

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011931.D
 Acq On : 31 Aug 2019 03:16
 Operator : SY/SP
 Sample : K4493-03
 Misc : 5.73g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 31 04:50:24 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	432680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	577927	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	506714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	262289	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	184927	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	
35) Dibromofluoromethane	5.48	113	167550	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
50) Toluene-d8	8.71	98	654650	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	11.13	95	241082	41.49	ug/l	0.00
Spiked Amount			Recovery	=	82.98%	

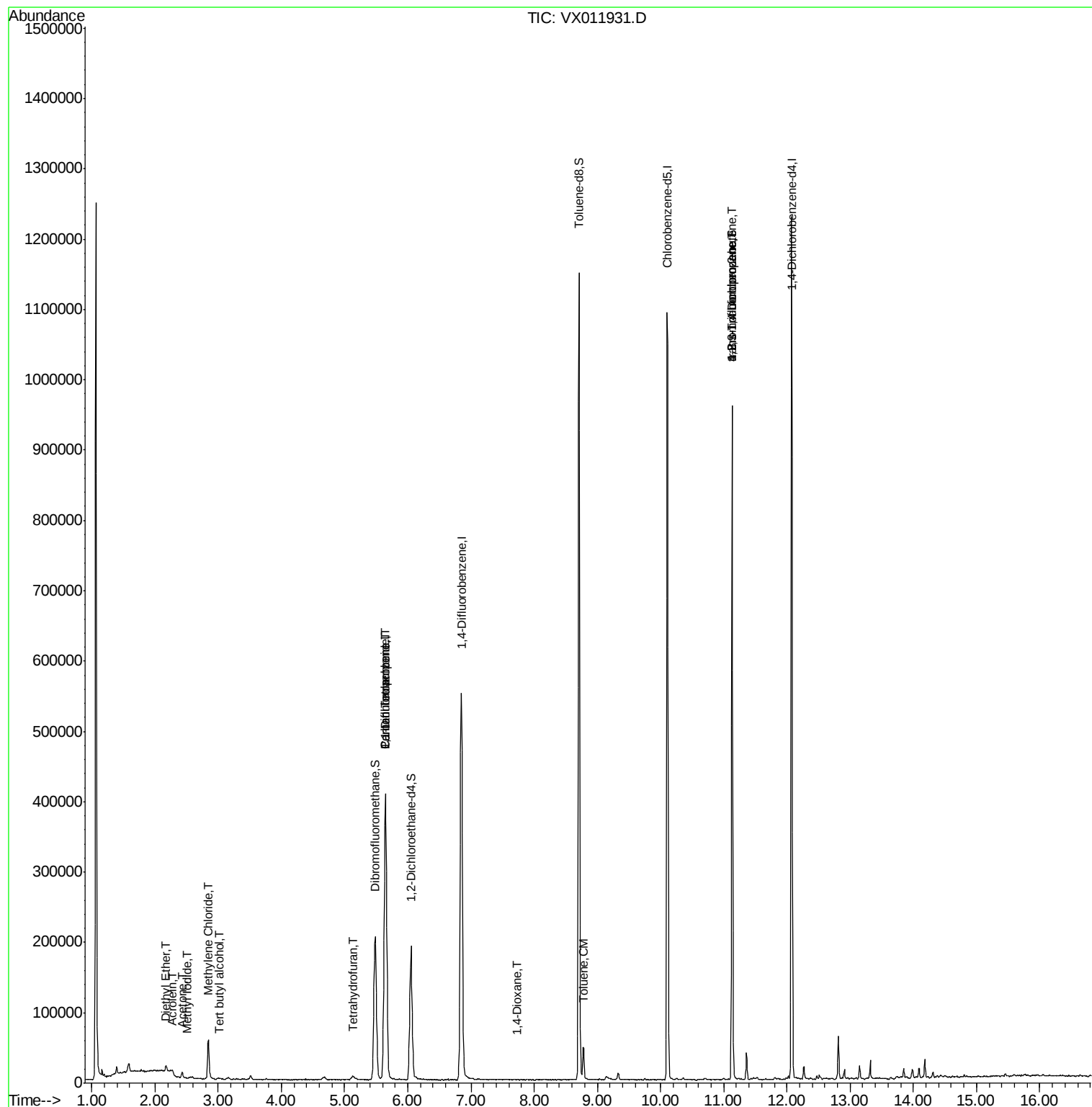
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2784	1.614	ug/l	80
10) Methyl Iodide	2.50	142	314	3.758	ug/l #	67
11) Tert butyl alcohol	3.02	59	2502	6.273	ug/l #	85
13) Acrolein	2.27	56	200	1.008	ug/l #	1
16) Acetone	2.43	43	8954	10.039	ug/l	100
20) Methylene Chloride	2.84	84	26272	2.209	ug/l	96
29) Tetrahydrofuran	5.13	42	5147	6.348	ug/l #	88
36) 1,1-Dichloropropene	5.65	75	26734	5.839	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37377	7.039	ug/l #	15
49) 1,4-Dioxane	7.72	88	48	1.306	ug/l #	1
52) Toluene	8.78	92	16970	1.877	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	120958	46.880	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	120958	117.771	ug/l #	11

