

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012751.D
 Acq On : 02 Oct 2019 11:11
 Operator : JC/SP
 Sample : VX1002WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 03 01:28:08 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	153581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	266730	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	219958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	74054	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	119196	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
35) Dibromofluoromethane	5.48	113	90052	56.69	ug/l	0.00
Spiked Amount			Recovery	=	113.38%	
50) Toluene-d8	8.71	98	340286	55.63	ug/l	0.00
Spiked Amount			Recovery	=	111.26%	
62) 4-Bromofluorobenzene	11.13	95	108647	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	

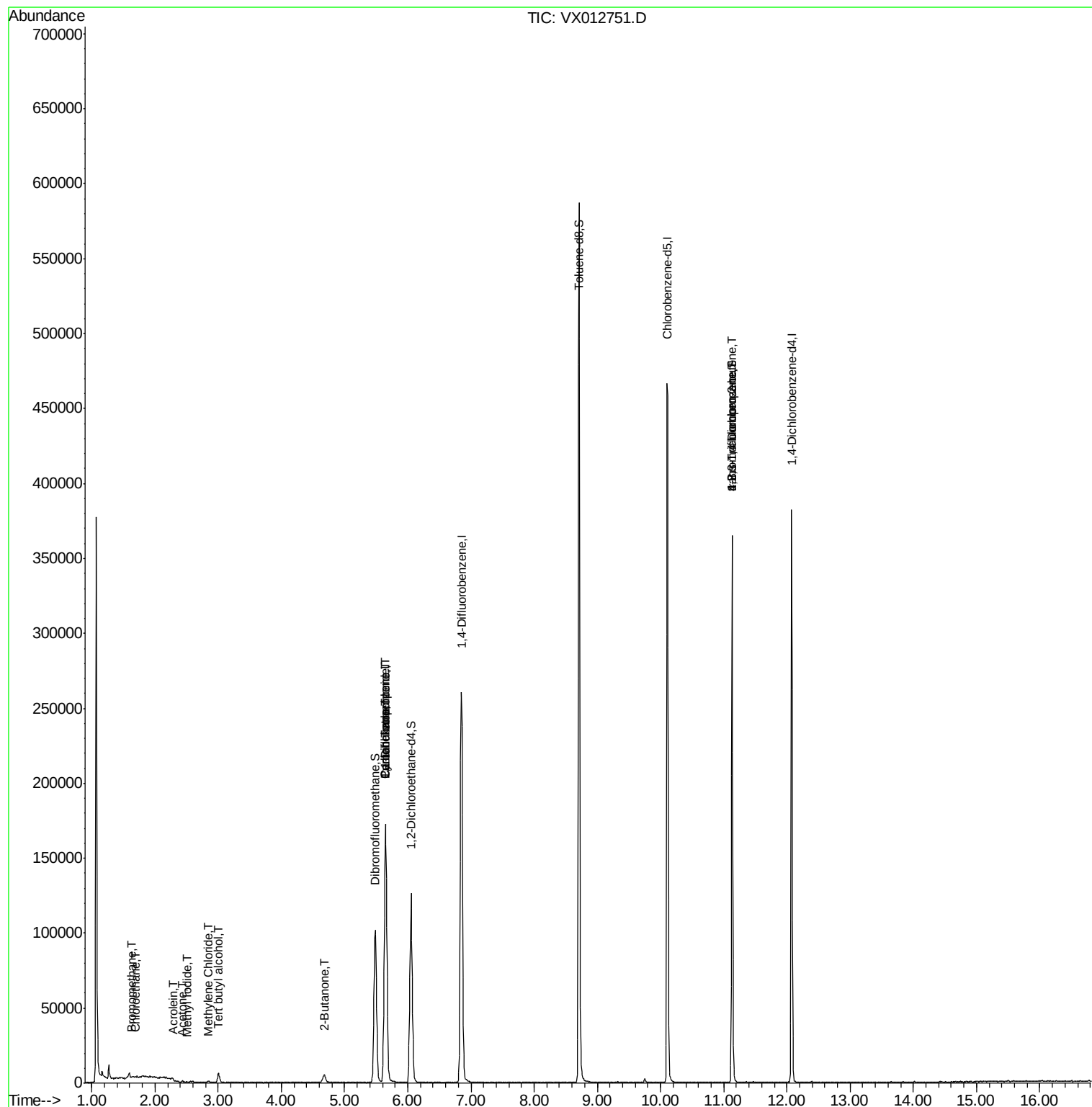
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	501	0.646	ug/l	83
6) Chloroethane	1.69	64	296	0.223	ug/l #	45
10) Methyl Iodide	2.50	142	203	5.056	ug/l #	35
11) Tert butyl alcohol	3.01	59	3938	7.049	ug/l #	72
13) Acrolein	2.28	56	101	10.544	ug/l #	57
16) Acetone	2.43	43	985	0.832	ug/l #	87
20) Methylene Chloride	2.84	84	405	0.202	ug/l	92
25) 2-Butanone	4.67	43	454	0.267	ug/l #	51
31) Cyclohexane	5.65	56	3588	1.153	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13189	5.130	ug/l #	51
38) Carbon Tetrachloride	5.64	117	17299	6.624	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	55317	28.239	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	55317	80.926	ug/l #	8

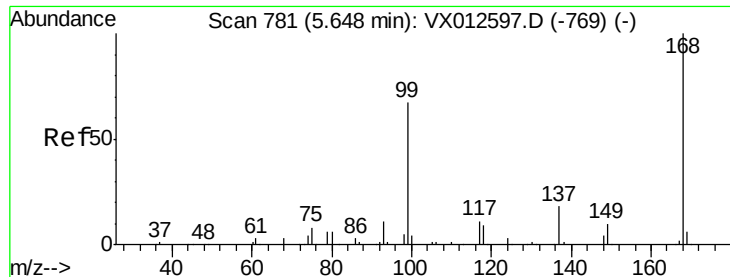
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100219\
Data File : VX012751.D
Acq On : 02 Oct 2019 11:11
Operator : JC/SP
Sample : VX1002WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 03 01:28:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

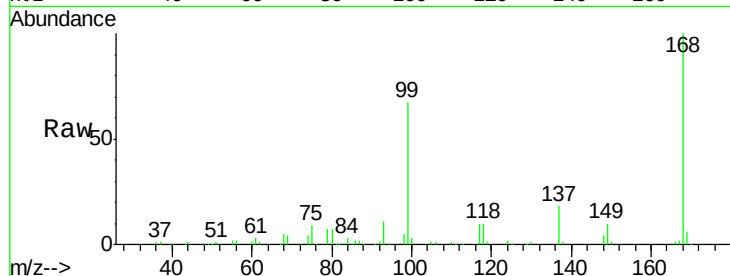
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 153581

