

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012958.D
 Acq On : 09 Oct 2019 21:57
 Operator : JC/SP
 Sample : VX1009WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 06:46:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	176130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	297112	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93980	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	114582	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	5.49	113	88807	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
50) Toluene-d8	8.71	98	348846	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
62) 4-Bromofluorobenzene	11.14	95	115134	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	

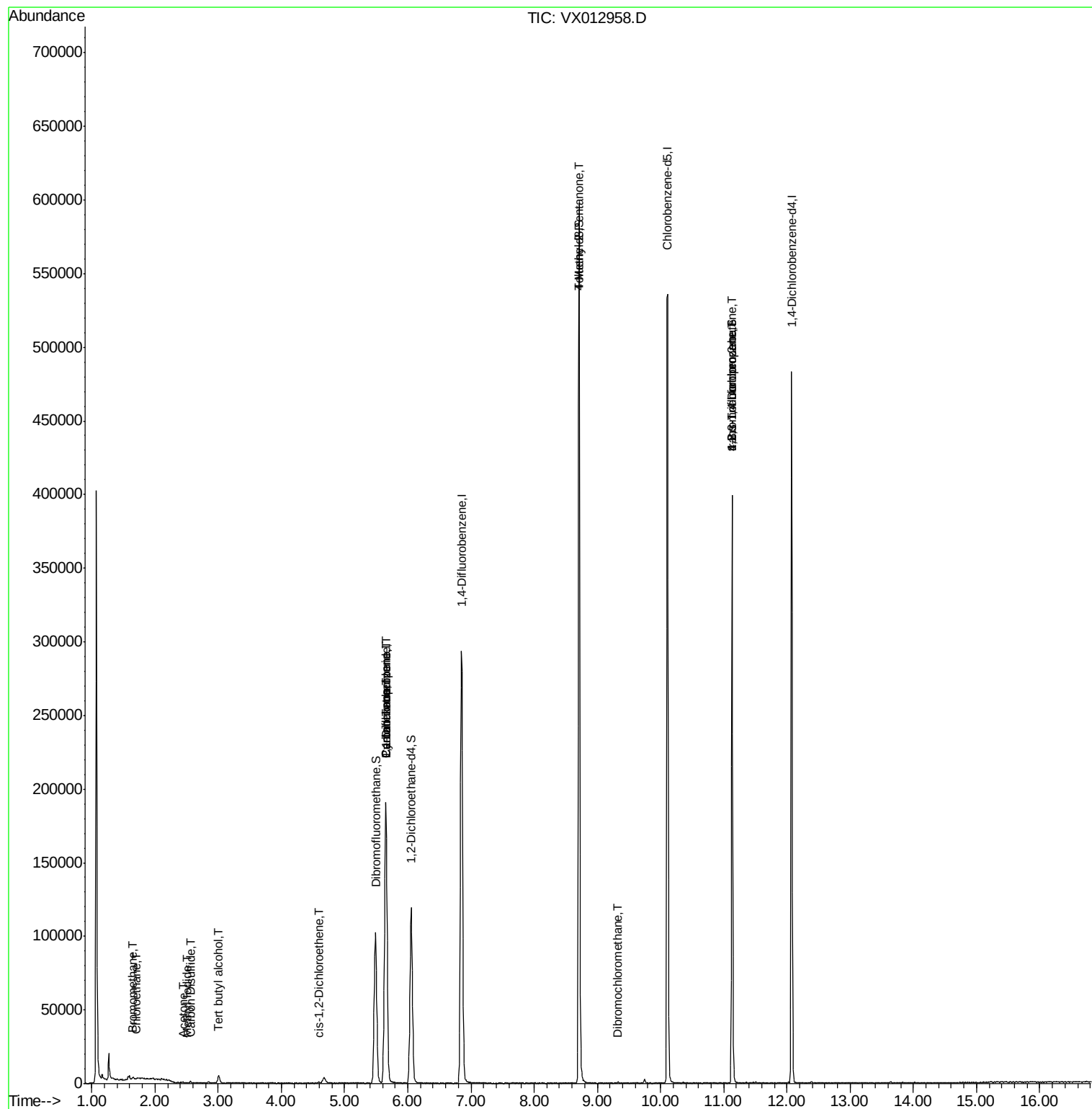
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	476	0.568	ug/l #	78
6) Chloroethane	1.71	64	398	0.688	ug/l #	43
10) Methyl Iodide	2.51	142	348	5.238	ug/l #	89
11) Tert butyl alcohol	3.00	59	3504	6.004	ug/l #	72
16) Acetone	2.44	43	560	0.483	ug/l #	72
17) Carbon Disulfide	2.56	76	1202	0.237	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	544	0.247	ug/l	90
28) Bromochloromethane	5.01	49	42	Below Cal	#	13
31) Cyclohexane	5.65	56	3703	1.159	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14236	5.450	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18642	7.332	ug/l #	19
51) 4-Methyl-2-Pentanone	8.72	43	1570	0.537	ug/l #	1
60) Dibromochloromethane	9.32	129	78	1.892	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	57907	27.780	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	57907	69.685	ug/l #	10

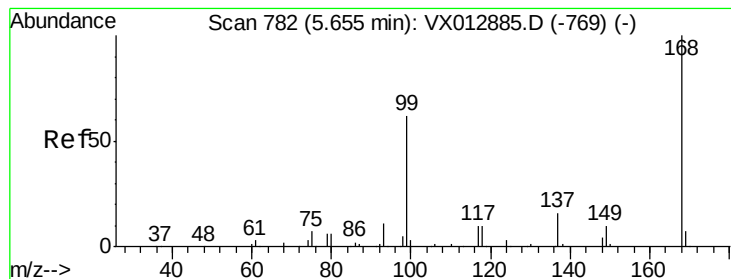
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

Instrument :

MSVOA_X

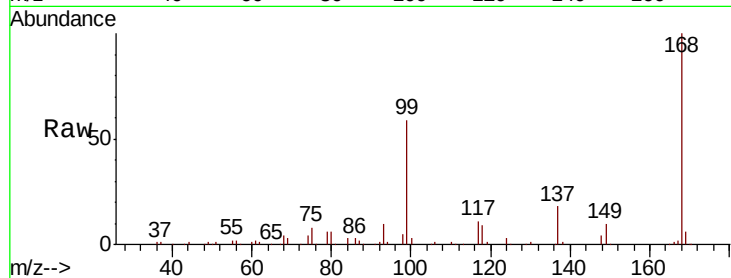
ClientSampleId :

Tot Ion:168 Resp: 176130

Ion Ratio Lower Upper

168 100

99 59.1 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

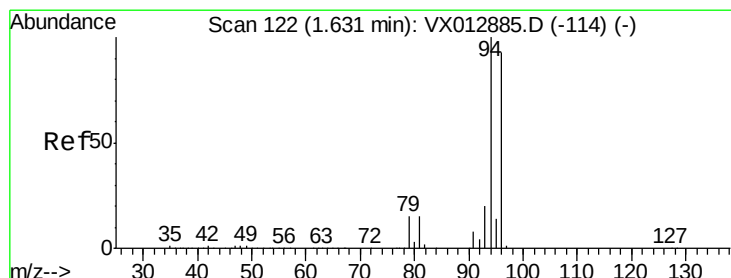
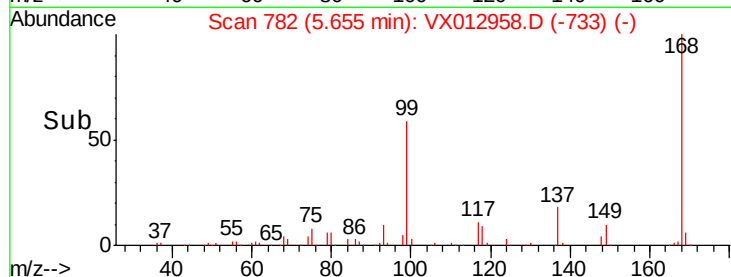
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.568 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012958.D