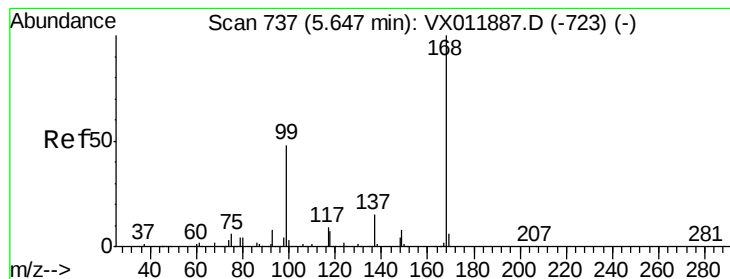
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
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T9-12-13-H-(1.9)

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Quant Title : SW846 8260
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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: VX011931.D

Acq: 31 Aug 2019 03:16

Instrument :

MSVOA_X

ClientSampleId :

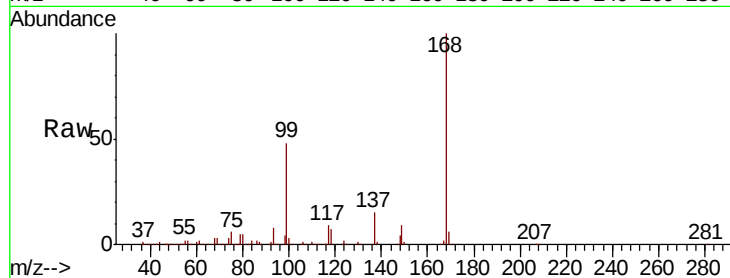
T9-12-13-H-(1.9)

Tgt Ion:168 Resp: 432680

Ion Ratio Lower Upper

168 100

99 48.2 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

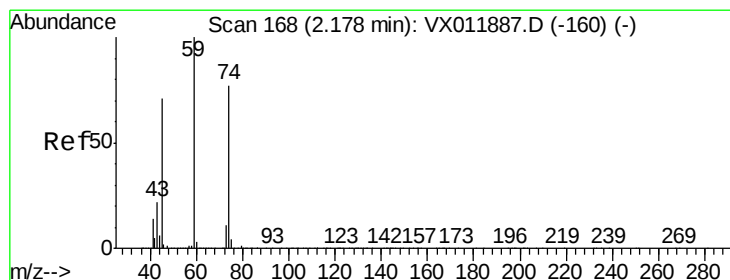
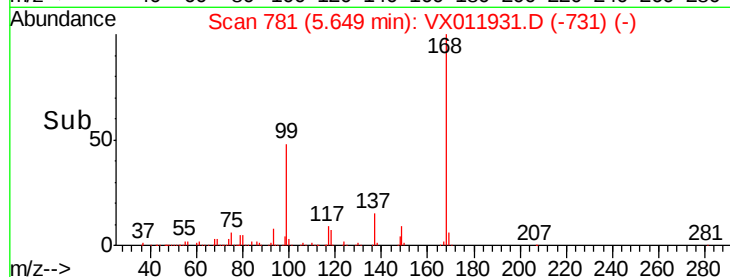
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.614 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011931.D