Ion Ratio Lower Upper

168 100

99 67.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

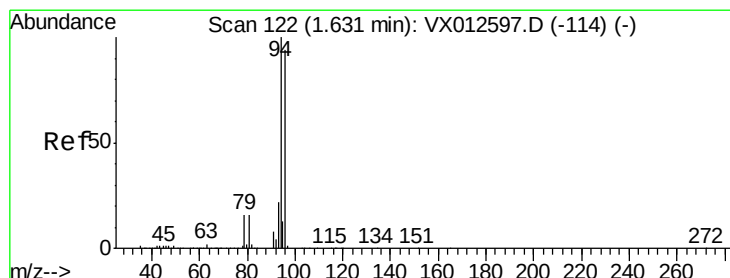
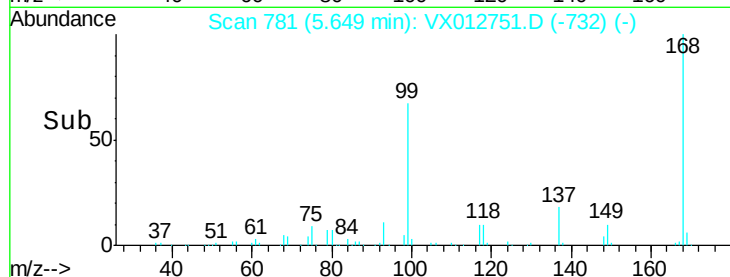
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.646 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012751.D

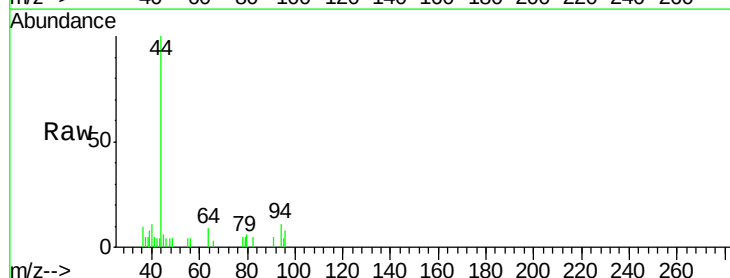
Acq: 02 Oct 2019 11:11

Tgt Ion: 94 Resp: 501

Ion Ratio Lower Upper

94 100

96 74.7 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

150

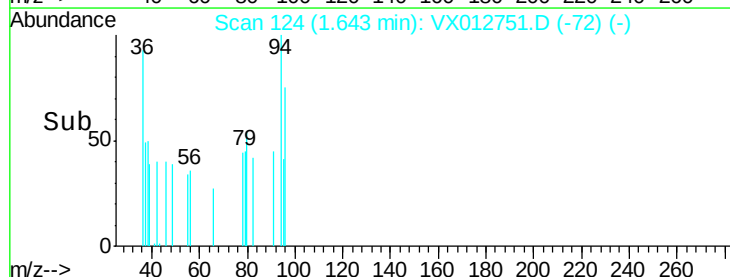
100

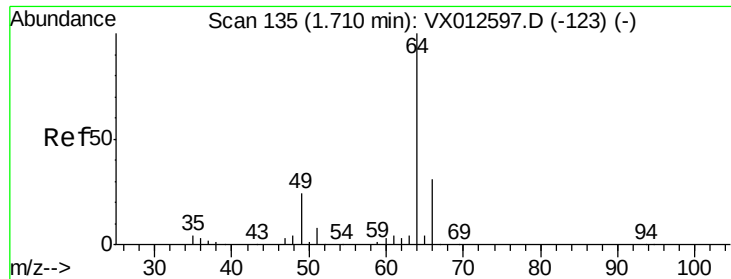
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.223 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

Instrument :

MSVOA_X

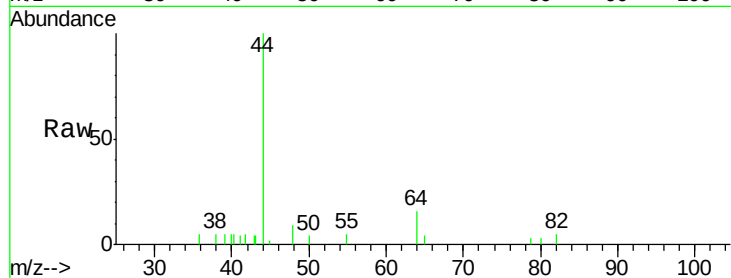
ClientSampled :

Tot Ion: 64 Resp: 296

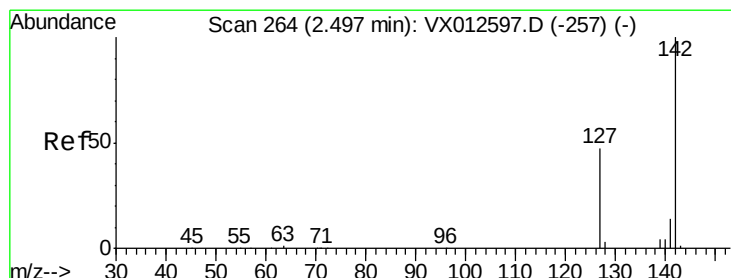
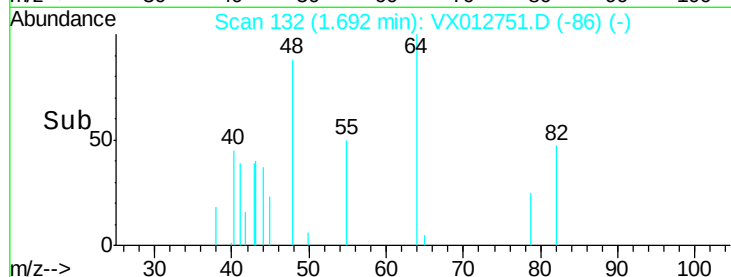
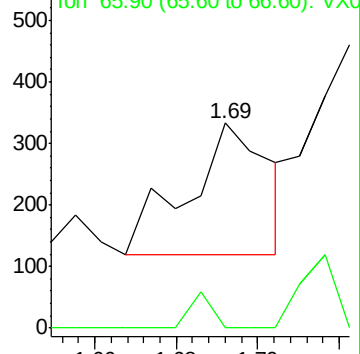
Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX012597.D (-123) (-)



#10

Methyl Iodide

Concen: 5.056 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

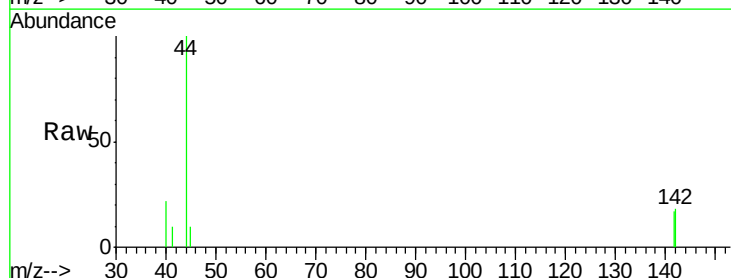
Tgt Ion: 142 Resp: 203

Ion Ratio Lower Upper

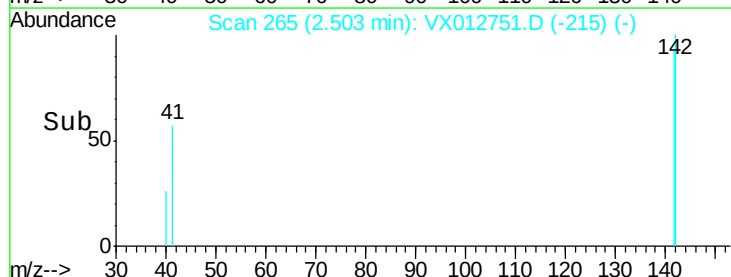
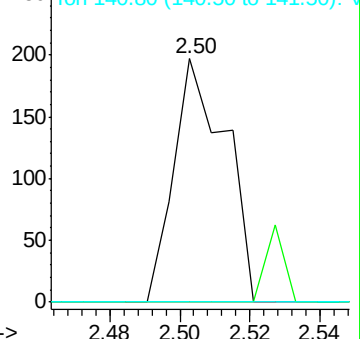
142 100

