

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
 Data File : VX012002.D
 Acq On : 01 Sep 2019 19:51
 Operator : SY/SP
 Sample : K4529-05
 Misc : 3.80g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-T2-(1.9)

Quant Time: Sep 02 03:56:37 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	396091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	516017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	391062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	136725	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	164547	43.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.72%	
35) Dibromofluoromethane	5.48	113	150490	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	
50) Toluene-d8	8.71	98	544718	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
62) 4-Bromofluorobenzene	11.14	95	159100	30.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.32%	

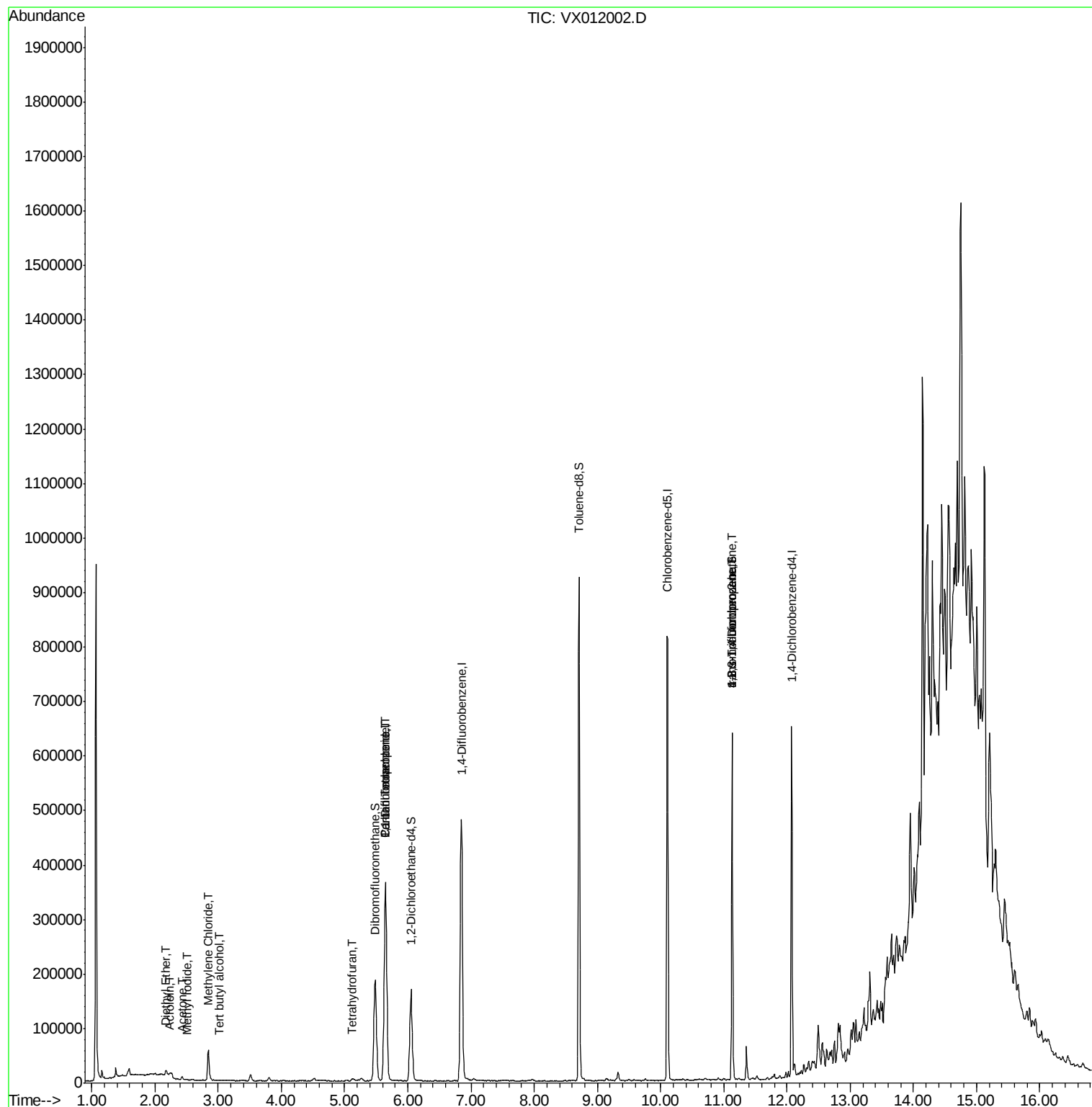
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2507	1.587	ug/l	90
10) Methyl Iodide	2.50	142	235	3.743	ug/l #	79
11) Tert butyl alcohol	3.02	59	1483	4.062	ug/l	95
13) Acrolein	2.22	56	251	1.381	ug/l #	13
16) Acetone	2.43	43	5642	6.910	ug/l	99
20) Methylene Chloride	2.84	84	27005	3.150	ug/l	96
29) Tetrahydrofuran	5.12	42	4033	5.433	ug/l #	84
36) 1,1-Dichloropropene	5.65	75	23373	5.717	ug/l #	52
38) Carbon Tetrachloride	5.65	117	33216	7.006	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	78231	58.166	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	78231	146.122	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-T2-(1.9)

Quant Time: Sep 02 03:56:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 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: VX012002.D

Acq: 01 Sep 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

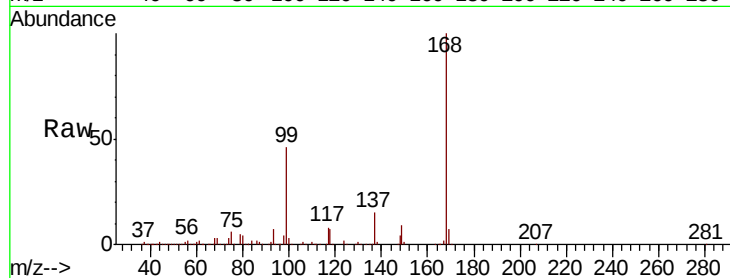
T9-12-13-T2-(1.9)

Tgt Ion:168 Resp: 396091

Ion Ratio Lower Upper

168 100

99 46.0 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

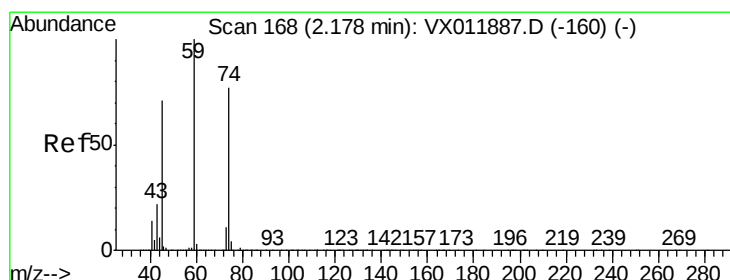
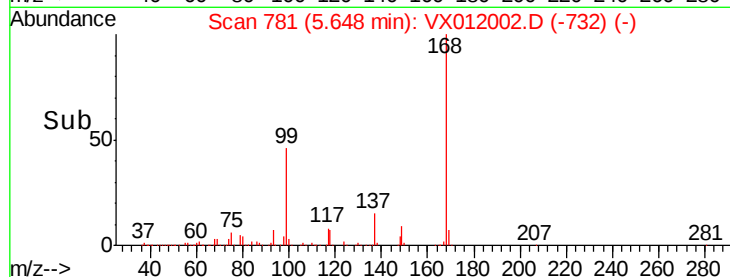
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.587 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012002.D

