

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
 Data File : VX012006.D
 Acq On : 01 Sep 2019 21:43
 Operator : SY/SP
 Sample : K4525-03
 Misc : 3.91g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-A2-(0)

Quant Time: Sep 02 03:57:26 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	440234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	560771	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	490278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	248226	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	174780	41.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.88%	
35) Dibromofluoromethane	5.48	113	161573	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
50) Toluene-d8	8.71	98	634405	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.14	95	227194	40.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.58%	

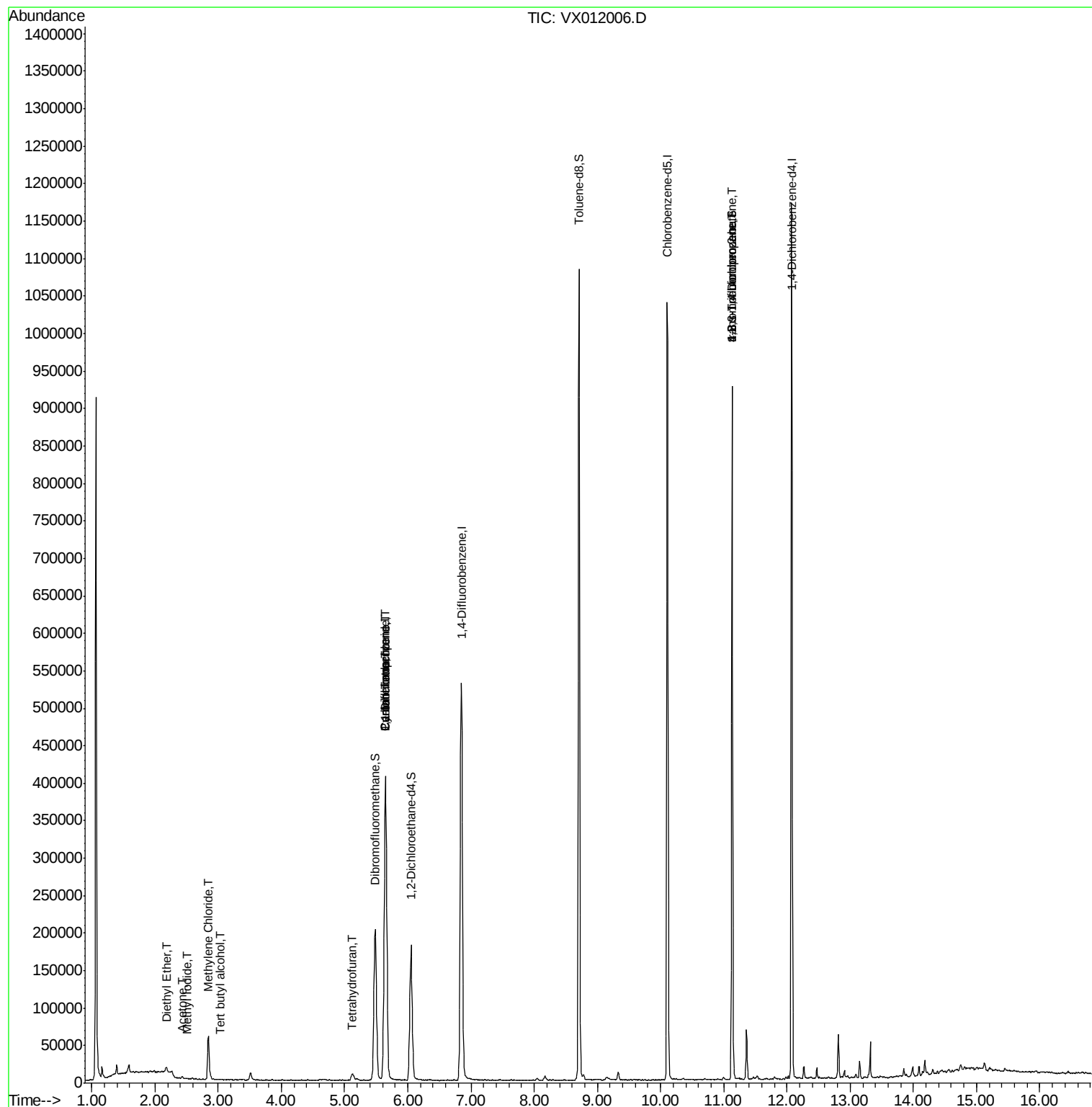
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2219	1.264	ug/l	95
10) Methyl Iodide	2.51	142	179	3.722	ug/l #	88
11) Tert butyl alcohol	3.03	59	1041	2.565	ug/l	100
16) Acetone	2.42	43	2933	3.232	ug/l	95
20) Methylene Chloride	2.84	84	28781	2.797	ug/l	91
29) Tetrahydrofuran	5.12	42	9912	12.015	ug/l	97
31) Cyclohexane	5.64	56	6896	1.309	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	25264	5.687	ug/l #	51
38) Carbon Tetrachloride	5.64	117	37423	7.263	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	111091	45.495	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	111091	114.292	ug/l #	11

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

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T9-12-13-A2-(0)

Quant Time: Sep 02 03:57:26 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: VX012006.D

Acq: 01 Sep 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

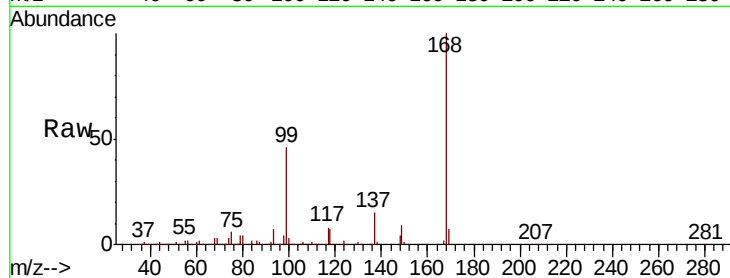
T9-12-13-A2-(0)

Tgt Ion:168 Resp: 440234

Ion Ratio Lower Upper

168 100

99 45.9 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

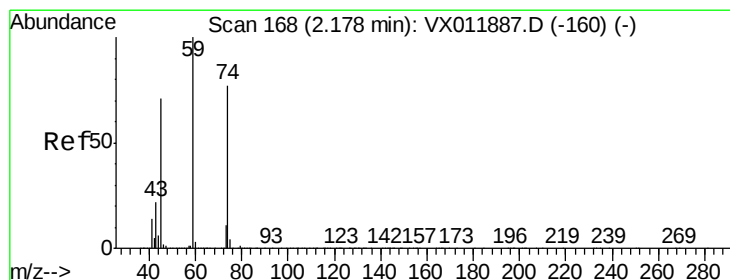
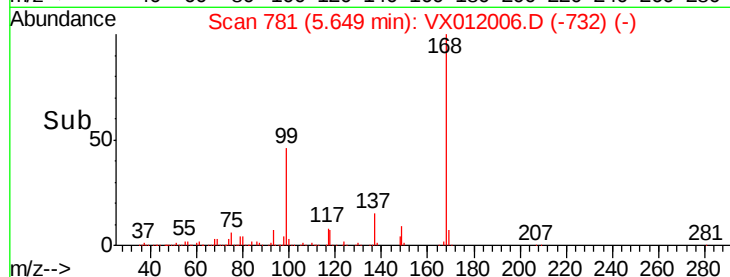
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.264 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012006.D