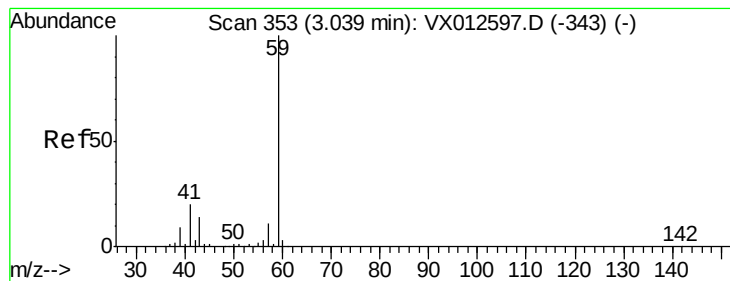
127 0.0 40.8 61.2#

141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): VX012597.D (-257) (-)



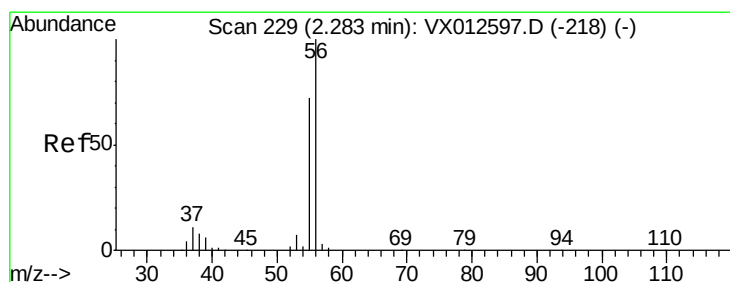
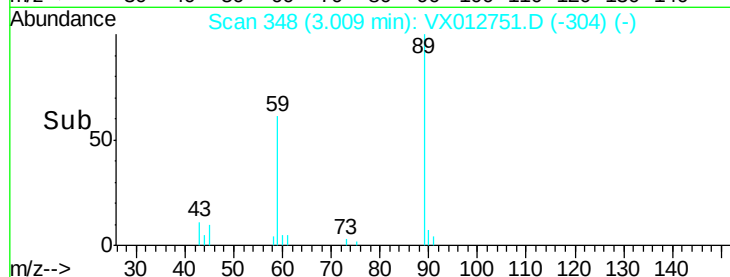
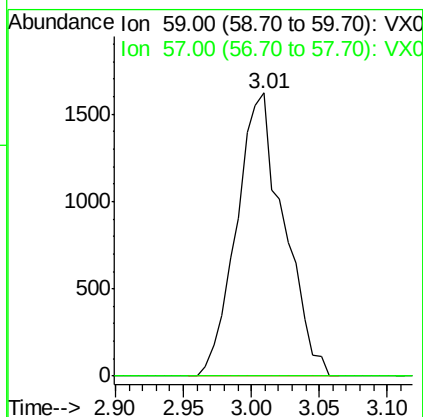
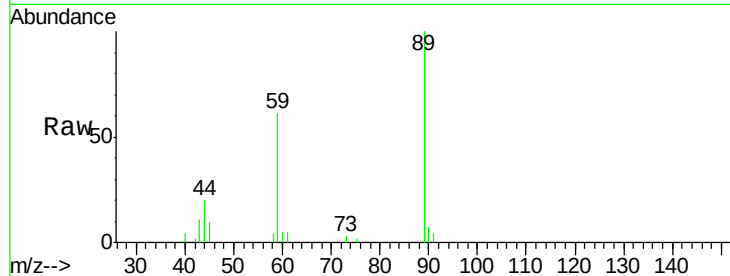


#11

Tert butyl alcohol
Concen: 7.049 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012751.D
Acq: 02 Oct 2019 11:11

Instrument :
MSVOA_X
ClientSampled :

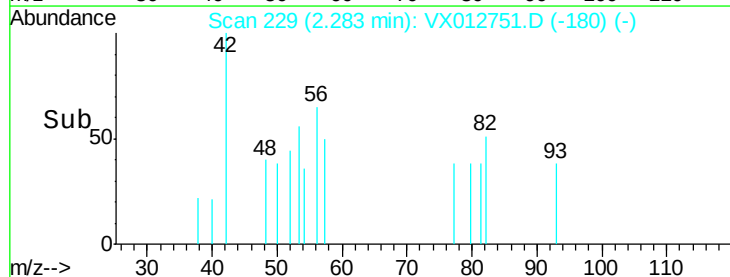
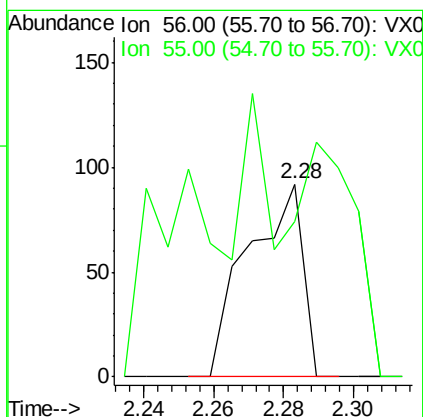
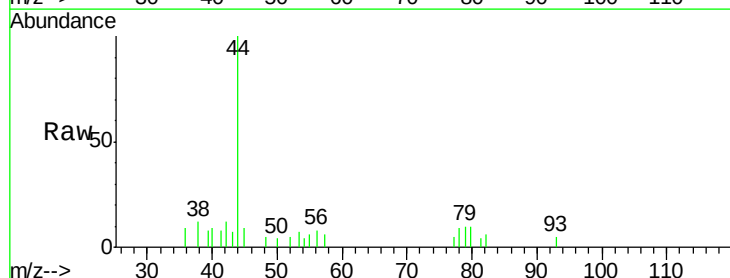
Tot Ion: 59 Resp: 3938
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

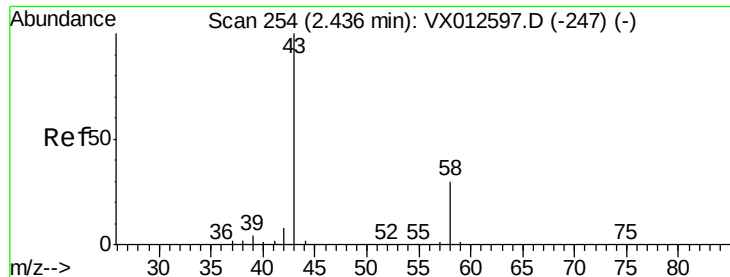


#13

Acrolein
Concen: 10.544 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012751.D
Acq: 02 Oct 2019 11:11

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 105.0 55.8 83.8#





#16

Acetone

Concen: 0.832 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

Instrument :

MSVOA_X

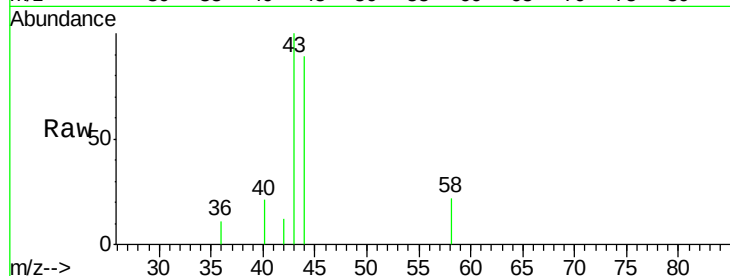
ClientSampleId :

