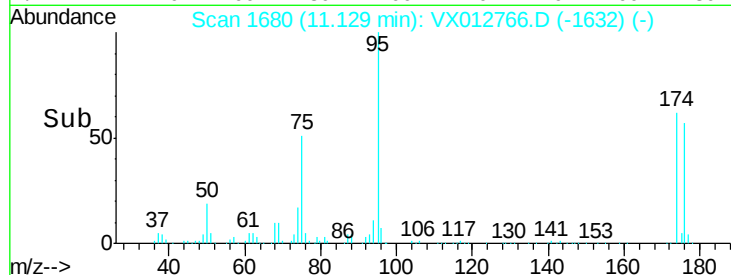
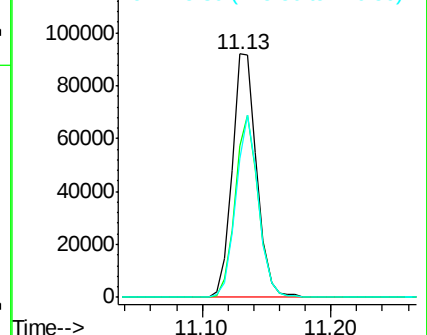
176 69.0 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012597.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012597.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012597.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

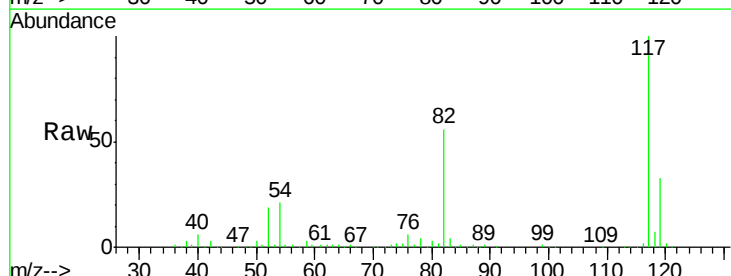
Tgt Ion: 117 Resp: 260120

Ion Ratio Lower Upper

117 100

82 55.7 45.9 68.9

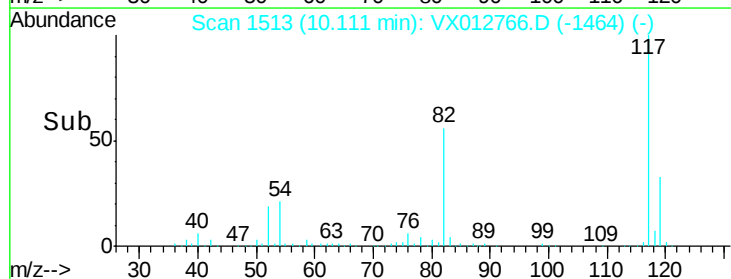
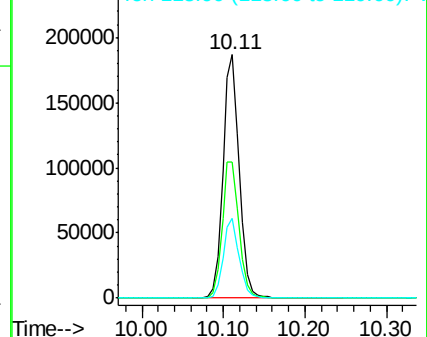
119 32.7 25.3 37.9

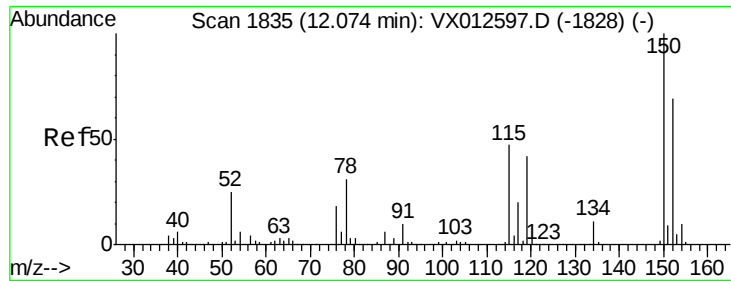


Abundance Ion 116.90 (116.60 to 117.60): VX012597.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012597.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012597.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

