

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011930.D
 Acq On : 31 Aug 2019 02:48
 Operator : SY/SP
 Sample : K4493-02
 Misc : 4.94g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 31 04:50:12 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	425929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	573303	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	501784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	260470	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	179272	43.93	ug/l	0.00
Spiked Amount			Recovery	=	87.86%	
35) Dibromofluoromethane	5.48	113	164865	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	
50) Toluene-d8	8.71	98	649198	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.14	95	238177	41.32	ug/l	0.00
Spiked Amount			Recovery	=	82.64%	

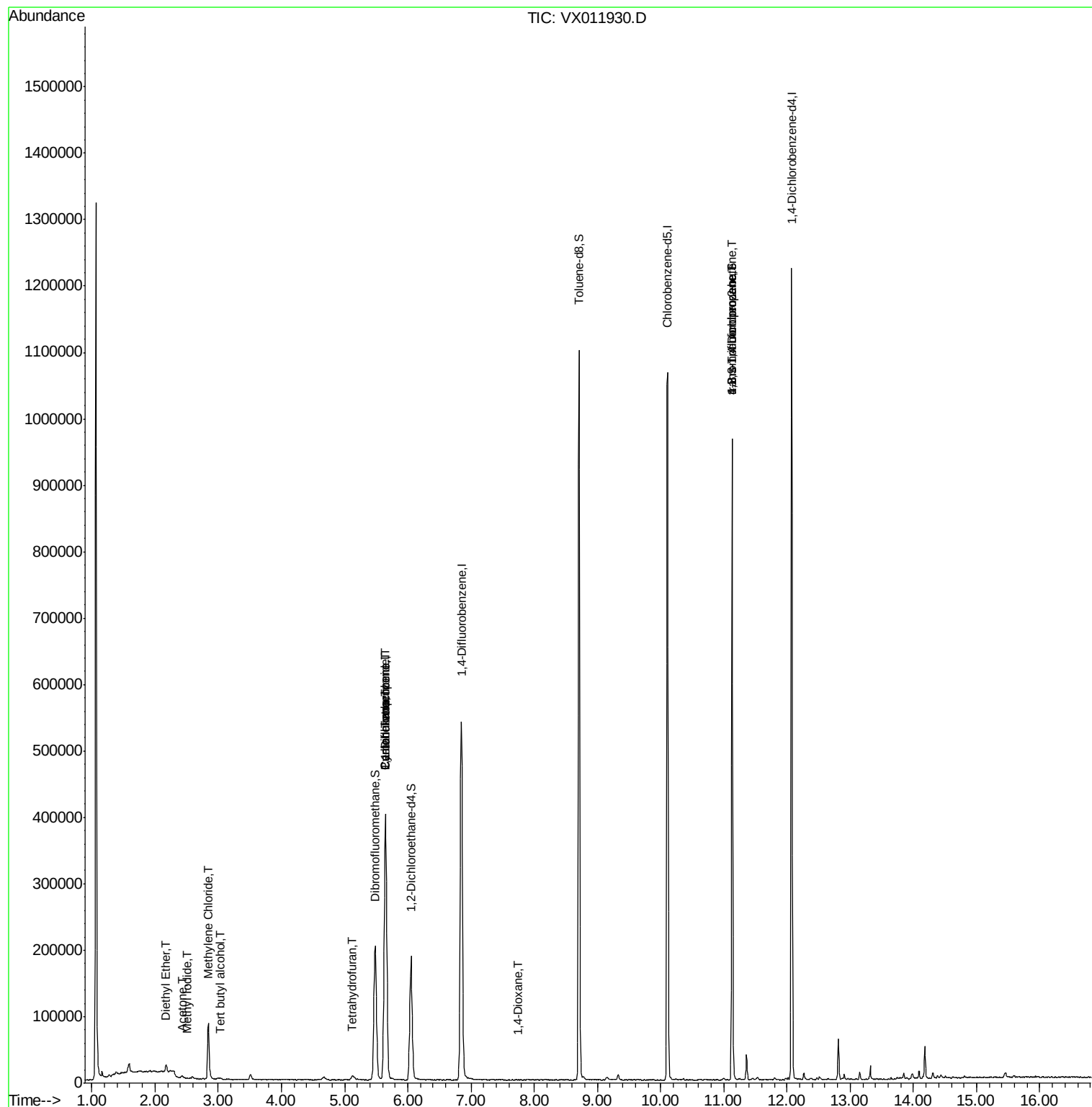
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2969	1.748	ug/l	84
10) Methyl Iodide	2.51	142	353	3.769	ug/l #	83
11) Tert butyl alcohol	3.03	59	3235	8.240	ug/l	97
16) Acetone	2.42	43	3069	3.495	ug/l	100
20) Methylene Chloride	2.84	84	40216	6.458	ug/l	96
29) Tetrahydrofuran	5.12	42	6233	7.809	ug/l #	89
31) Cyclohexane	5.64	56	6993	1.372	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	26358	5.803	ug/l #	51
38) Carbon Tetrachloride	5.64	117	36864	6.998	ug/l #	15
49) 1,4-Dioxane	7.75	88	42	1.152	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	118291	46.167	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	118291	115.979	ug/l #	11

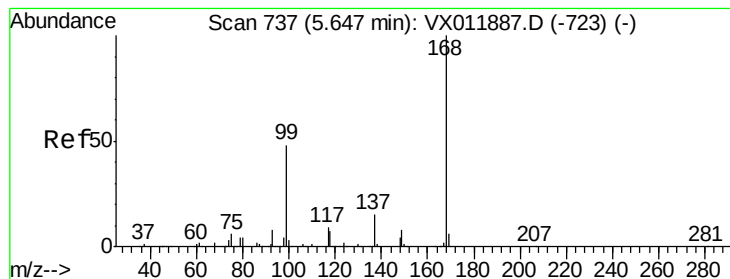
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
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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: VX011930.D

Acq: 31 Aug 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

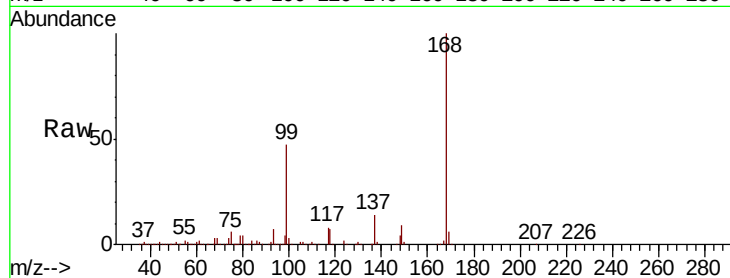
T9-12-13-H-(0)