Tot Ion: 43 Resp: 985

Ion Ratio Lower Upper

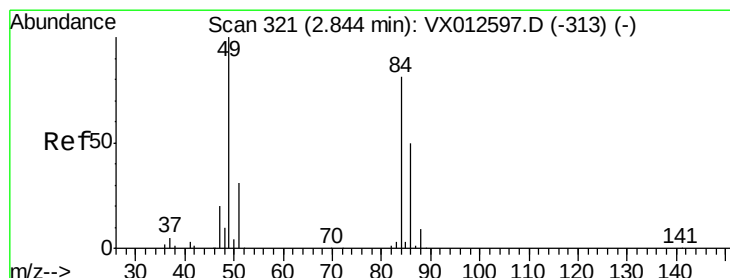
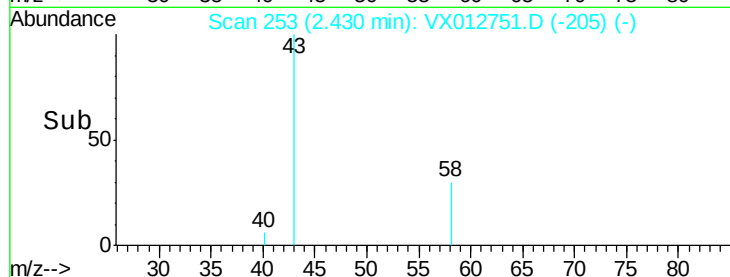
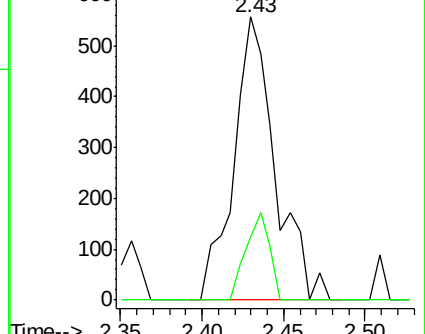
43 100

58 22.1 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

Tgt Ion: 84 Resp: 405

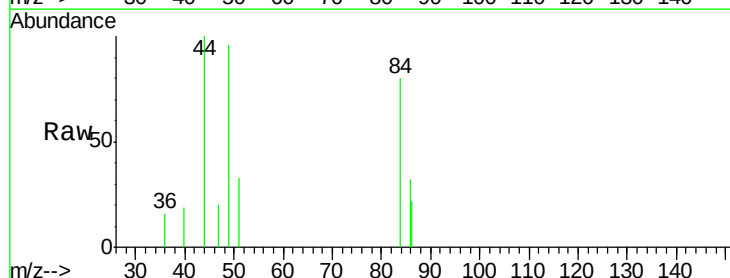
Ion Ratio Lower Upper

84 100

49 120.1 106.8 160.2

51 41.2 32.3 48.5

86 67.7 51.3 76.9

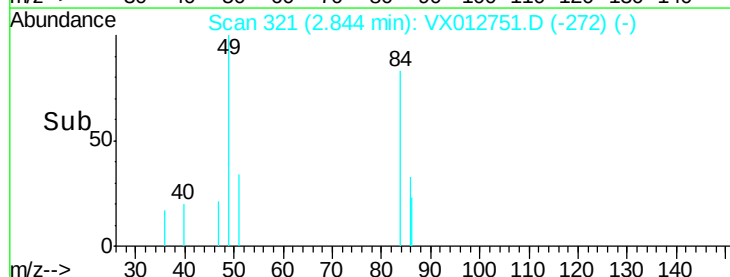
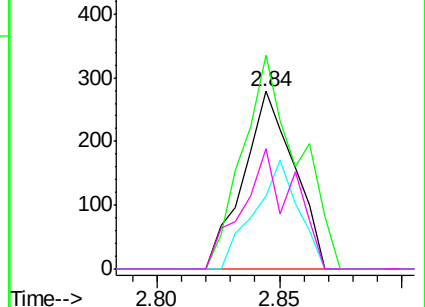


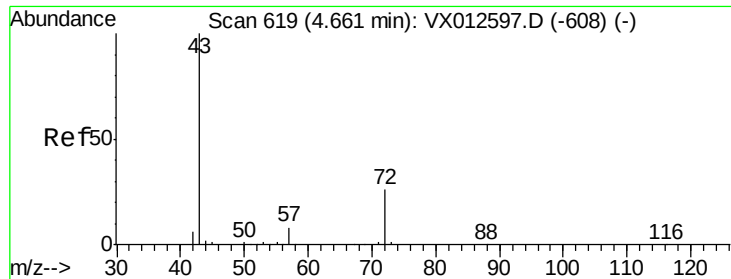
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.267 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

Instrument :

MSVOA_X

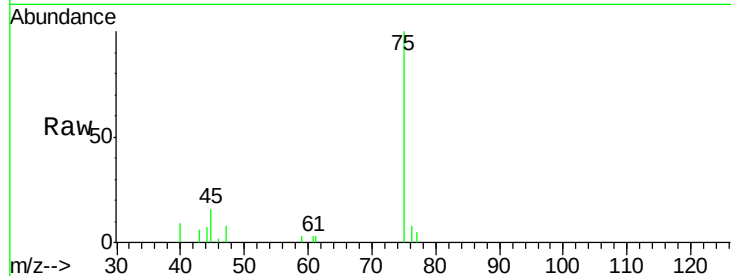
ClientSampleId :

Tot Ion: 43 Resp: 454

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

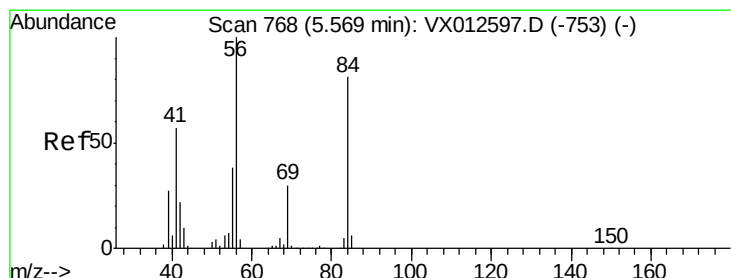
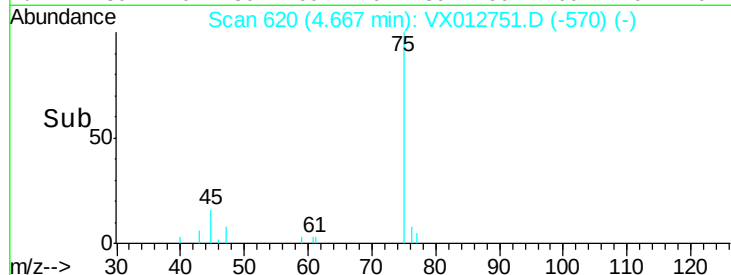
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

