

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081319\
 Data File : VX011540.D
 Acq On : 13 Aug 2019 16:51
 Operator : JC/SP
 Sample : K4336-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190812

Quant Time: Aug 14 01:09:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	203831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	273072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125408	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113186	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	5.49	113	92935	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	8.71	98	356226	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
62) 4-Bromofluorobenzene	11.13	95	121152	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	

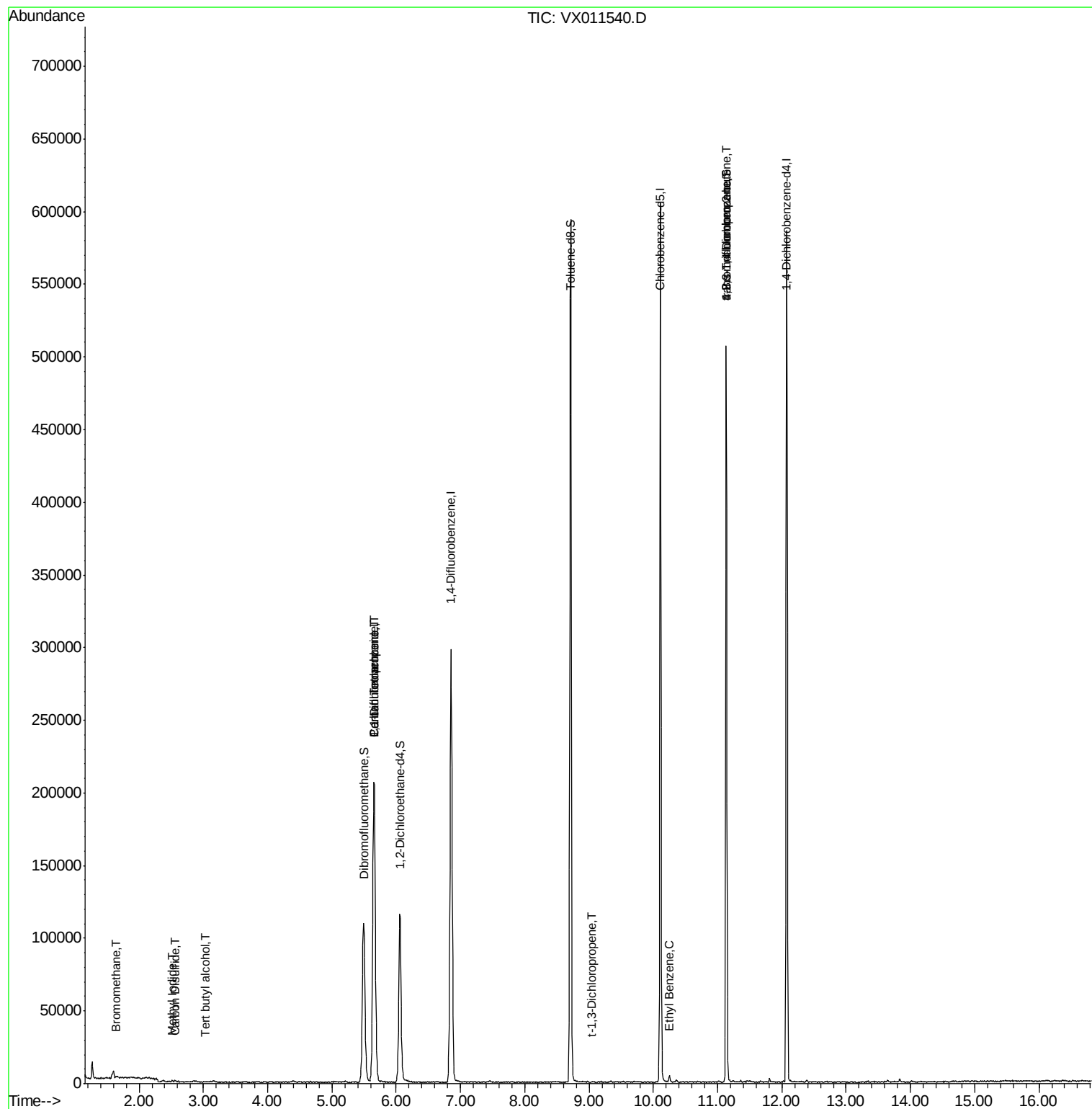
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	667	0.481	ug/l #	74
6) Chloroethane	1.69	64	413	Below Cal		93
10) Methyl Iodide	2.51	142	681	0.289	ug/l	94
11) Tert butyl alcohol	3.03	59	108	0.287	ug/l #	72
13) Acrolein	2.30	56	24	Below Cal	#	1
17) Carbon Disulfide	2.56	76	910	0.209	ug/l #	90
36) 1,1-Dichloropropene	5.65	75	14140	5.302	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19830	7.390	ug/l #	14
53) t-1,3-Dichloropropene	9.05	75	25	2.846	ug/l #	43
67) Ethyl Benzene	10.25	91	2083	0.212	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	63047	27.606	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	63047	71.568	ug/l #	10

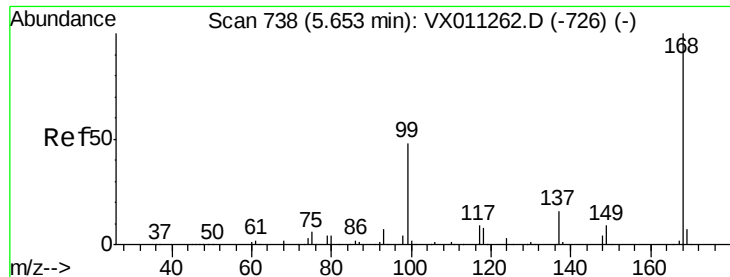
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
TB-01-190812

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011540.D

Acq: 13 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

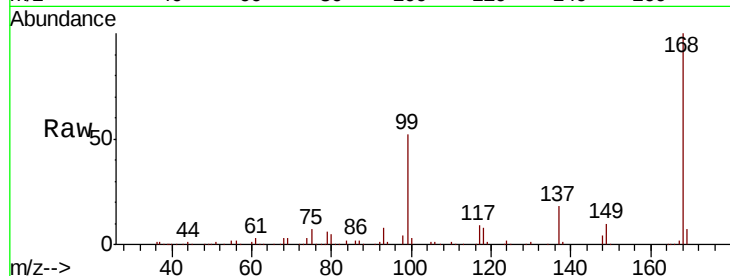
TB-01-190812

Tgt Ion:168 Resp: 203831

Ion Ratio Lower Upper

168 100

99 51.7 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

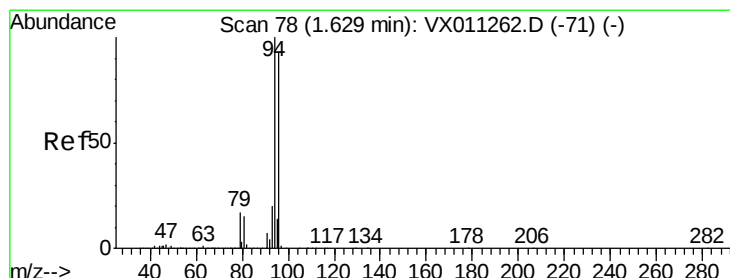
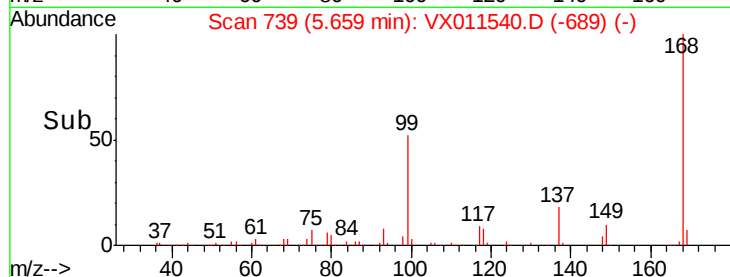
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.481 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011540.D