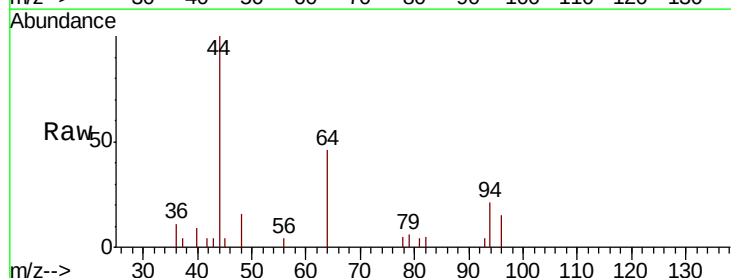
Acq: 09 Oct 2019 21:57

Tgt Ion: 94 Resp: 476

Ion Ratio Lower Upper

94 100

96 72.6 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

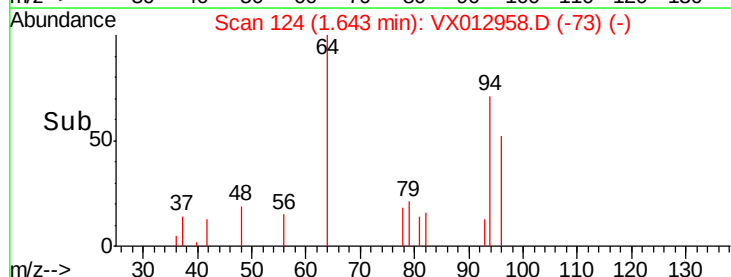
300

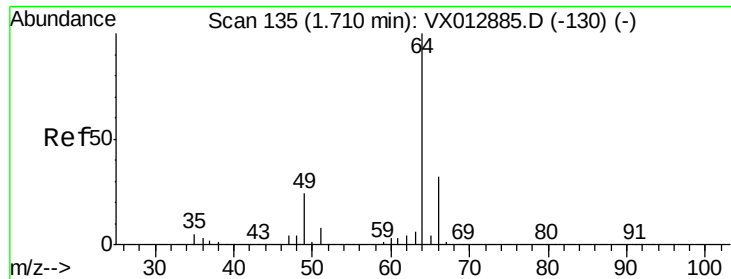
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.688 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

Instrument :

MSVOA_X

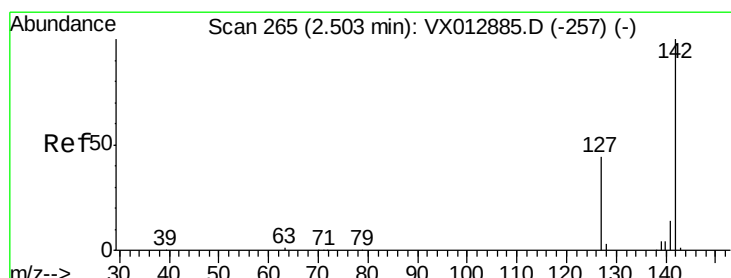
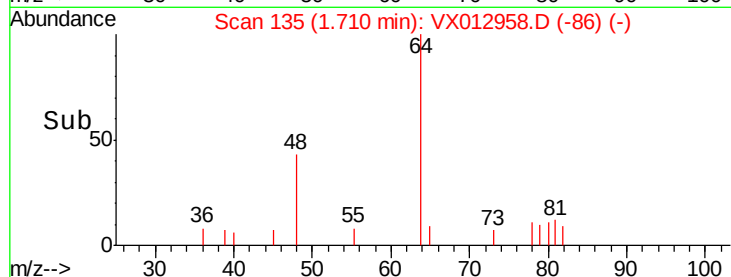
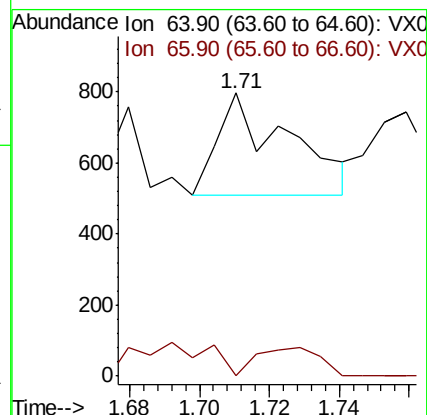
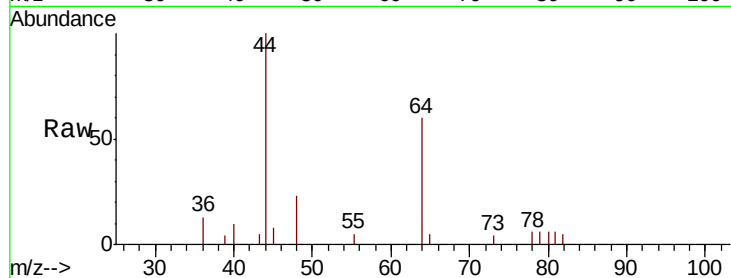
ClientSampleId :

Tot Ion: 64 Resp: 398

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#10

Methyl Iodide

Concen: 5.238 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

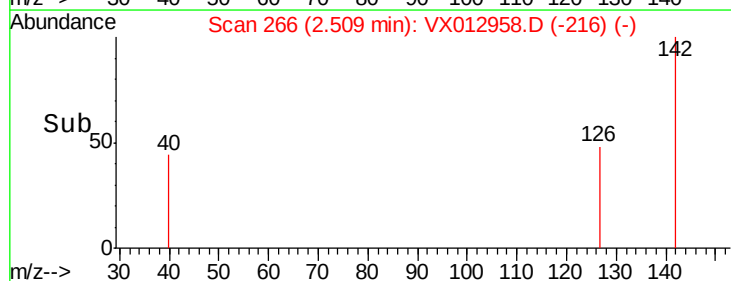
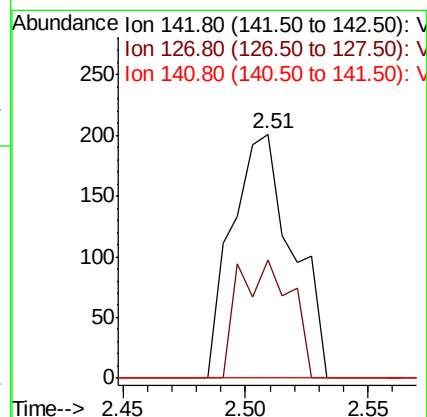
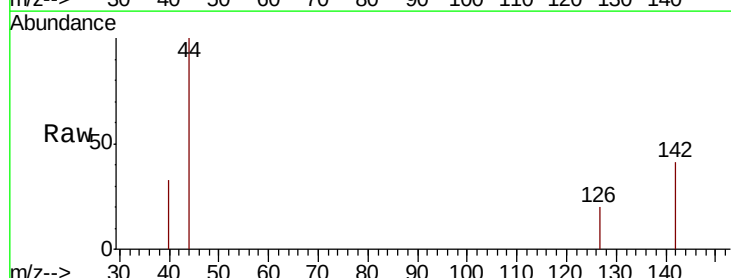
Tgt Ion: 142 Resp: 348