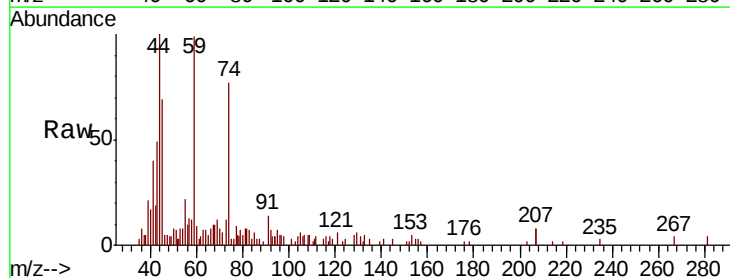
Acq: 31 Aug 2019 03:16

Tgt Ion: 74 Resp: 2784

Ion Ratio Lower Upper

74 100

45 74.2 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

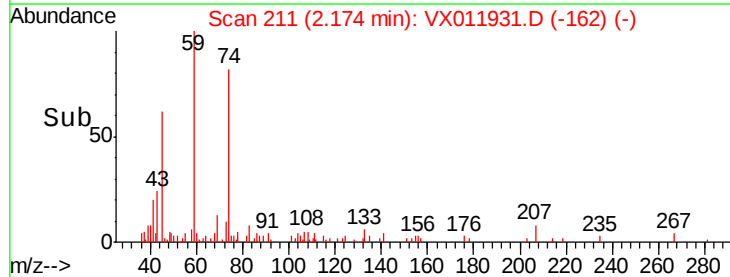
1000

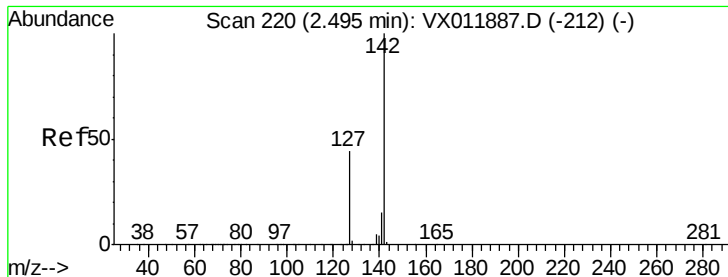
500

0

Time-->

2.10 2.15 2.20 2.25

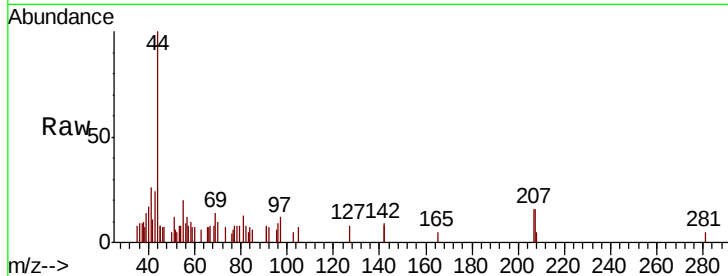




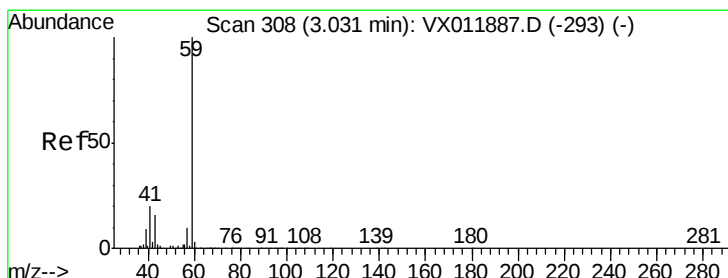
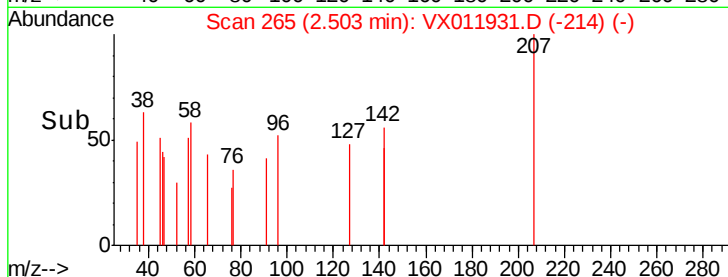
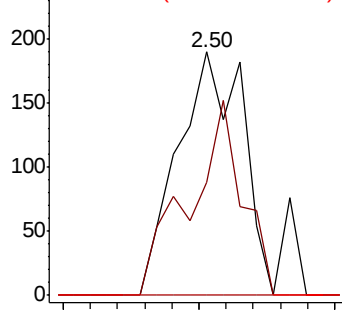
#10
Methyl Iodide
Concen: 3.758 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011931.D
Acq: 31 Aug 2019 03:16