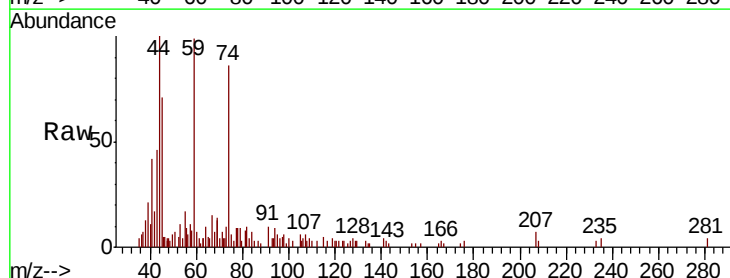
Acq: 01 Sep 2019 19:51

Tgt Ion: 74 Resp: 2507

Ion Ratio Lower Upper

74 100

45 103.2 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

2000

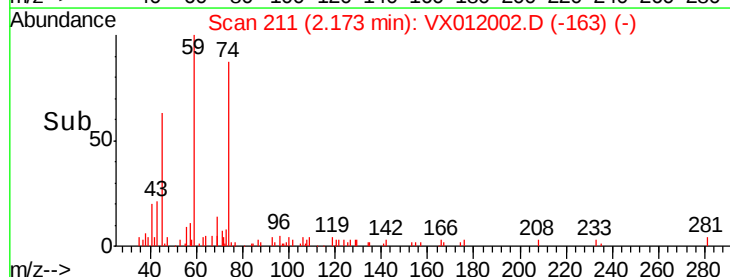
1500

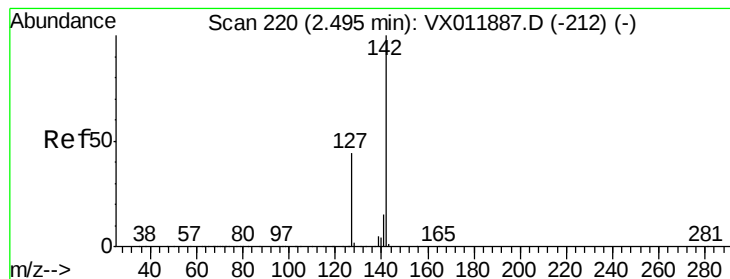
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 3.743 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012002.D

Acq: 01 Sep 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-T2-(1.9)

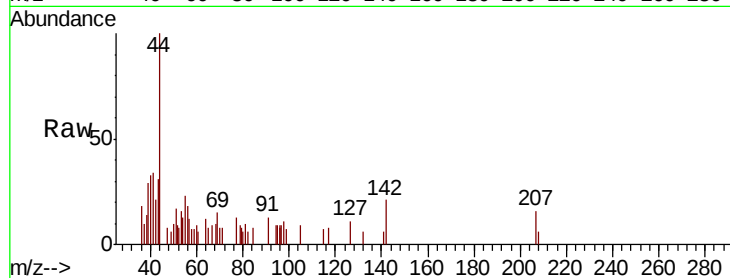
Tgt Ion:142 Resp: 235

Ion Ratio Lower Upper

142 100

127 26.8 35.7 53.5#

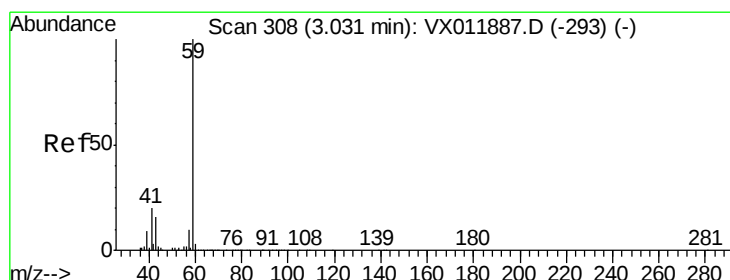
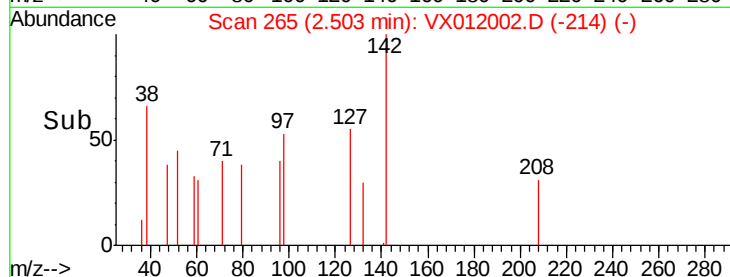
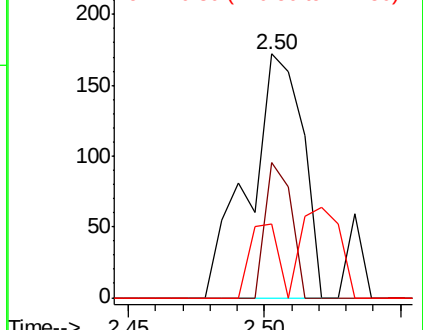
141 15.7 11.8 17.6



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 4.062 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012002.D

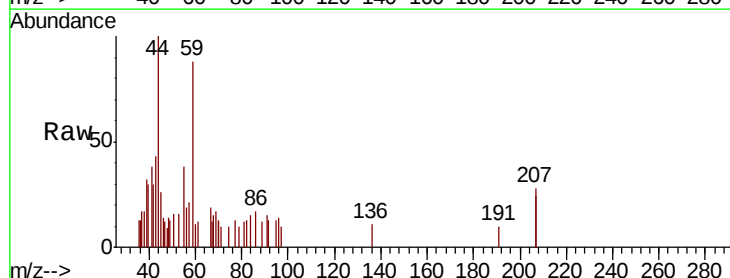
Acq: 01 Sep 2019 19:51

Tgt Ion: 59 Resp: 1483

Ion Ratio Lower Upper

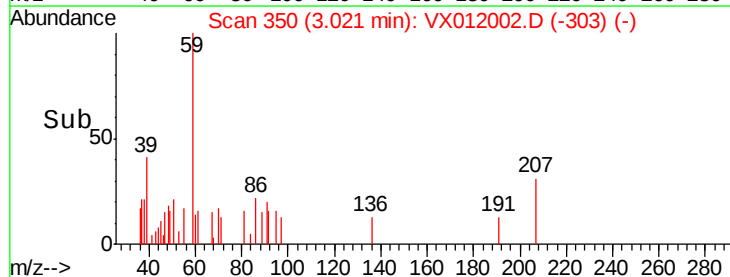
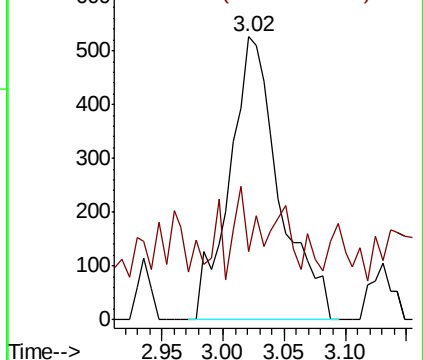
59 100