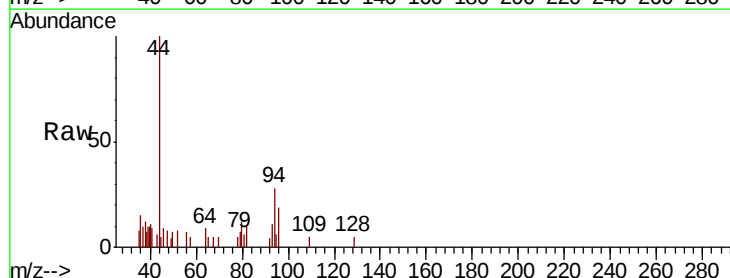
Acq: 13 Aug 2019 16:51

Tgt Ion: 94 Resp: 667

Ion Ratio Lower Upper

94 100

96 68.6 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

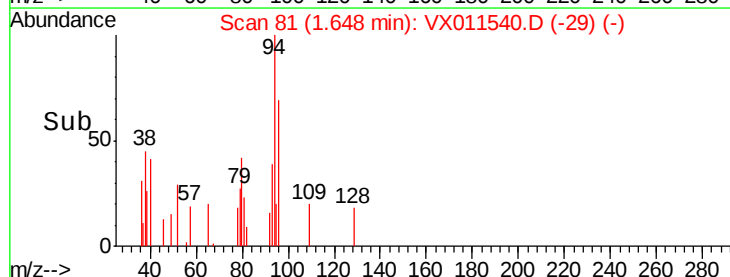
300

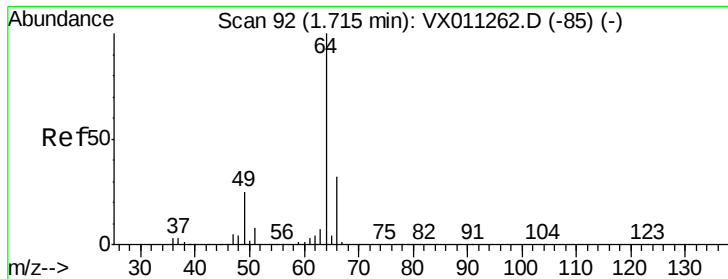
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX011540.D

Acq: 13 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

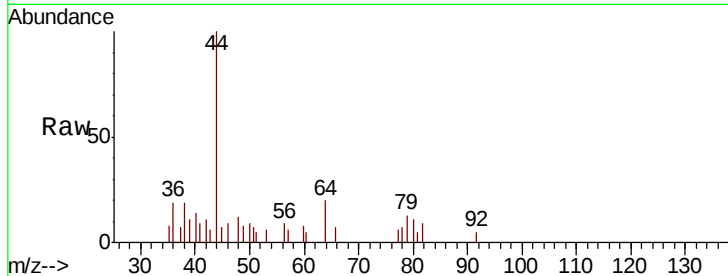
TB-01-190812

Tgt Ion: 64 Resp: 413

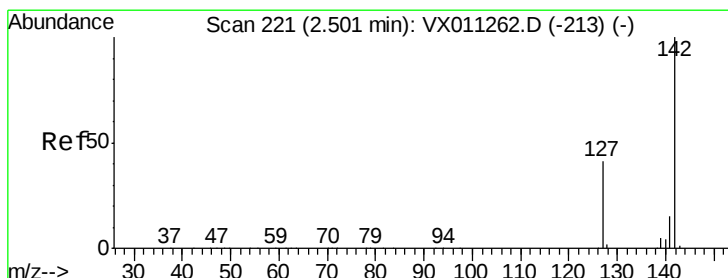
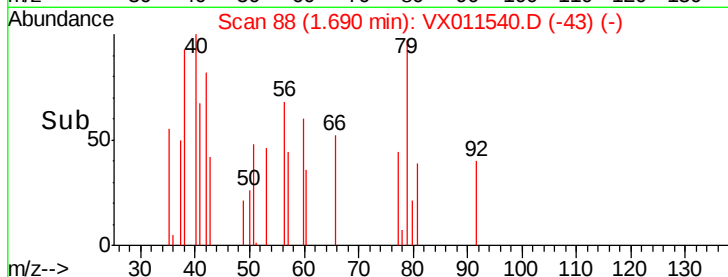
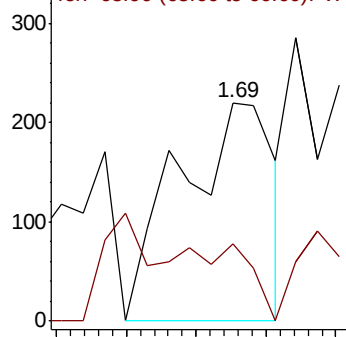
Ion Ratio Lower Upper

64 100

66 35.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX011262.D (-85) (-)



#10

Methyl Iodide

Concen: 0.289 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011540.D

Acq: 13 Aug 2019 16:51

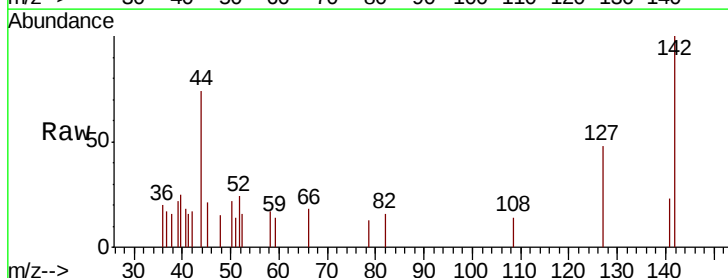
Tgt Ion: 142 Resp: 681

Ion Ratio Lower Upper

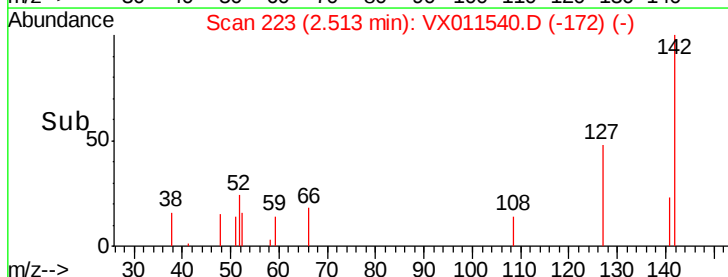
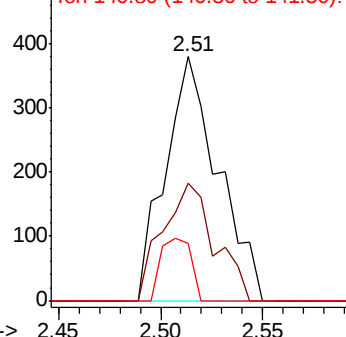
142 100