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

Tgt Ion:142 Resp: 314
Ion Ratio Lower Upper
142 100
127 65.6 35.7 53.5#
141 0.0 11.8 17.6#

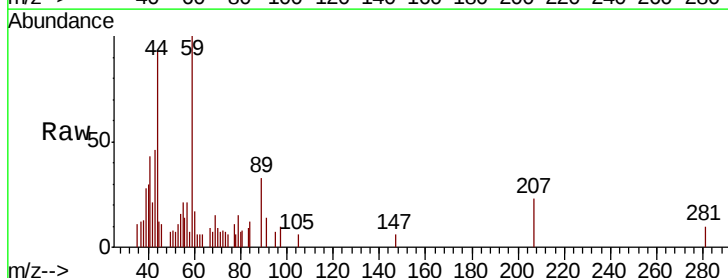


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

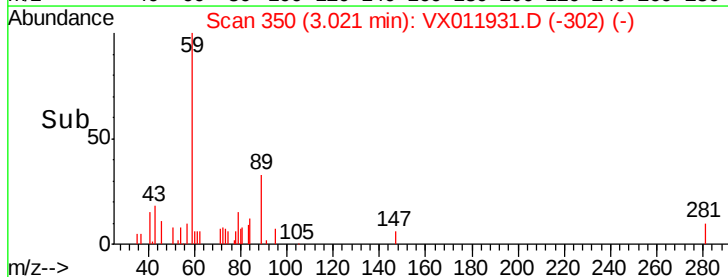
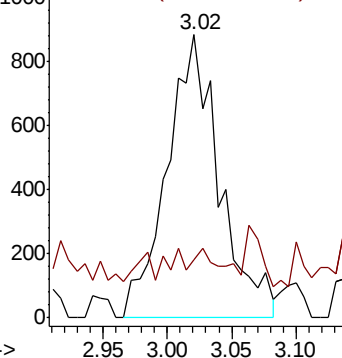


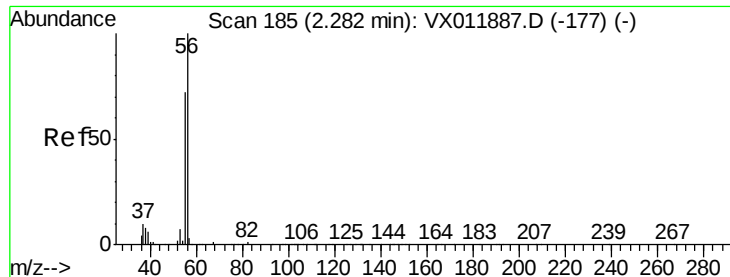
#11
Tert butyl alcohol
Concen: 6.273 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011931.D
Acq: 31 Aug 2019 03:16