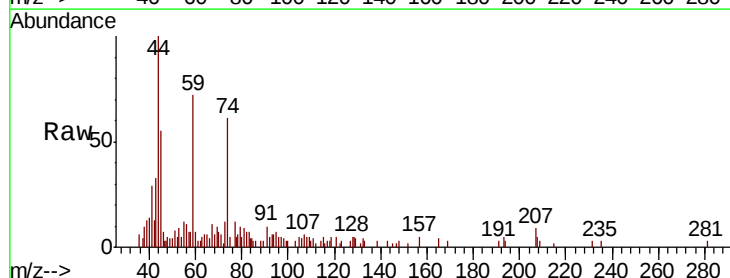
Acq: 01 Sep 2019 21:43

Tgt Ion: 74 Resp: 2219

Ion Ratio Lower Upper

74 100

45 88.2 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

1500

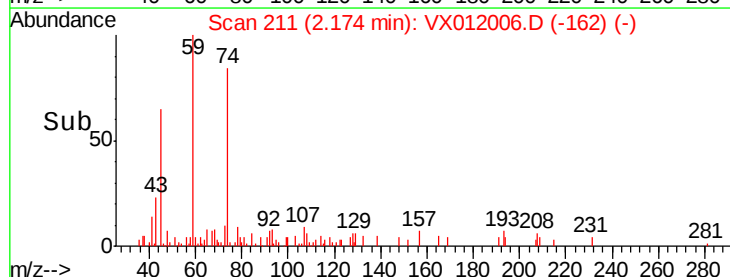
1000

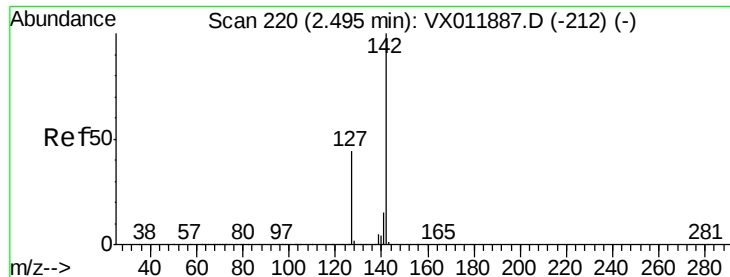
500

0

Time-->

2.10 2.15 2.20 2.25

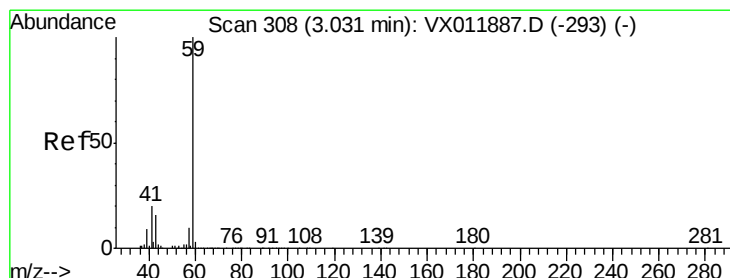
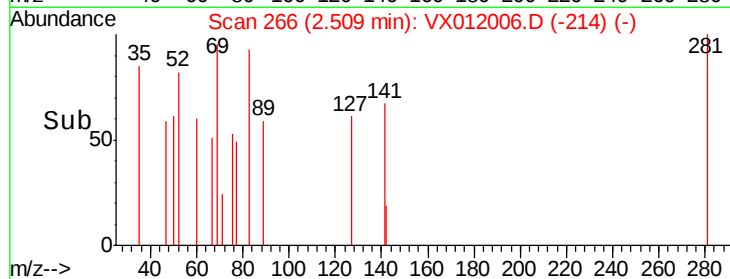
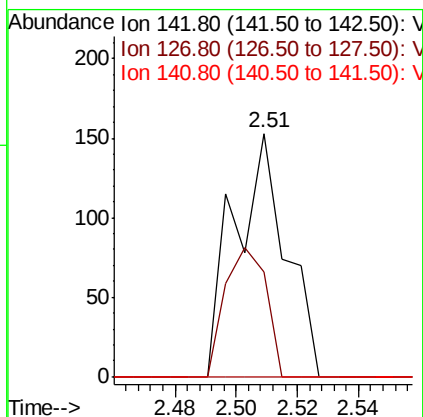
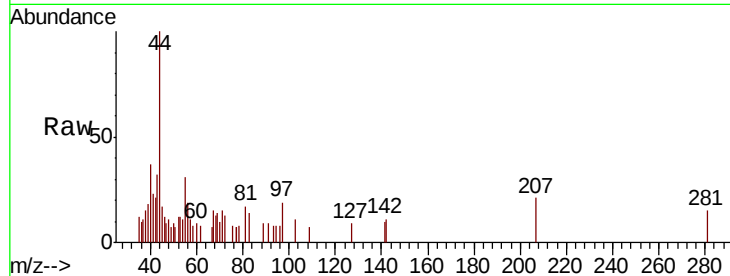




#10
Methyl Iodide
Concen: 3.722 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012006.D
Acq: 01 Sep 2019 21:43

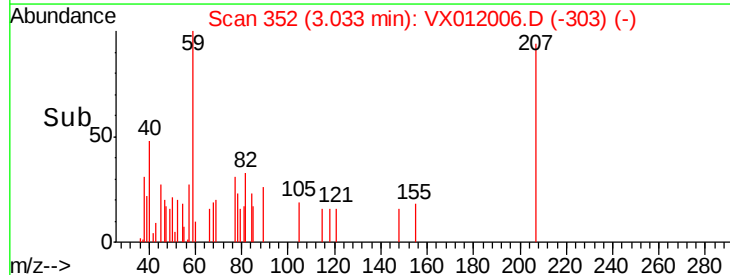
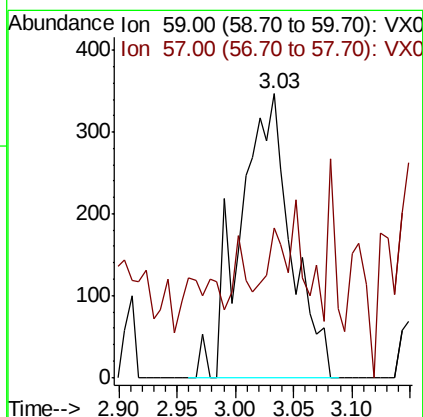
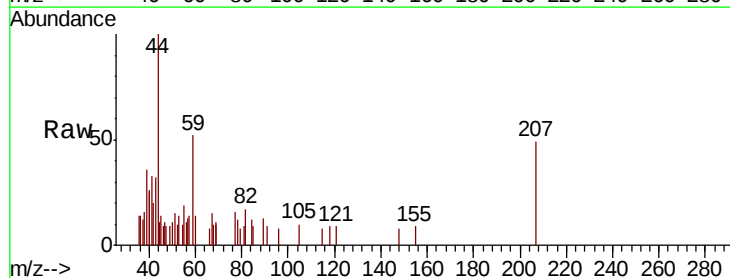
Instrument :
MSVOA_X
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T9-12-13-A2-(0)