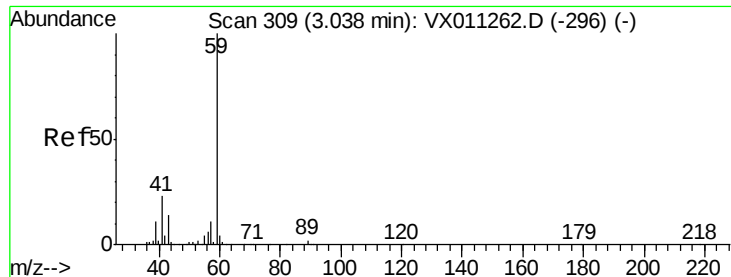
127 47.3 33.8 50.8

141 14.4 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): VX011262.D (-213) (-)

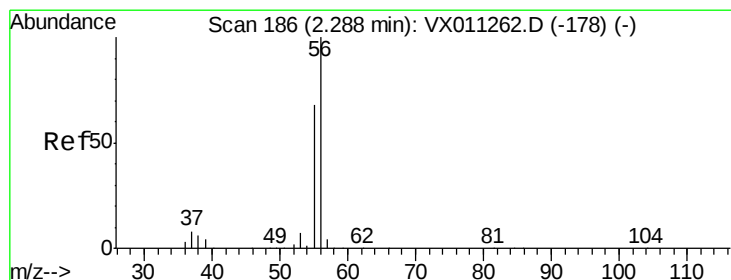
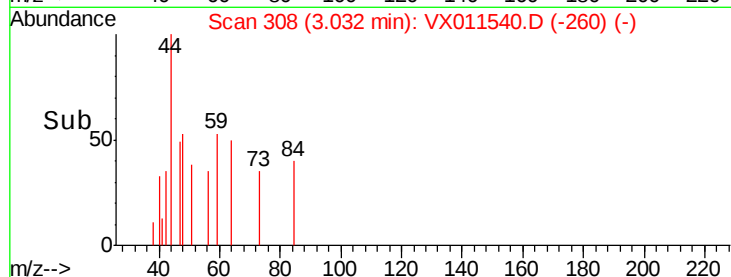
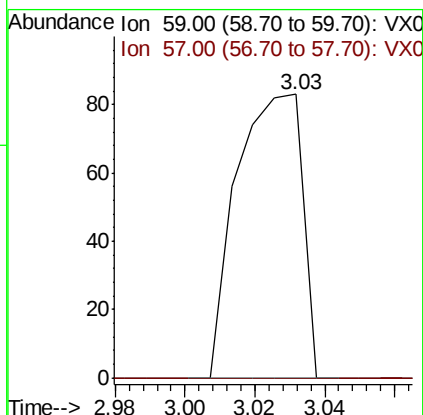
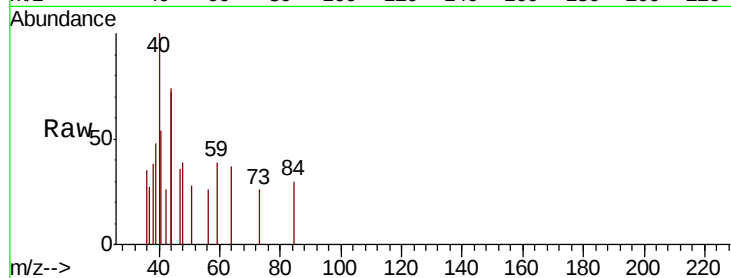




#11
Tert butyl alcohol
Concen: 0.287 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011540.D
Acq: 13 Aug 2019 16:51

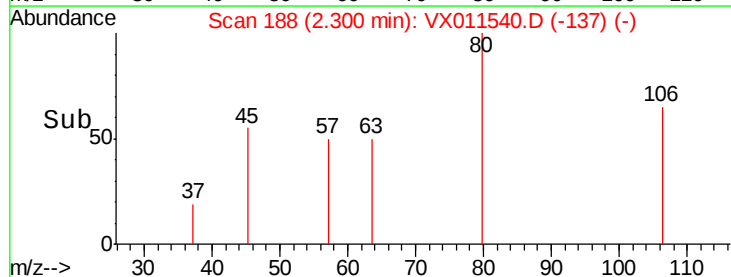
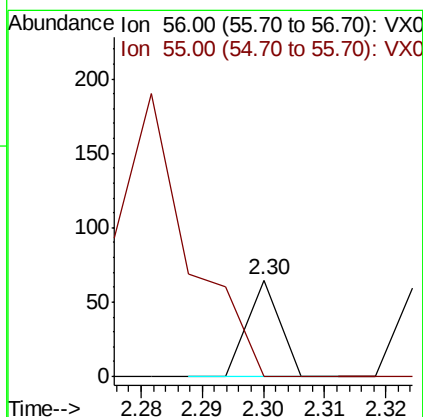
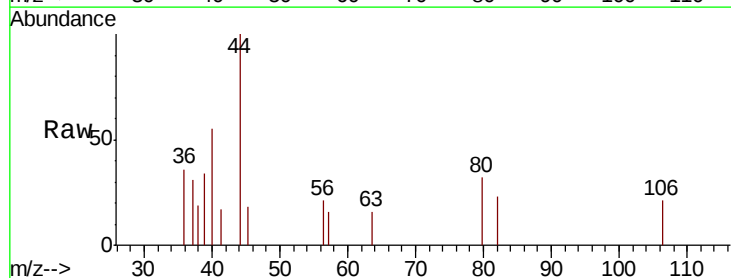
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190812

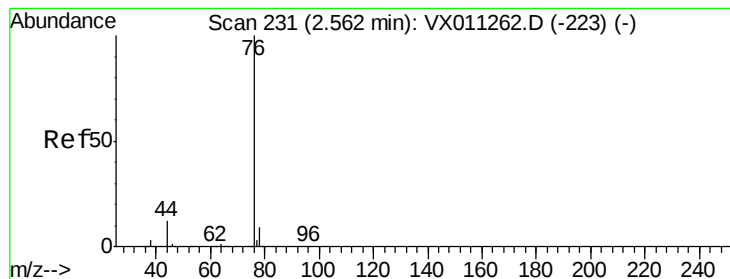
Tgt Ion: 59 Resp: 108
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX011540.D
Acq: 13 Aug 2019 16:51