Tgt Ion: 59 Resp: 2502
Ion Ratio Lower Upper
59 100
57 5.2 8.6 12.8#



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

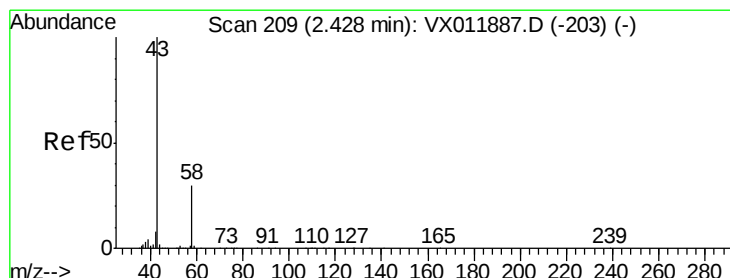
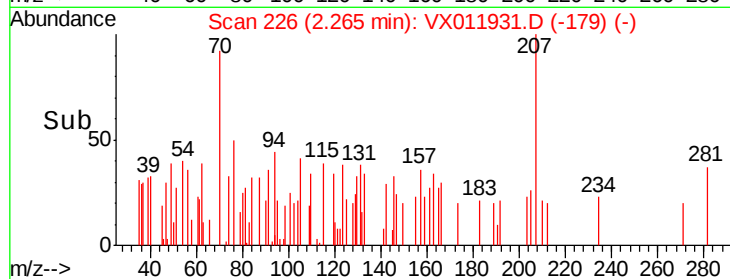
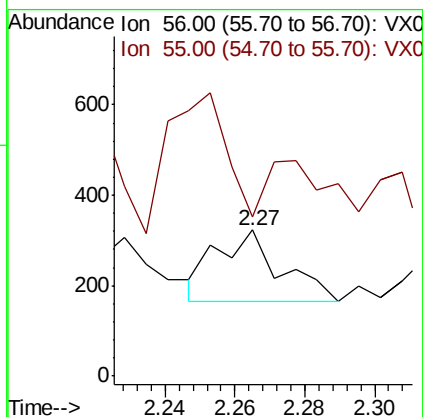
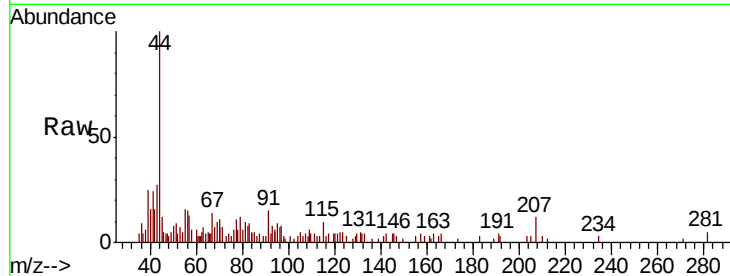




#13
Acrolein
Concen: 1.008 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX011931.D
Acq: 31 Aug 2019 03:16

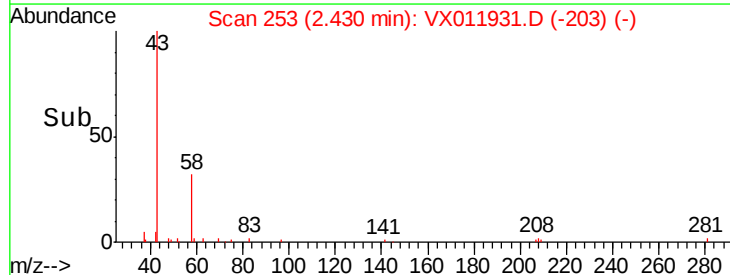
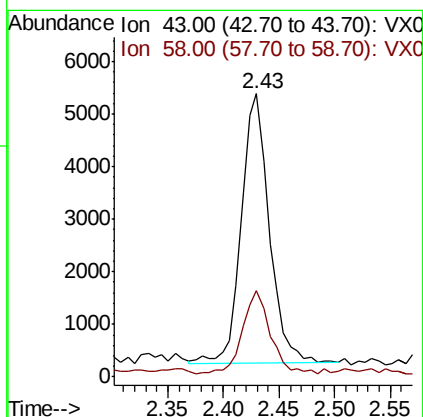
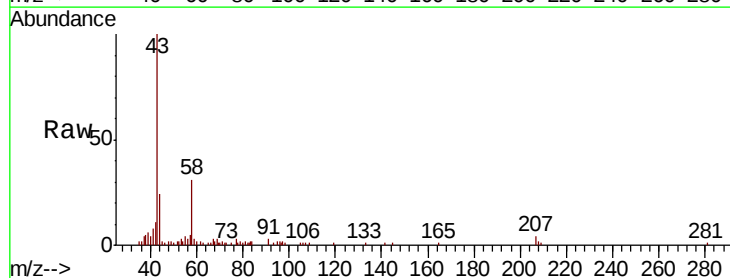
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-H-(1.9)