Tgt Ion:168 Resp: 425929

Ion Ratio Lower Upper

168 100

99 47.2 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

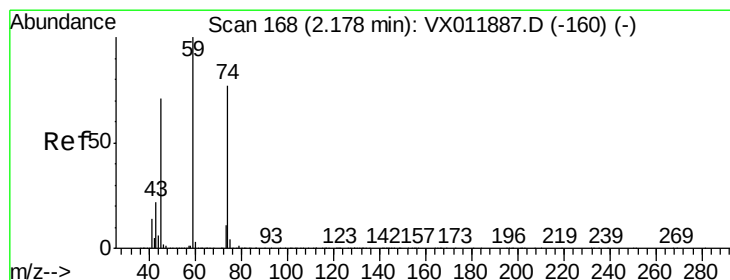
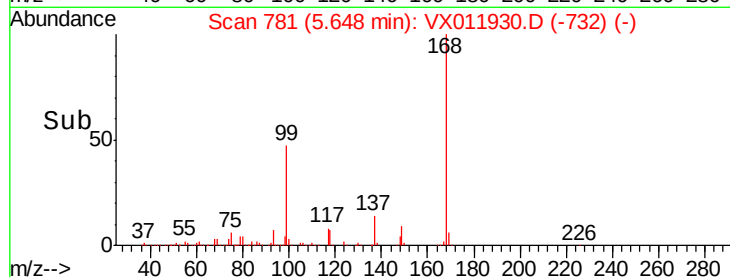
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.748 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011930.D

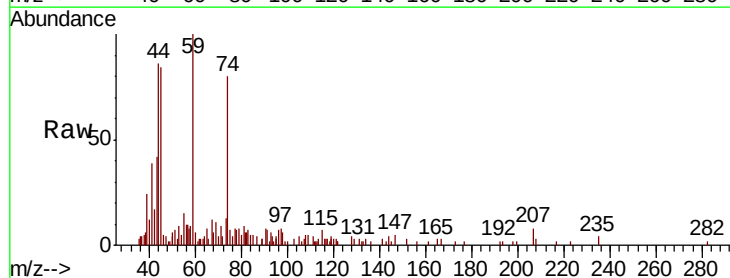
Acq: 31 Aug 2019 02:48

Tgt Ion: 74 Resp: 2969

Ion Ratio Lower Upper

74 100

45 108.4 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

2500

2000

1500

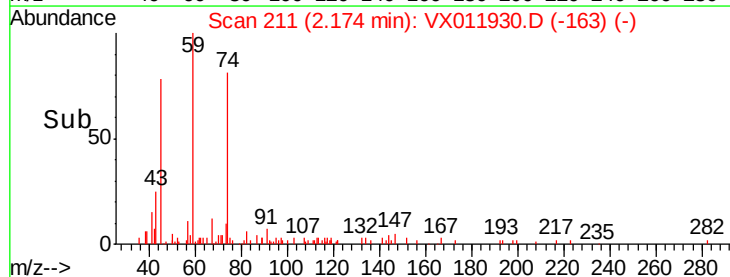
1000

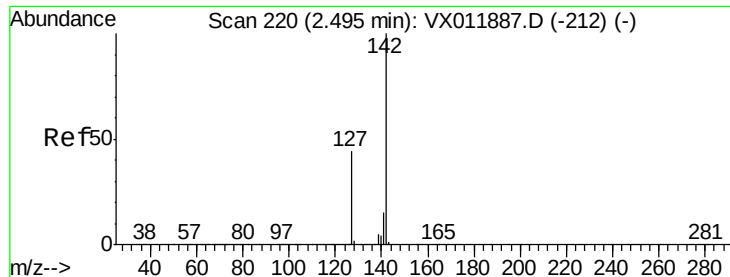
500

0

Time-->

2.15 2.20

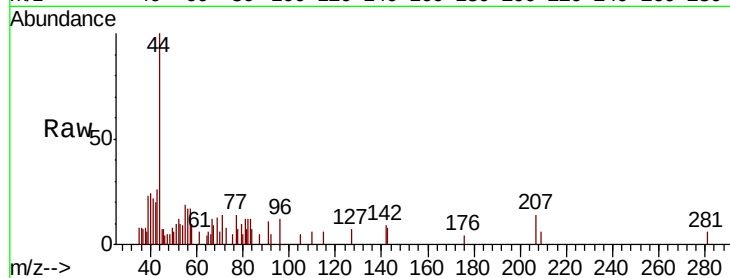




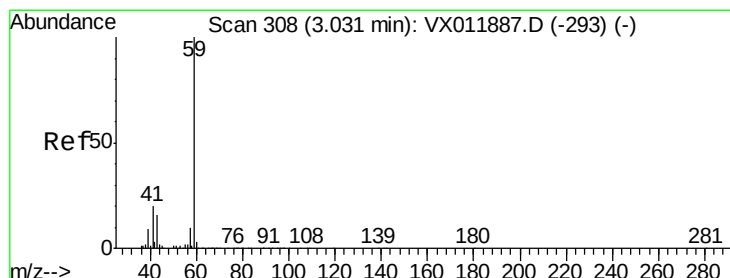
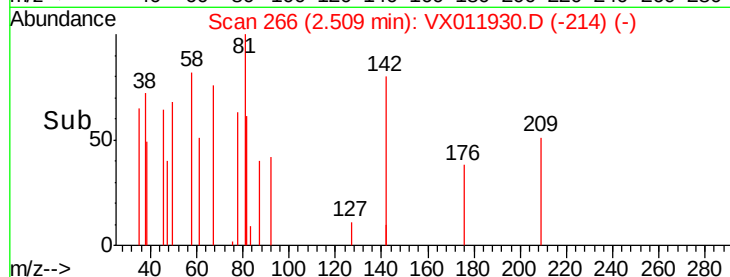
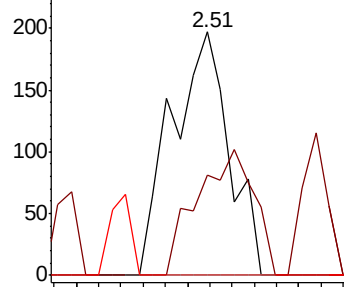
#10
Methyl Iodide
Concen: 3.769 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX011930.D
Acq: 31 Aug 2019 02:48

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

Tgt Ion:142 Resp: 353
Ion Ratio Lower Upper
142 100
127 51.3 35.7 53.5
141 0.0 11.8 17.6#

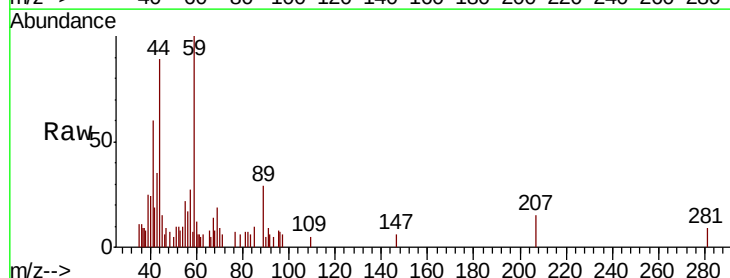


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

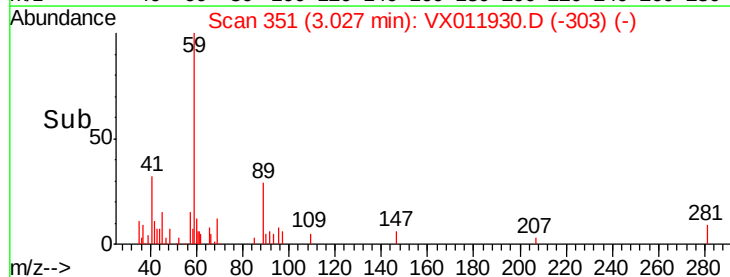
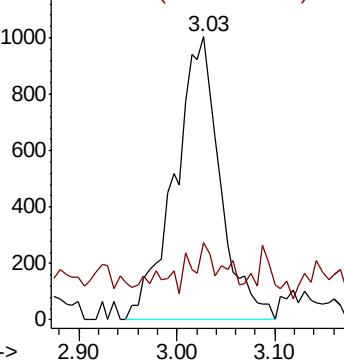