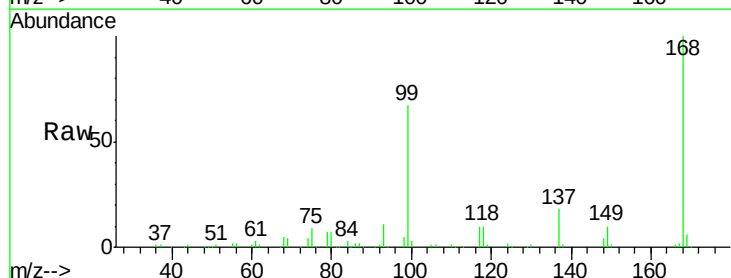
Tgt Ion: 56 Resp: 3588

Ion Ratio Lower Upper

56 100

69 192.3 25.0 37.6#

84 119.9 66.4 99.6#



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

3000

2500

2000

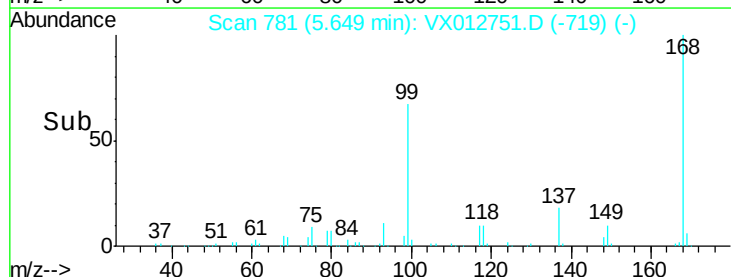
1500

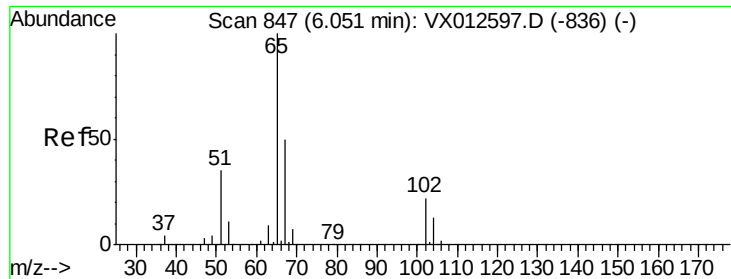
1000

500

0

Time-->

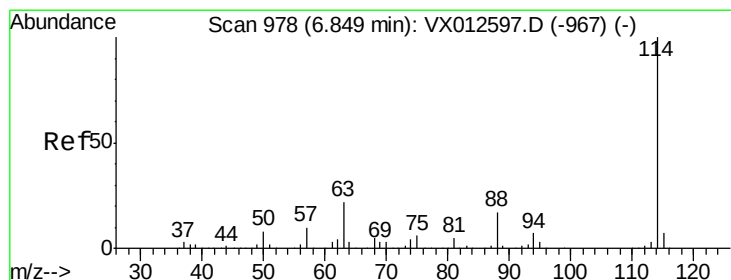
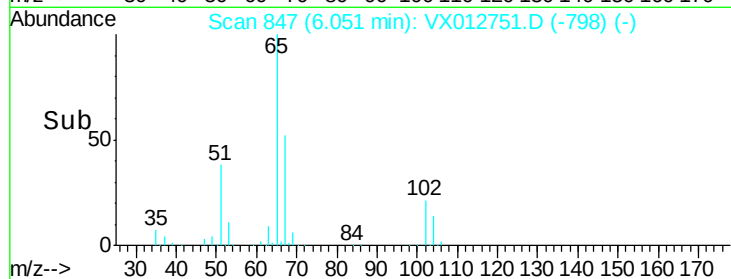
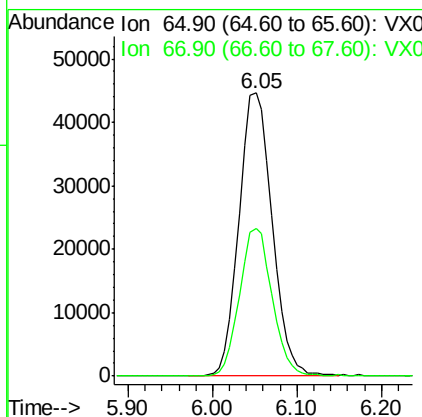
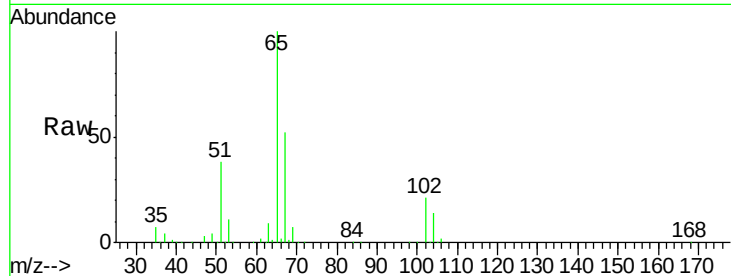




#33
 1,2-Dichloroethane-d4
 Concen: 53.297 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012751.D
 Acq: 02 Oct 2019 11:11

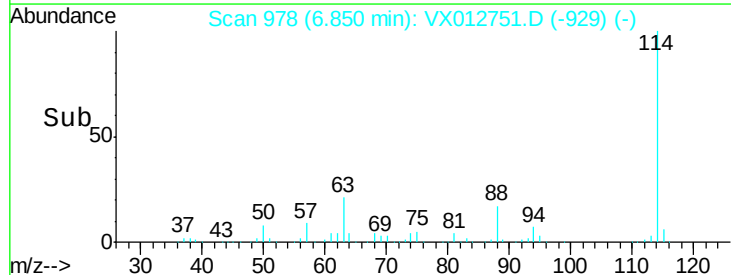
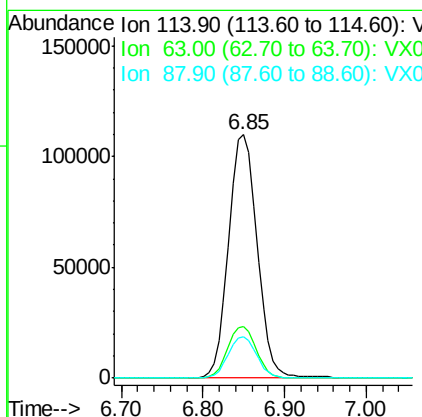
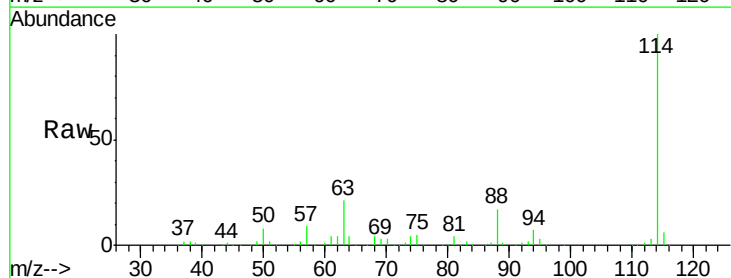
Instrument :
 MSVOA_X
 ClientSampleId :

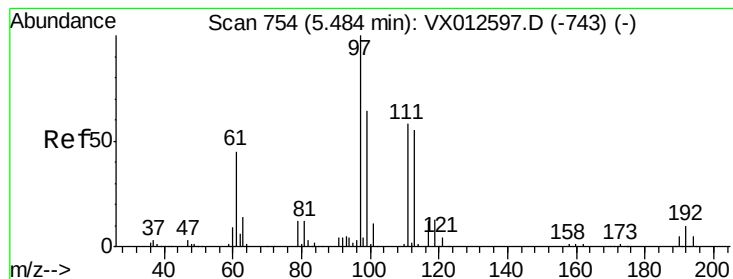
Tot Ion: 65 Resp: 119196
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012751.D
 Acq: 02 Oct 2019 11:11