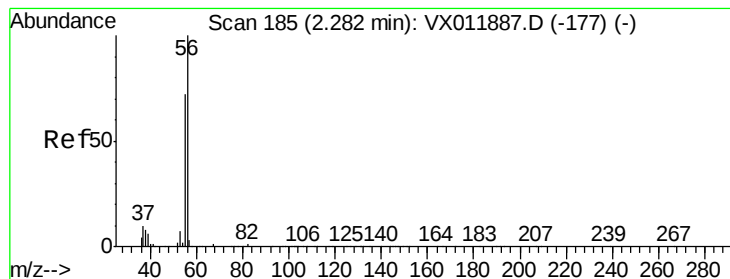
57 12.4 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.381 ug/l

RT: 2.22 min Scan# 219

Delta R.T. -0.06 min

Lab File: VX012002.D

Acq: 01 Sep 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

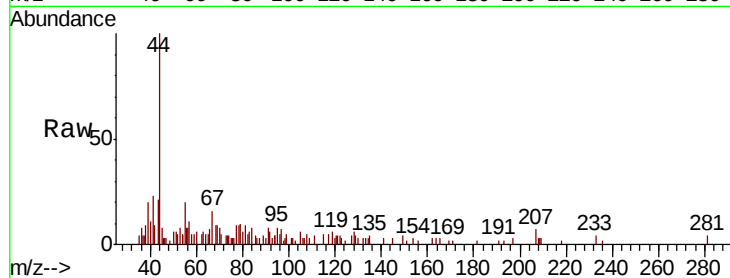
T9-12-13-T2-(1.9)

Tgt Ion: 56 Resp: 251

Ion Ratio Lower Upper

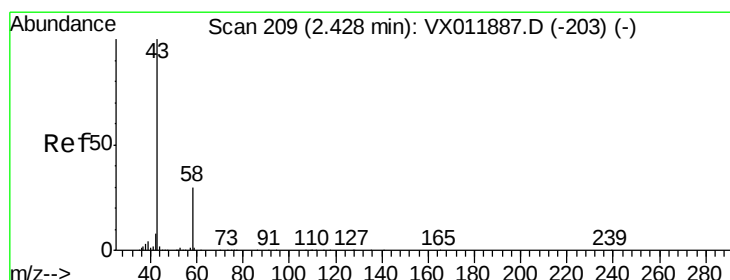
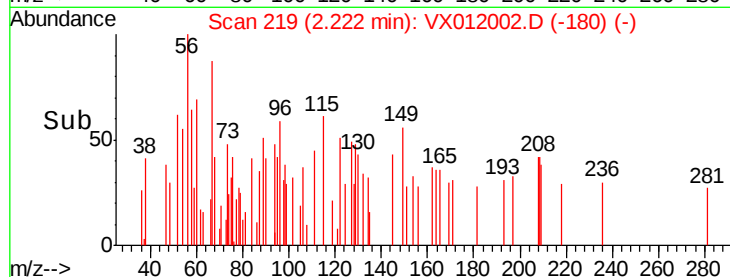
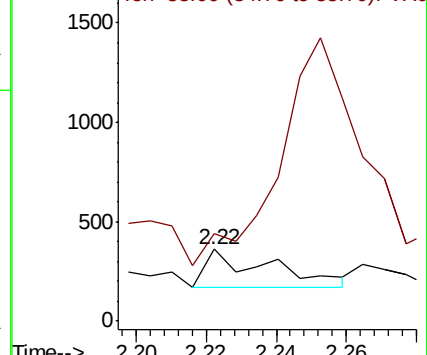
56 100

55 0.0 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 6.910 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012002.D

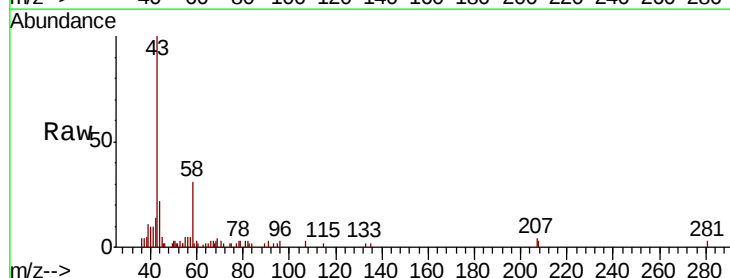
Acq: 01 Sep 2019 19:51

Tgt Ion: 43 Resp: 5642

Ion Ratio Lower Upper

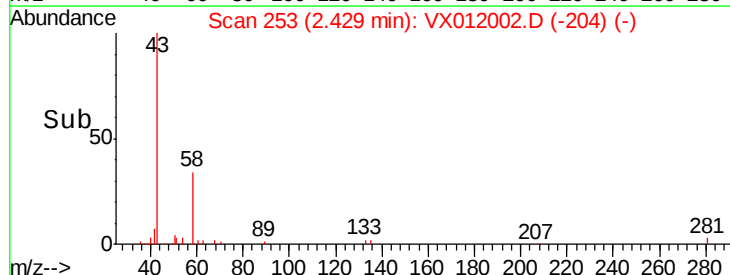
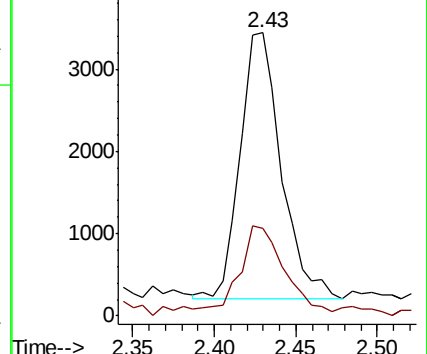
43 100

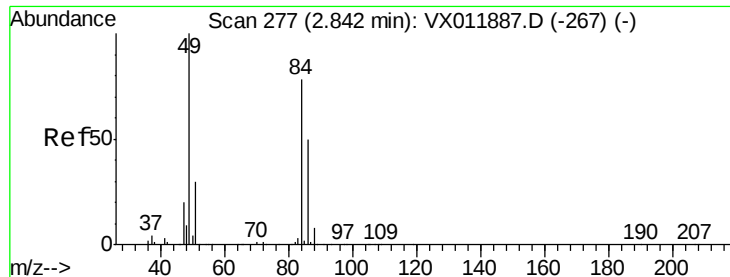
58 30.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