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 629.2 56.0 84.0#





#17

Carbon Disulfide

Concen: 0.209 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011540.D

Acq: 13 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

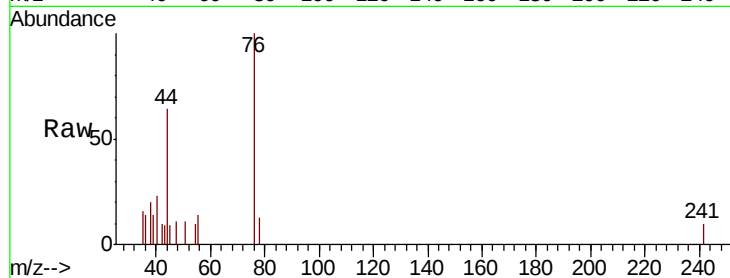
TB-01-190812

Tgt Ion: 76 Resp: 910

Ion Ratio Lower Upper

76 100

78 12.9 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

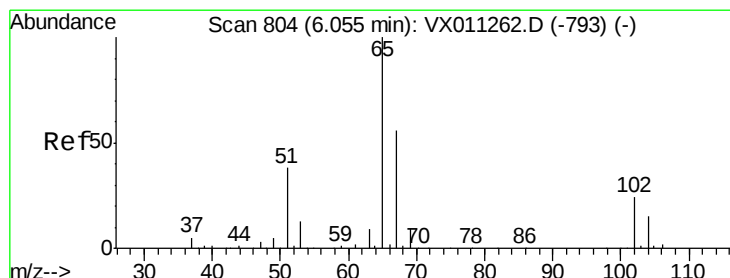
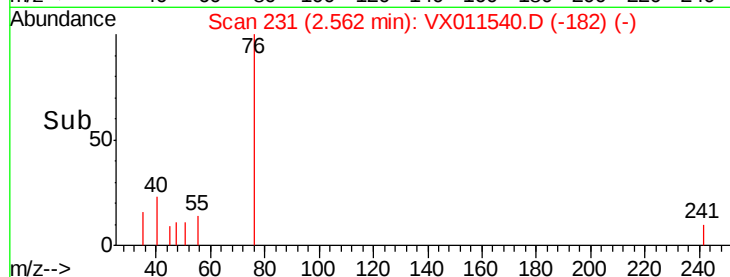
600

400

200

0

Time--> 2.50 2.55 2.60



#33

1,2-Dichloroethane-d4

Concen: 55.140 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011540.D

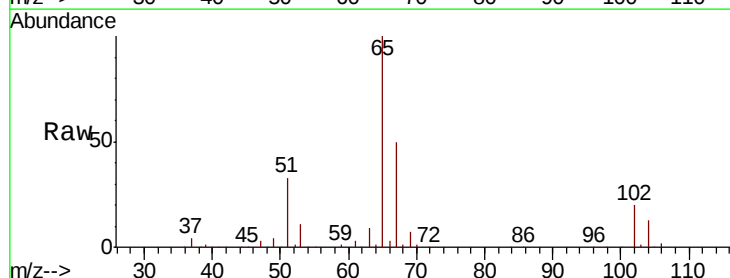
Acq: 13 Aug 2019 16:51

Tgt Ion: 65 Resp: 113186

Ion Ratio Lower Upper

65 100

67 51.1 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

50000

40000

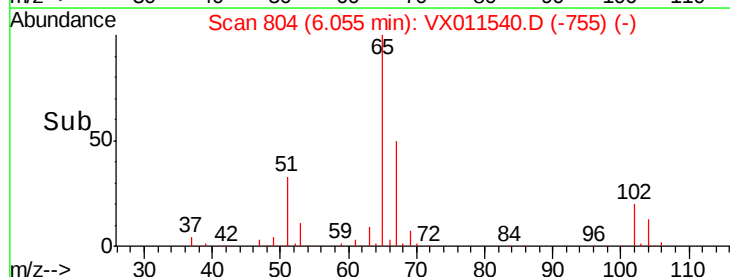
30000

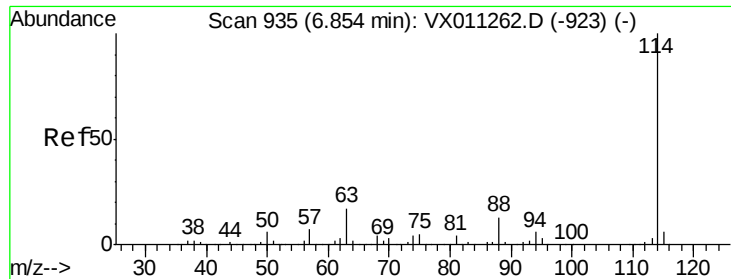
20000

10000

0

Time--> 5.90 6.00 6.10 6.20

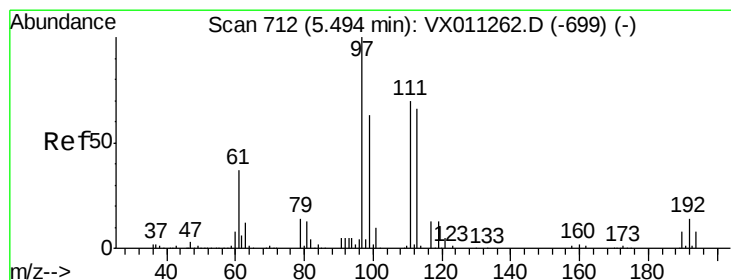
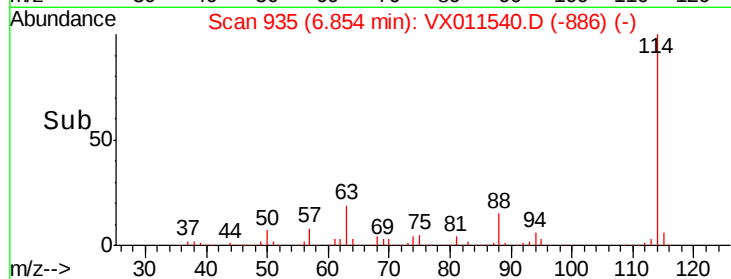
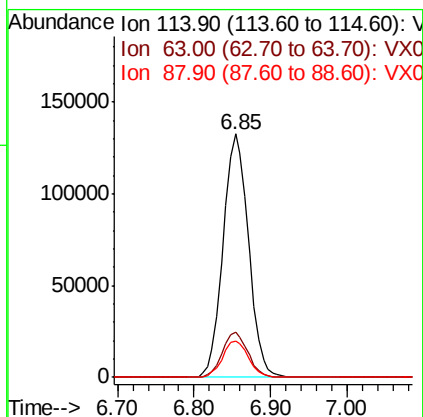
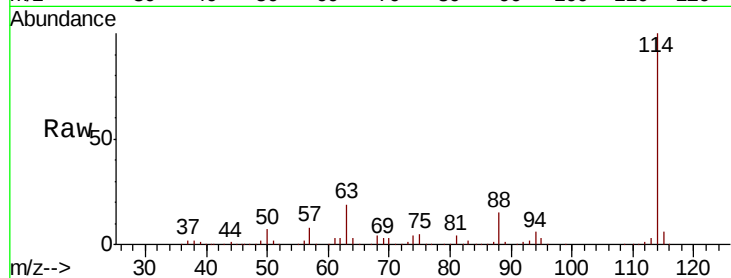




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011540.D
 Acq: 13 Aug 2019 16:51