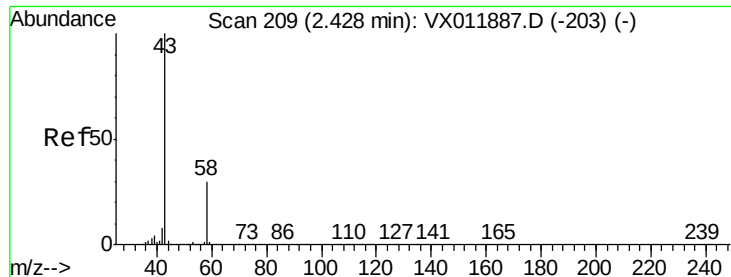
#11
Tert butyl alcohol
Concen: 8.240 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011930.D
Acq: 31 Aug 2019 02:48

Tgt Ion: 59 Resp: 3235
Ion Ratio Lower Upper
59 100
57 11.9 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.495 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.00 min

Lab File: VX011930.D

Acq: 31 Aug 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

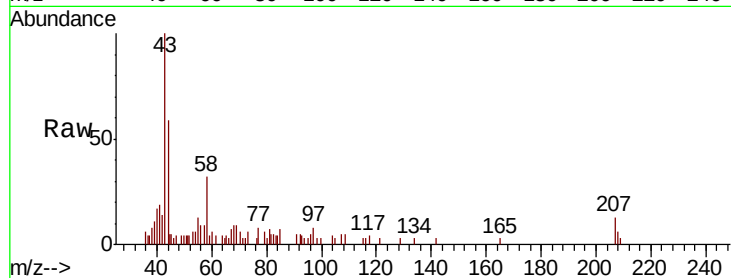
T9-12-13-H-(0)

Tgt Ion: 43 Resp: 3069

Ion Ratio Lower Upper

43 100

58 29.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

2000

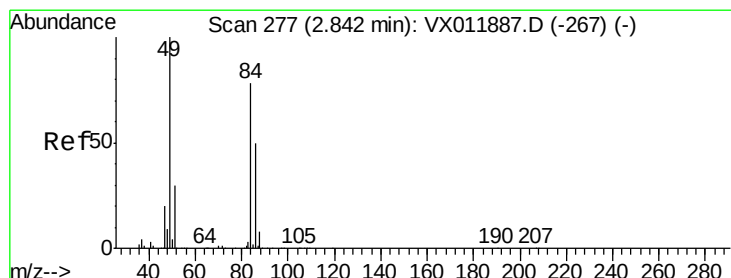
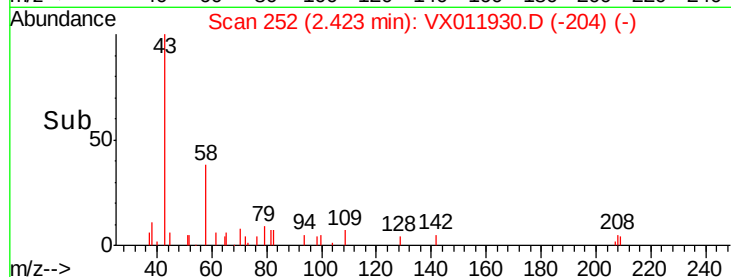
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 6.458 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX011930.D

Acq: 31 Aug 2019 02:48

Tgt Ion: 84 Resp: 40216

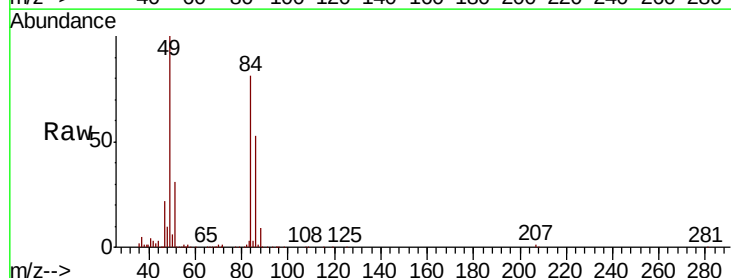
Ion Ratio Lower Upper

84 100

49 123.1 103.0 154.4

51 37.3 30.8 46.2

86 65.7 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

40000

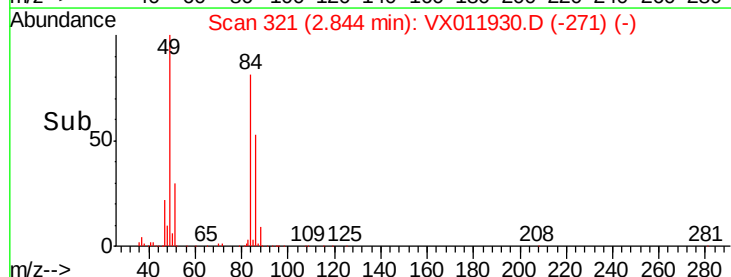
30000

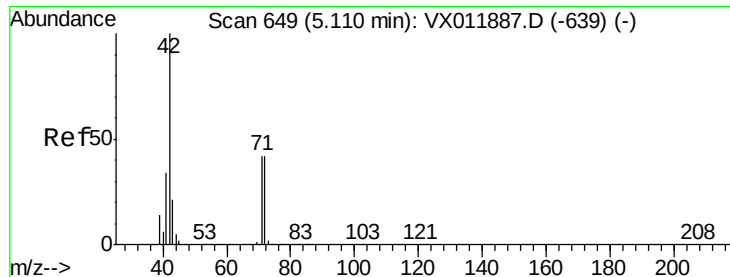
20000

10000

0

Time--> 2.70 2.80 2.90





#29

Tetrahydrofuran

Concen: 7.809 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011930.D

Acq: 31 Aug 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-H-(0)