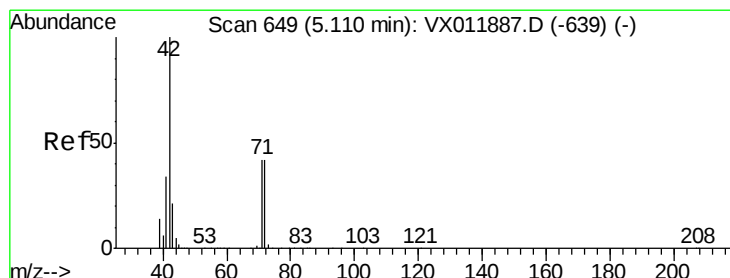
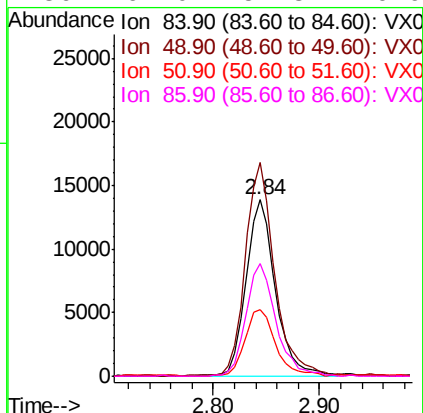
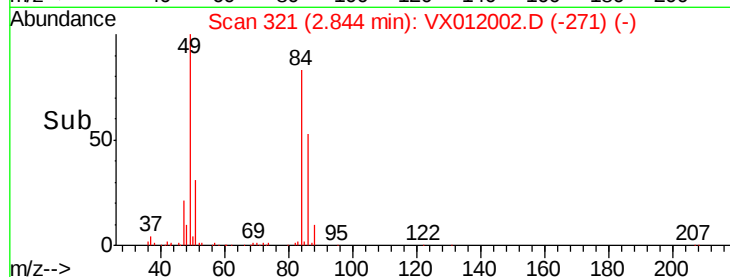
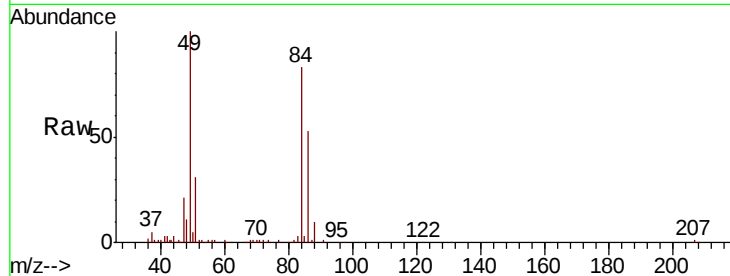




#20
Methylene Chloride
Concen: 3.150 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012002.D
Acq: 01 Sep 2019 19:51

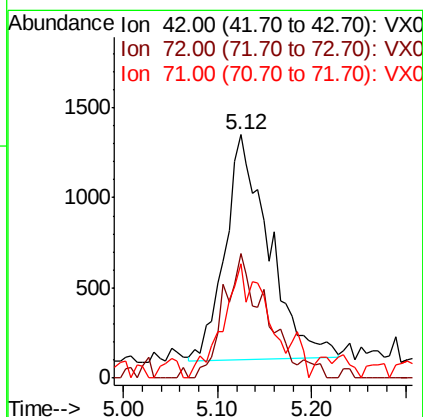
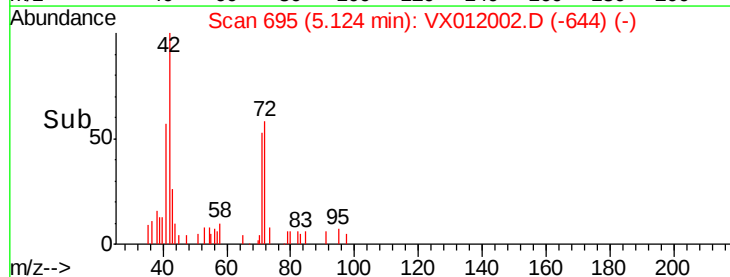
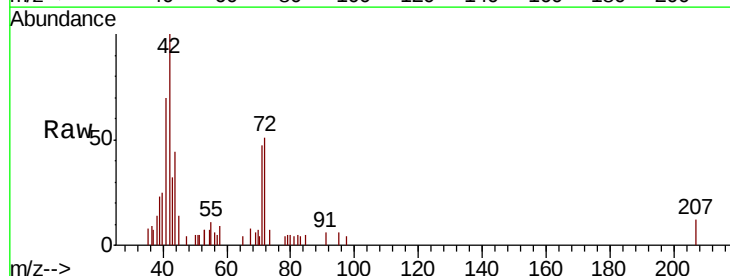
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-T2-(1.9)

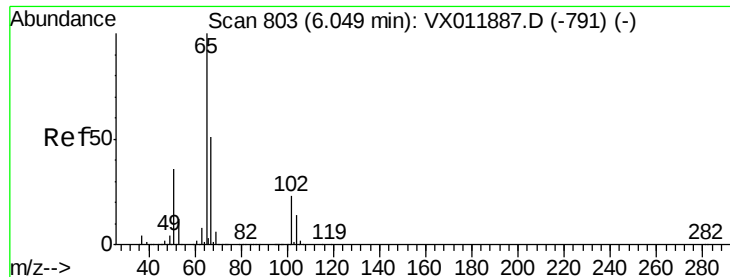
Tgt Ion: 84 Resp: 27005
Ion Ratio Lower Upper
84 100
49 120.8 103.0 154.4
51 38.0 30.8 46.2
86 64.0 51.3 76.9



#29
Tetrahydrofuran
Concen: 5.433 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012002.D
Acq: 01 Sep 2019 19:51

Tgt Ion: 42 Resp: 4033
Ion Ratio Lower Upper
42 100
72 51.4 36.2 54.4
71 27.0 33.1 49.7#





#33

1,2-Dichloroethane-d4

Concen: 43.360 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012002.D

Acq: 01 Sep 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

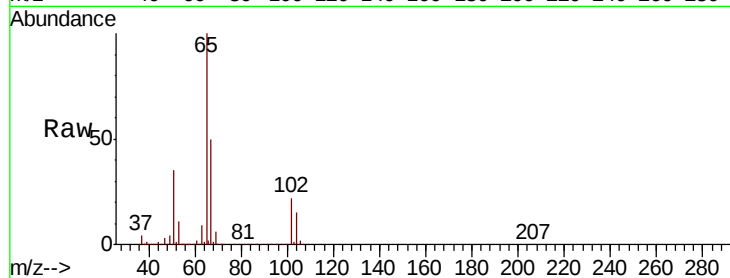
T9-12-13-T2-(1.9)