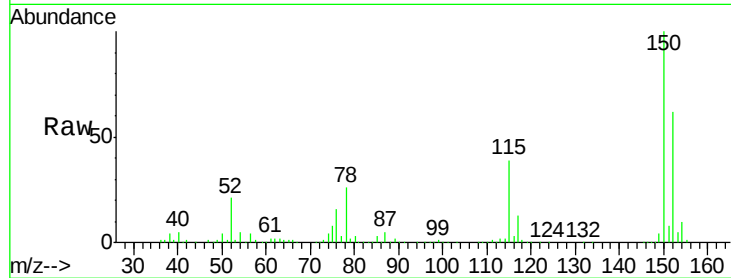
Tot Ion:152 Resp: 101791

Ion Ratio Lower Upper

152 100

115 64.6 44.1 132.3

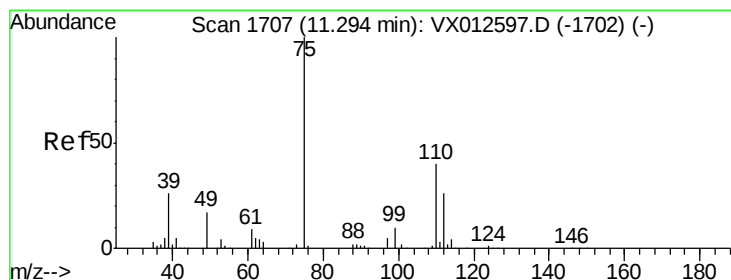
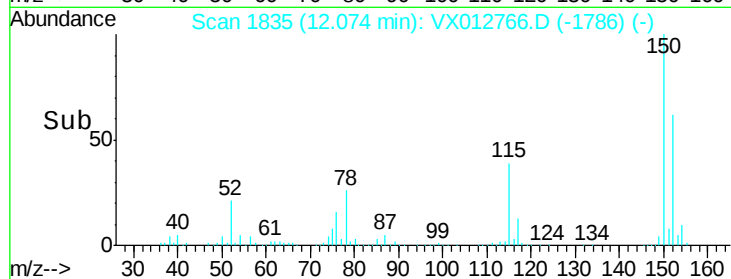
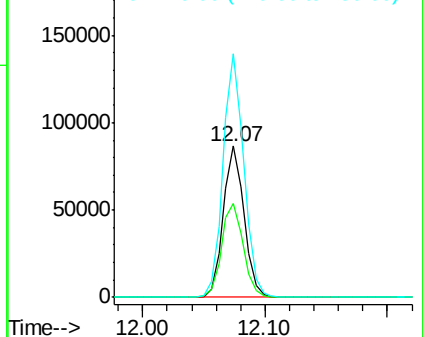
150 161.1 0.0 343.8



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: 23.321 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012766.D

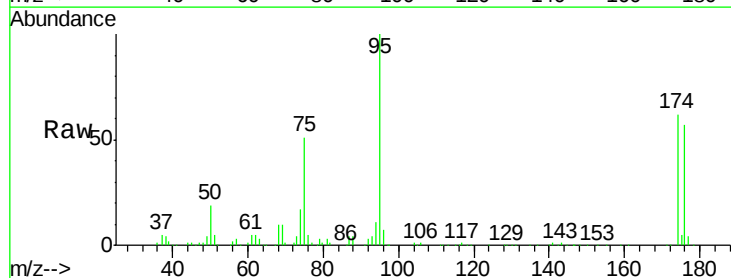
Acq: 02 Oct 2019 18:00

Tgt Ion: 75 Resp: 62794

Ion Ratio Lower Upper

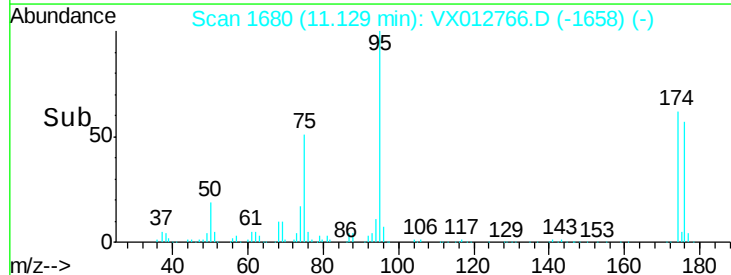
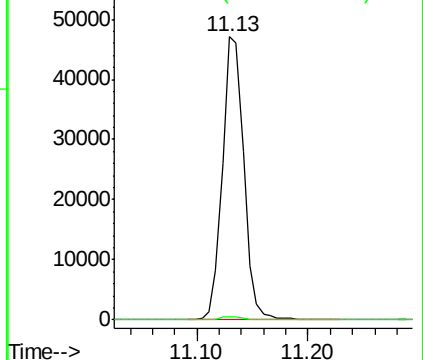
75 100

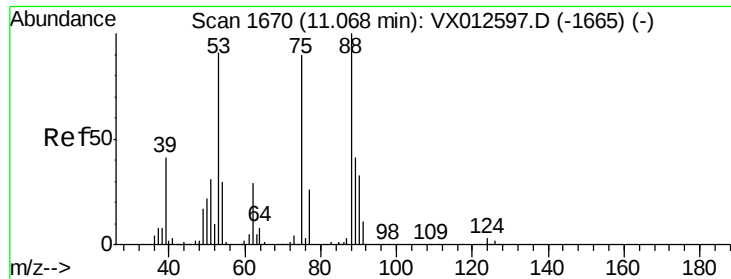
77 1.3 19.7 59.0#



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: 66.832 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

