

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011911.D
 Acq On : 30 Aug 2019 16:26
 Operator : SY/SP
 Sample : K4475-08
 Misc : 5.47g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-C-(0)

Quant Time: Aug 31 02:03:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	416824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	565683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	509747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	257485	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	186177	46.62	ug/l	0.00
Spiked Amount						
			Recovery	=	93.24%	
35) Dibromofluoromethane	5.48	113	169674	46.78	ug/l	0.00
Spiked Amount						
			Recovery	=	93.56%	
50) Toluene-d8	8.71	98	654474	50.47	ug/l	0.00
Spiked Amount						
			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.14	95	240970	42.36	ug/l	0.00
Spiked Amount						
			Recovery	=	84.72%	

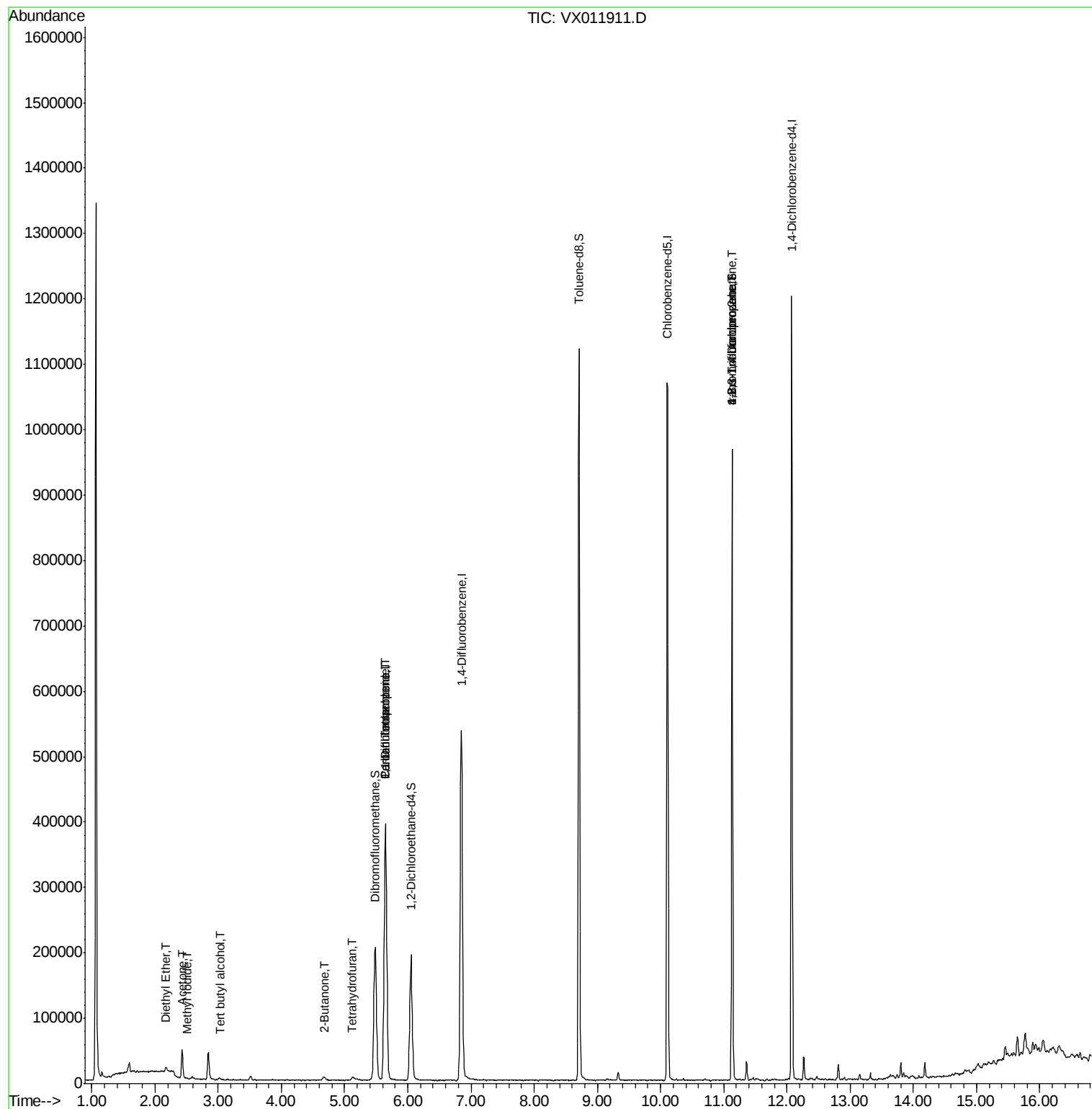
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2184	1.314	ug/l	97
10) Methyl Iodide	2.51	142	335	3.766	ug/l #	67
11) Tert butyl alcohol	3.03	59	2612	6.798	ug/l #	72
16) Acetone	2.43	43	46734	54.389	ug/l	99
25) 2-Butanone	4.68	43	1732	1.384	ug/l	94
29) Tetrahydrofuran	5.13	42	4710	6.030	ug/l	93
36) 1,1-Dichloropropene	5.64	75	24646	5.499	ug/l #	51
38) Carbon Tetrachloride	5.65	117	36084	6.942	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	118013	46.592	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	118013	117.048	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

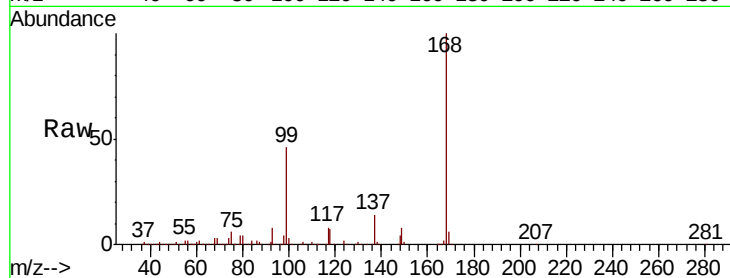
T1-2-C-(0)