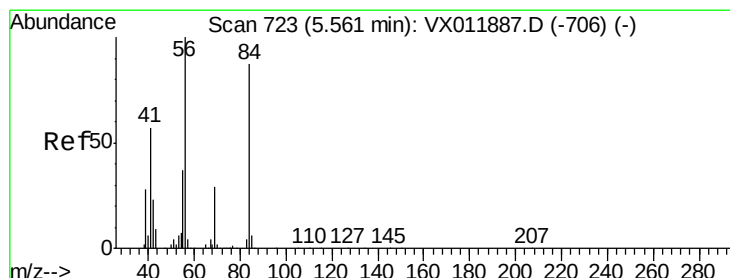
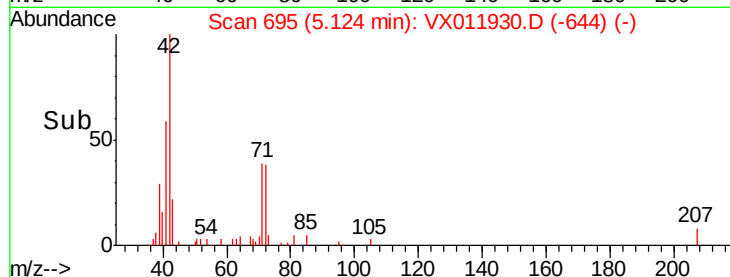
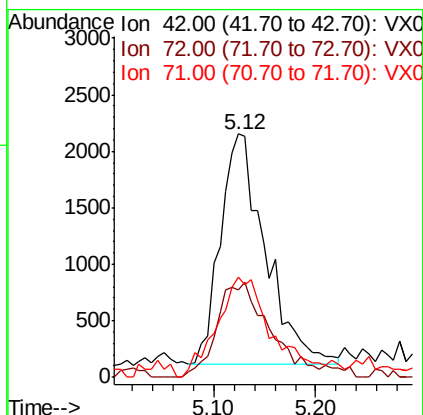
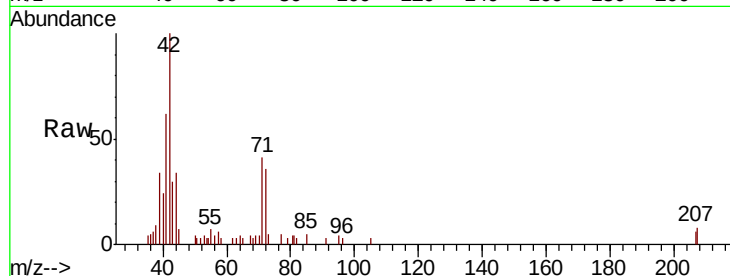
Tgt Ion: 42 Resp: 6233

Ion Ratio Lower Upper

42 100

72 48.4 36.2 54.4

71 53.0 33.1 49.7#



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX011930.D

Acq: 31 Aug 2019 02:48

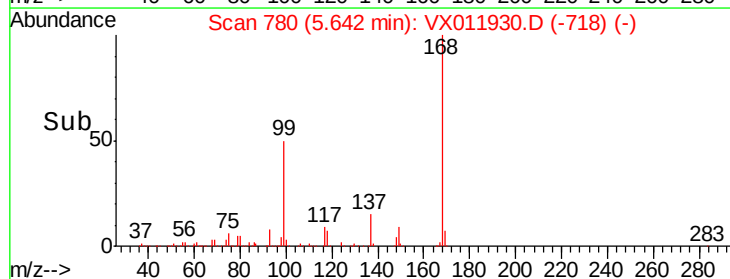
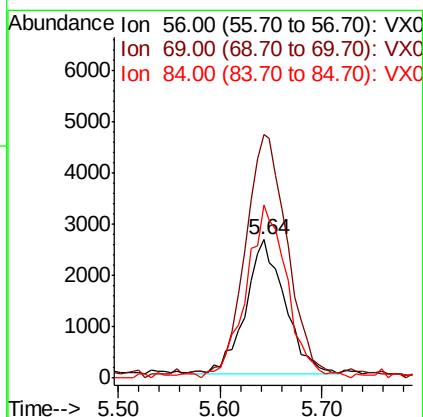
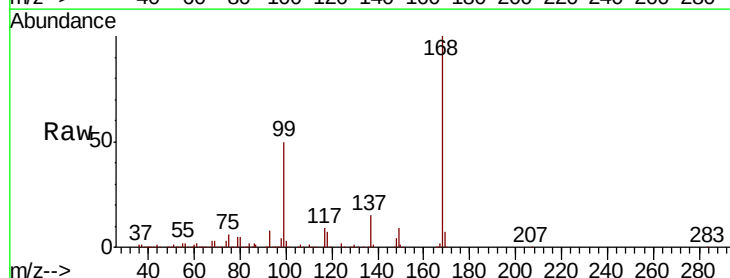
Tgt Ion: 56 Resp: 6993

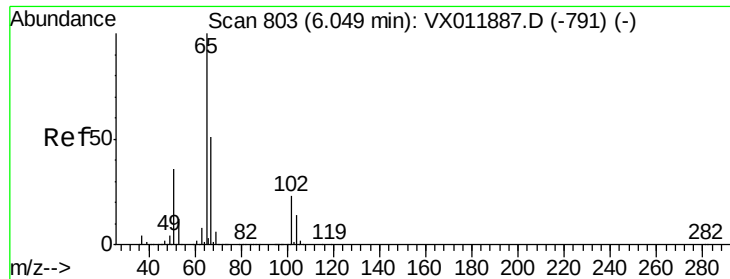
Ion Ratio Lower Upper

56 100

69 178.0 23.1 34.7#

84 126.2 69.6 104.4#

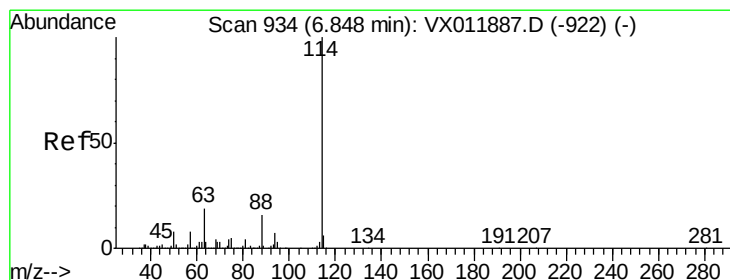
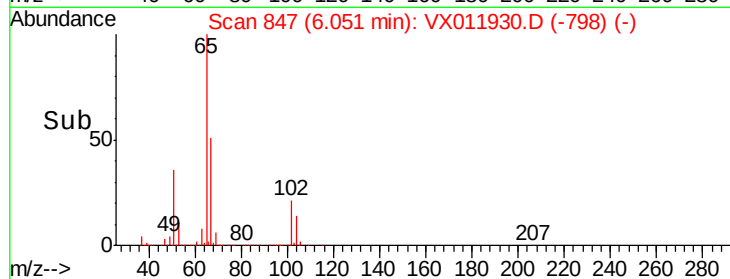
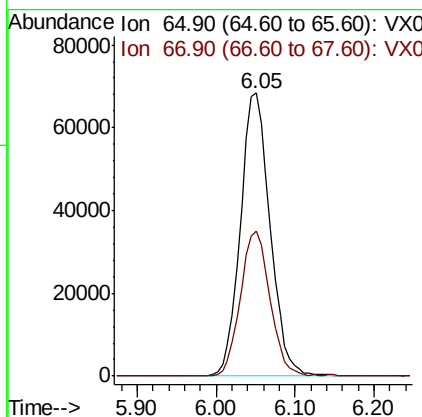
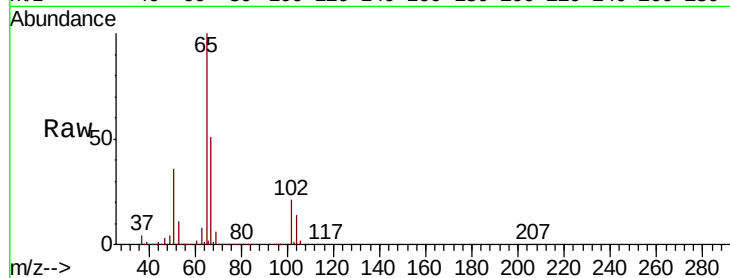