Instrument :

MSVOA_X

ClientSampled :

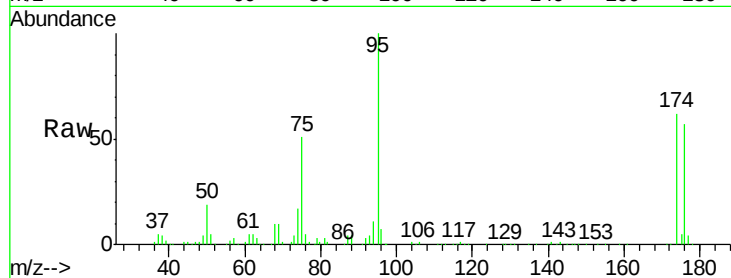
Tot Ion: 75 Resp: 62794

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

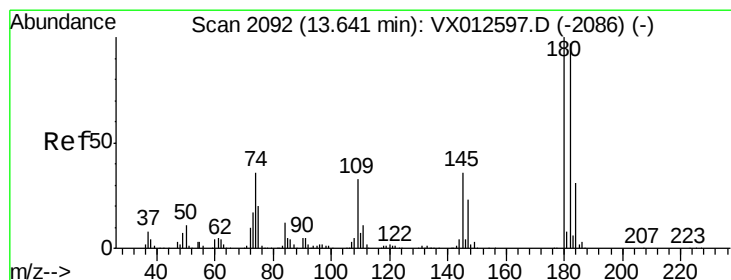
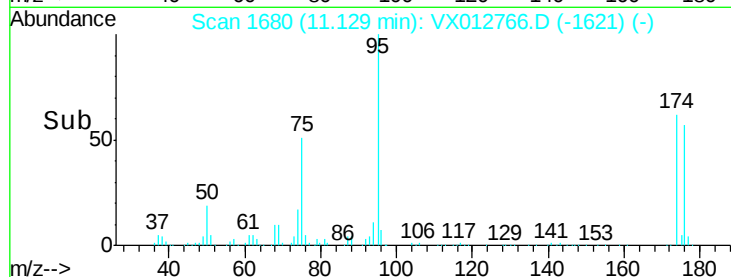
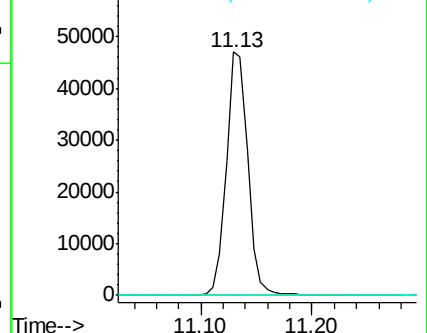
89 0.0 36.3 54.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.396 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

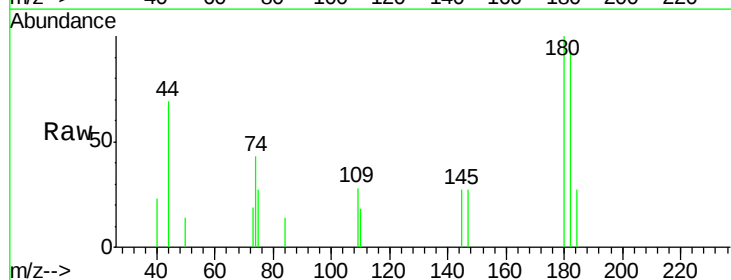
Tgt Ion:180 Resp: 816

Ion Ratio Lower Upper

180 100

182 95.5 47.0 141.0

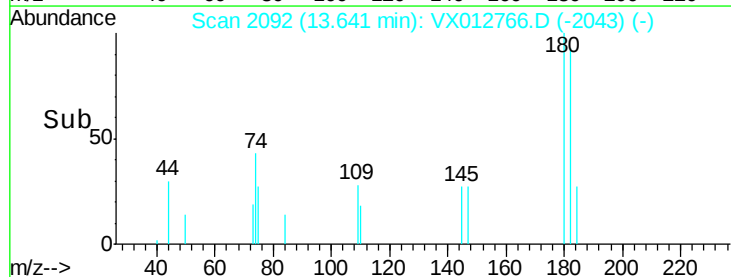
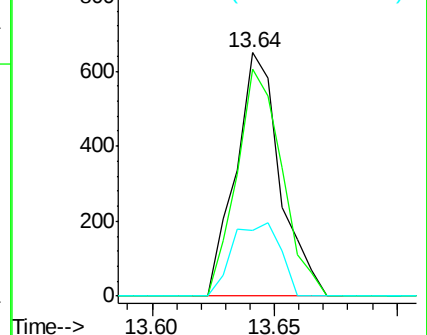
145 32.6 16.8 50.4