Tgt Ion:168 Resp: 416824

Ion Ratio Lower Upper

168 100

99 46.2 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

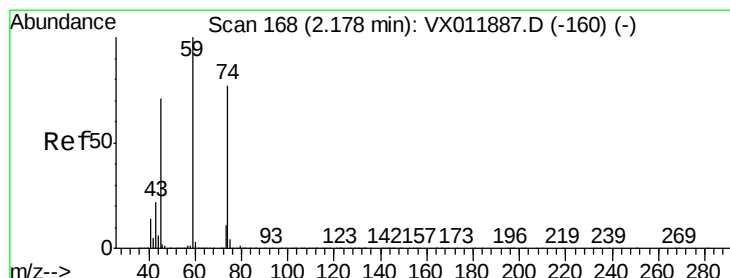
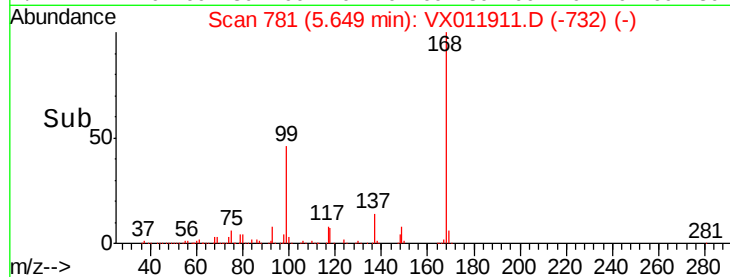
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.314 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011911.D

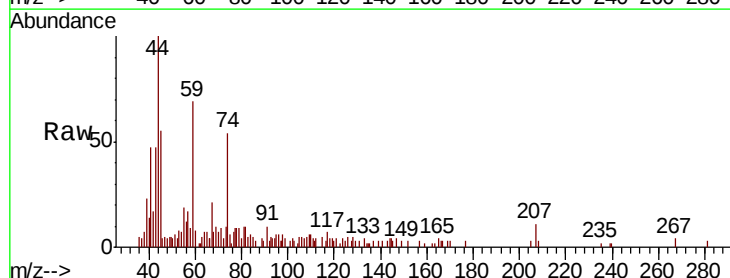
Acq: 30 Aug 2019 16:26

Tgt Ion: 74 Resp: 2184

Ion Ratio Lower Upper

74 100

45 90.3 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

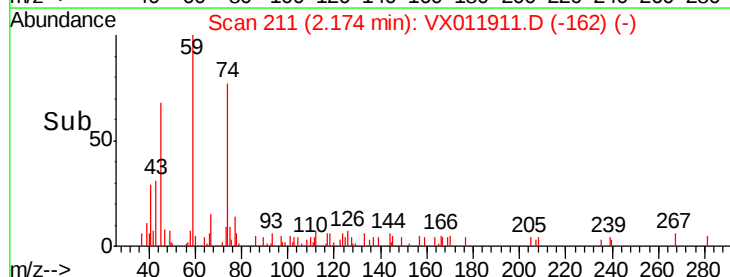
1500

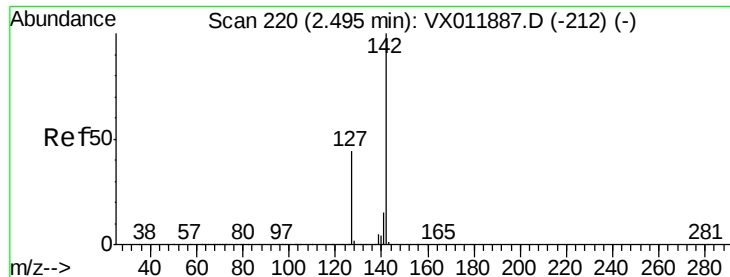
1000

500

0

Time-->

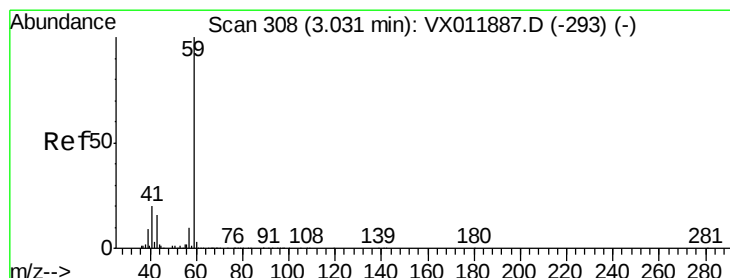
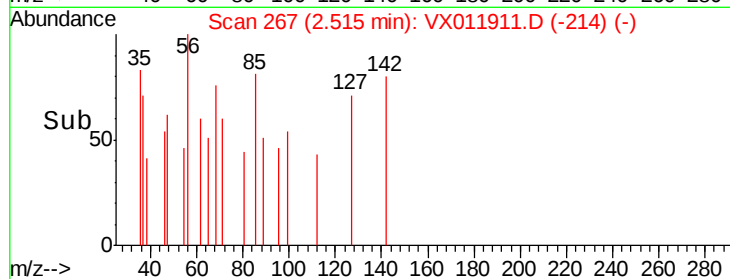
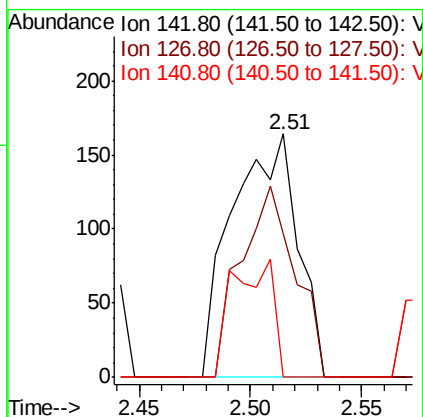
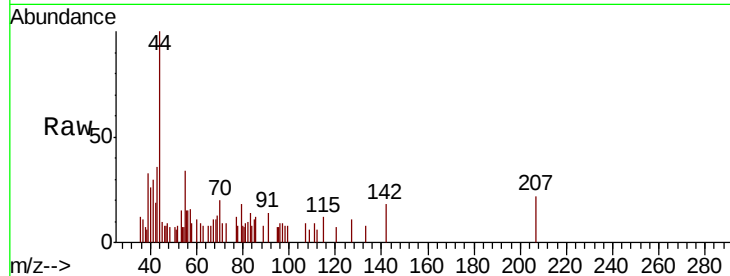




#10
Methyl Iodide
Concen: 3.766 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX011911.D
Acq: 30 Aug 2019 16:26