#33
 1,2-Dichloroethane-d4
 Concen: 43.930 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011930.D
 Acq: 31 Aug 2019 02:48

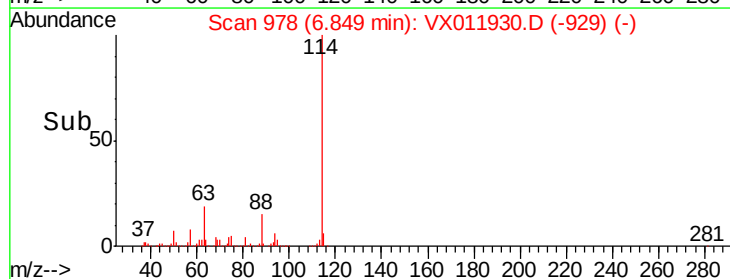
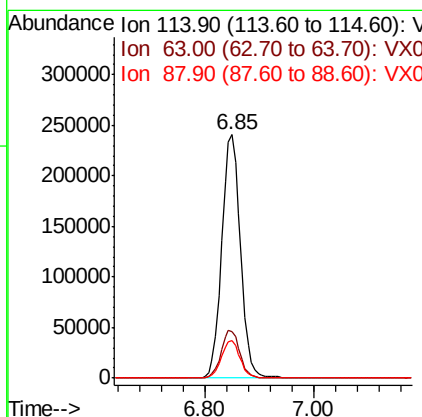
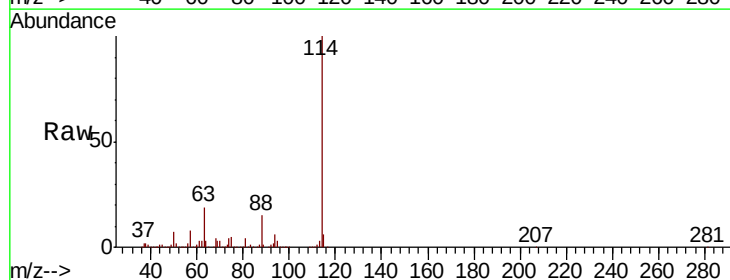
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-H-(0)

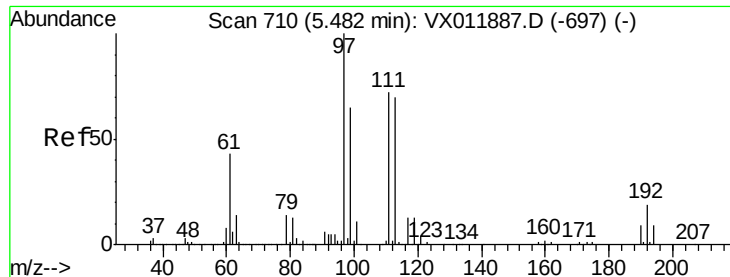
Tgt Ion: 65 Resp: 179272
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011930.D
 Acq: 31 Aug 2019 02:48

Tgt Ion: 114 Resp: 573303
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.8
 88 15.4 0.0 31.2

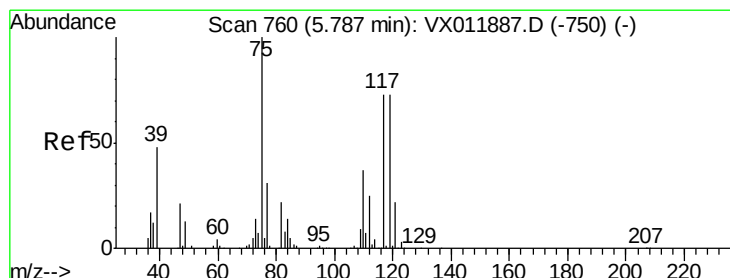
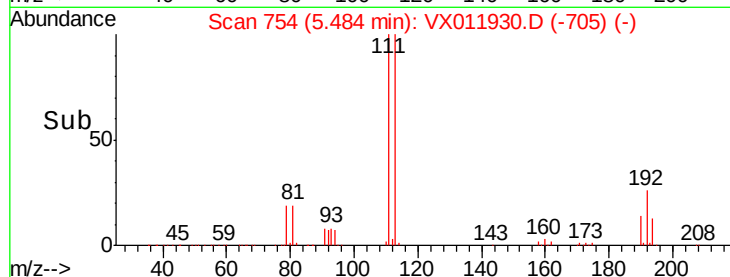
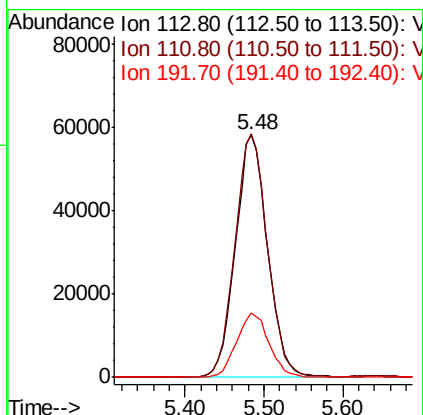
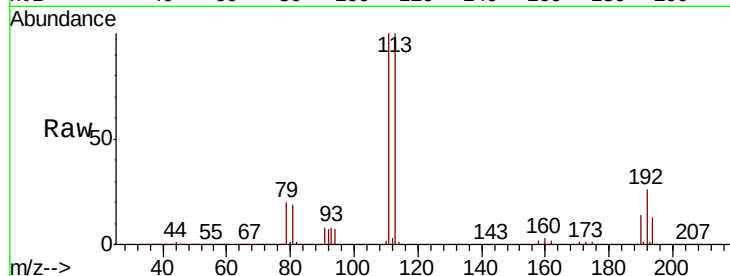




#35
 Dibromofluoromethane
 Concen: 44.846 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011930.D
 Acq: 31 Aug 2019 02:48

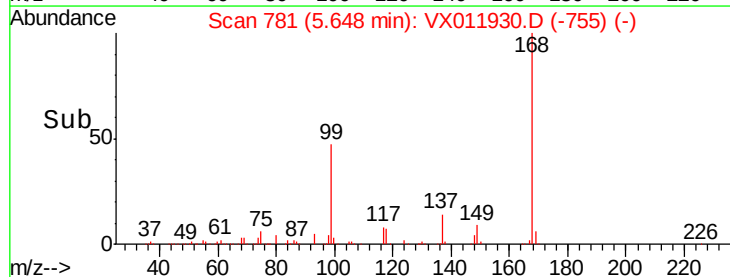
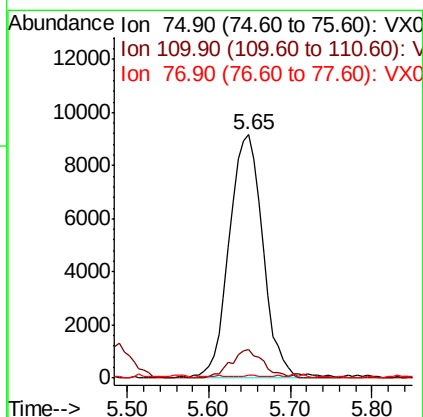
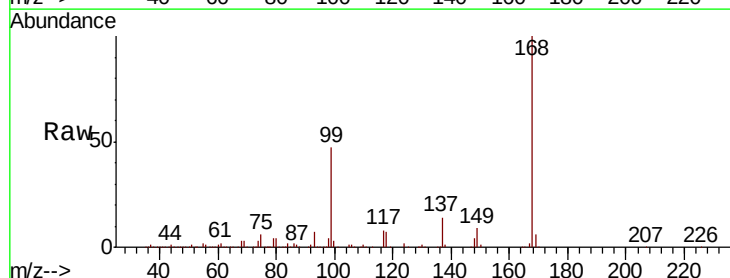
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-H-(0)