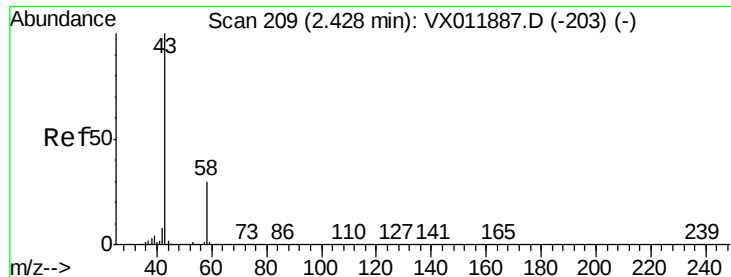
Tgt Ion: 142 Resp: 179
Ion Ratio Lower Upper
142 100
127 41.9 35.7 53.5
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 2.565 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX012006.D
Acq: 01 Sep 2019 21:43

Tgt Ion: 59 Resp: 1041
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8





#16

Acetone

Concen: 3.232 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.00 min

Lab File: VX012006.D

Acq: 01 Sep 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

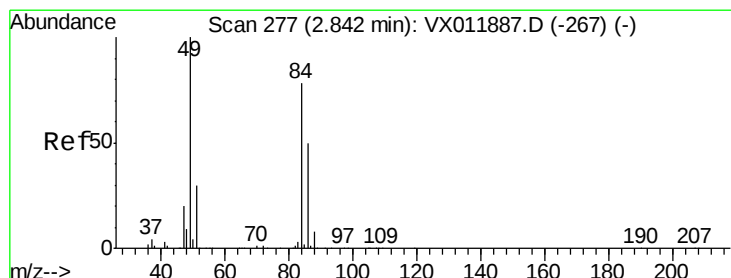
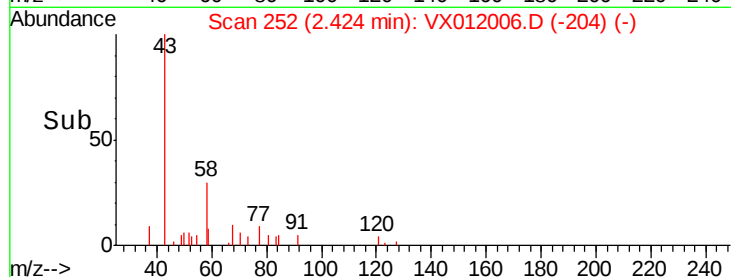
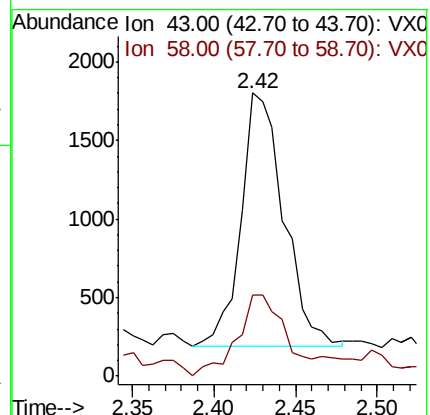
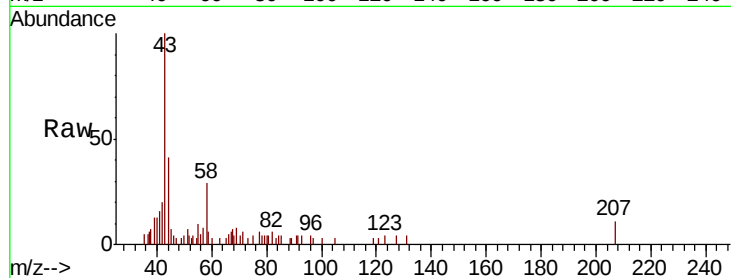
T9-12-13-A2-(0)

Tgt Ion: 43 Resp: 2933

Ion Ratio Lower Upper

43 100

58 32.3 23.8 35.8



#20

Methylene Chloride

Concen: 2.797 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012006.D

Acq: 01 Sep 2019 21:43

Tgt Ion: 84 Resp: 28781

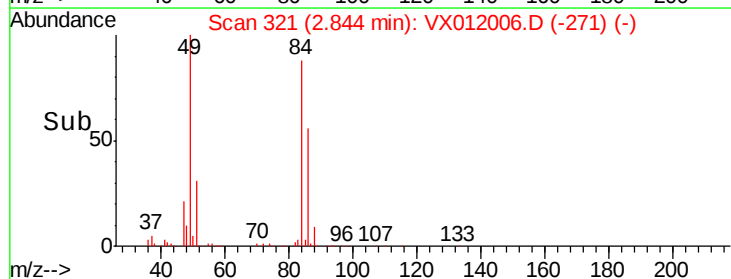
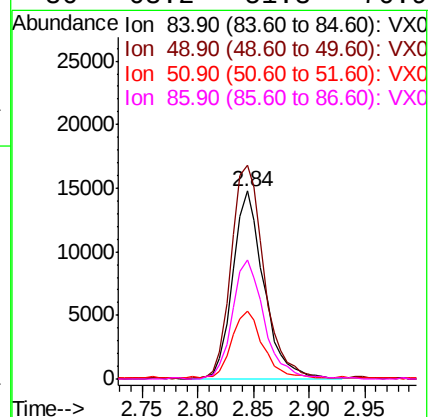
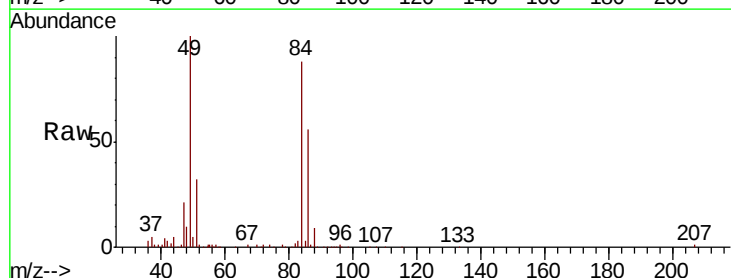
Ion Ratio Lower Upper