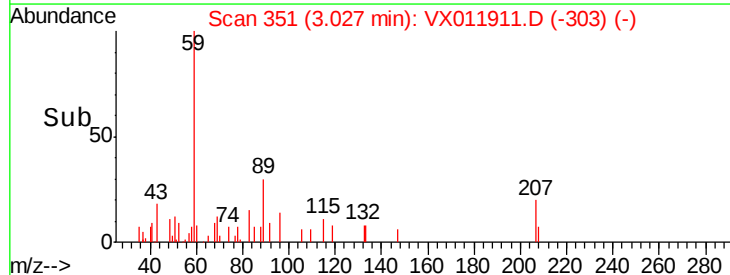
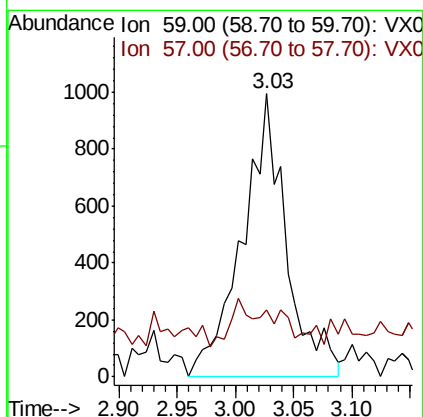
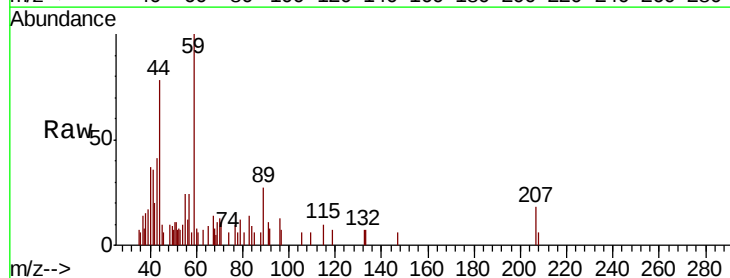
Instrument :
MSVOA_X
ClientSampleId :
T1-2-C(0)

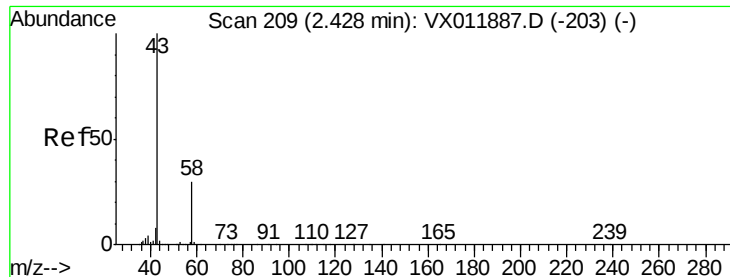
Tgt Ion: 142 Resp: 335
Ion Ratio Lower Upper
142 100
127 65.4 35.7 53.5#
141 30.1 11.8 17.6#



#11
Tert butyl alcohol
Concen: 6.798 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011911.D
Acq: 30 Aug 2019 16:26

Tgt Ion: 59 Resp: 2612
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 54.389 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

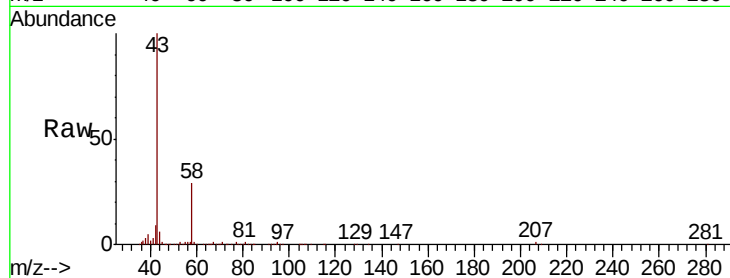
T1-2-C-(0)

Tgt Ion: 43 Resp: 46734

Ion Ratio Lower Upper

43 100

58 29.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

30000

25000

20000

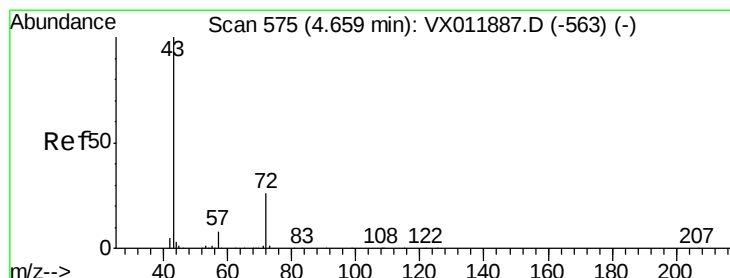
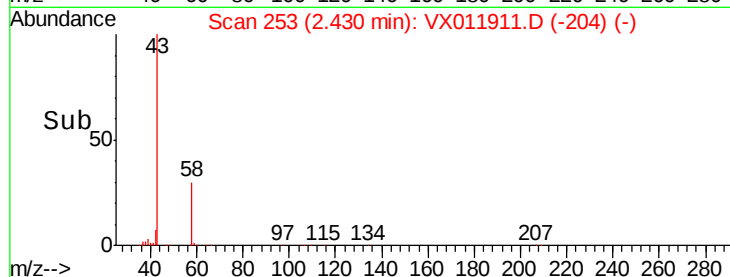
15000