Tgt Ion: 65 Resp: 164547

Ion Ratio Lower Upper

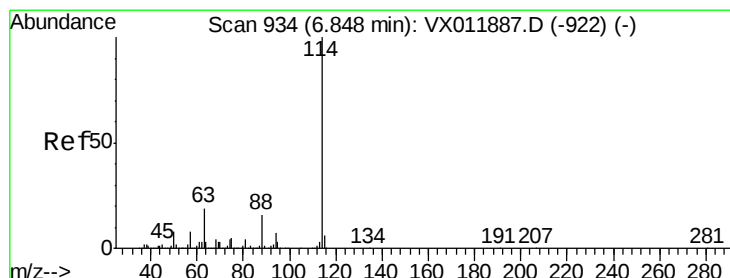
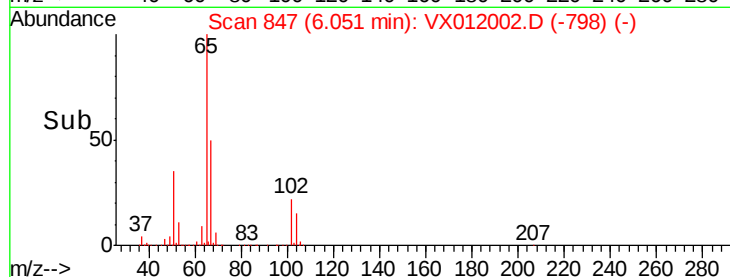
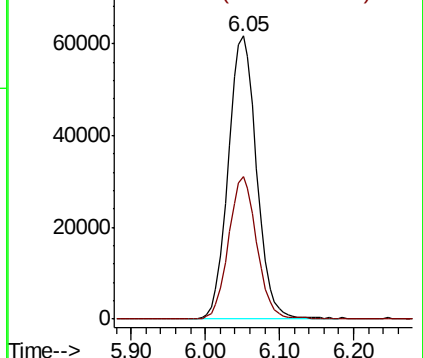
65 100

67 50.1 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: VX012002.D

Acq: 01 Sep 2019 19:51

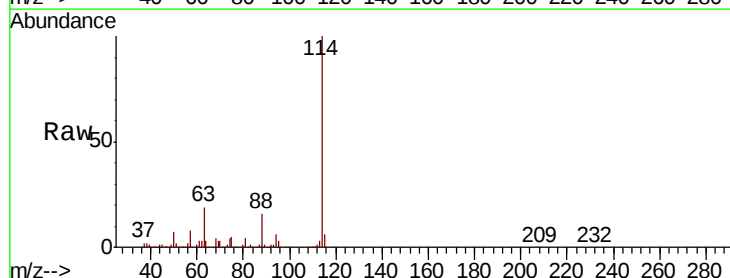
Tgt Ion: 114 Resp: 516017

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

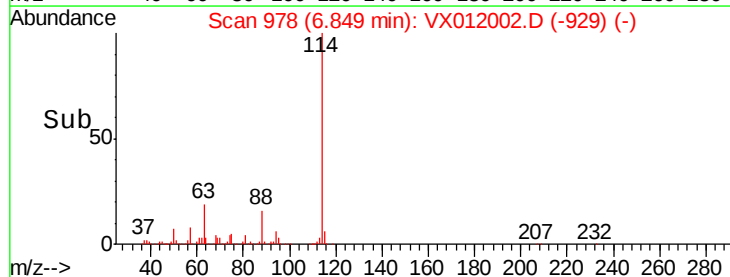
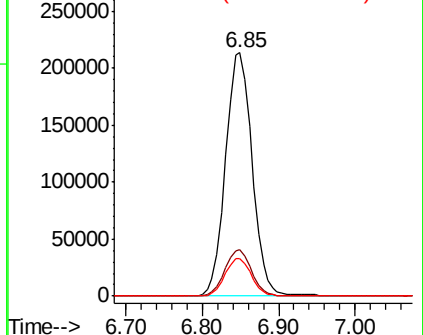
88 15.6 0.0 31.2

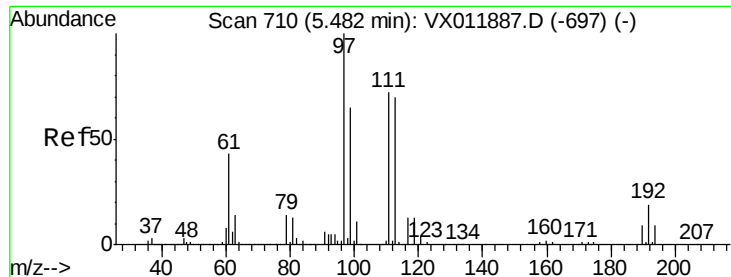


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

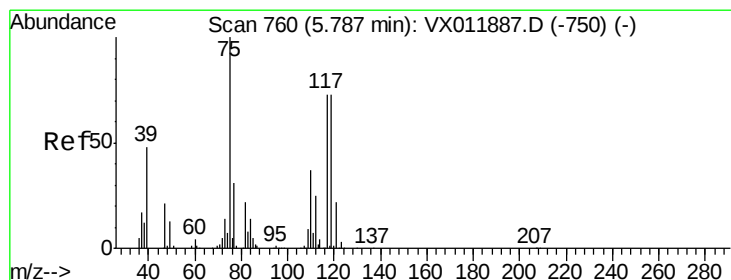
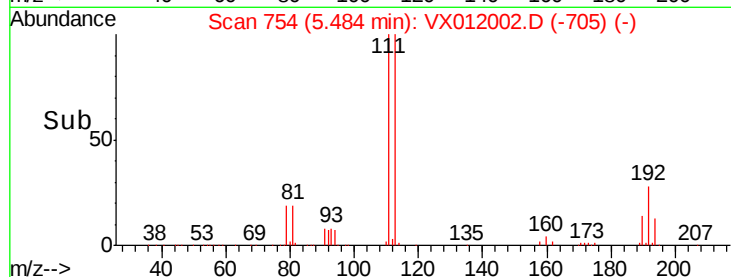
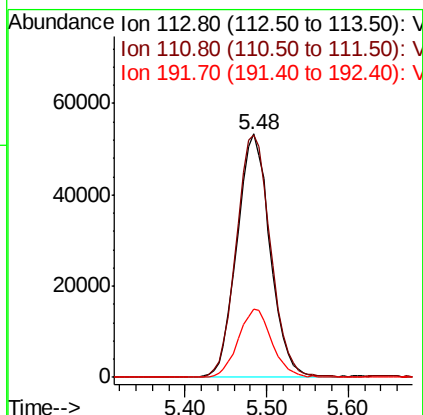
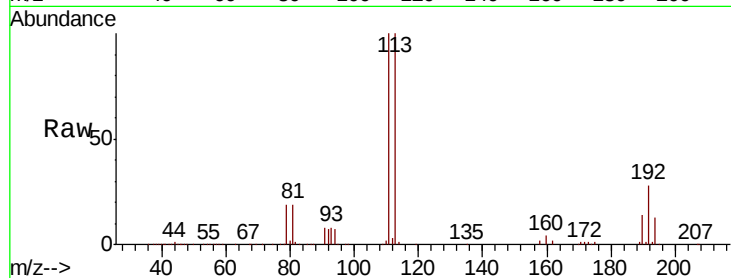