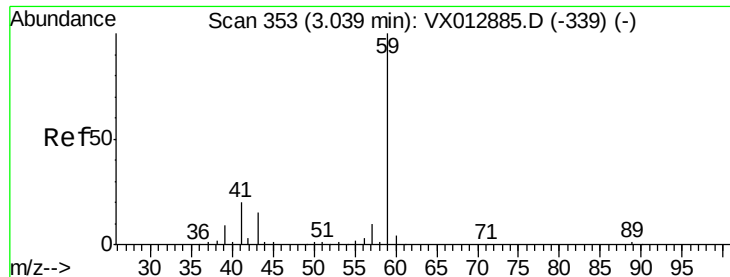
Ion Ratio Lower Upper

142 100

127 42.0 34.9 52.3

141 0.0 11.6 17.4#

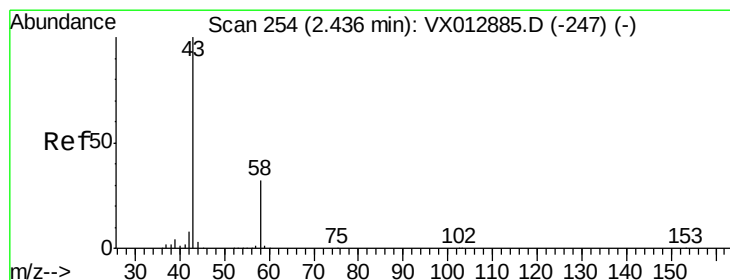
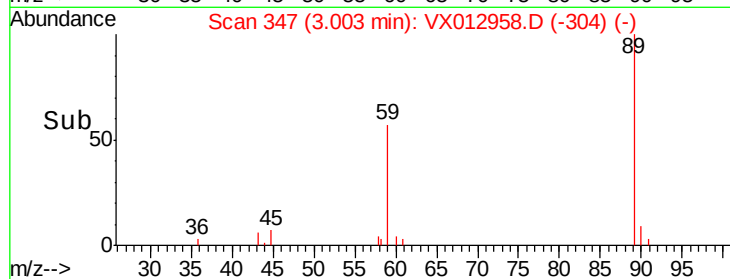
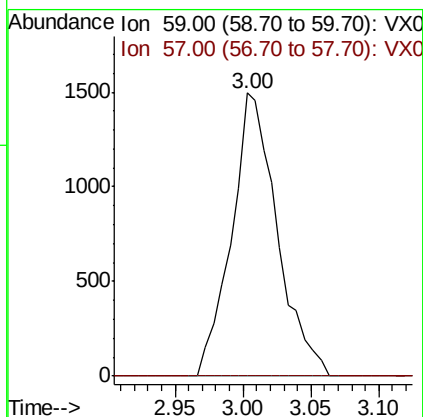
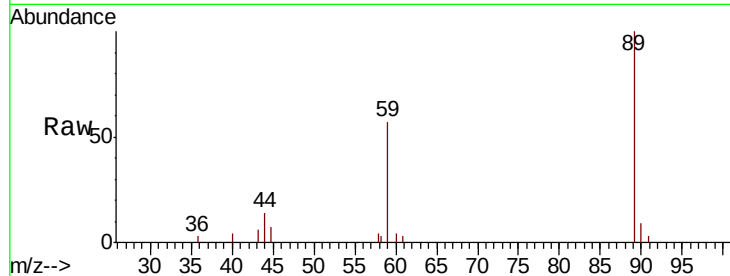




#11
Tert butyl alcohol
Concen: 6.004 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012958.D
Acq: 09 Oct 2019 21:57

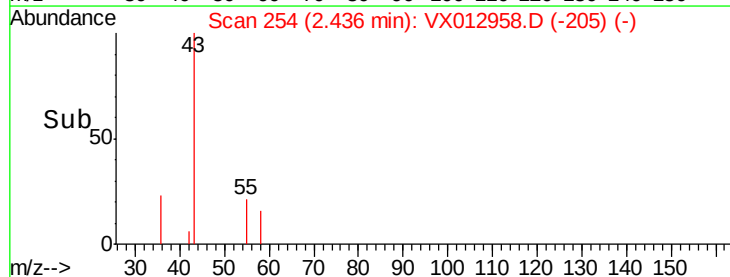
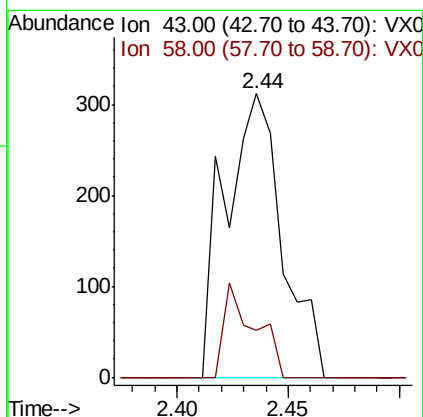
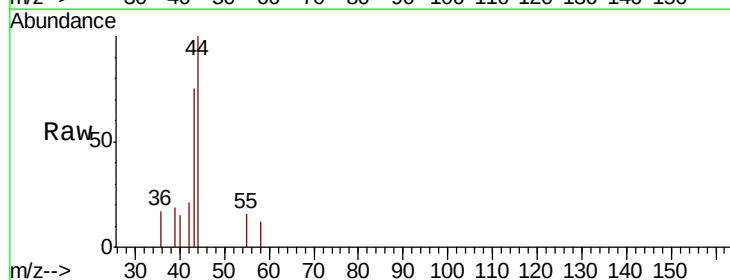
Instrument :
MSVOA_X
ClientSampleId :

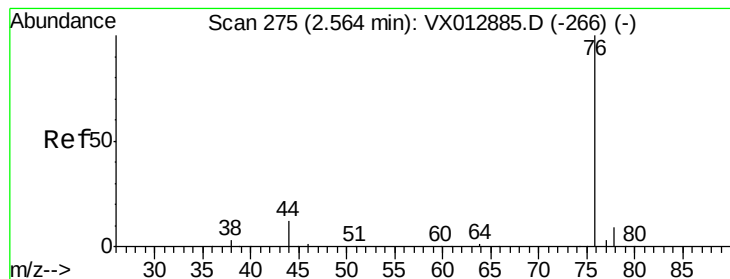
Tot Ion: 59 Resp: 3504
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.483 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX012958.D
Acq: 09 Oct 2019 21:57

Tgt Ion: 43 Resp: 560
Ion Ratio Lower Upper
43 100
58 16.3 25.4 38.2#





#17

Carbon Disulfide

Concen: 0.237 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

Instrument :

MSVOA_X

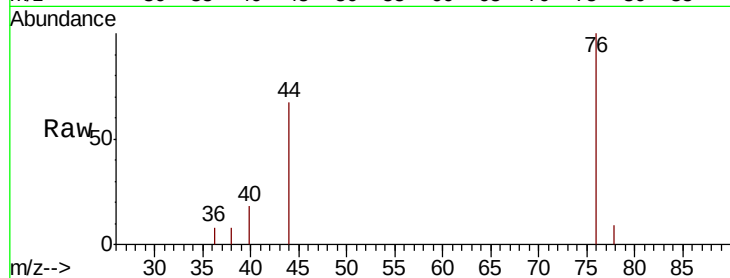
ClientSampled :

Tot Ion: 76 Resp: 1202

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

800

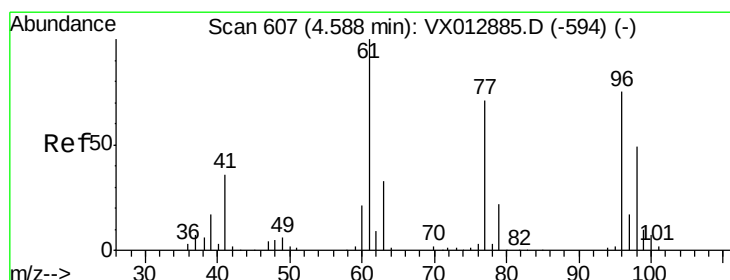
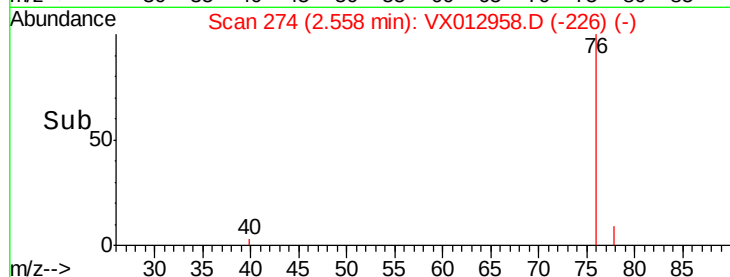
600