10000

5000

0

Time--> 2.30 2.40 2.50



#25

2-Butanone

Concen: 1.384 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX011911.D

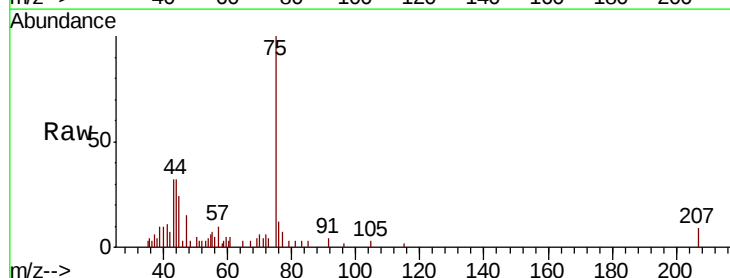
Acq: 30 Aug 2019 16:26

Tgt Ion: 43 Resp: 1732

Ion Ratio Lower Upper

43 100

72 23.1 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

800

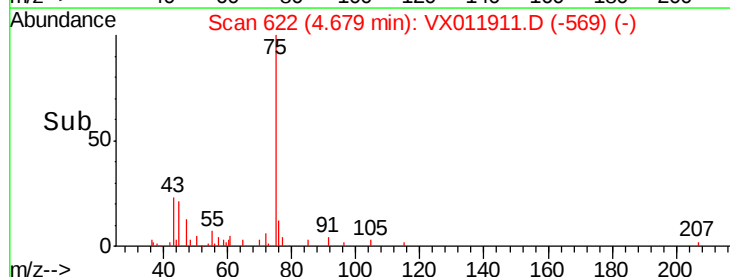
600

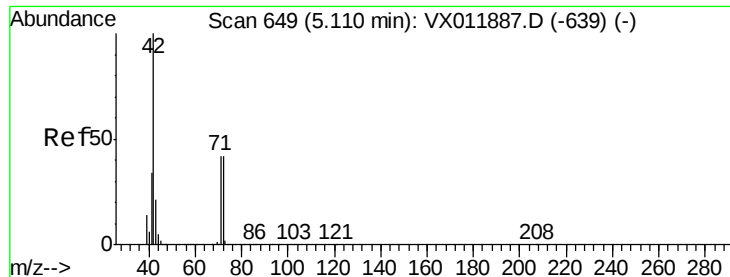
400

200

0

Time--> 4.60 4.65 4.70 4.75





#29

Tetrahydrofuran

Concen: 6.030 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

T1-2-C-(0)

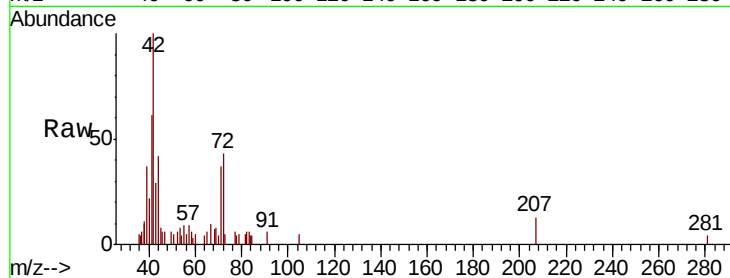
Tgt Ion: 42 Resp: 4710

Ion Ratio Lower Upper

42 100

72 50.8 36.2 54.4

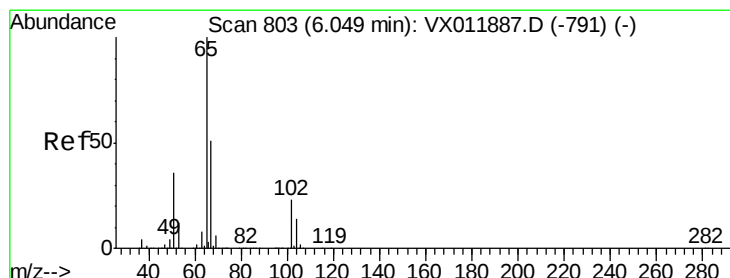
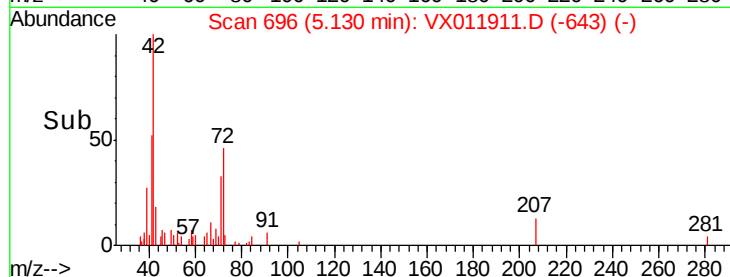
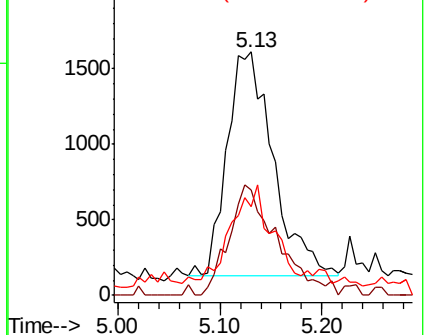
71 38.4 33.1 49.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.619 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011911.D

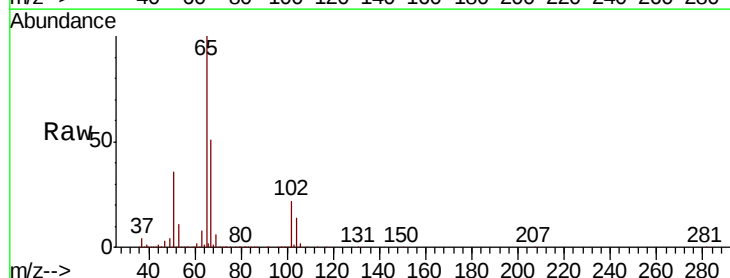
Acq: 30 Aug 2019 16:26

Tgt Ion: 65 Resp: 186177

Ion Ratio Lower Upper

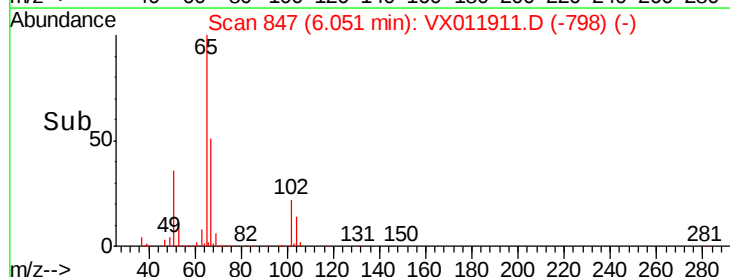
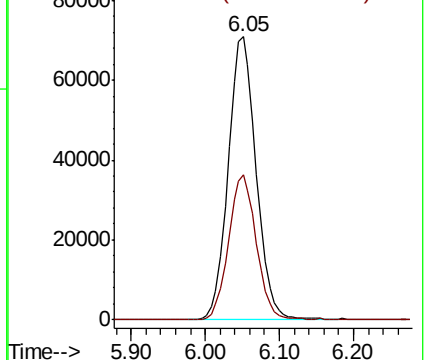
65 100

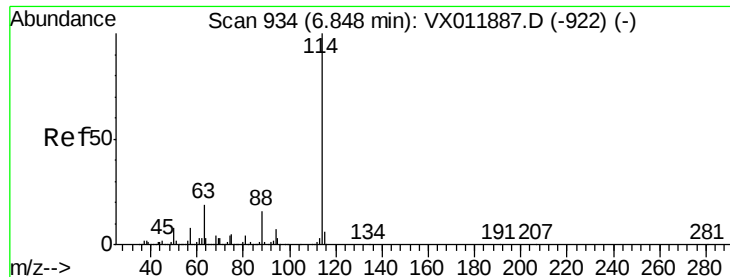
67 50.5 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

T1-2-C-(0)