#35
 Dibromofluoromethane
 Concen: 45.480 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012002.D
 Acq: 01 Sep 2019 19:51

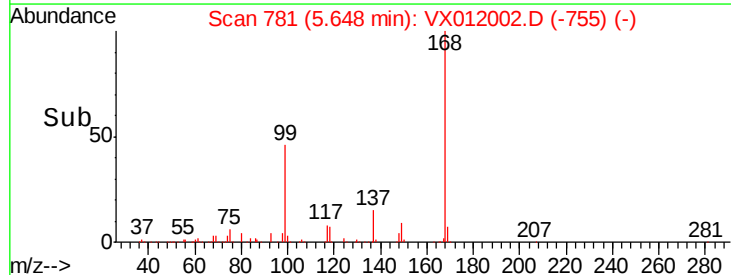
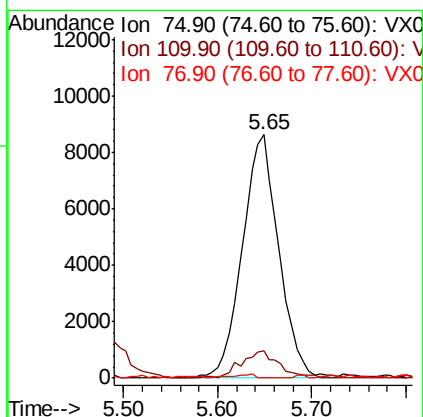
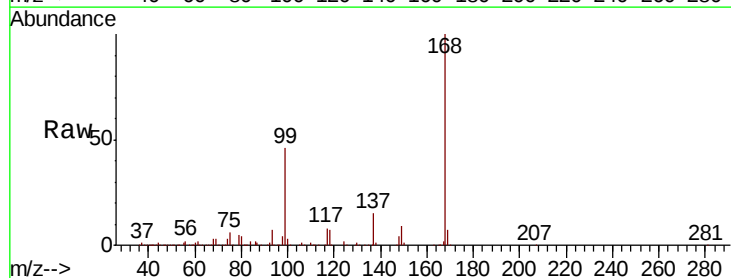
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-T2-(1.9)

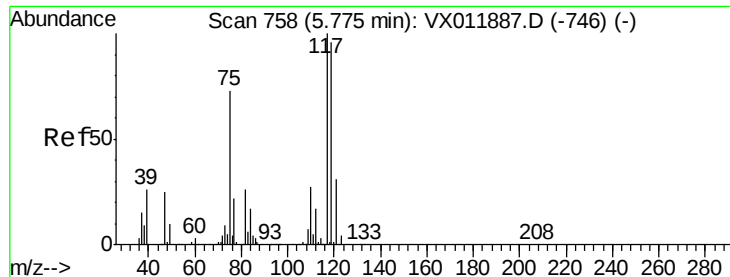
Tgt Ion:113 Resp: 150490
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.1 123.1
 192 28.5 21.5 32.3



#36
 1,1-Dichloropropene
 Concen: 5.717 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012002.D
 Acq: 01 Sep 2019 19:51

Tgt Ion: 75 Resp: 23373
 Ion Ratio Lower Upper
 75 100
 110 11.8 19.1 57.3#
 77 1.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.006 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012002.D

Acq: 01 Sep 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-T2-(1.9)

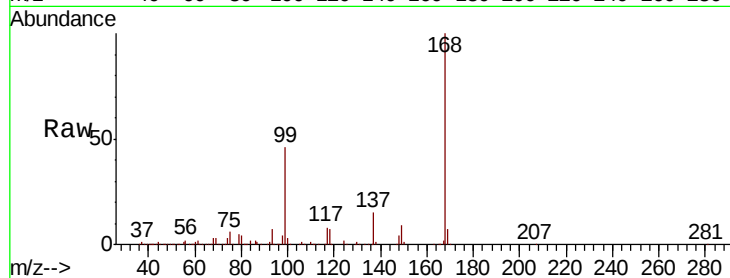
Tgt Ion:117 Resp: 33216

Ion Ratio Lower Upper

117 100

119 4.6 76.6 114.8#

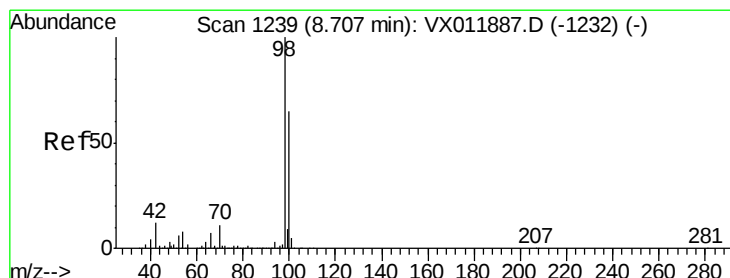
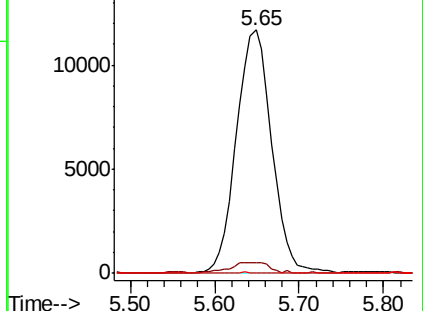
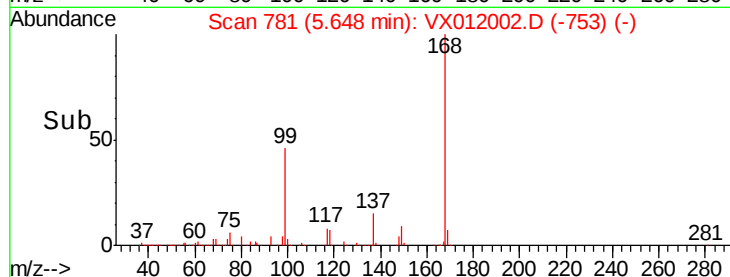
121 0.0 24.7 37.1#



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: 46.052 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012002.D