Tgt Ion: 114 Resp: 266730
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 17.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 56.690 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

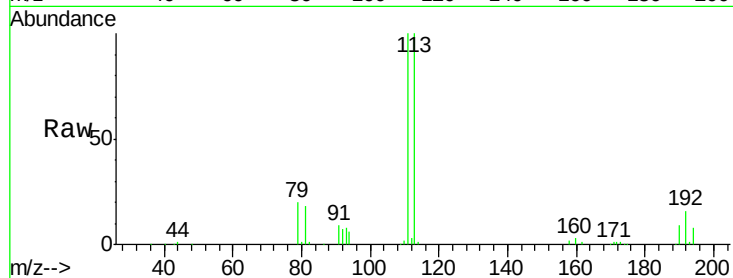
Tot Ion:113 Resp: 90052

Ion Ratio Lower Upper

113 100

111 100.9 83.4 125.2

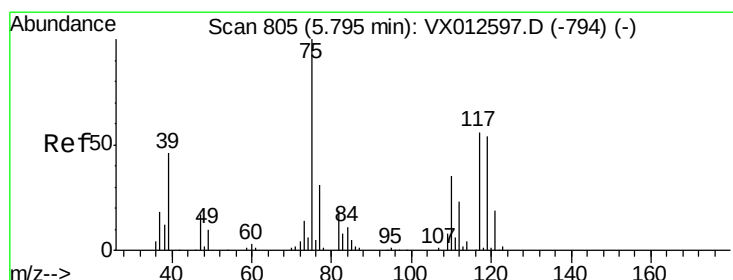
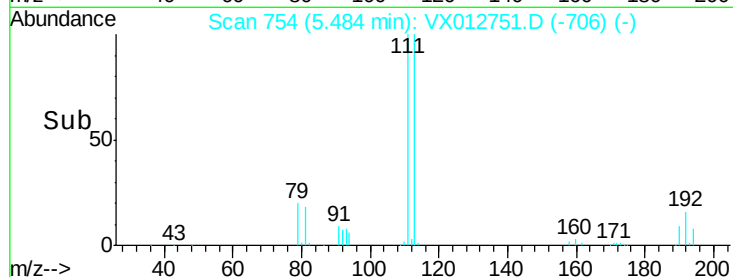
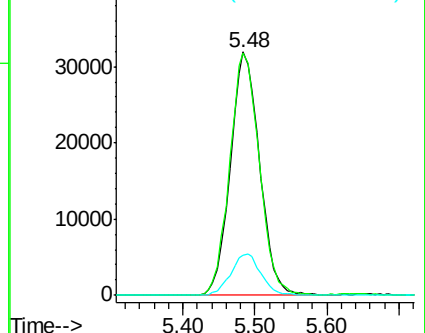
192 17.7 14.4 21.6



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: 5.130 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

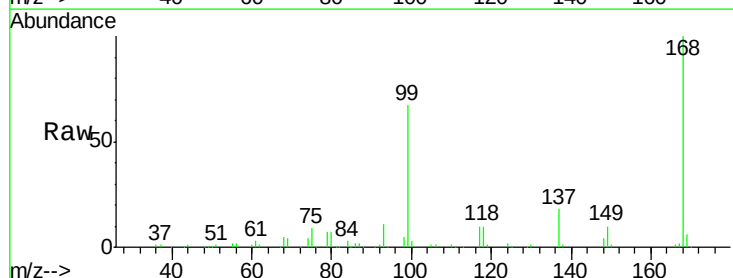
Tgt Ion: 75 Resp: 13189

Ion Ratio Lower Upper

75 100

110 9.3 16.7 50.0#

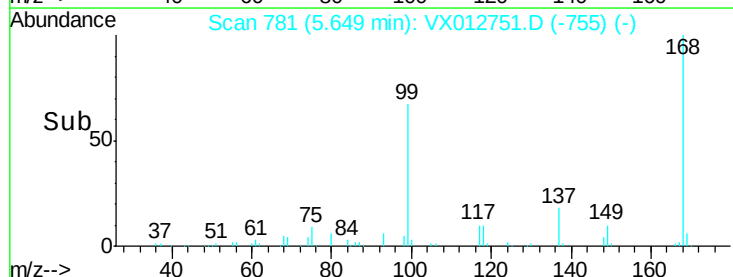
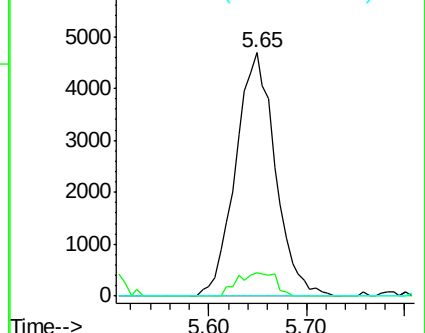
77 0.0 24.2 36.2#

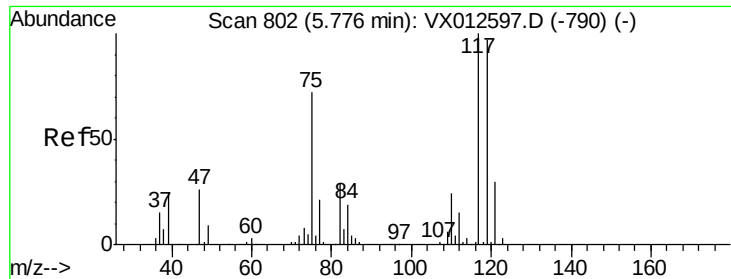


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

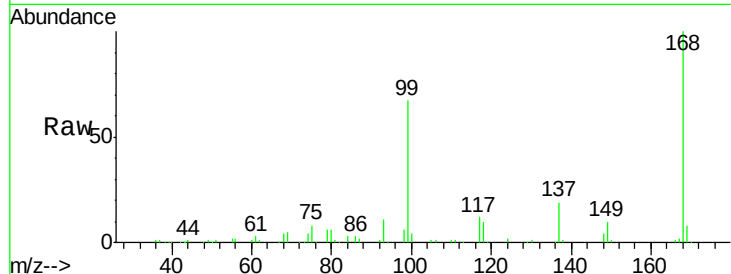




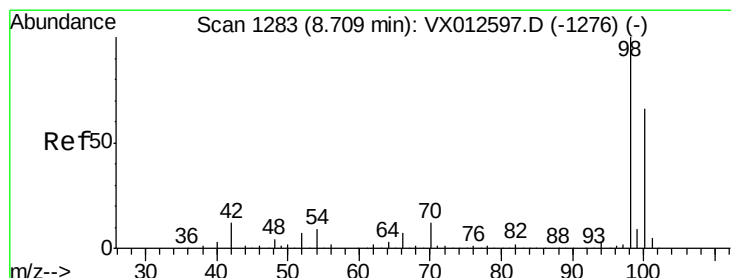
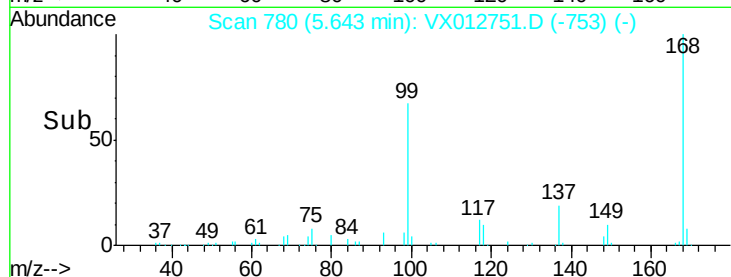
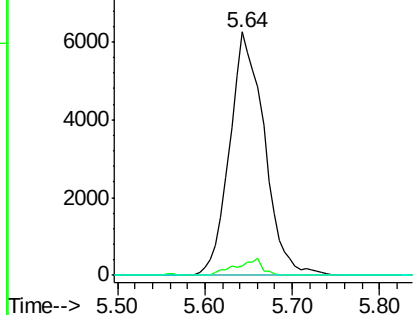
#38
Carbon Tetrachloride
Concen: 6.624 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012751.D
Acq: 02 Oct 2019 11:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 17299
Ion Ratio Lower Upper
117 100
119 3.9 75.7 113.5#
121 0.0 24.2 36.4#