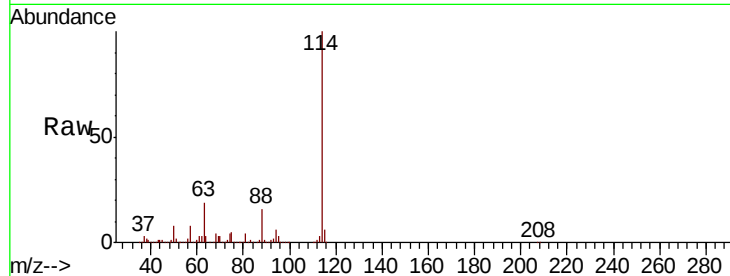
Tgt Ion:114 Resp: 565683

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

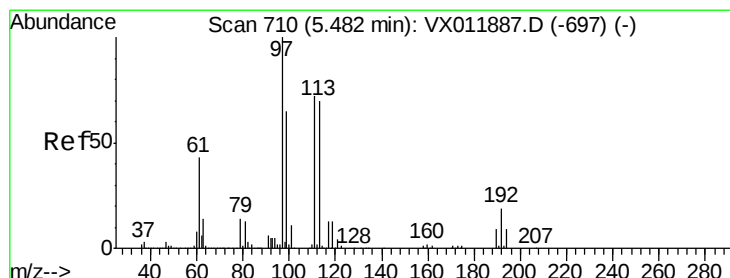
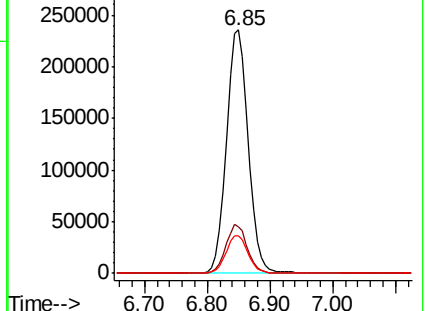
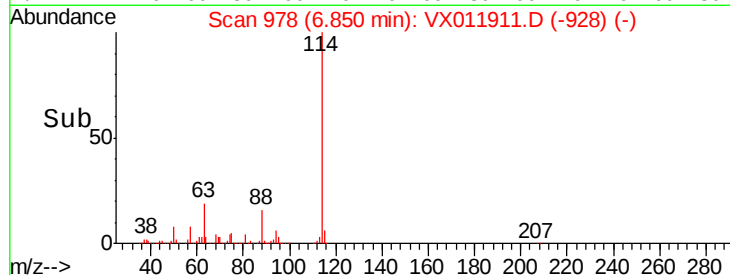
88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.776 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

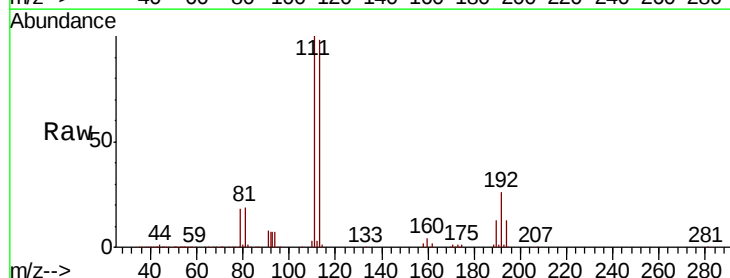
Tgt Ion:113 Resp: 169674

Ion Ratio Lower Upper

113 100

111 101.6 82.1 123.1

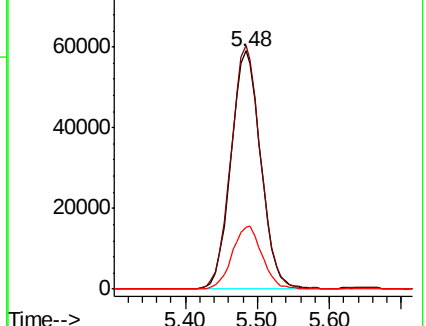
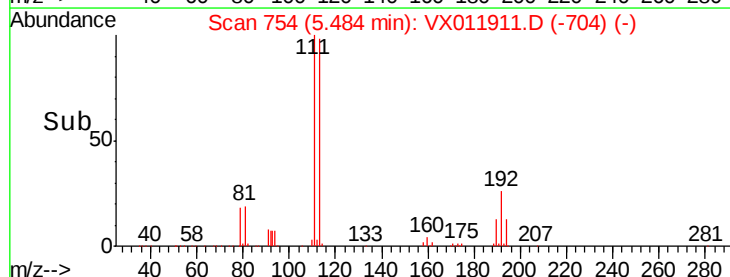
192 26.6 21.5 32.3

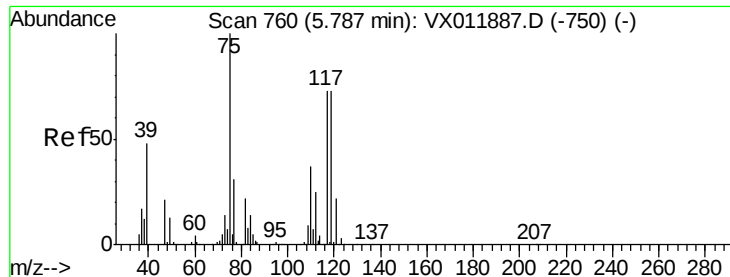


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.499 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.14 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

Instrument :