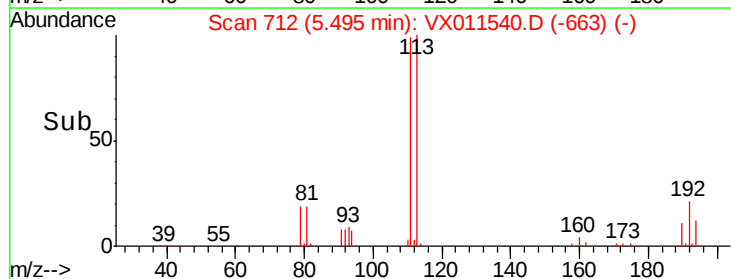
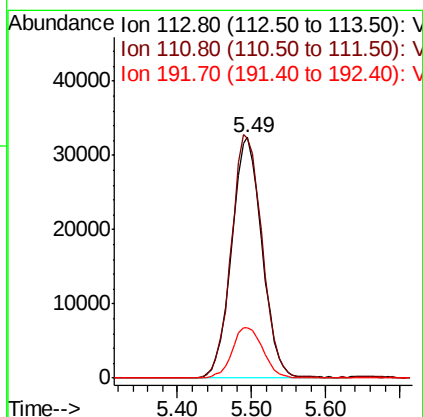
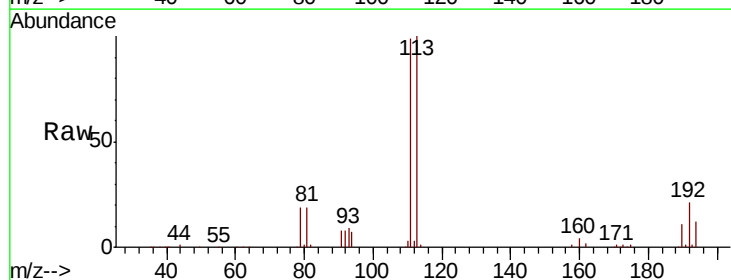
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190812

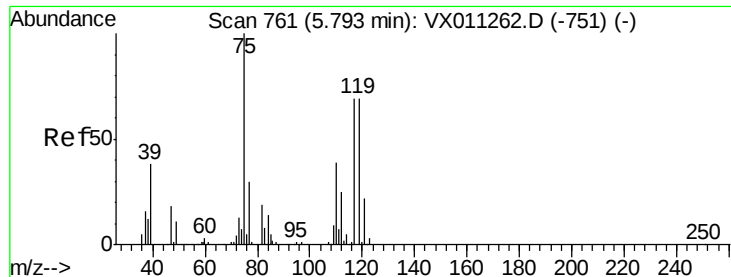
Tgt Ion:114 Resp: 305481
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.0
 88 14.8 0.0 26.4



#35
 Dibromofluoromethane
 Concen: 46.598 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011540.D
 Acq: 13 Aug 2019 16:51

Tgt Ion:113 Resp: 92935
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.9 122.9
 192 21.4 17.8 26.8





#36

1,1-Dichloropropene

Concen: 5.302 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011540.D

Acq: 13 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190812

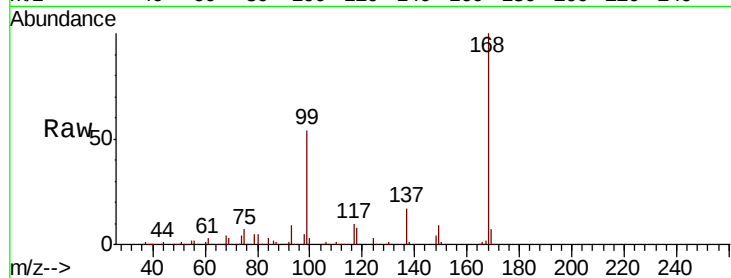
Tgt Ion: 75 Resp: 14140

Ion Ratio Lower Upper

75 100

110 11.5 20.0 59.9#

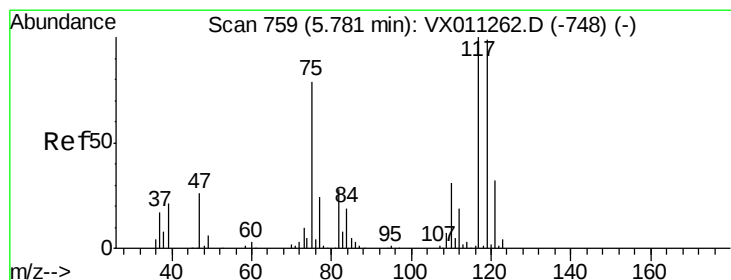
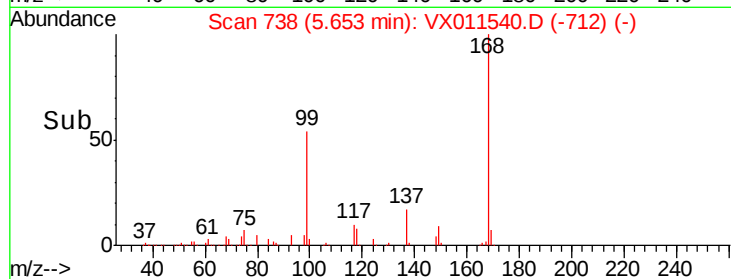
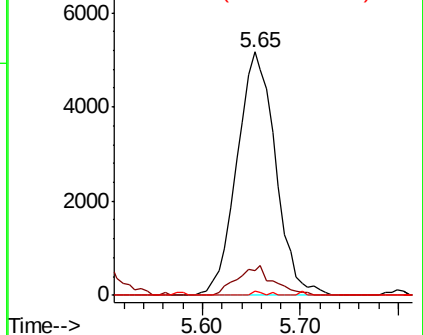
77 0.5 24.8 37.2#



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: 7.390 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011540.D

Acq: 13 Aug 2019 16:51

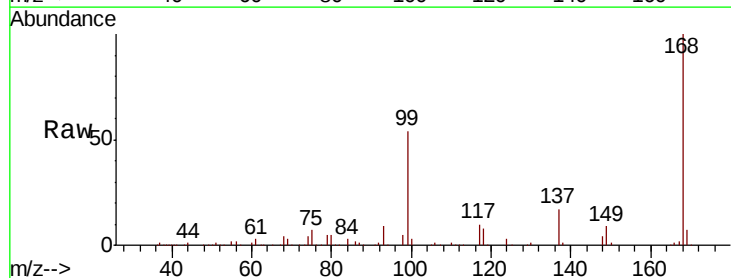
Tgt Ion: 117 Resp: 19830

Ion Ratio Lower Upper

117 100

119 4.1 79.0 118.4#

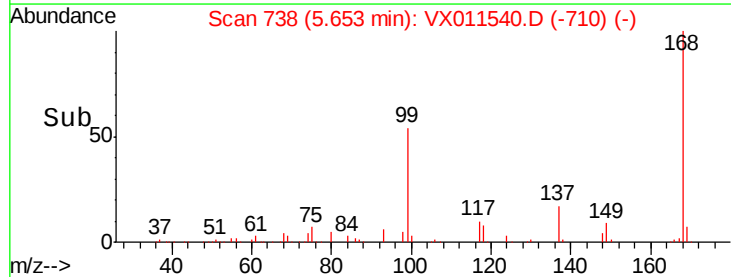
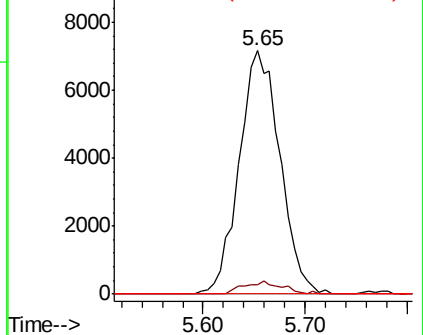
121 0.0 25.9 38.9#