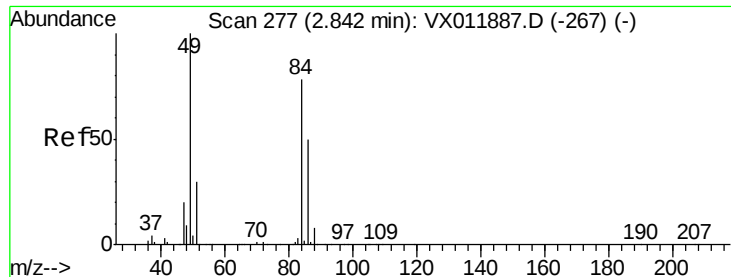
Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 209.5 58.6 88.0#



#16
Acetone
Concen: 10.039 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX011931.D
Acq: 31 Aug 2019 03:16

Tgt Ion: 43 Resp: 8954
Ion Ratio Lower Upper
43 100
58 30.0 23.8 35.8



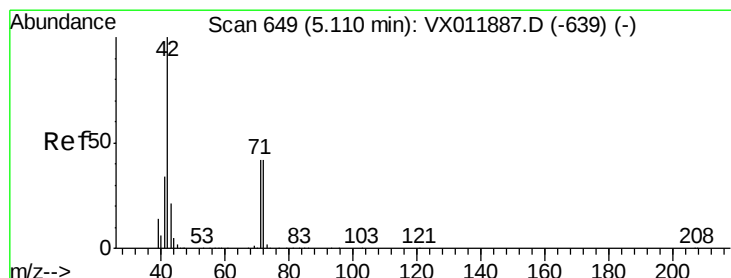
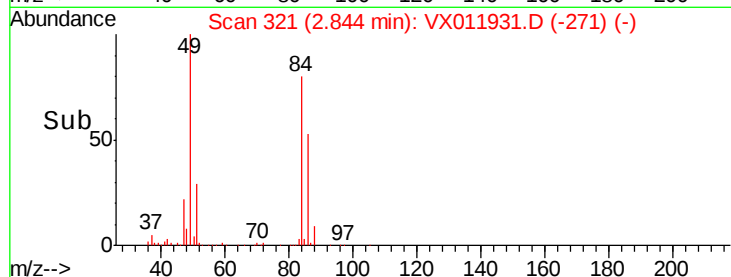
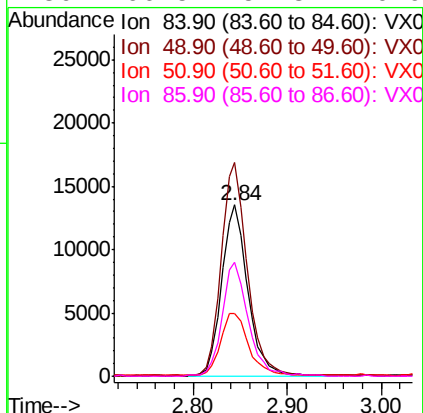
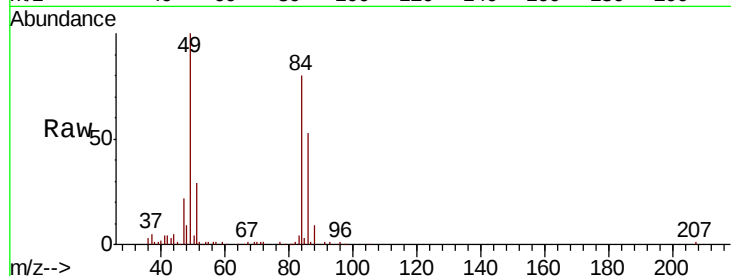


#20
Methylene Chloride
Concen: 2.209 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011931.D
Acq: 31 Aug 2019 03:16