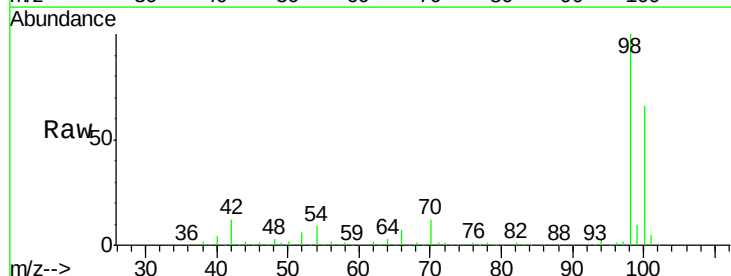


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

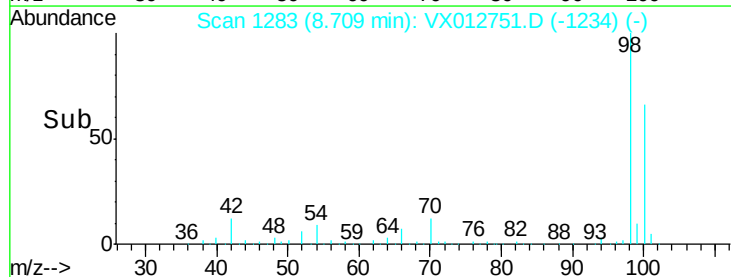
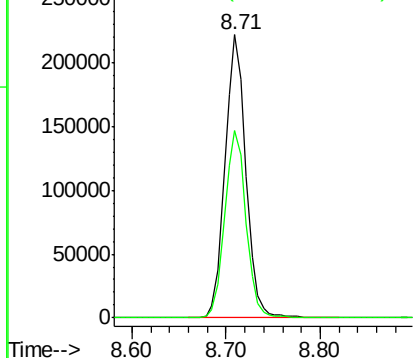


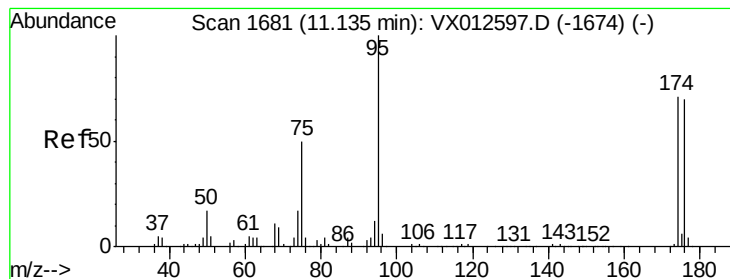
#50
Toluene-d8
Concen: 55.626 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012751.D
Acq: 02 Oct 2019 11:11

Tgt Ion: 98 Resp: 340286
Ion Ratio Lower Upper
98 100
100 67.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.168 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

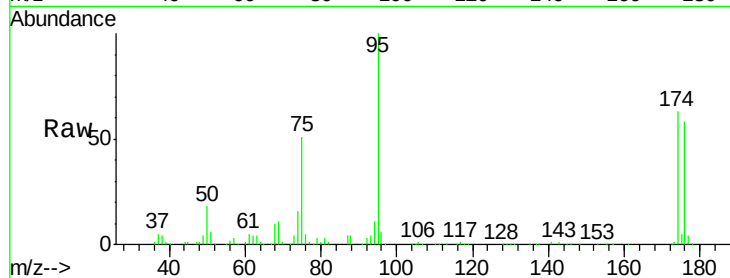
Tot Ion: 95 Resp: 108647

Ion Ratio Lower Upper

95 100

174 69.6 0.0 140.0

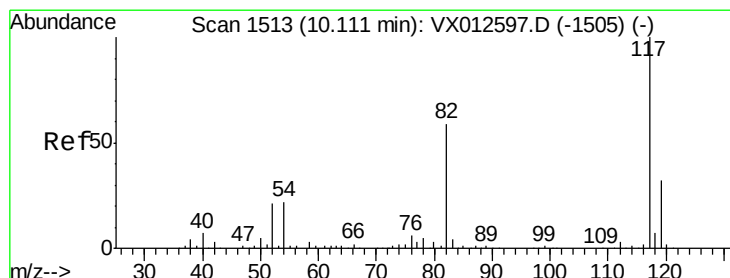
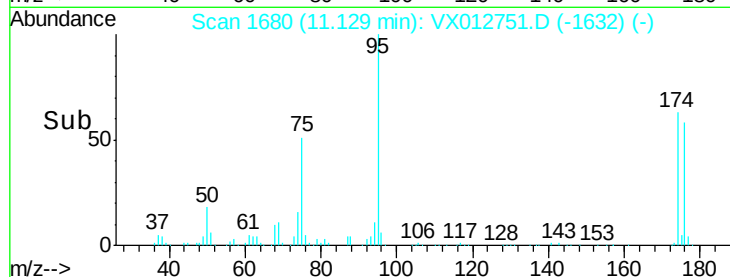
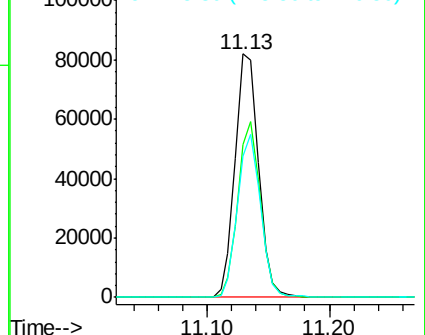
176 65.8 0.0 135.4