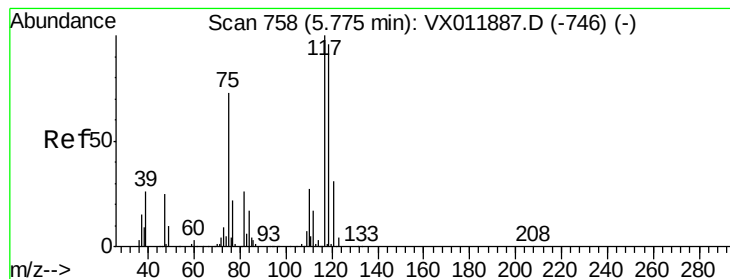
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.1	123.1
192	26.9	21.5	32.3



#36
 1,1-Dichloropropene
 Concen: 5.803 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX011930.D
 Acq: 31 Aug 2019 02:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	19.1	57.3#
77	0.5	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.998 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX011930.D

Acq: 31 Aug 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-H-(0)

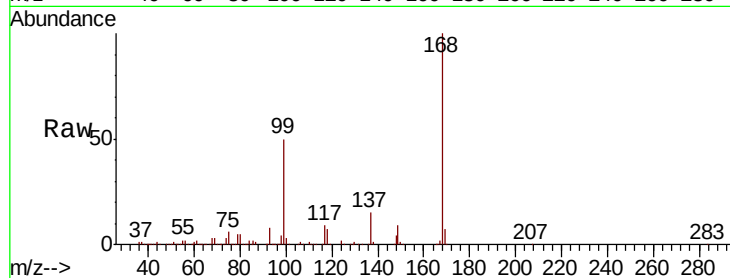
Tgt Ion:117 Resp: 36864

Ion Ratio Lower Upper

117 100

119 4.0 76.6 114.8#

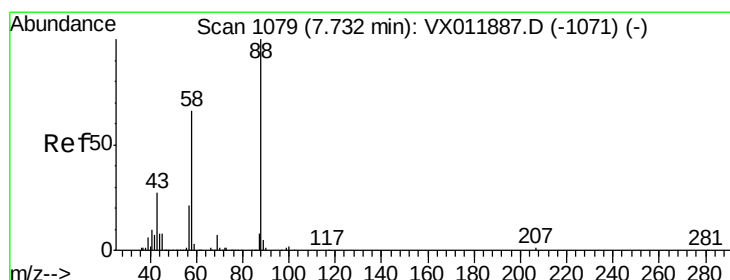
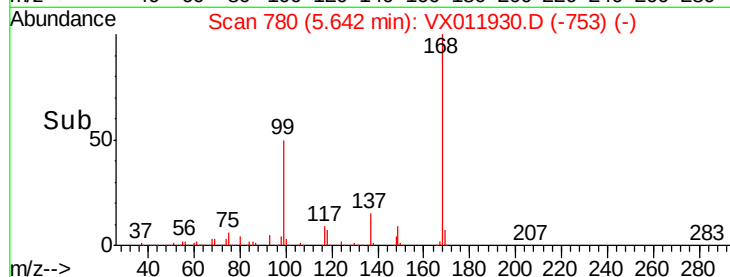
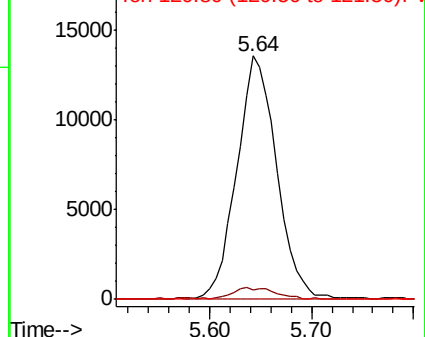
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 1.152 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX011930.D

Acq: 31 Aug 2019 02:48

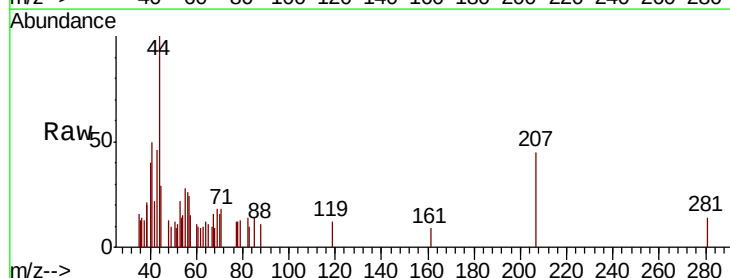
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 27.3 40.9#

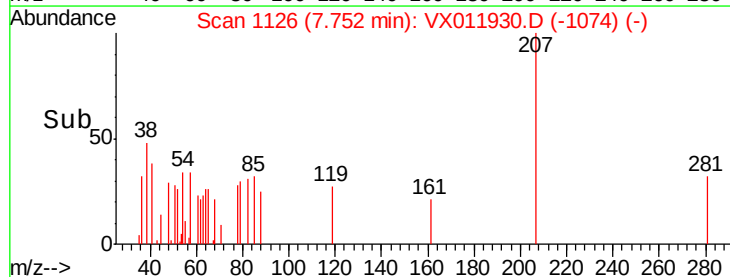
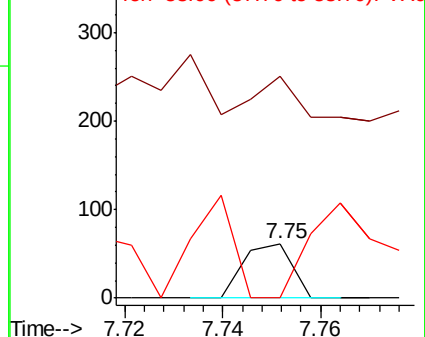
58 321.4 53.9 80.9#