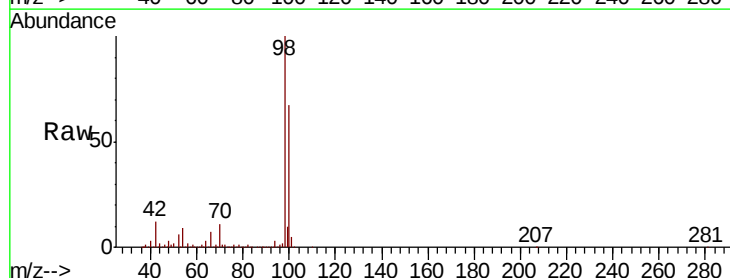
Acq: 01 Sep 2019 19:51

Tgt Ion: 98 Resp: 544718

Ion Ratio Lower Upper

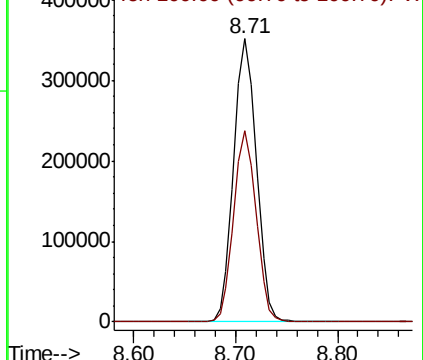
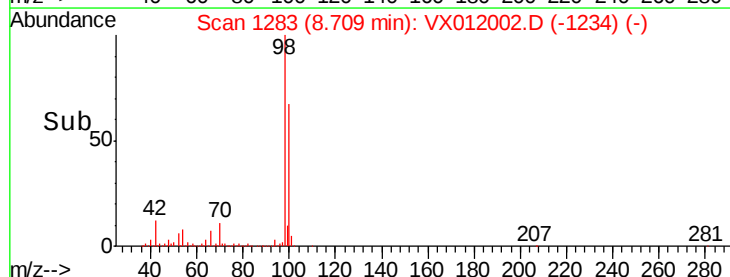
98 100

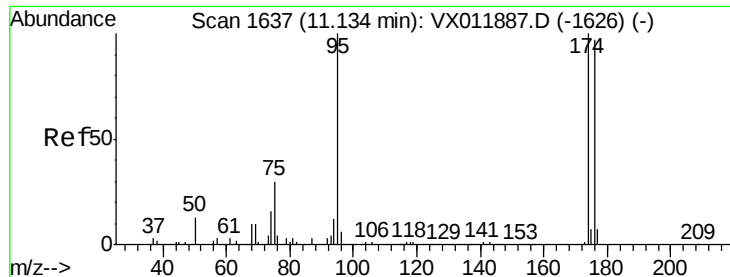
100 66.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 30.663 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012002.D

Acq: 01 Sep 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-T2-(1.9)

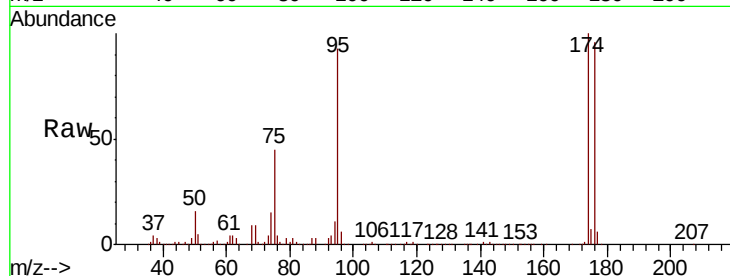
Tgt Ion: 95 Resp: 159100

Ion Ratio Lower Upper

95 100

174 101.6 0.0 196.0

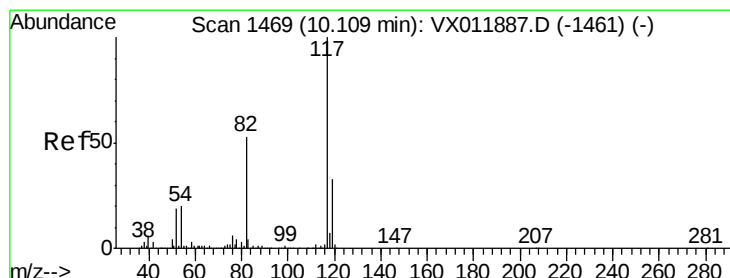
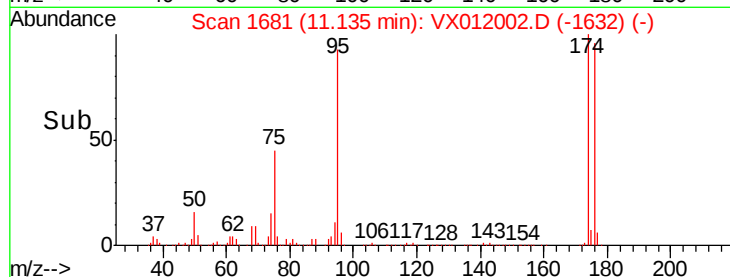
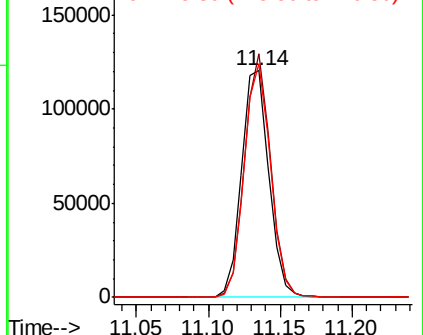
176 99.2 0.0 191.4



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# 1513

Delta R.T. 0.00 min

Lab File: VX012002.D

Acq: 01 Sep 2019 19:51

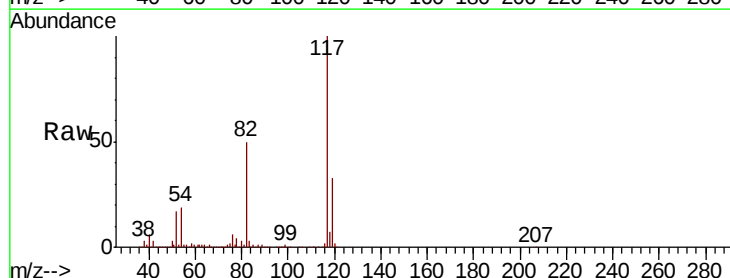
Tgt Ion: 117 Resp: 391062

Ion Ratio Lower Upper

117 100

82 49.9 42.0 63.0

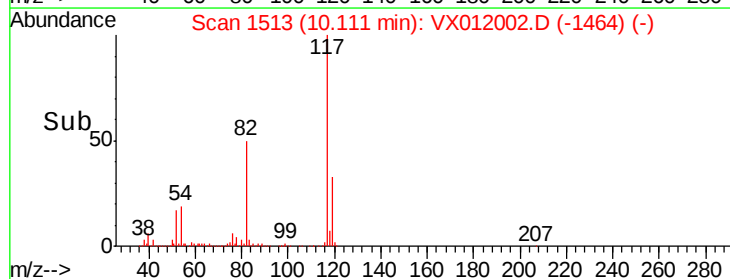
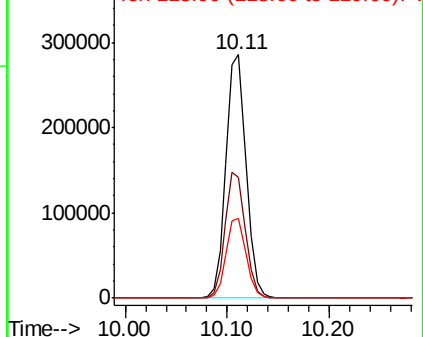
119 32.5 26.2 39.4