400

200

0

Time--> 2.50 2.55 2.60



#27

cis-1,2-Dichloroethene

Concen: 0.247 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

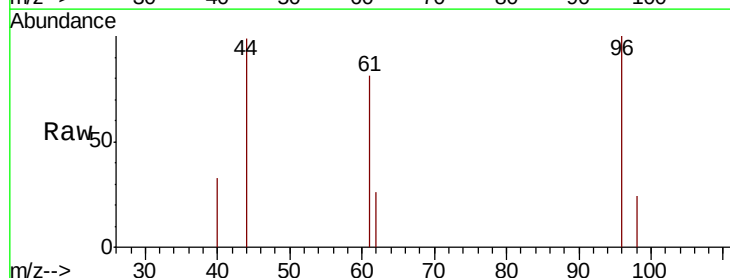
Tgt Ion: 96 Resp: 544

Ion Ratio Lower Upper

96 100

61 145.8 0.0 290.6

98 39.0 0.0 128.8



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

400

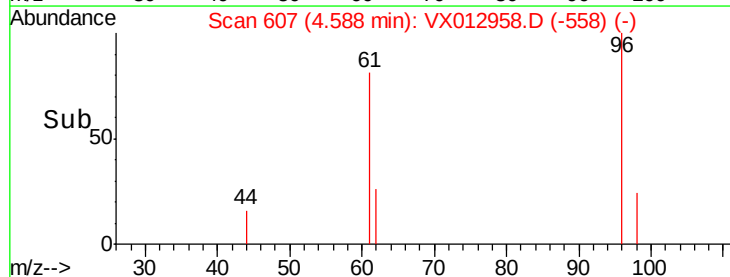
300

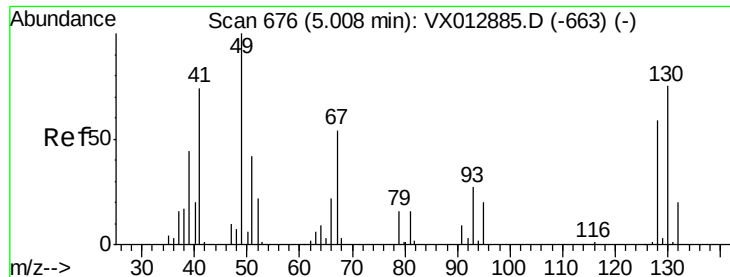
200

100

0

Time--> 4.55 4.60 4.65





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 676

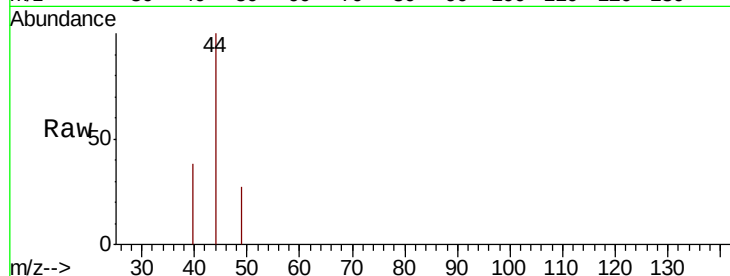
Delta R.T. 0.00 min

Lab File: VX012958.D

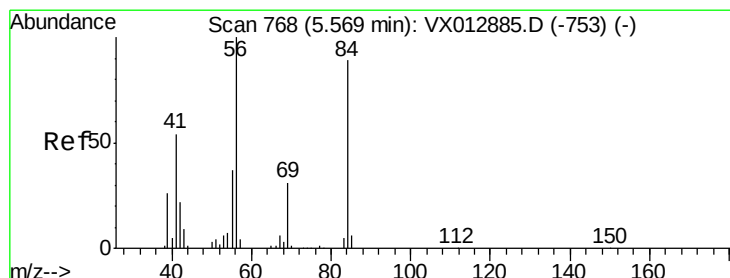
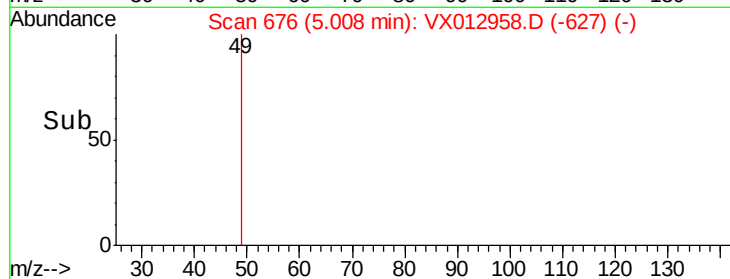
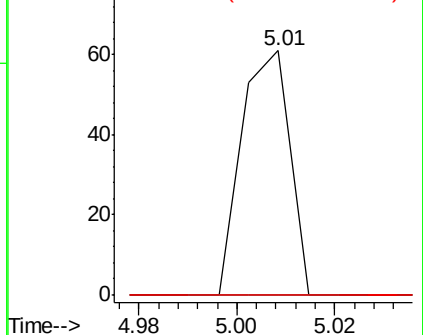
Acq: 09 Oct 2019 21:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 42
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.1 93.1#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.159 ug/l

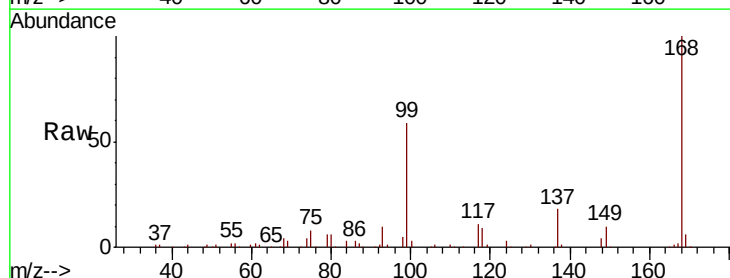
RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

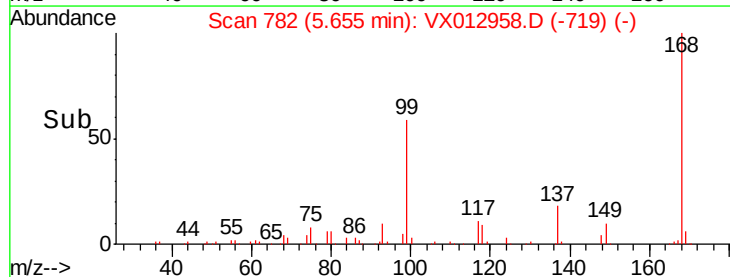
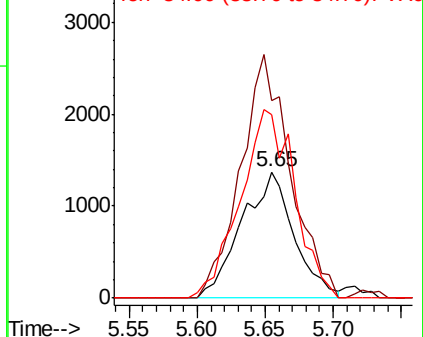
Lab File: VX012958.D

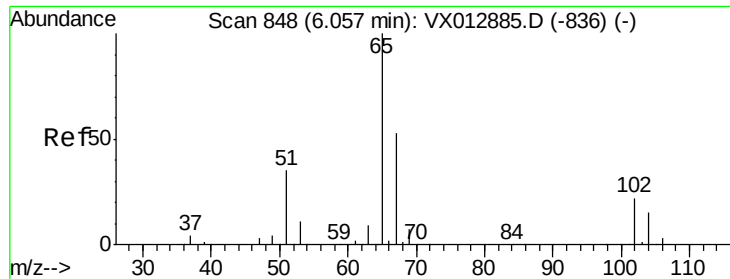
Acq: 09 Oct 2019 21:57

Tgt Ion: 56 Resp: 3703
Ion Ratio Lower Upper
56 100
69 156.8 25.2 37.8#
84 144.9 71.3 106.9#



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

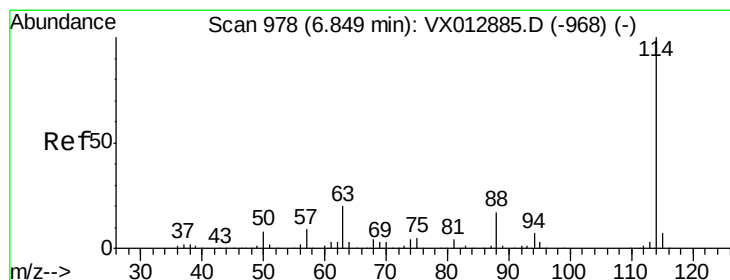
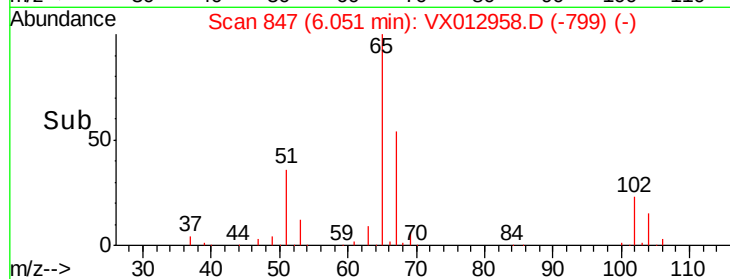
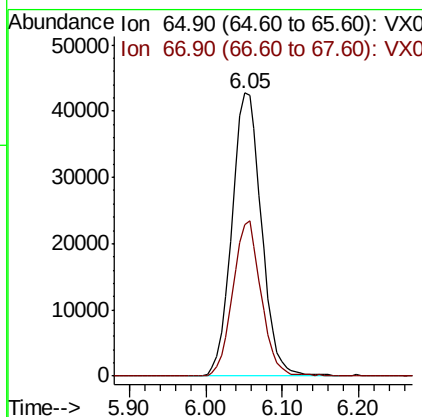
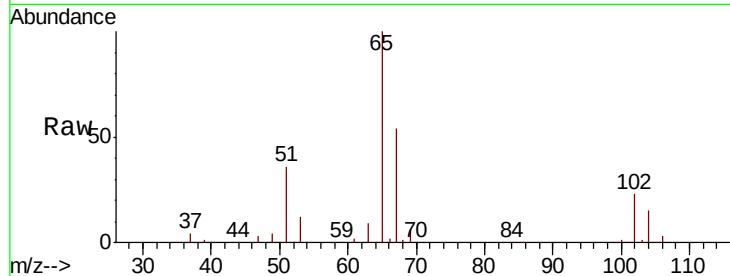