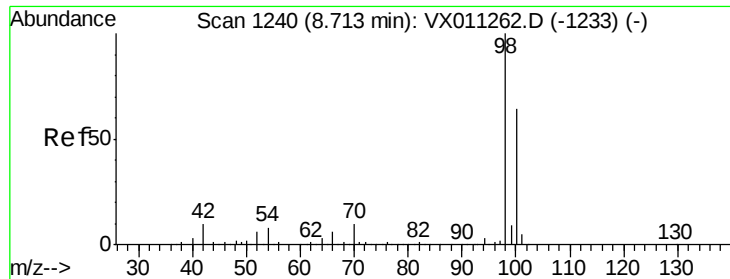


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 47.318 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011540.D

Acq: 13 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampled :

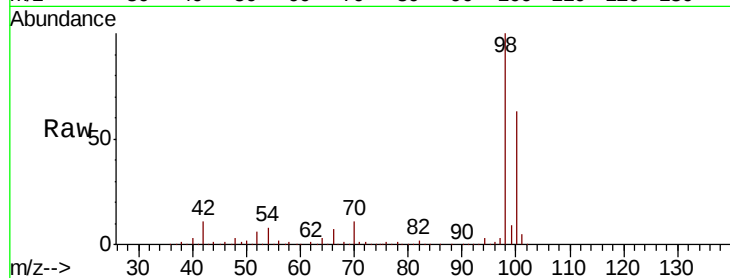
TB-01-190812

Tgt Ion: 98 Resp: 356226

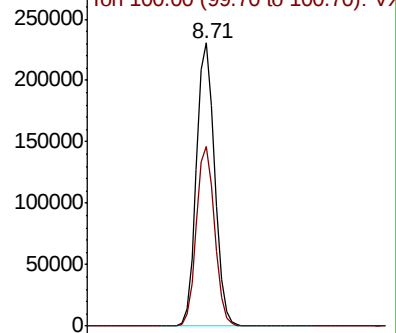
Ion Ratio Lower Upper

98 100

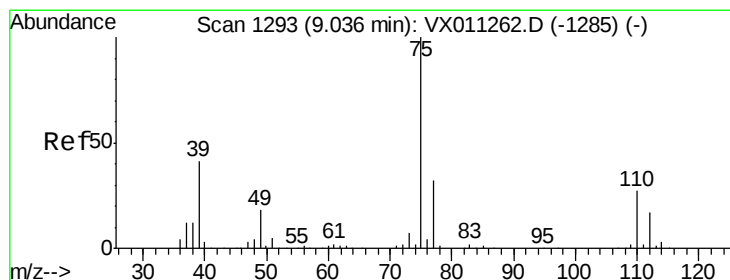
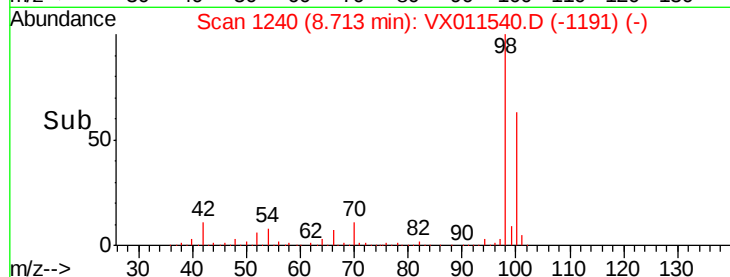
100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX011262.D (-1233) (-)



Time-->



#53

t-1,3-Dichloropropene

Concen: 2.846 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX011540.D

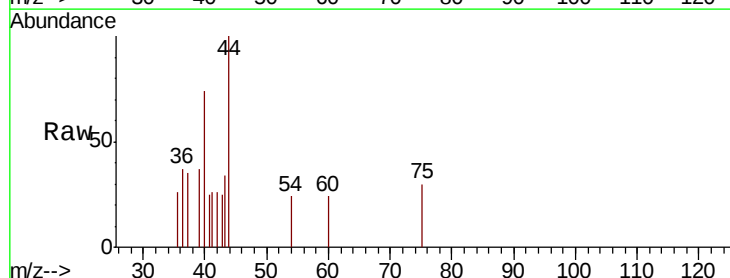
Acq: 13 Aug 2019 16:51

Tgt Ion: 75 Resp: 25

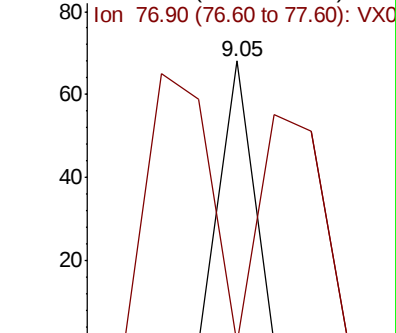
Ion Ratio Lower Upper

75 100

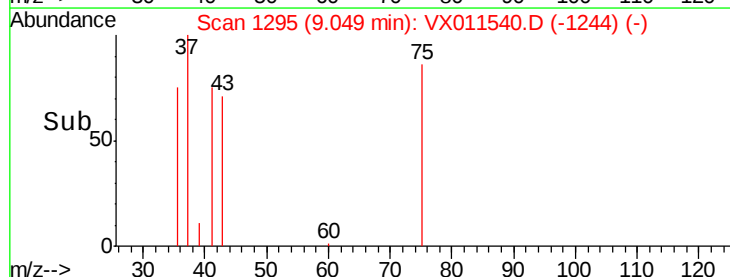
77 0.0 25.4 38.0#

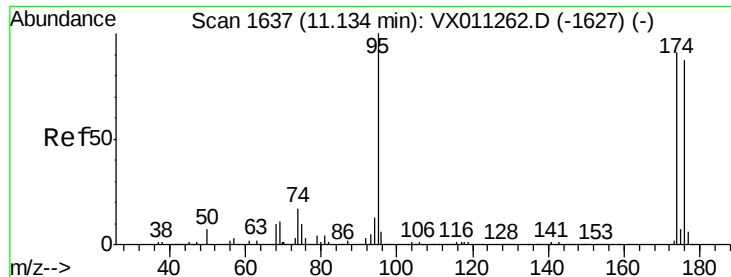


Abundance Ion 74.90 (74.60 to 75.60): VX011262.D (-1285) (-)