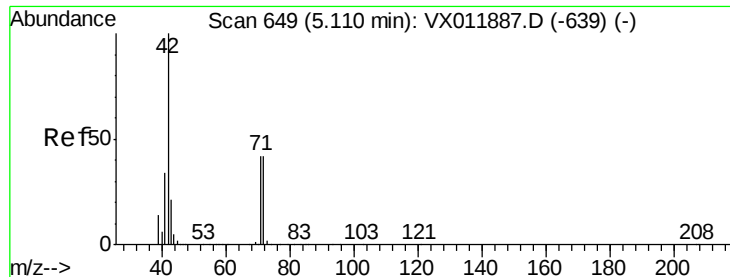
84 100

49 113.2 103.0 154.4

51 35.0 30.8 46.2

86 63.2 51.3 76.9

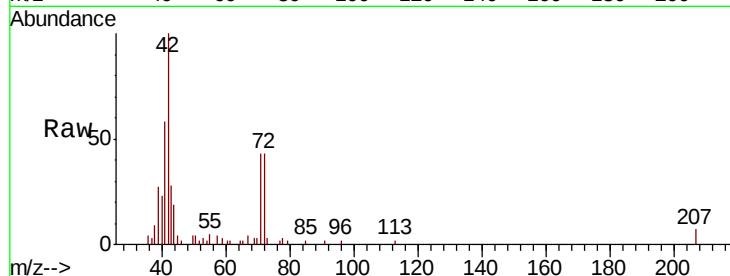




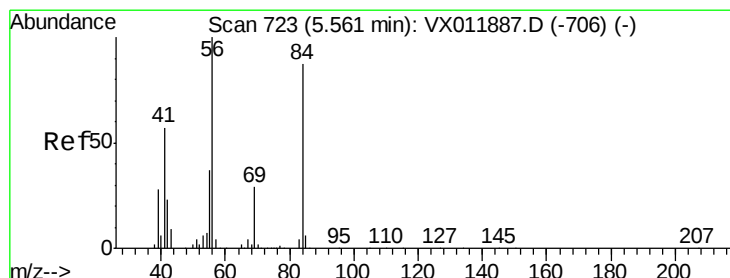
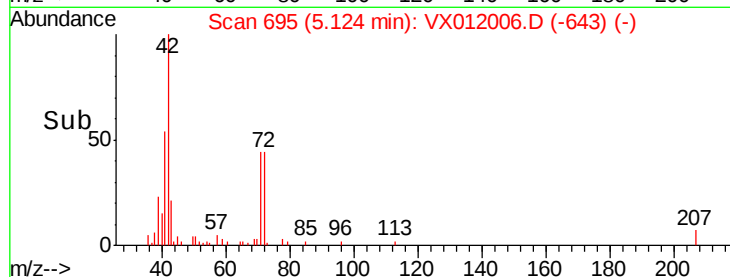
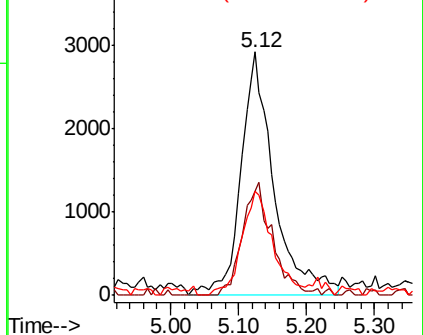
#29
Tetrahydrofuran
Concen: 12.015 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012006.D
Acq: 01 Sep 2019 21:43

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-A2-(0)

Tgt Ion: 42 Resp: 9912
Ion Ratio Lower Upper
42 100
72 42.3 36.2 54.4
71 40.1 33.1 49.7

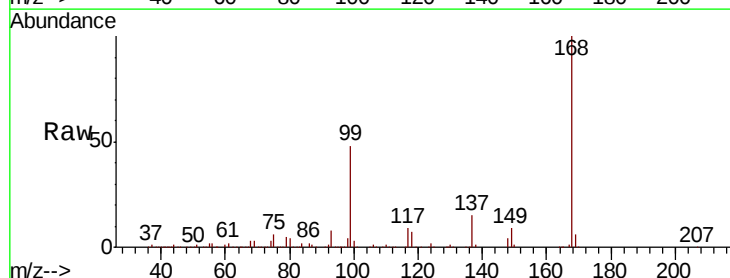


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

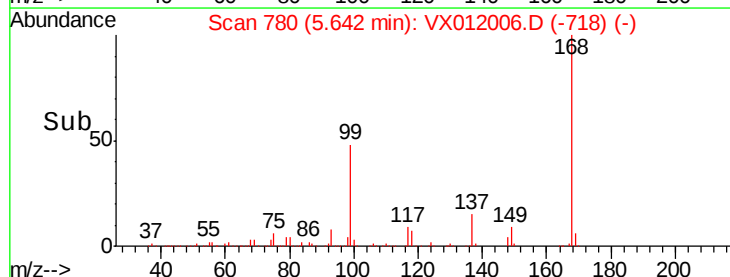
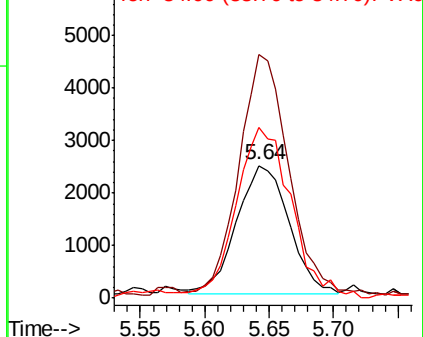


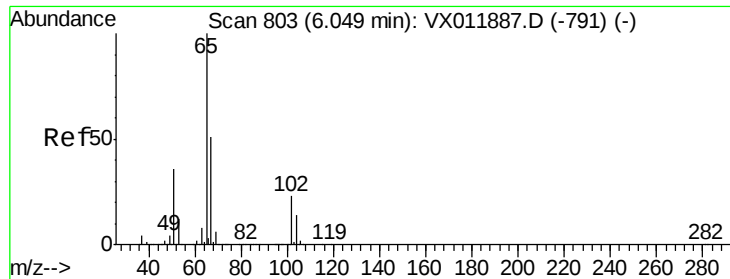
#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012006.D
Acq: 01 Sep 2019 21:43

Tgt Ion: 56 Resp: 6896
Ion Ratio Lower Upper
56 100
69 186.5 23.1 34.7#
84 130.1 69.6 104.4#



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: 41.438 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012006.D

Acq: 01 Sep 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

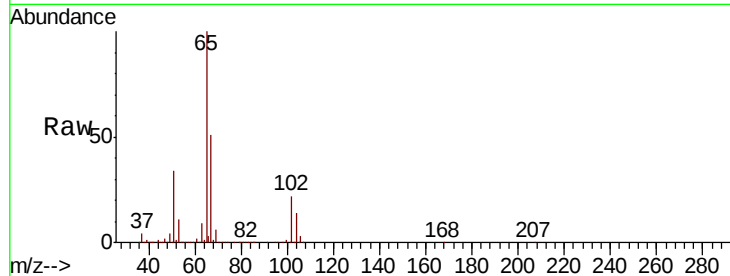
T9-12-13-A2-(0)