#33
 1,2-Dichloroethane-d4
 Concen: 52.050 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012958.D
 Acq: 09 Oct 2019 21:57

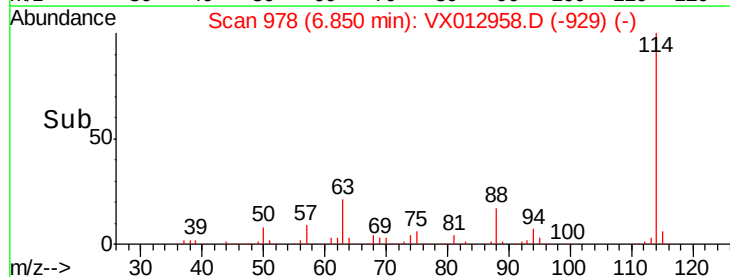
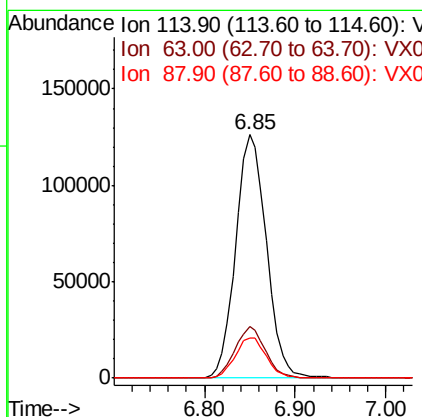
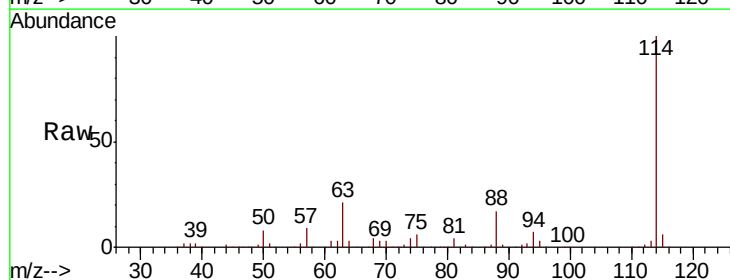
Instrument :
 MSVOA_X
 ClientSampleId :

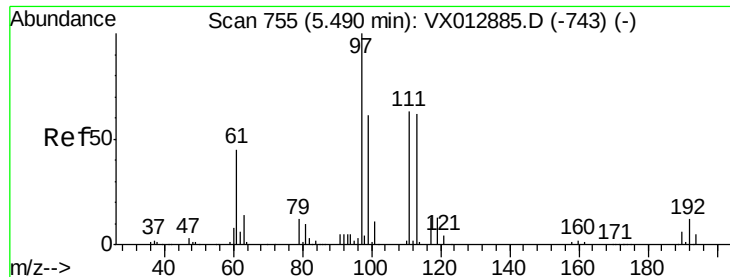
Tot Ion: 65 Resp: 114582
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012958.D
 Acq: 09 Oct 2019 21:57

Tgt Ion: 114 Resp: 297112
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.078 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

Instrument :

MSVOA_X

ClientSampleId :

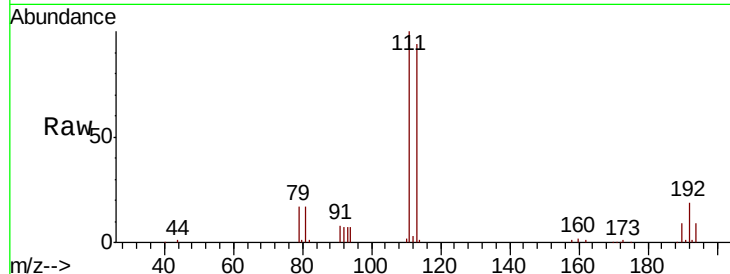
Tot Ion:113 Resp: 88807

Ion Ratio Lower Upper

113 100

111 101.9 83.2 124.8

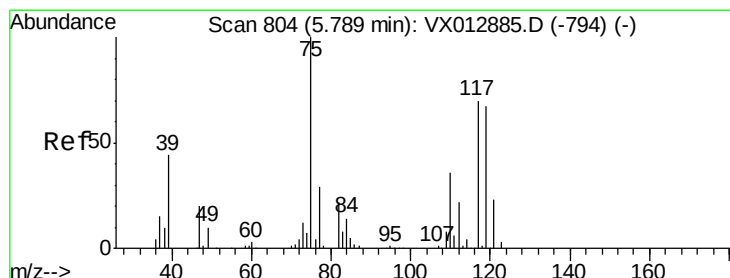
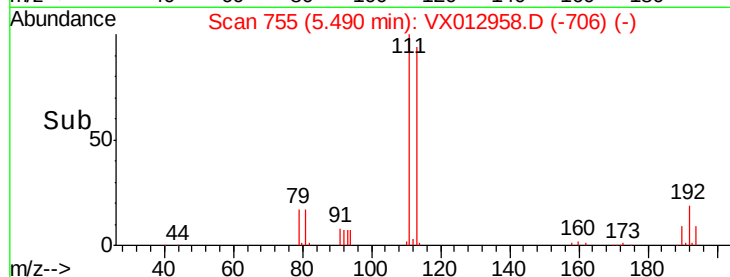
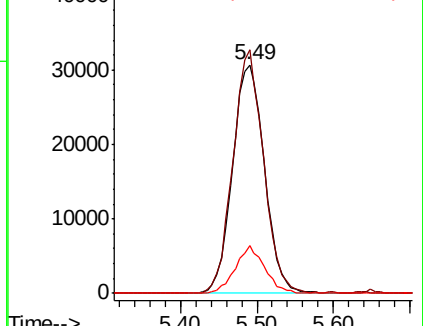
192 18.9 15.4 23.2



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: 5.450 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

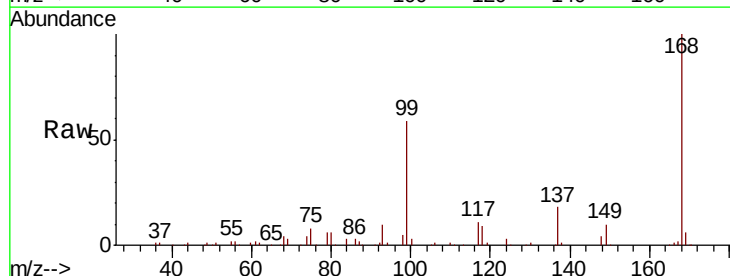
Tgt Ion: 75 Resp: 14236

Ion Ratio Lower Upper

75 100

110 9.4 17.6 52.9#

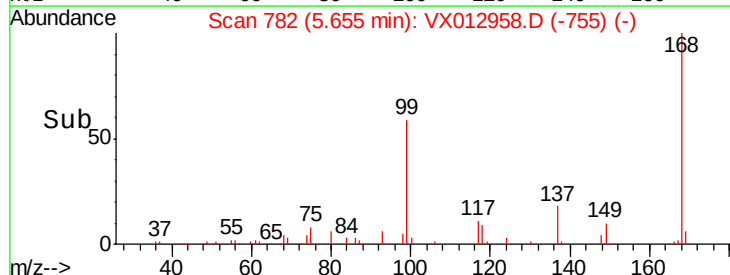
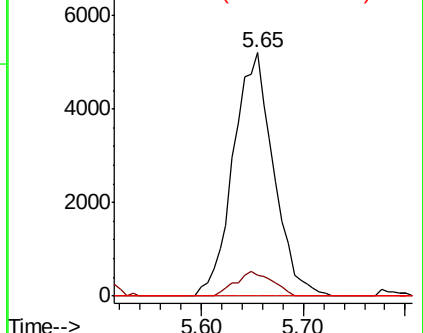
77 0.0 24.4 36.6#