Time-->

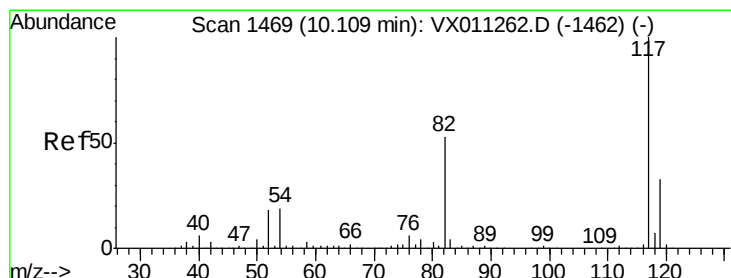
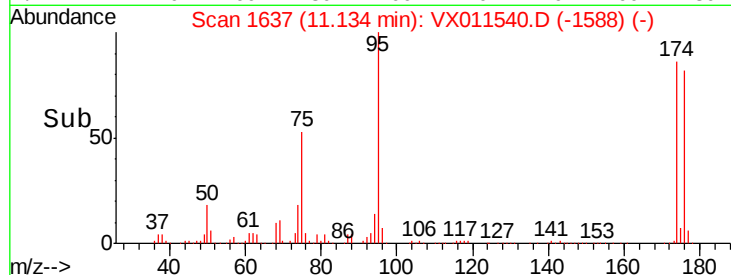
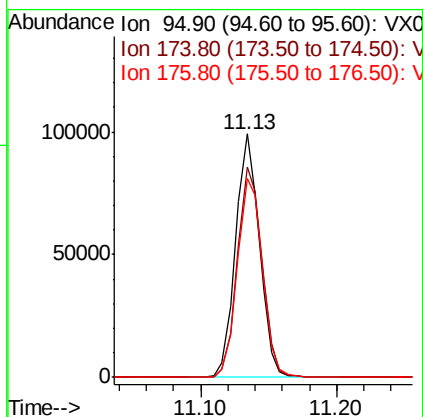
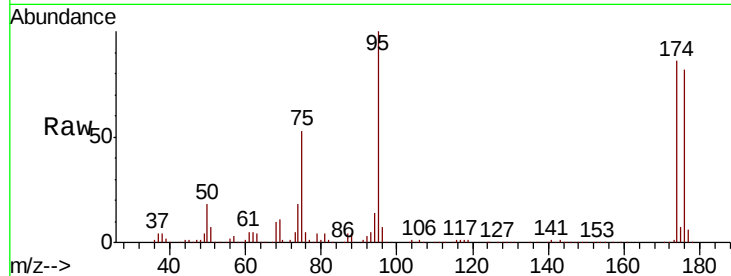




#62
4-Bromofluorobenzene
Concen: 45.074 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011540.D
Acq: 13 Aug 2019 16:51

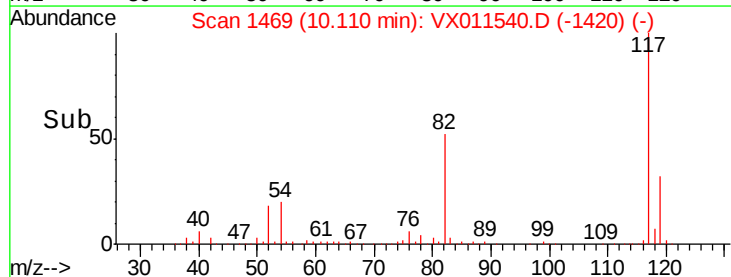
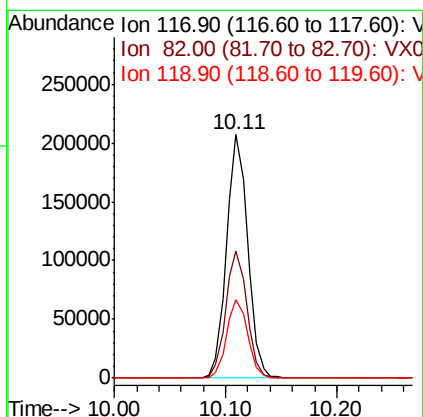
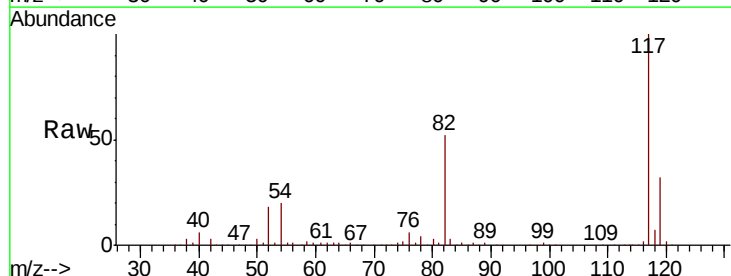
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190812

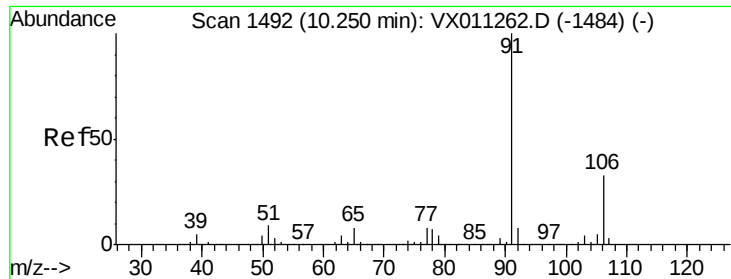
Tgt Ion: 95 Resp: 121152
Ion Ratio Lower Upper
95 100
174 89.4 0.0 191.2
176 85.8 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011540.D
Acq: 13 Aug 2019 16:51

Tgt Ion: 117 Resp: 273072
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.2
119 32.4 26.6 39.8

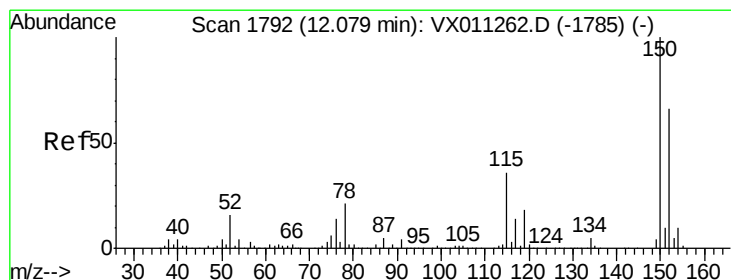
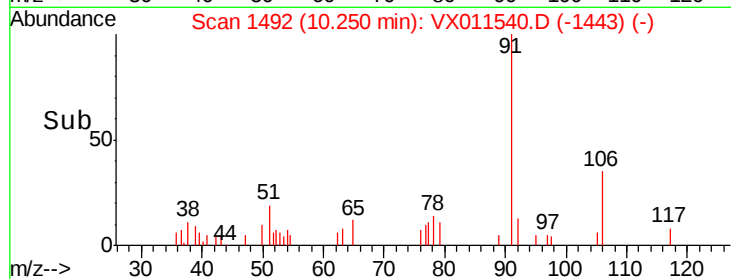
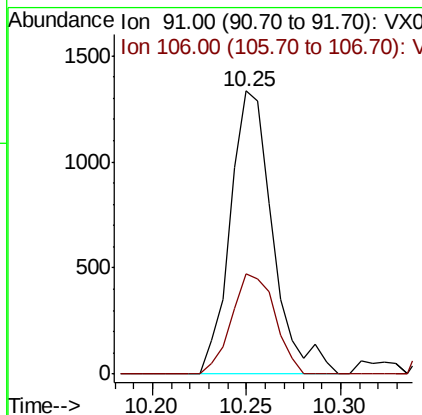
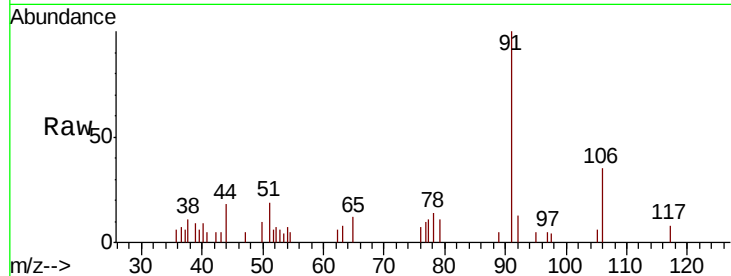