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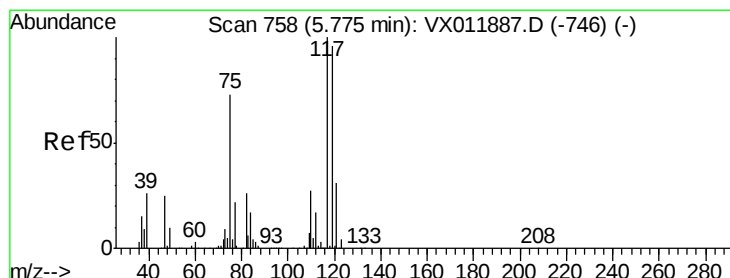
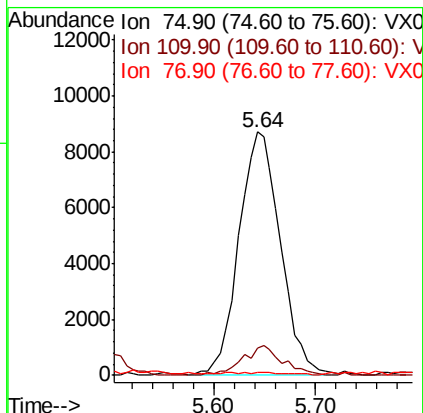
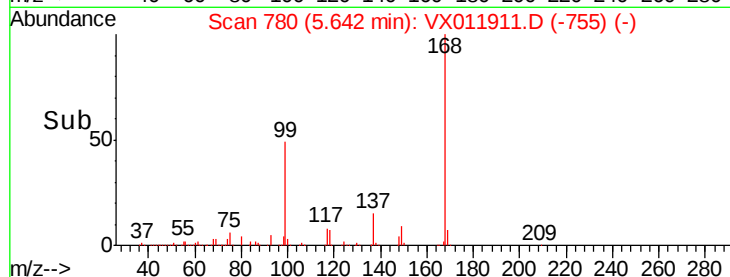
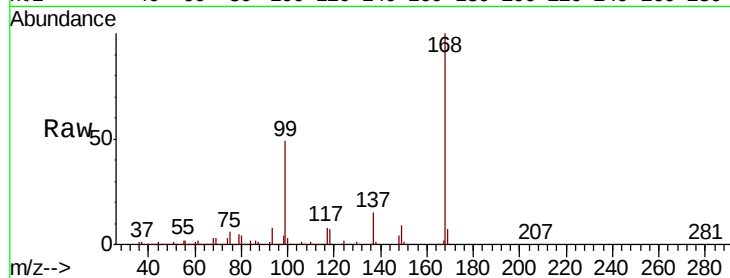
Tgt Ion: 75 Resp: 24646

Ion Ratio Lower Upper

75 100

110 11.9 19.1 57.3#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.942 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

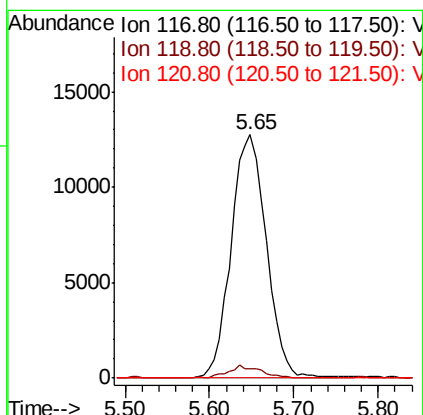
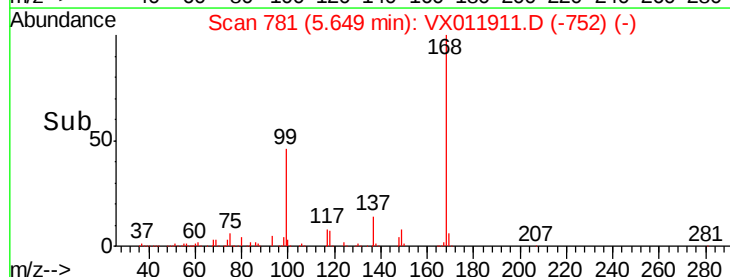
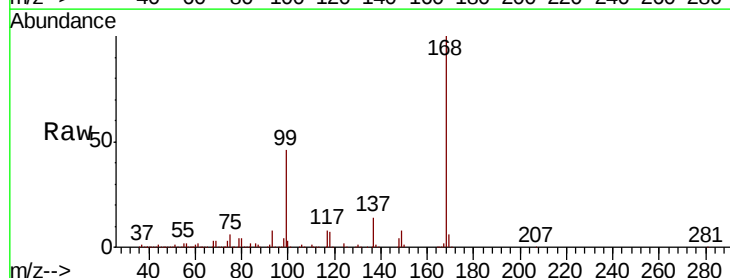
Tgt Ion: 117 Resp: 36084

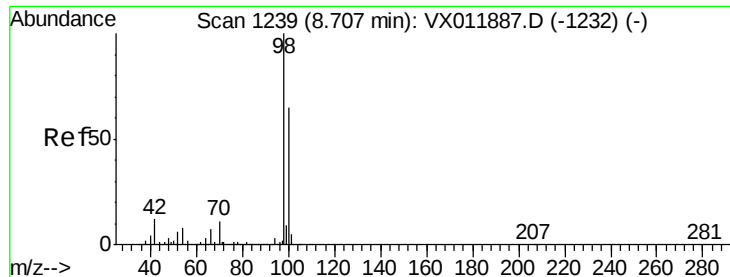
Ion Ratio Lower Upper

117 100

119 4.0 76.6 114.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 50.473 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

Instrument :

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ClientSampleId :

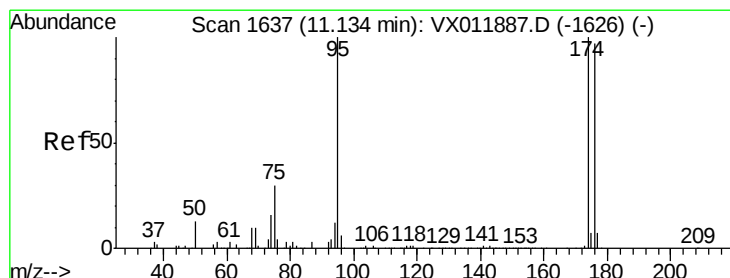
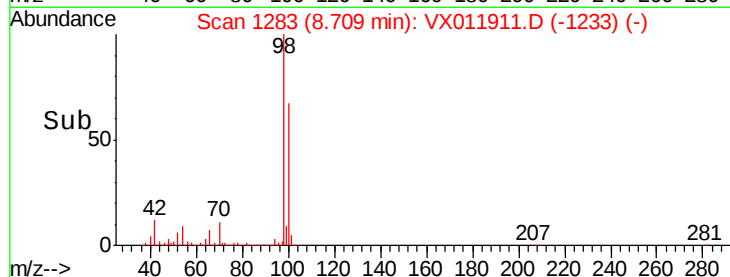
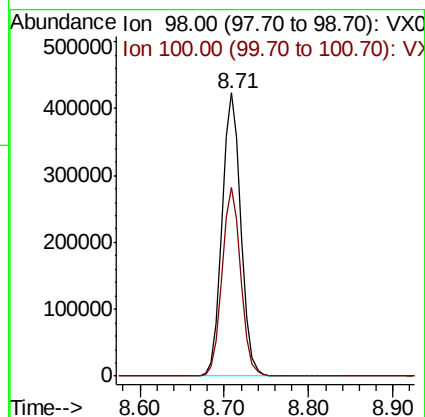
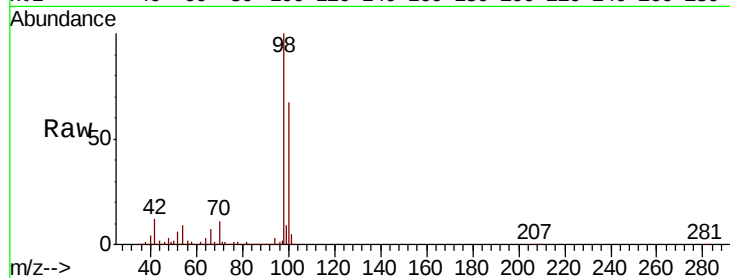
T1-2-C-(0)