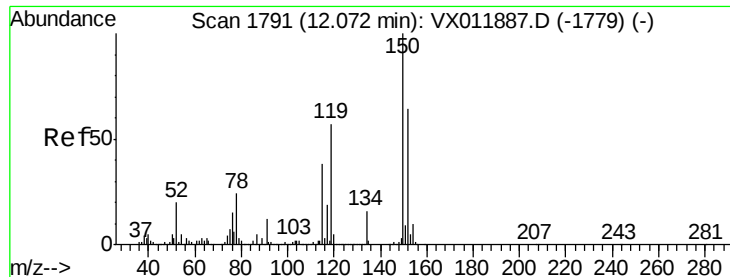


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



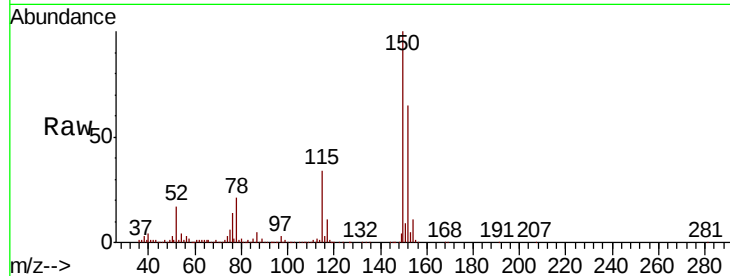


#72

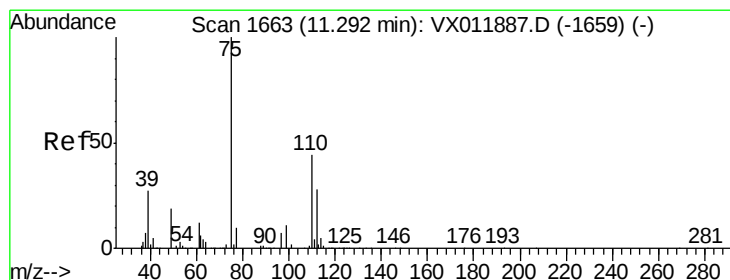
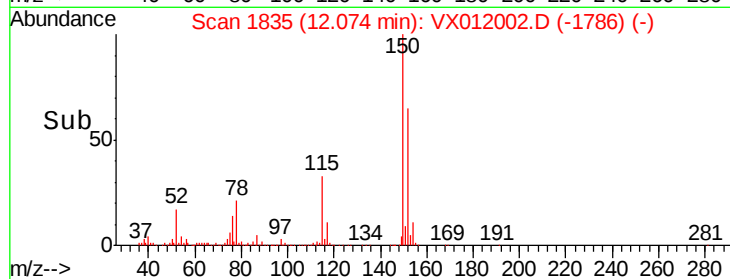
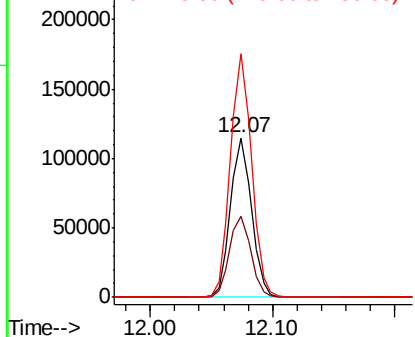
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012002.D
Acq: 01 Sep 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-T2-(1.9)

Tgt Ion: 152 Resp: 136725
Ion Ratio Lower Upper
152 100
115 51.9 37.1 111.3
150 153.9 0.0 339.6



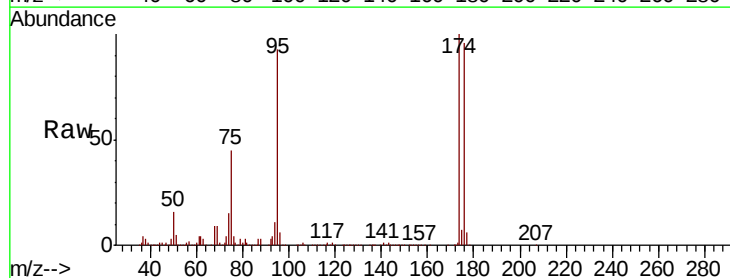
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



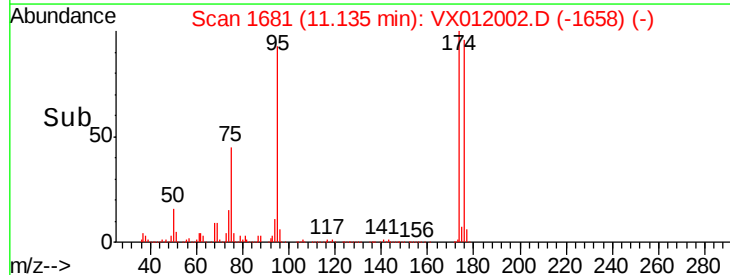
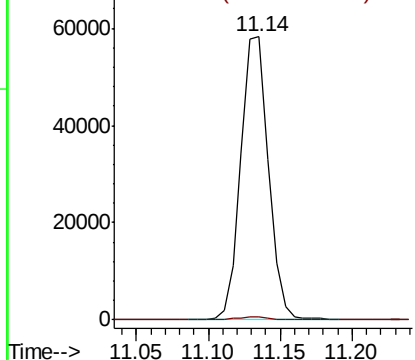
#76

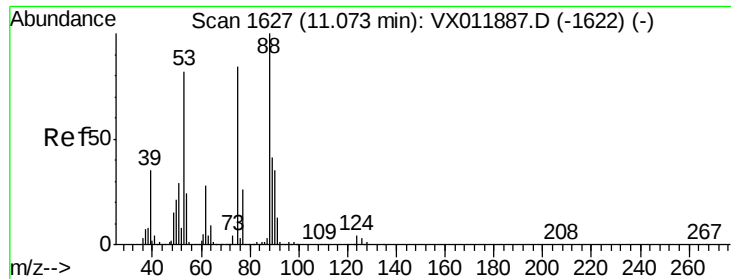
1,2,3-Trichloropropane
Concen: 58.166 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX012002.D
Acq: 01 Sep 2019 19:51

Tgt Ion: 75 Resp: 78231
Ion Ratio Lower Upper
75 100
77 1.2 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: 146.122 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.06 min
 Lab File: VX012002.D
 Acq: 01 Sep 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-T2-(1.9)

Tgt Ion: 75 Resp: 78231
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.1 115.7#
 89 0.0 38.2 57.2#