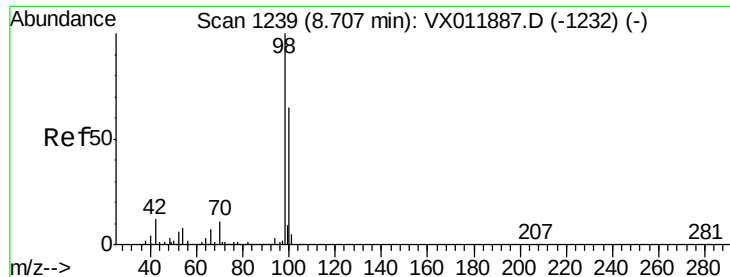


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

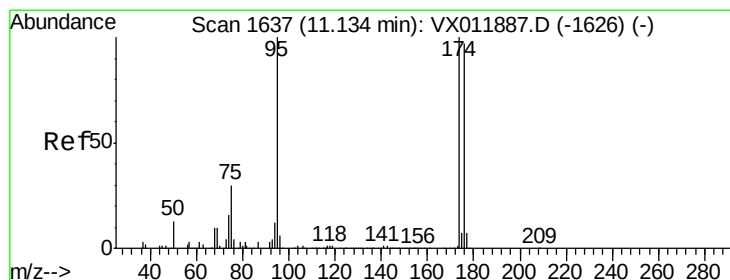
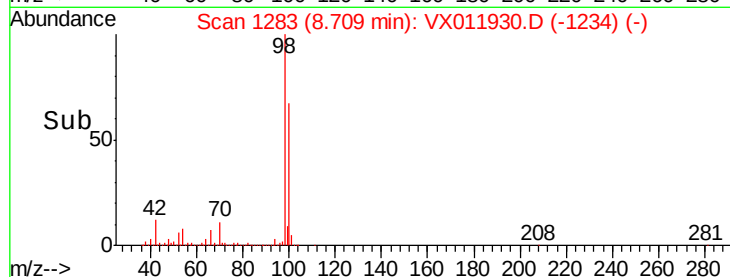
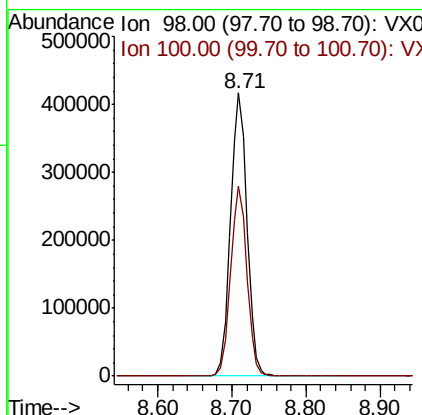
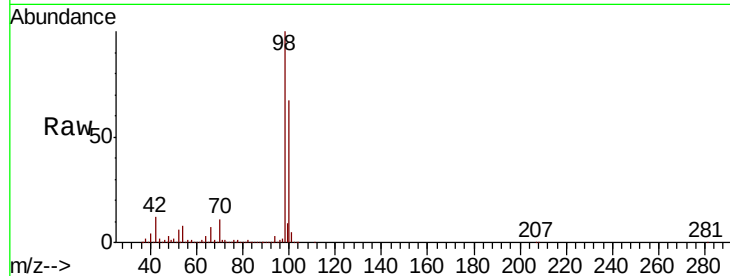




#50
Toluene-d8
Concen: 49.401 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011930.D
Acq: 31 Aug 2019 02:48

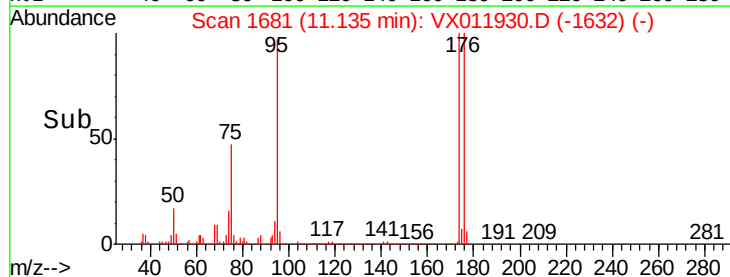
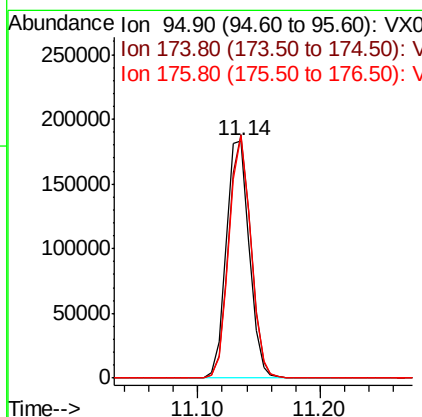
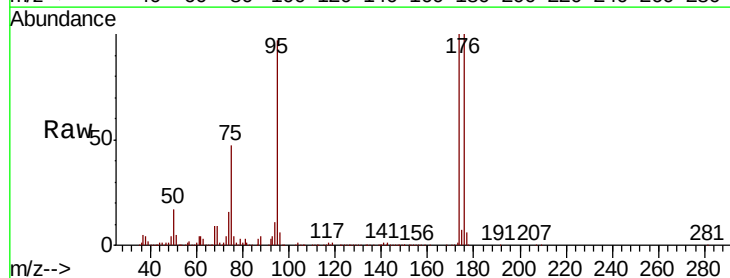
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-H-(0)

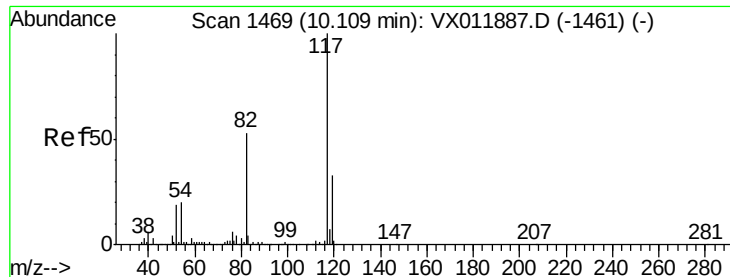
Tgt Ion: 98 Resp: 649198
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 41.317 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX011930.D
Acq: 31 Aug 2019 02:48

Tgt Ion: 95 Resp: 238177
Ion Ratio Lower Upper
95 100
174 98.4 0.0 196.0
176 96.6 0.0 191.4