Tgt Ion: 65 Resp: 174780

Ion Ratio Lower Upper

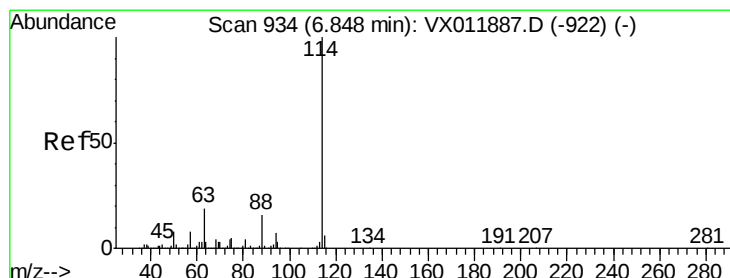
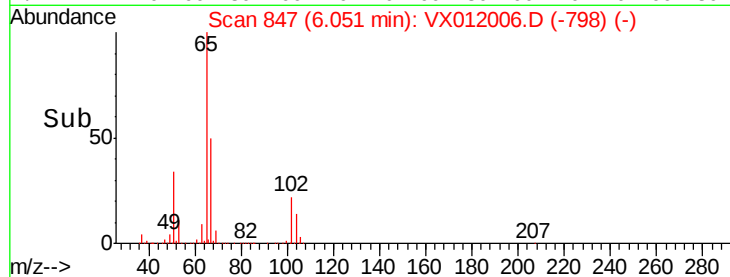
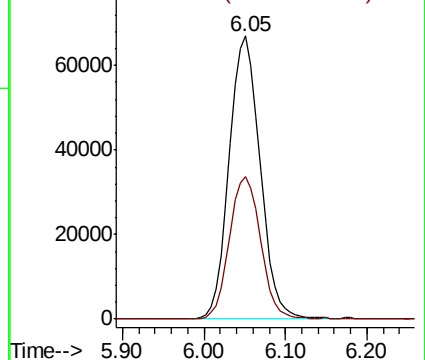
65 100

67 50.7 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: VX012006.D

Acq: 01 Sep 2019 21:43

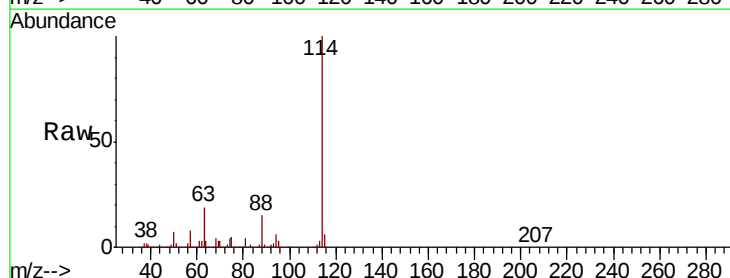
Tgt Ion: 114 Resp: 560771

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.8

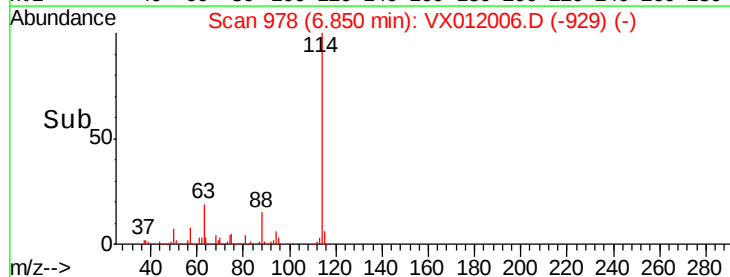
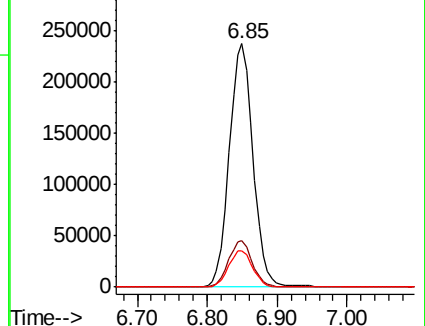
88 14.9 0.0 31.2

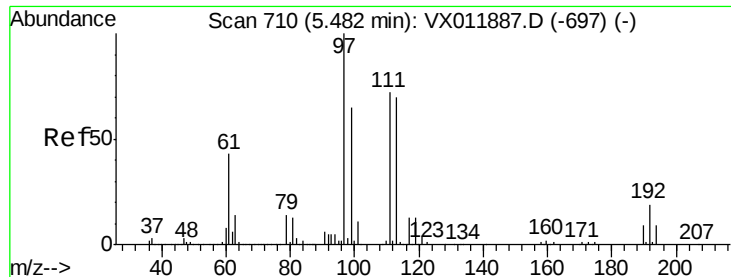


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.933 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012006.D

Acq: 01 Sep 2019 21:43

Instrument :

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ClientSampleId :

T9-12-13-A2-(0)

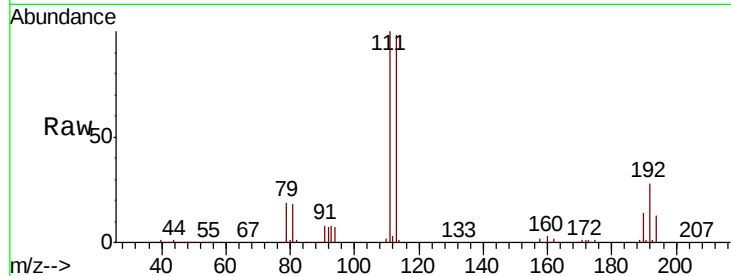
Tgt Ion:113 Resp: 161573

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

192 28.5 21.5 32.3

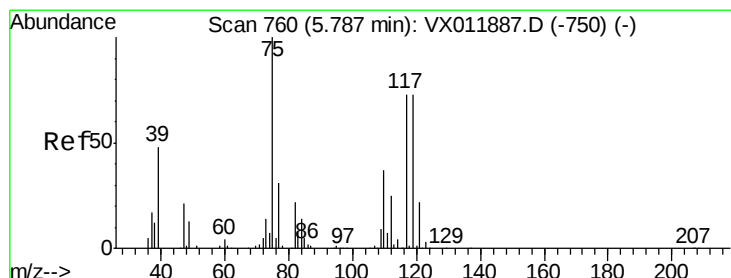
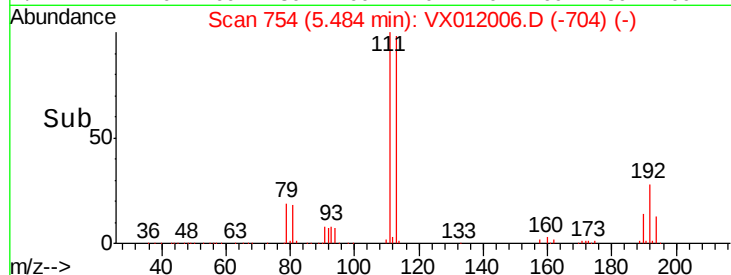
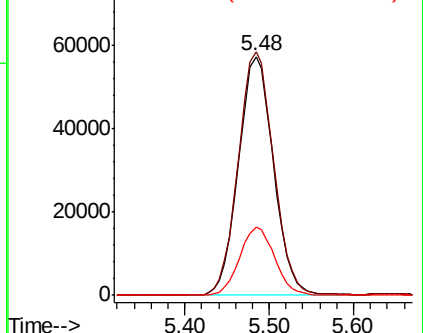