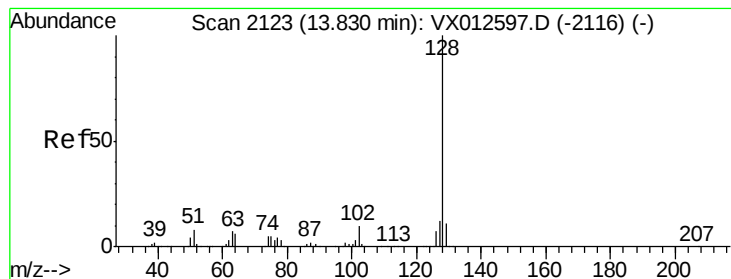


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.256 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

Instrument :

MSVOA_X

ClientSampleId :

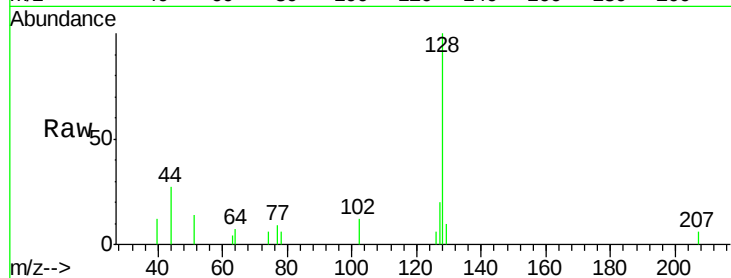
Tot Ion:128 Resp: 1912

Ion Ratio Lower Upper

128 100

127 17.5 10.2 15.4#

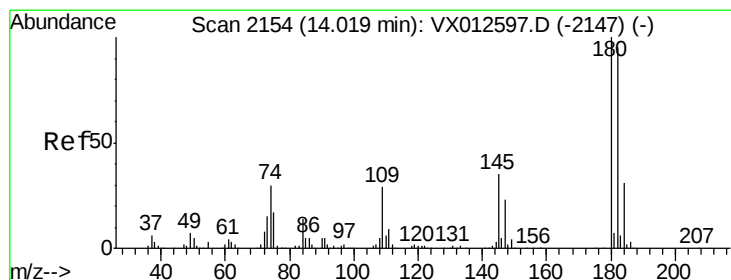
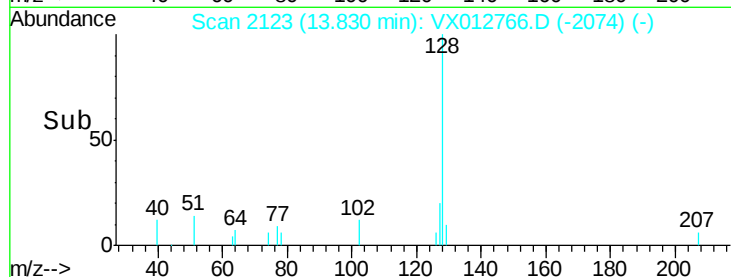
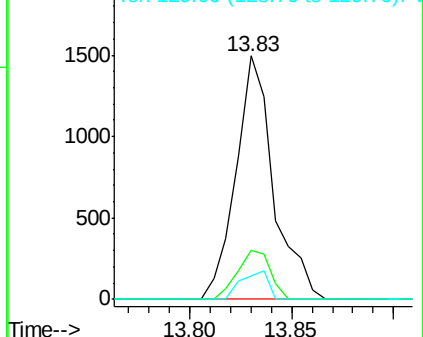
129 8.2 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.331 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012766.D

Acq: 02 Oct 2019 18:00

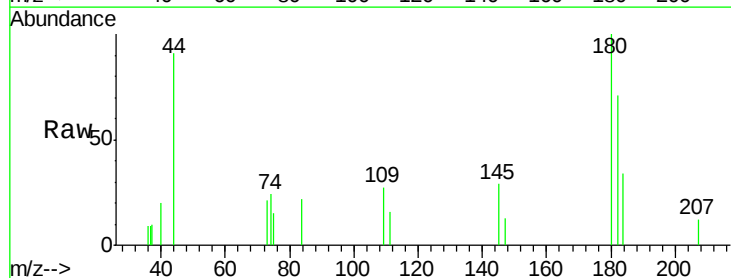
Tgt Ion:180 Resp: 683

Ion Ratio Lower Upper

180 100

182 96.9 47.1 141.3

145 33.2 18.0 54.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