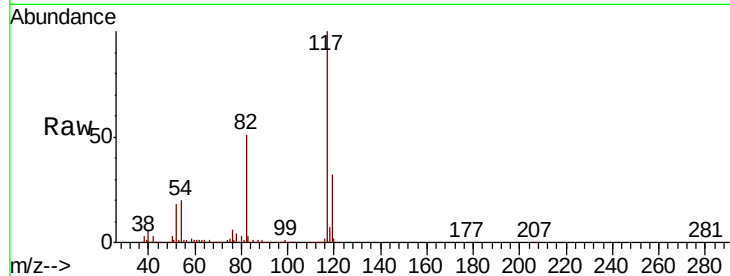




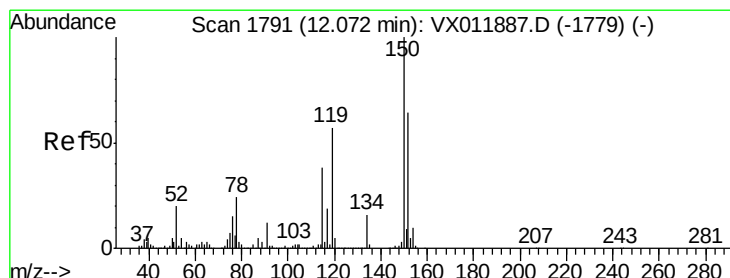
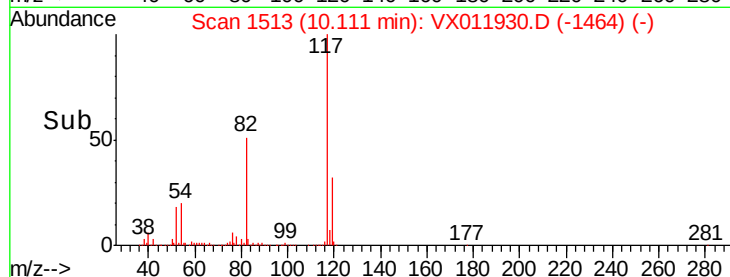
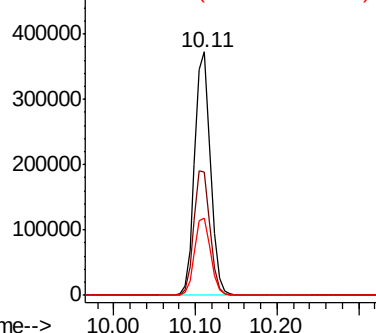
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011930.D
Acq: 31 Aug 2019 02:48

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

Tgt Ion:117 Resp: 501784
Ion Ratio Lower Upper
117 100
82 50.6 42.0 63.0
119 31.9 26.2 39.4

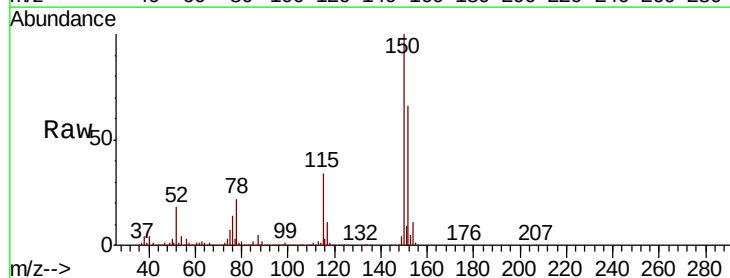


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

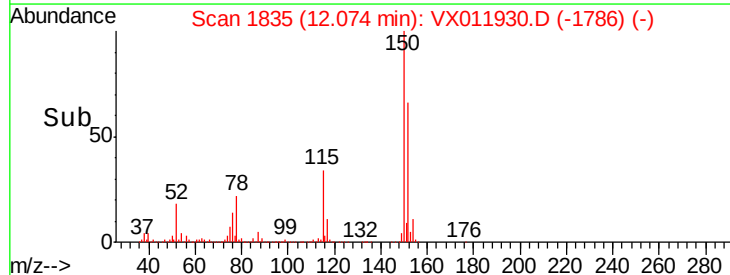
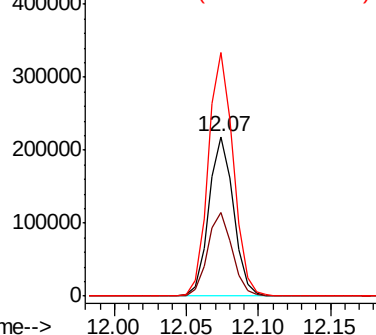


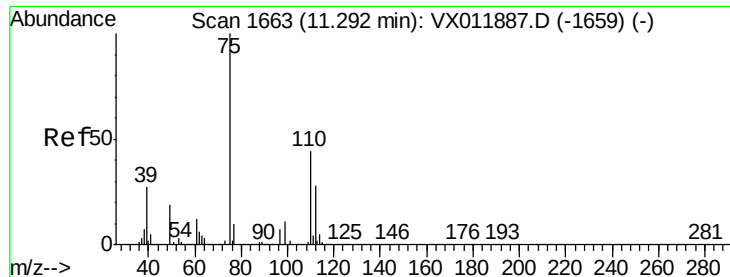
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011930.D
Acq: 31 Aug 2019 02:48

Tgt Ion:152 Resp: 260470
Ion Ratio Lower Upper
152 100
115 52.7 37.1 111.3
150 155.2 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: 46.167 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX011930.D

Acq: 31 Aug 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

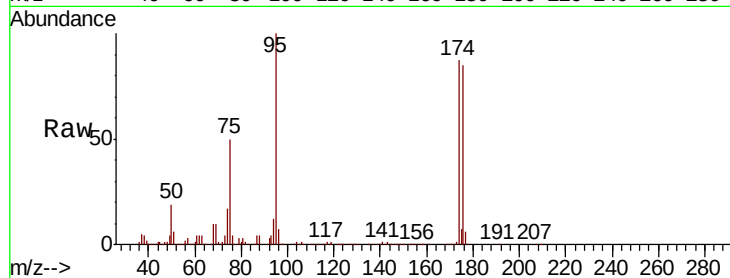
T9-12-13-H-(0)

Tgt Ion: 75 Resp: 118291

Ion Ratio Lower Upper

75 100

77 1.4 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

100000

80000

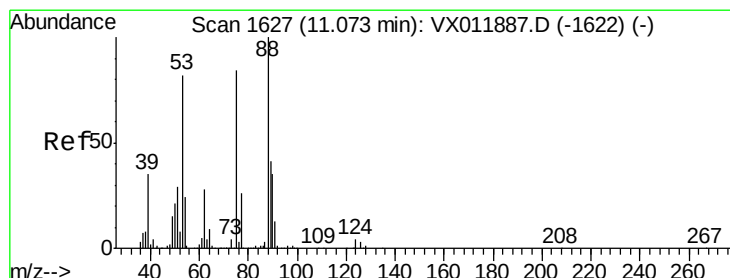
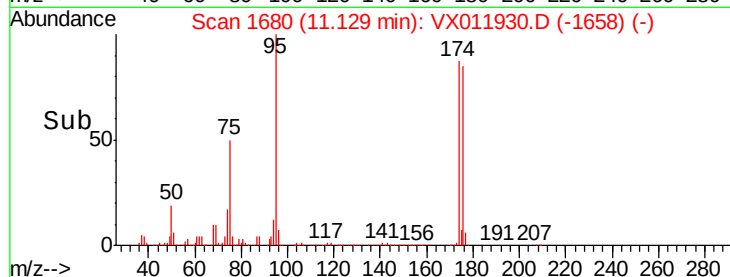
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 115.979 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011930.D

Acq: 31 Aug 2019 02:48

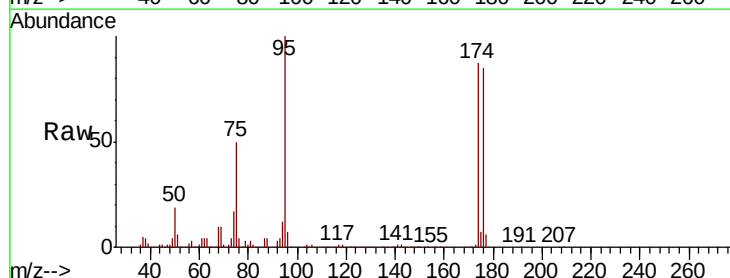
Tgt Ion: 75 Resp: 118291

Ion Ratio Lower Upper

75 100

53 0.1 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

11.13

120000

100000

80000

60000

40000

20000

0

Time-->