Abundance

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: 5.687 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.14 min

Lab File: VX012006.D

Acq: 01 Sep 2019 21:43

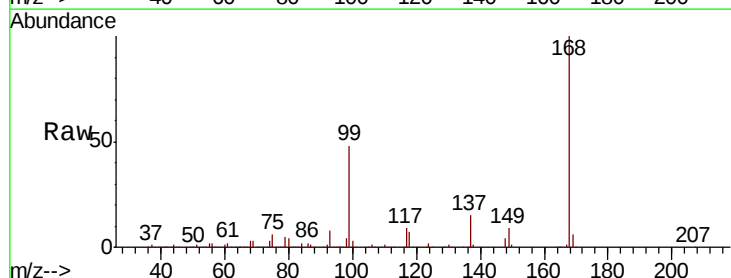
Tgt Ion: 75 Resp: 25264

Ion Ratio Lower Upper

75 100

110 11.3 19.1 57.3#

77 0.9 24.4 36.6#

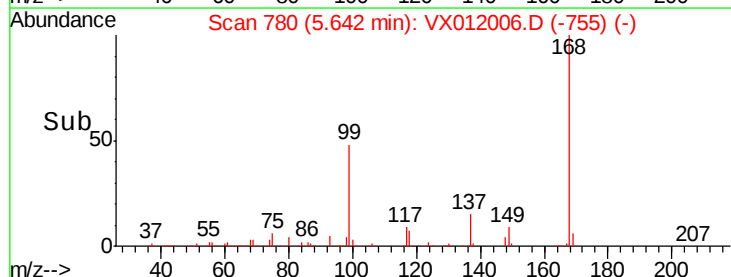
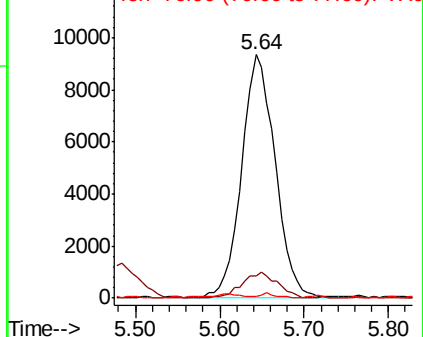


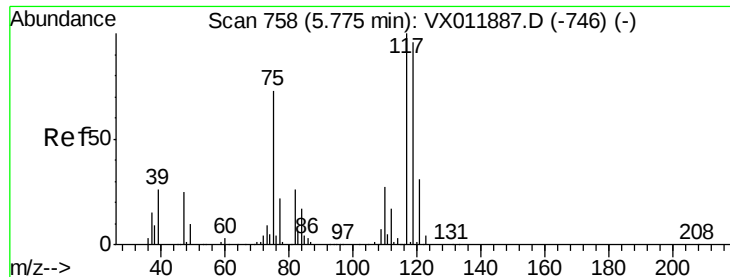
Abundance

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

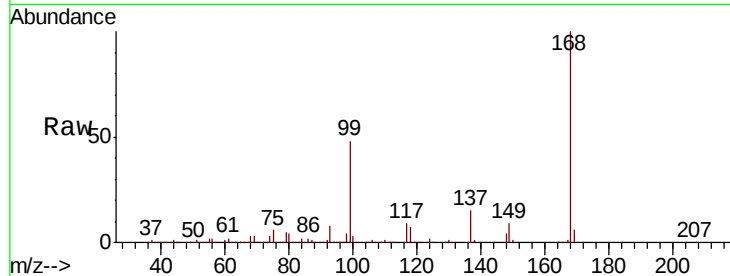




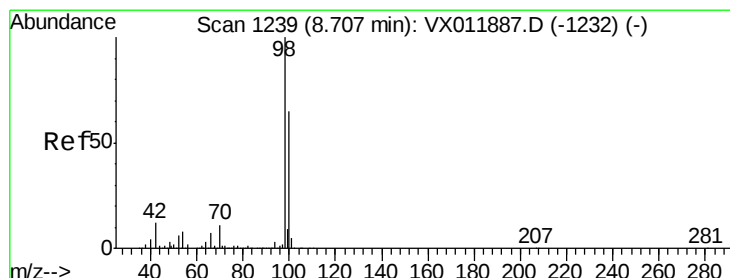
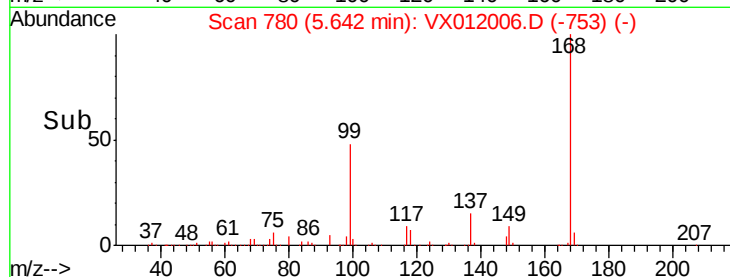
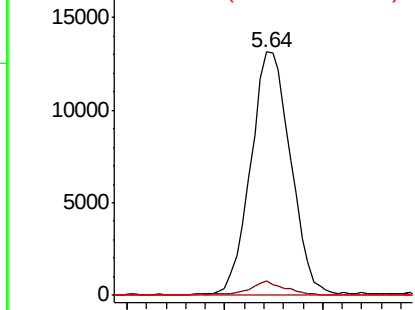
#38
Carbon Tetrachloride
Concen: 7.263 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012006.D
Acq: 01 Sep 2019 21:43

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-A2-(0)

Tgt Ion:117 Resp: 37423
Ion Ratio Lower Upper
117 100
119 5.8 76.6 114.8#
121 0.4 24.7 37.1#