Tgt Ion: 98 Resp: 654474

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 42.364 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

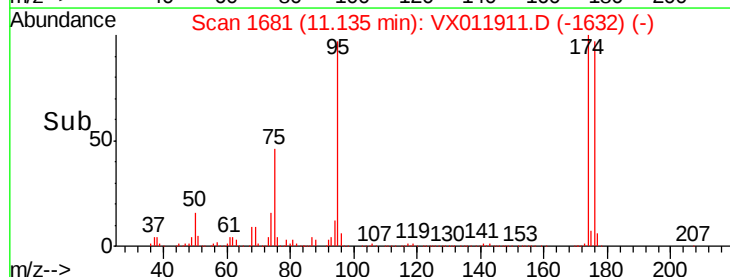
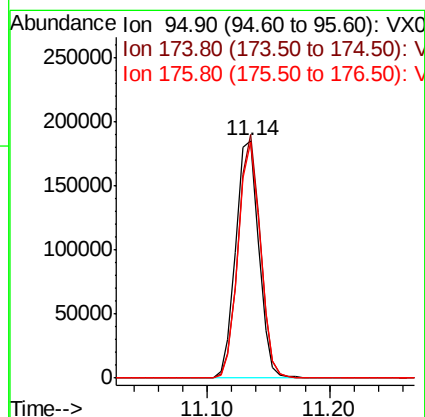
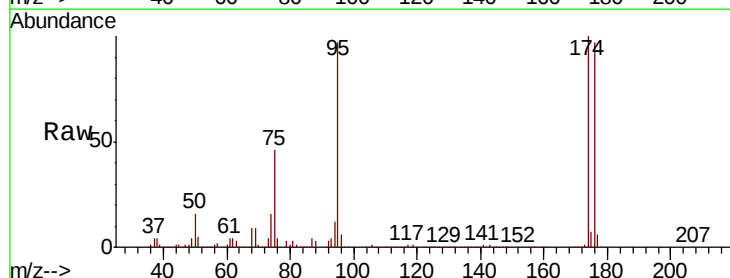
Tgt Ion: 95 Resp: 240970

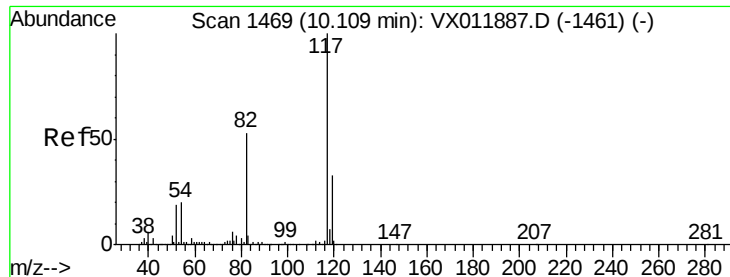
Ion Ratio Lower Upper

95 100

174 97.8 0.0 196.0

176 95.7 0.0 191.4

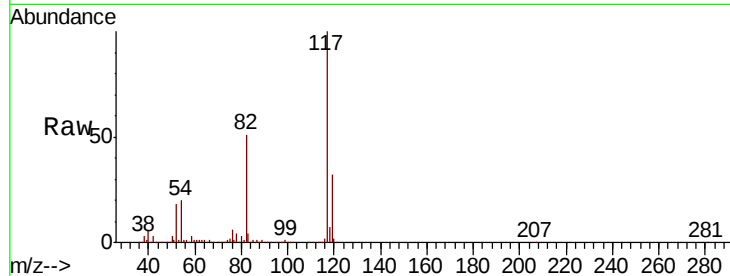




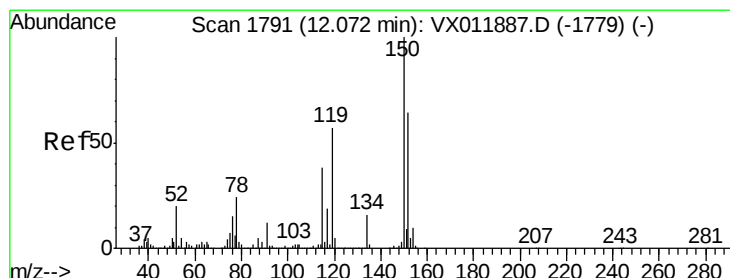
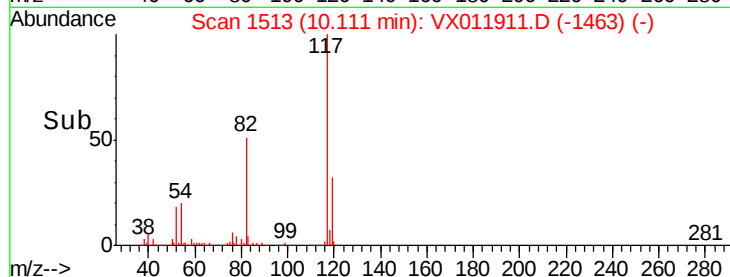
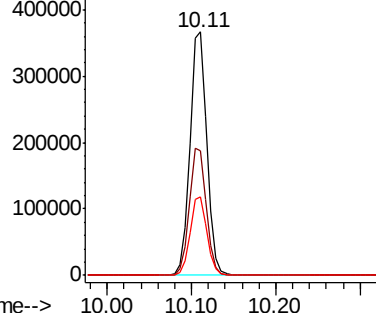
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011911.D
Acq: 30 Aug 2019 16:26

Instrument :
MSVOA_X
ClientSampleId :
T1-2-C-(0)

Tgt Ion:117 Resp: 509747
Ion Ratio Lower Upper
117 100
82 51.1 42.0 63.0
119 32.2 26.2 39.4