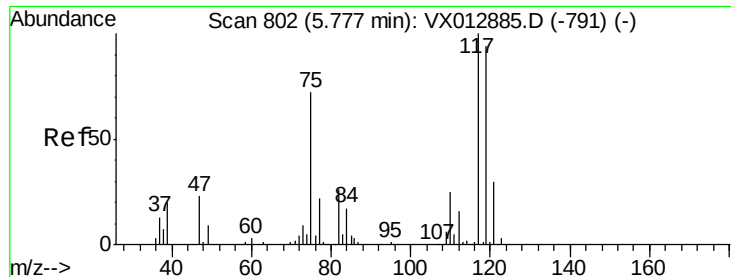


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

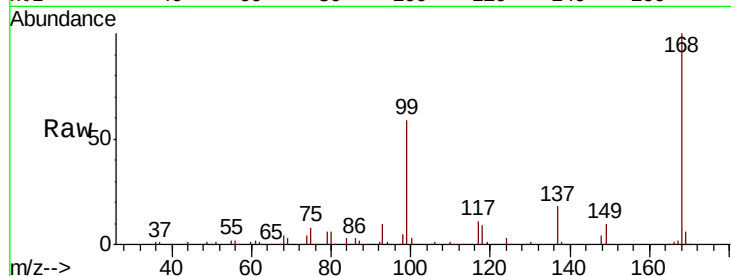




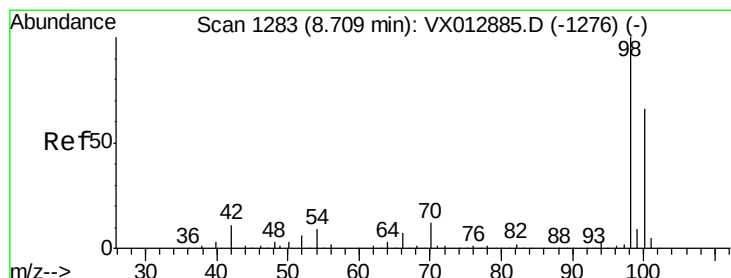
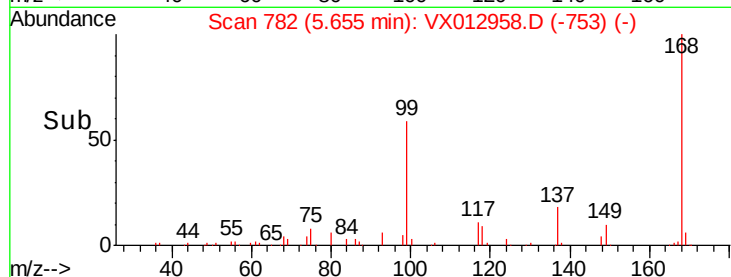
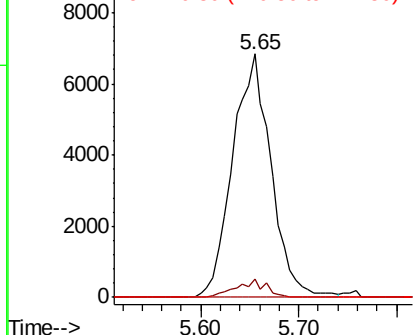
#38
Carbon Tetrachloride
Concen: 7.332 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012958.D
Acq: 09 Oct 2019 21:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18642
Ion Ratio Lower Upper
117 100
119 7.4 74.5 111.7#
121 0.0 24.2 36.4#

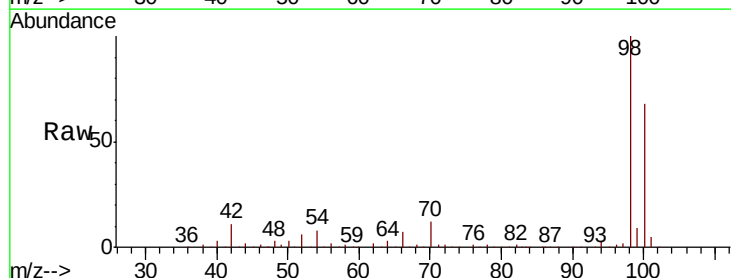


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

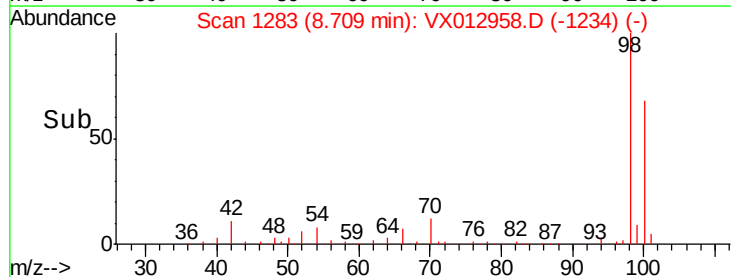
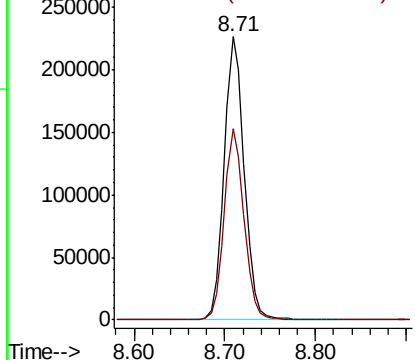


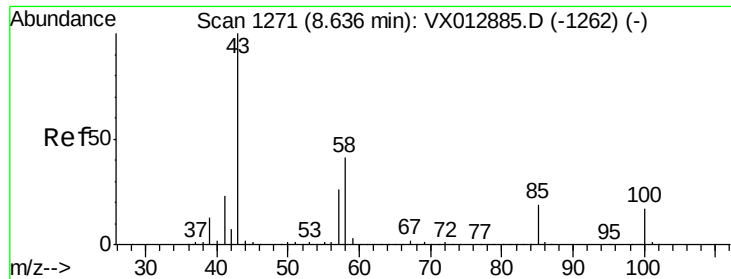
#50
Toluene-d8
Concen: 52.451 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012958.D
Acq: 09 Oct 2019 21:57

Tgt Ion: 98 Resp: 348846
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.537 ug/l

RT: 8.72 min Scan# 1284

Delta R.T. 0.08 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

Instrument :

MSVOA_X

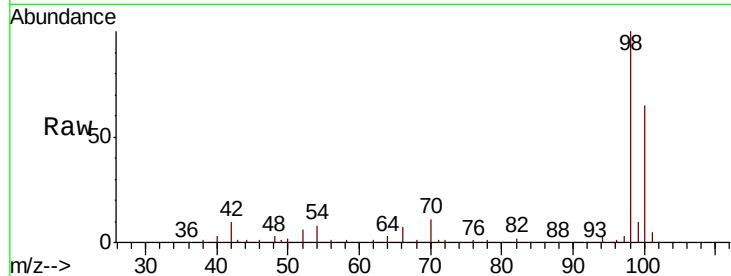
ClientSampleId :