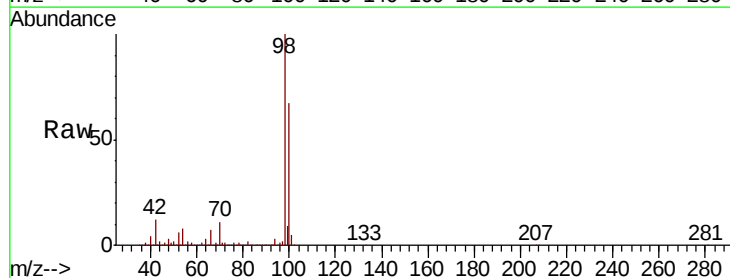


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

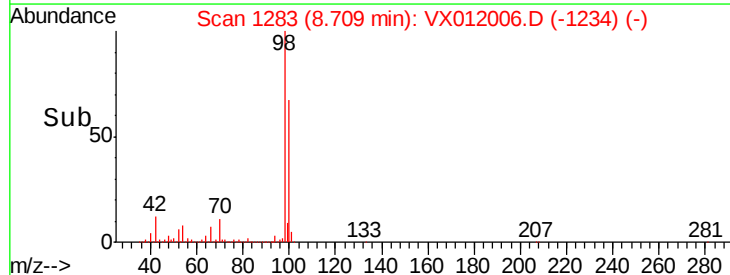
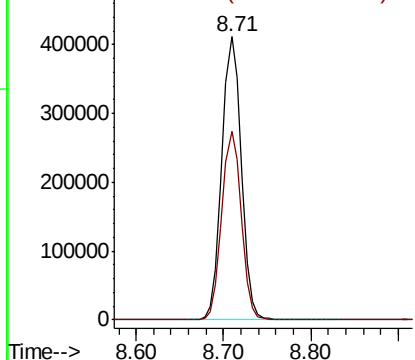


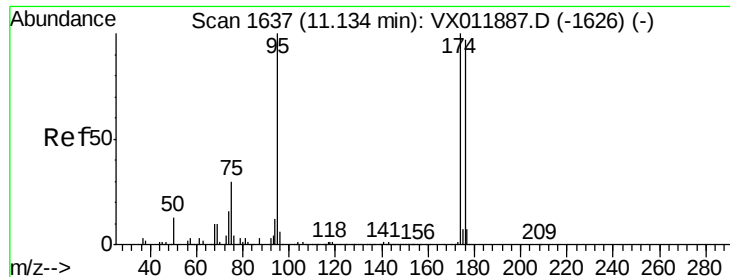
#50
Toluene-d8
Concen: 49.354 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012006.D
Acq: 01 Sep 2019 21:43

Tgt Ion: 98 Resp: 634405
Ion Ratio Lower Upper
98 100
100 66.5 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: 40.292 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012006.D

Acq: 01 Sep 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-A2-(0)

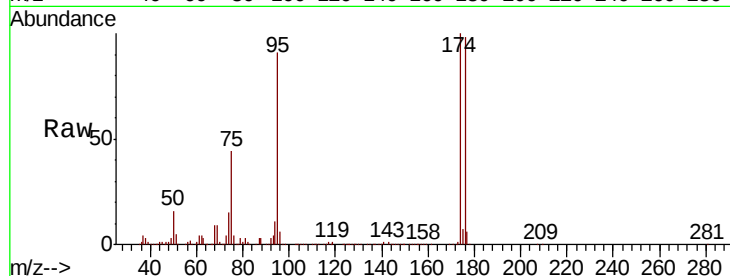
Tgt Ion: 95 Resp: 227194

Ion Ratio Lower Upper

95 100

174 102.4 0.0 196.0

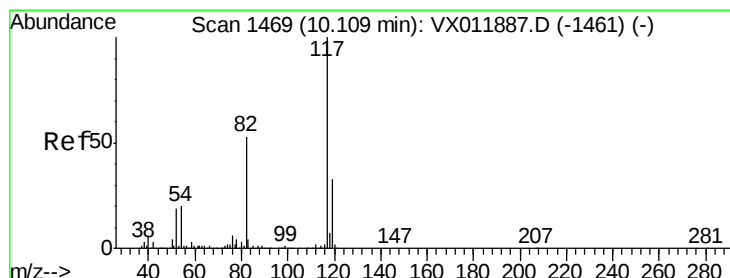
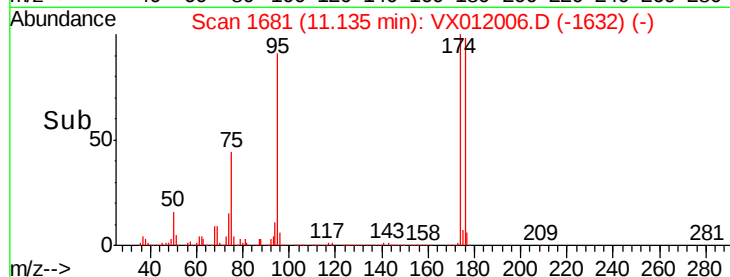
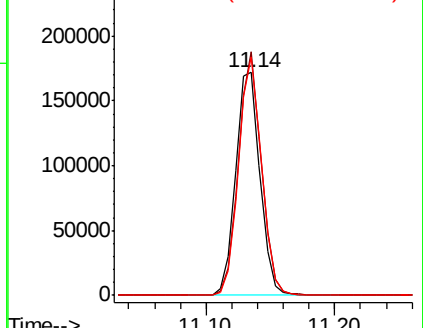
176 100.3 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

Ion 173.80 (173.50 to 174.50): VX011887.D (-1626) (-)

Ion 175.80 (175.50 to 176.50): VX011887.D (-1626) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VX012006.D

Acq: 01 Sep 2019 21:43

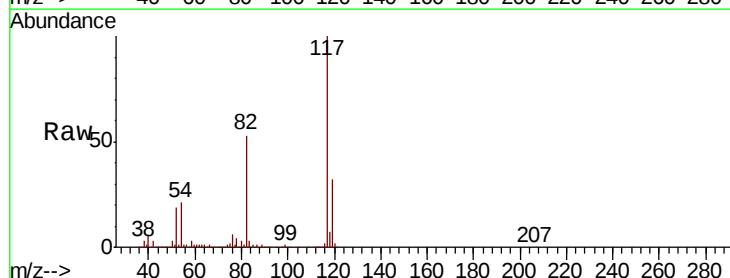
Tgt Ion: 117 Resp: 490278

Ion Ratio Lower Upper

117 100

82 52.5 42.0 63.0

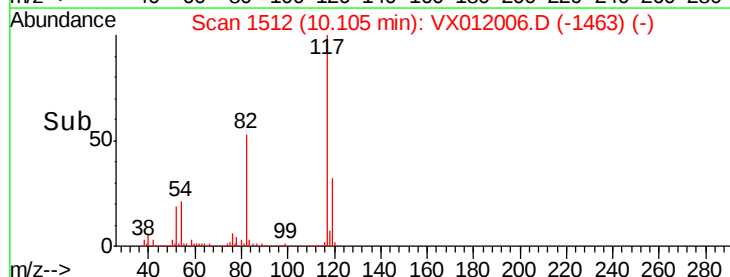
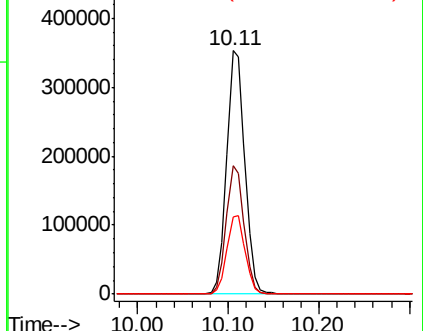
119 31.9 26.2 39.4