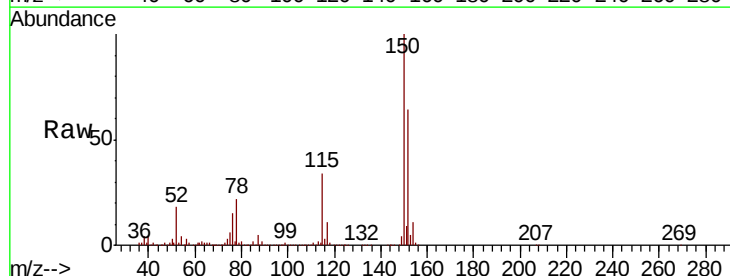


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

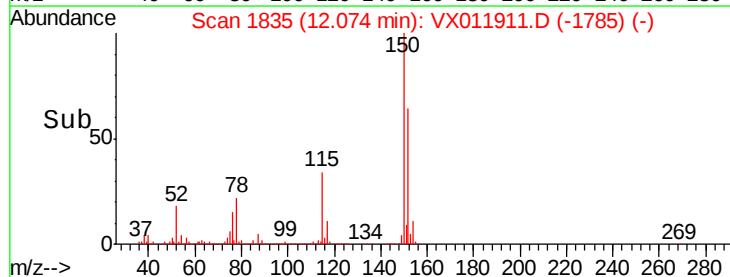
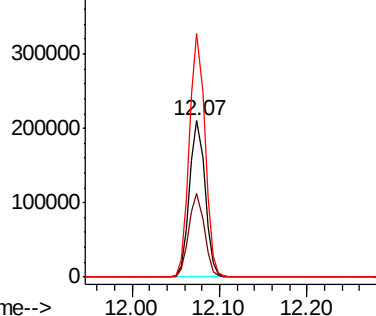


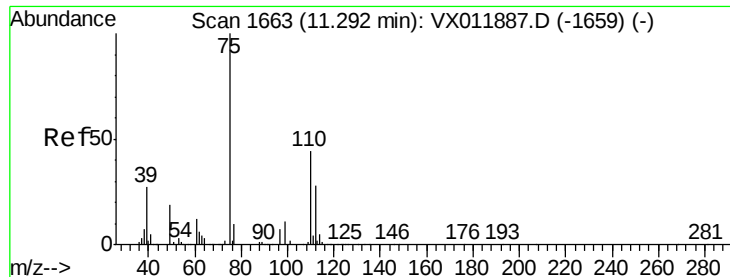
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011911.D
Acq: 30 Aug 2019 16:26

Tgt Ion:152 Resp: 257485
Ion Ratio Lower Upper
152 100
115 53.8 37.1 111.3
150 155.8 0.0 339.6



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: 46.592 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

Instrument :

MSVOA_X

ClientSampled :

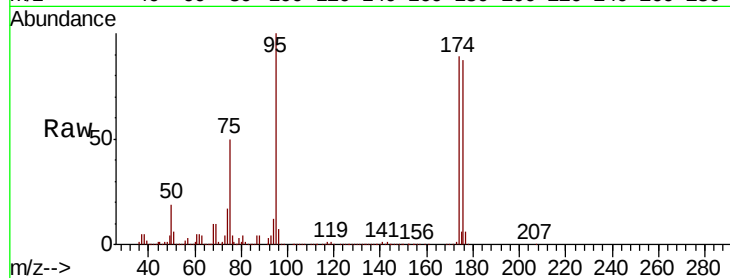
T1-2-C-(0)

Tgt Ion: 75 Resp: 118013

Ion Ratio Lower Upper

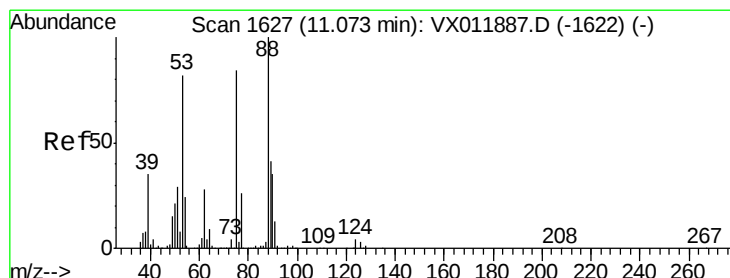
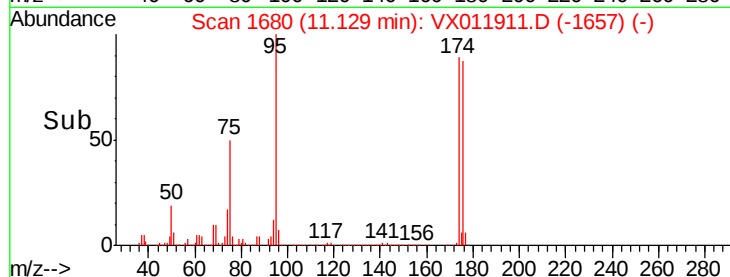
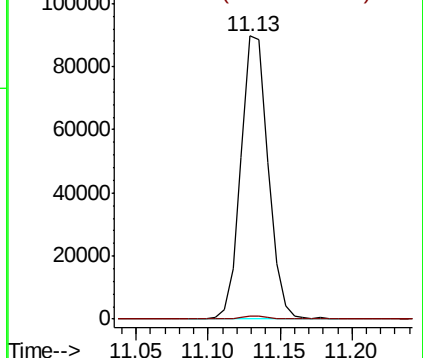
75 100

77 1.3 20.9 62.7#



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: 117.048 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011911.D

Acq: 30 Aug 2019 16:26

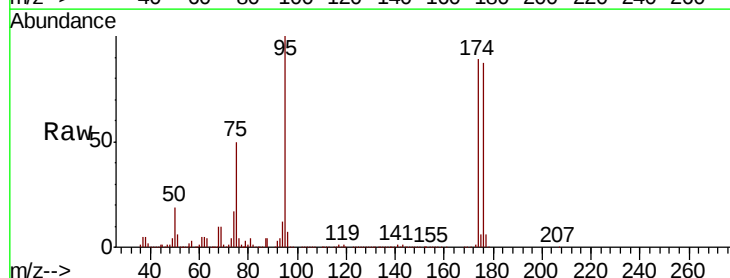
Tgt Ion: 75 Resp: 118013

Ion Ratio Lower Upper

75 100

53 0.3 77.1 115.7#

89 0.0 38.2 57.2#



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