Tot Ion: 43 Resp: 1570

Ion Ratio Lower Upper

43 100

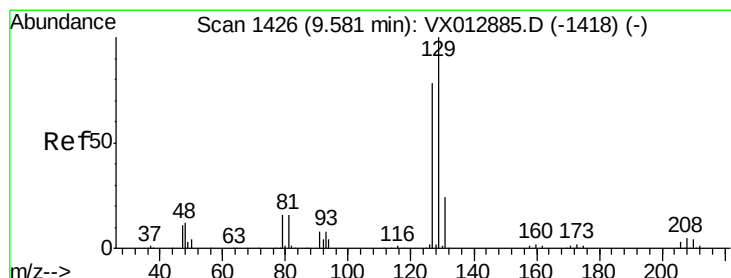
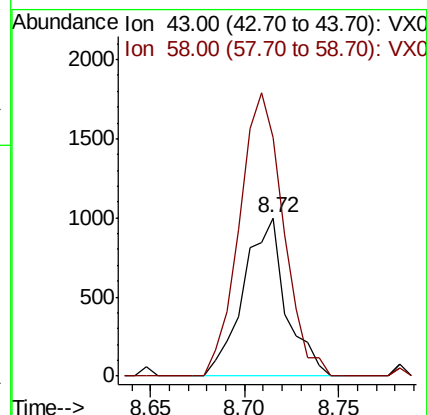
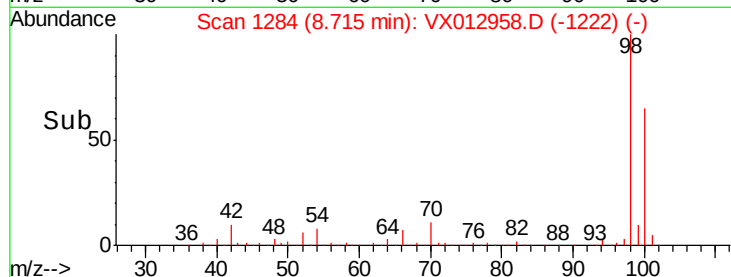
58 184.4 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX012885.D (-1262) (-)

Ion 58.00 (57.70 to 58.70): VX012885.D (-1262) (-)

8.72



#60

Dibromochloromethane

Concen: 1.892 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. -0.26 min

Lab File: VX012958.D

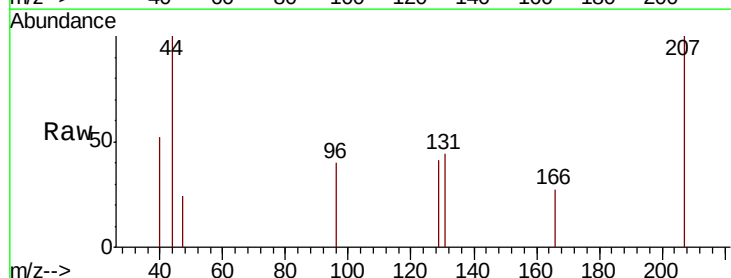
Acq: 09 Oct 2019 21:57

Tgt Ion: 129 Resp: 78

Ion Ratio Lower Upper

129 100

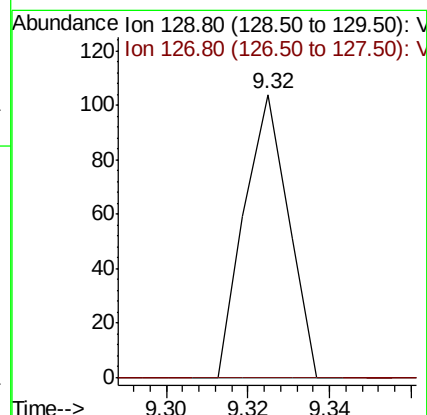
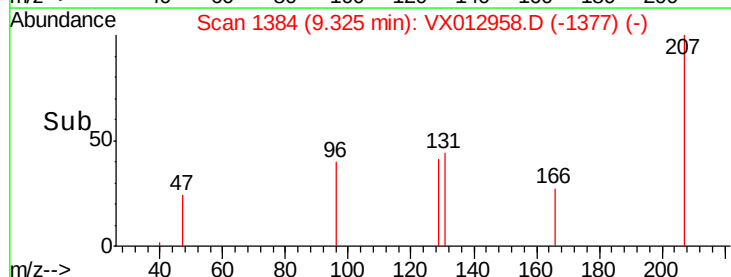
127 0.0 38.9 116.7#

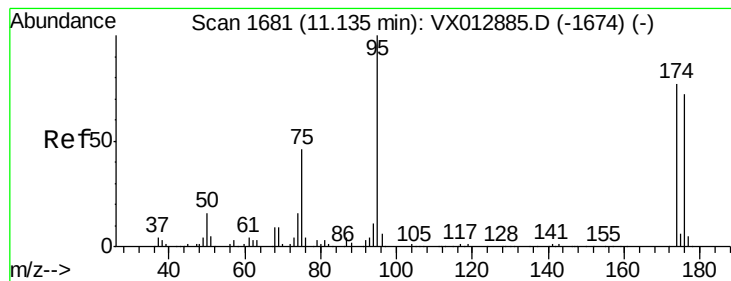


Abundance Ion 128.80 (128.50 to 129.50): VX012885.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX012885.D (-1418) (-)

9.32





#62

4-Bromofluorobenzene

Concen: 44.552 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

Instrument :

MSVOA_X

ClientSampled :

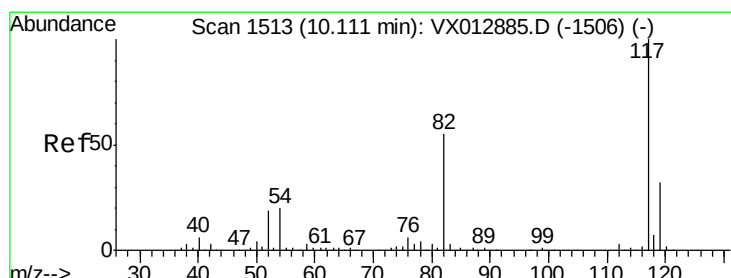
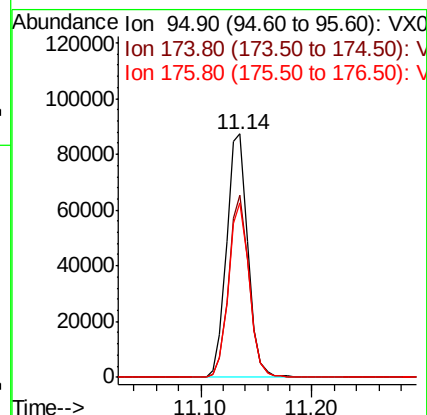
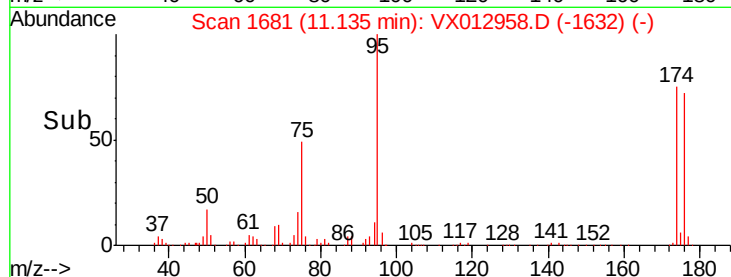
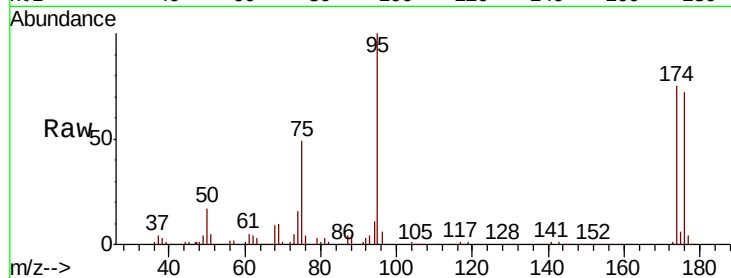
Tot Ion: 95 Resp: 115134