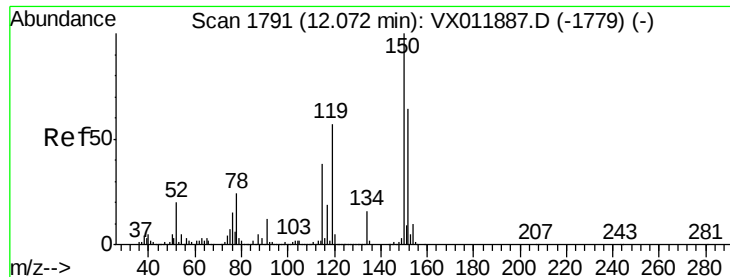


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011887.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011887.D (-1461) (-)



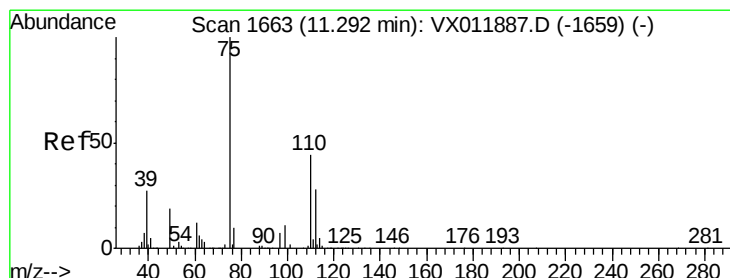
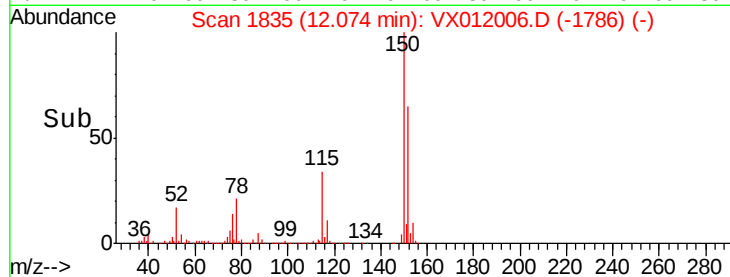
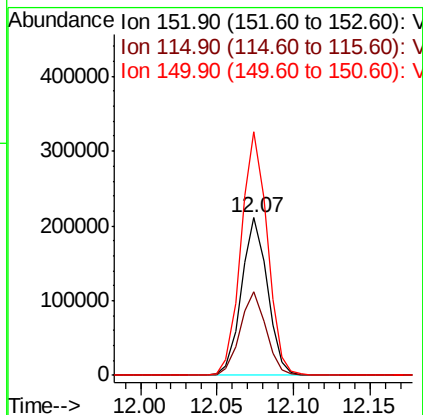
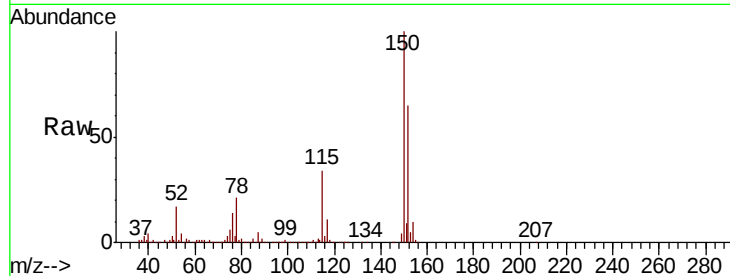


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012006.D
Acq: 01 Sep 2019 21:43

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-A2-(0)

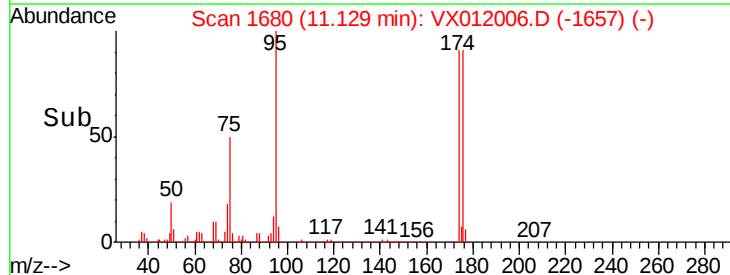
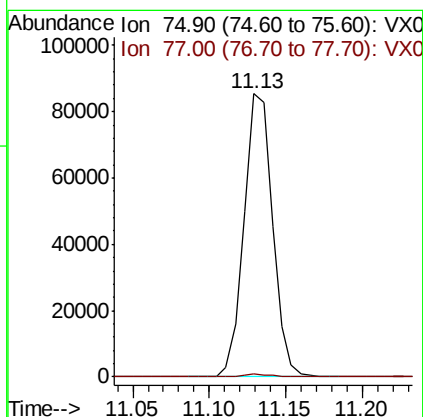
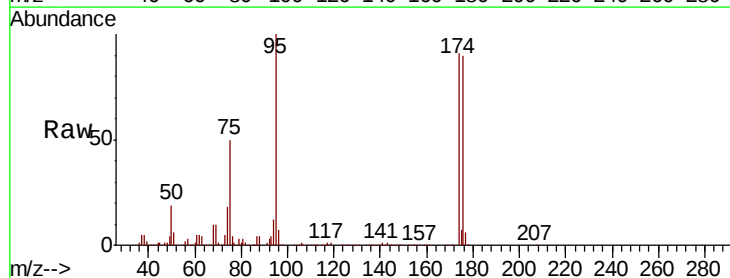
Tgt Ion: 152 Resp: 248226
Ion Ratio Lower Upper
152 100
115 52.8 37.1 111.3
150 156.3 0.0 339.6

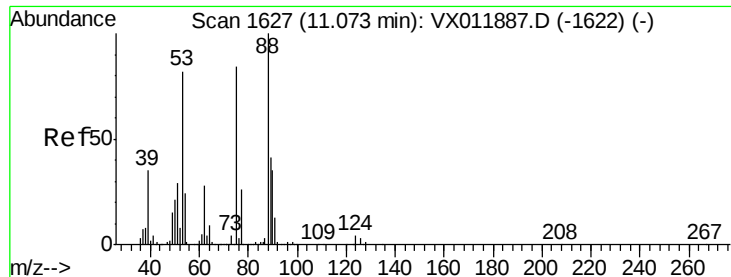


#76

1,2,3-Trichloropropane
Concen: 45.495 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX012006.D
Acq: 01 Sep 2019 21:43

Tgt Ion: 75 Resp: 111091
Ion Ratio Lower Upper
75 100
77 1.4 20.9 62.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 114.292 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012006.D

Acq: 01 Sep 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-A2-(0)

Tgt Ion: 75 Resp: 111091

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.2 57.2#