#67
Ethyl Benzene
Concen: 0.212 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011540.D
Acq: 13 Aug 2019 16:51

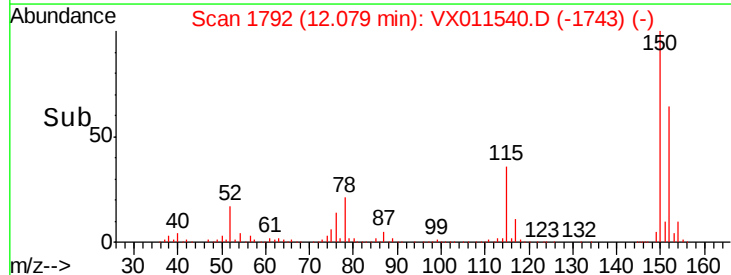
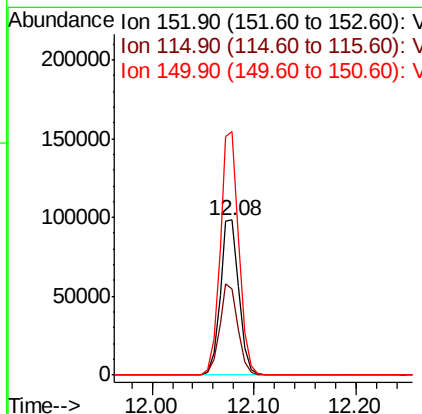
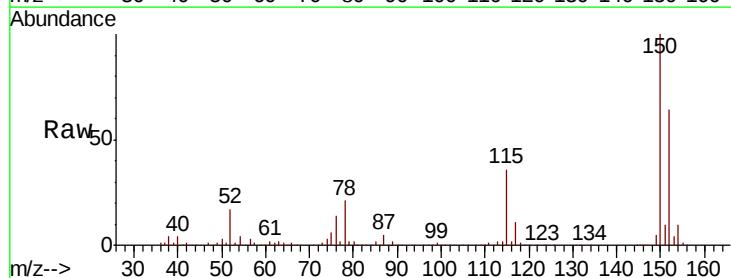
Instrument :
MSVOA_X
ClientSampled :
TB-01-190812

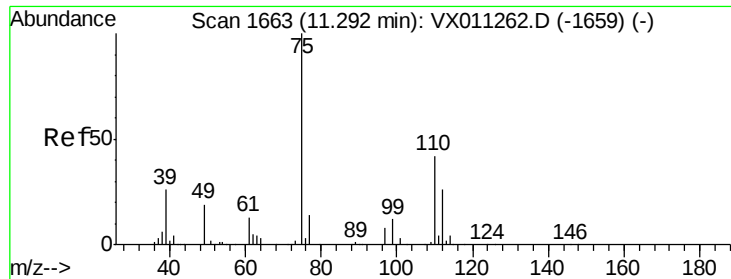
Tgt Ion: 91 Resp: 2083
Ion Ratio Lower Upper
91 100
106 35.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011540.D
Acq: 13 Aug 2019 16:51

Tgt Ion: 152 Resp: 125408
Ion Ratio Lower Upper
152 100
115 57.5 40.0 119.9
150 156.4 0.0 350.4

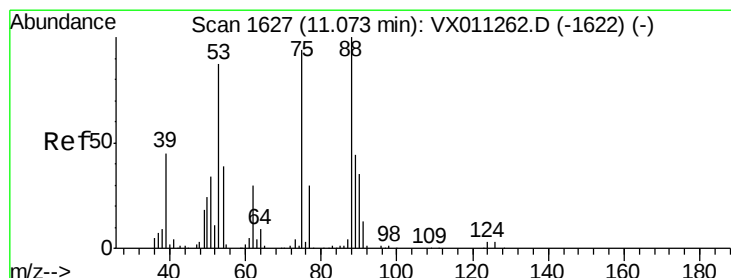
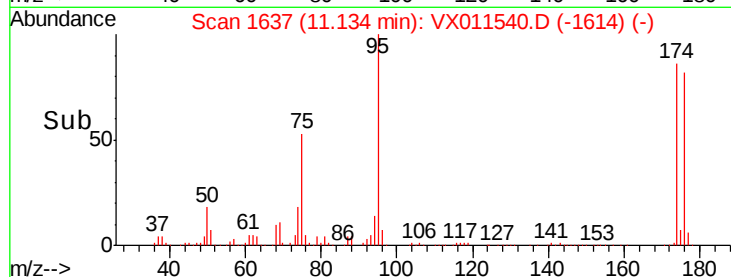
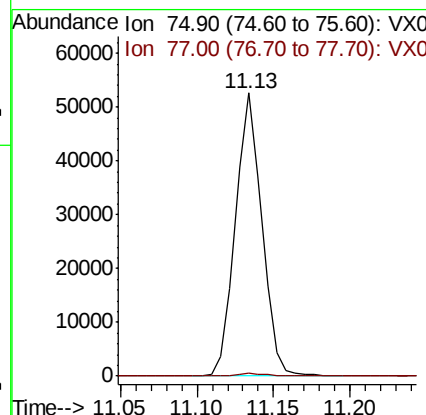
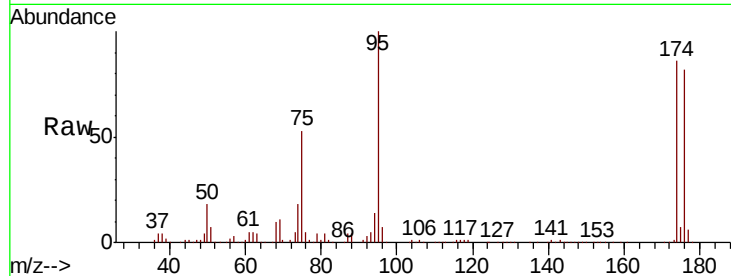




#76
 1,2,3-Trichloropropane
 Concen: 27.606 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011540.D
 Acq: 13 Aug 2019 16:51

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190812

Tgt Ion: 75 Resp: 63047
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.568 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011540.D
 Acq: 13 Aug 2019 16:51

Tgt Ion: 75 Resp: 63047
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 37.9 56.9#