Ion Ratio Lower Upper

95 100

174 71.8 0.0 143.4

176 69.7 0.0 136.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

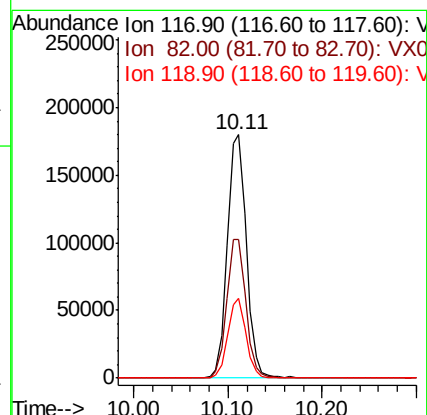
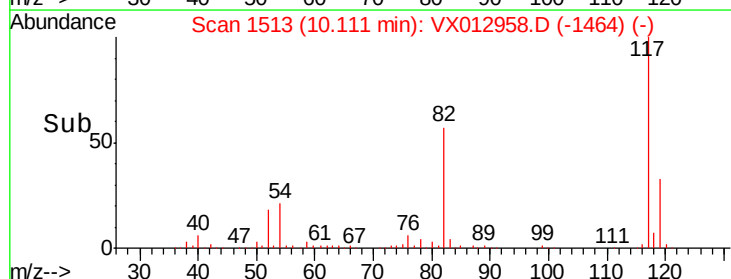
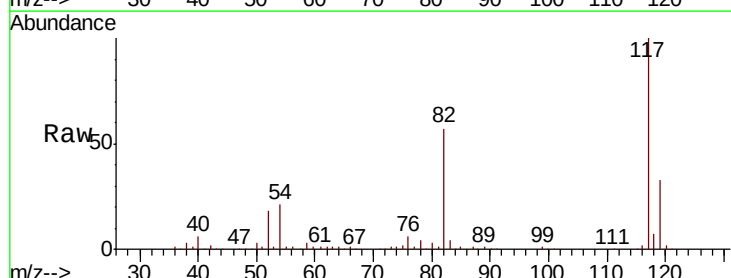
Tgt Ion: 117 Resp: 252390

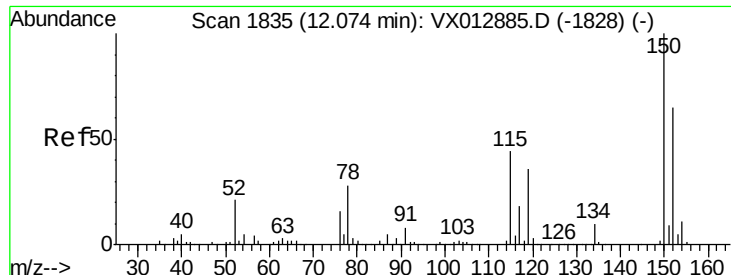
Ion Ratio Lower Upper

117 100

82 56.8 44.1 66.1

119 32.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

Instrument :

MSVOA_X

ClientSampleId :

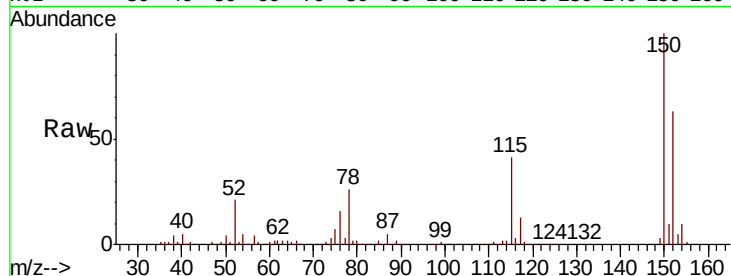
Tot Ion:152 Resp: 93980

Ion Ratio Lower Upper

152 100

115 64.4 44.5 133.5

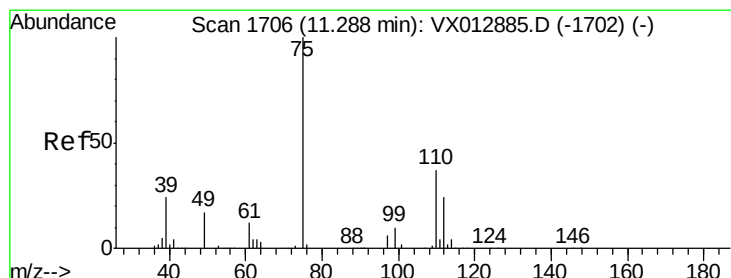
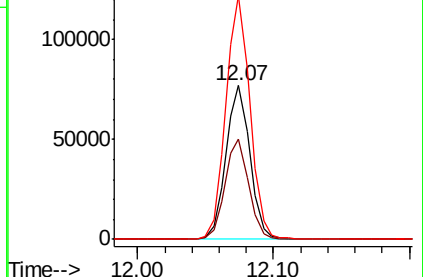
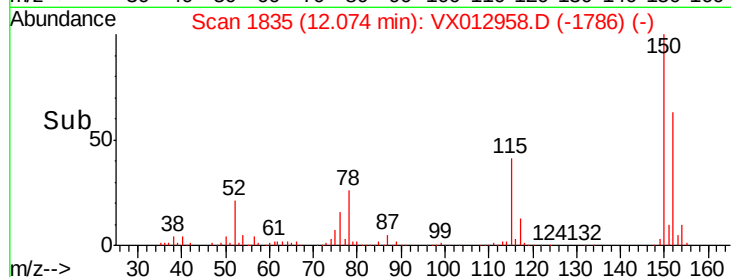
150 158.4 0.0 353.4



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: 27.780 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012958.D

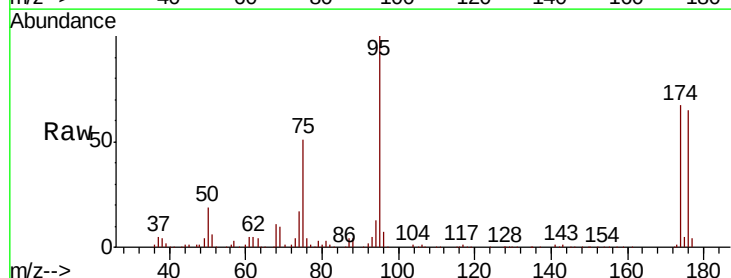
Acq: 09 Oct 2019 21:57

Tgt Ion: 75 Resp: 57907

Ion Ratio Lower Upper

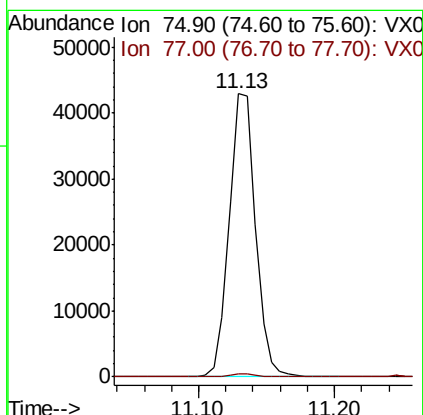
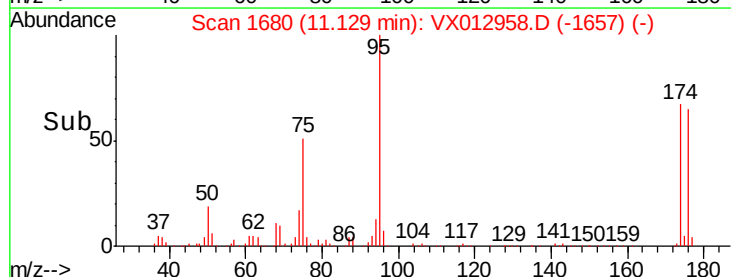
75 100

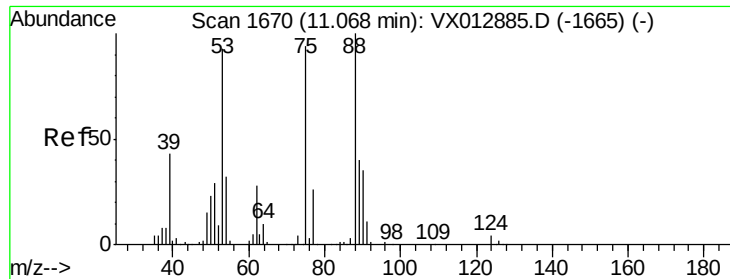
77 1.2 22.9 68.8#



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: 69.685 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012958.D

Acq: 09 Oct 2019 21:57

Instrument :

MSVOA_X

ClientSampleId :

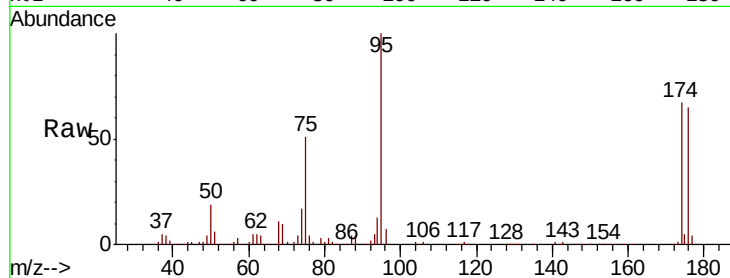
Tot Ion: 75 Resp: 57907

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