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# 1512

Delta R.T. -0.01 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

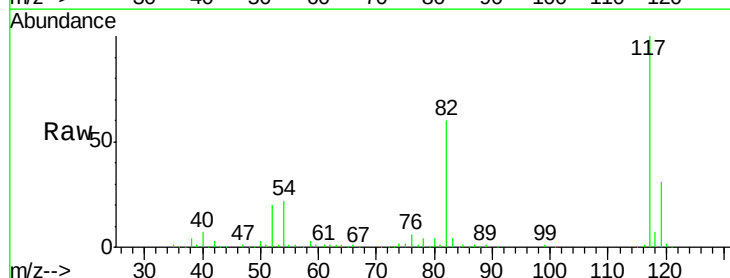
Tgt Ion: 117 Resp: 219958

Ion Ratio Lower Upper

117 100

82 59.5 45.9 68.9

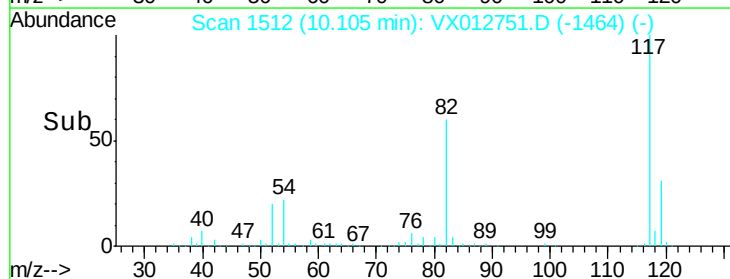
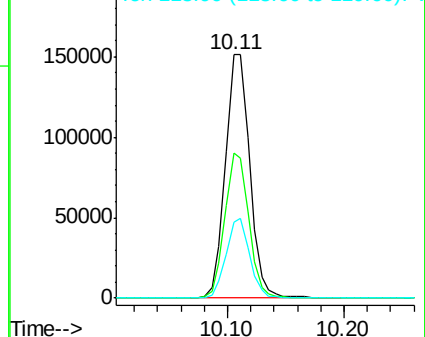
119 31.4 25.3 37.9

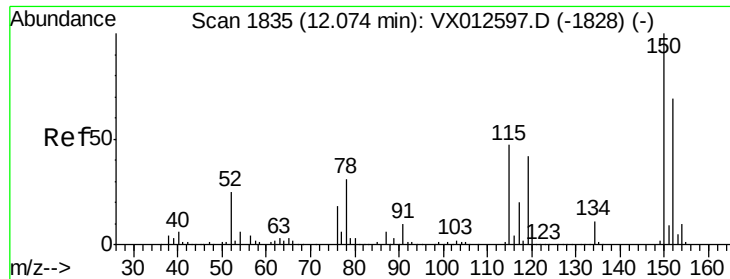


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

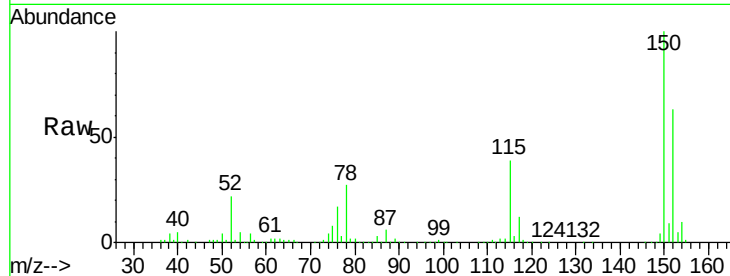
Tot Ion:152 Resp: 74054

Ion Ratio Lower Upper

152 100

115 63.5 44.1 132.3

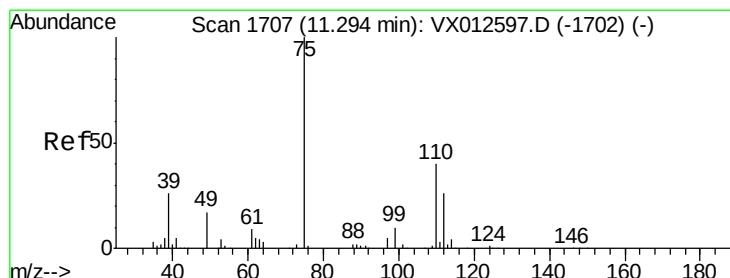
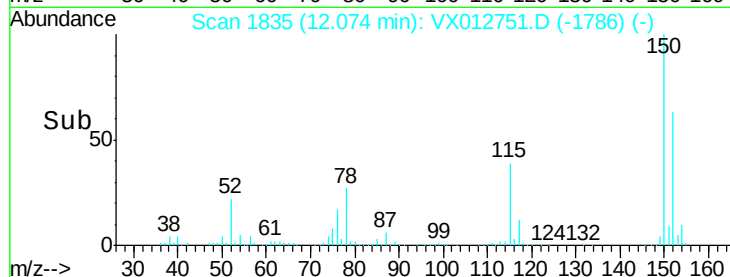
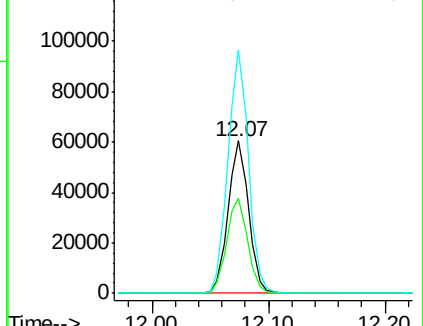
150 159.8 0.0 343.8



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: 28.239 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012751.D

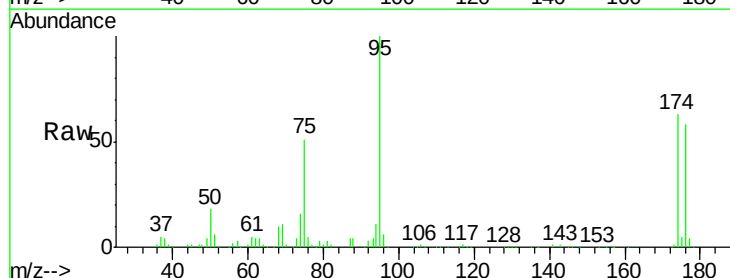
Acq: 02 Oct 2019 11:11

Tgt Ion: 75 Resp: 55317

Ion Ratio Lower Upper

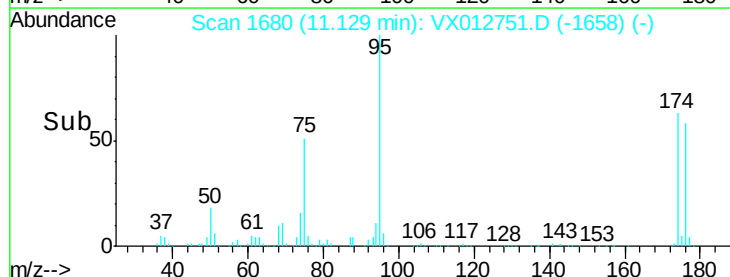
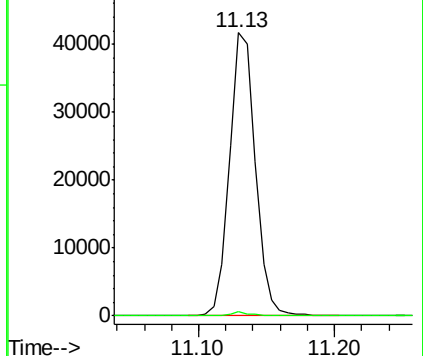
75 100

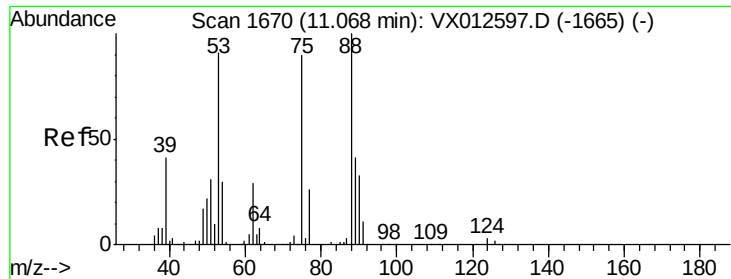
77 1.2 19.7 59.0#



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: 80.926 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012751.D

Acq: 02 Oct 2019 11:11

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 55317

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