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

Tgt Ion: 84 Resp: 26272

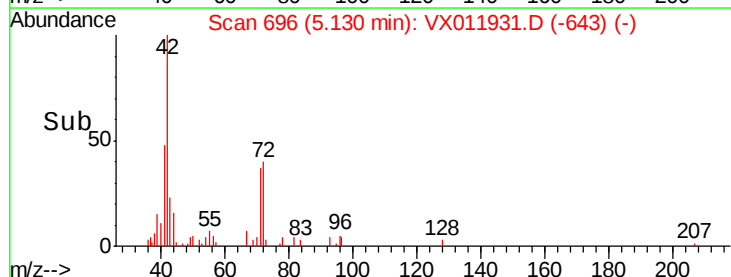
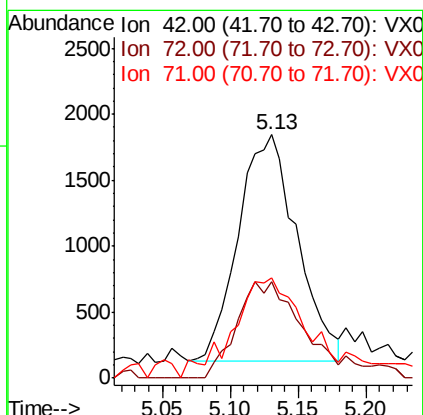
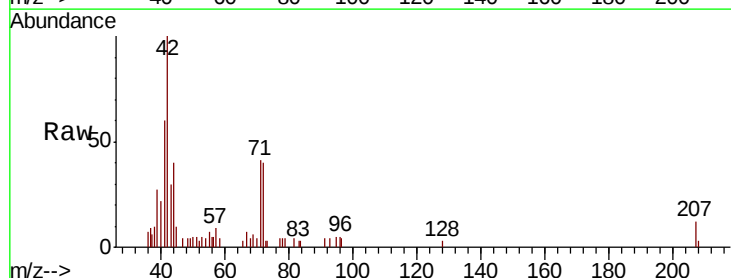
Ion	Ratio	Lower	Upper
84	100		
49	124.1	103.0	154.4
51	35.6	30.8	46.2
86	66.5	51.3	76.9

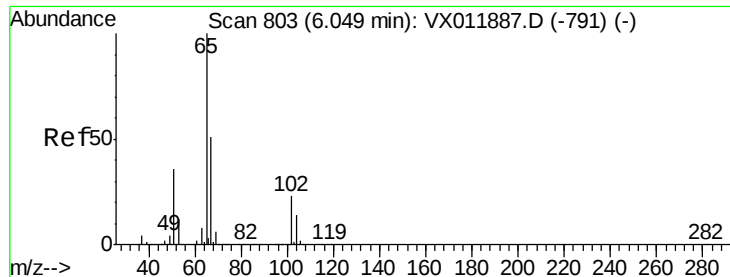


#29
Tetrahydrofuran
Concen: 6.348 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX011931.D
Acq: 31 Aug 2019 03:16

Tgt Ion: 42 Resp: 5147

Ion	Ratio	Lower	Upper
42	100		
72	49.7	36.2	54.4
71	52.9	33.1	49.7#





#33

1,2-Dichloroethane-d4

Concen: 44.609 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011931.D

Acq: 31 Aug 2019 03:16

Instrument :

MSVOA_X

ClientSampleId :

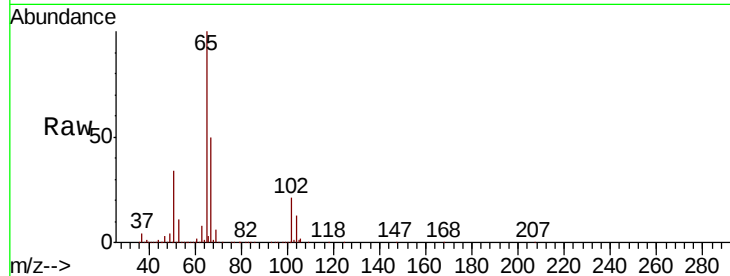
T9-12-13-H-(1.9)

Tgt Ion: 65 Resp: 184927

Ion Ratio Lower Upper

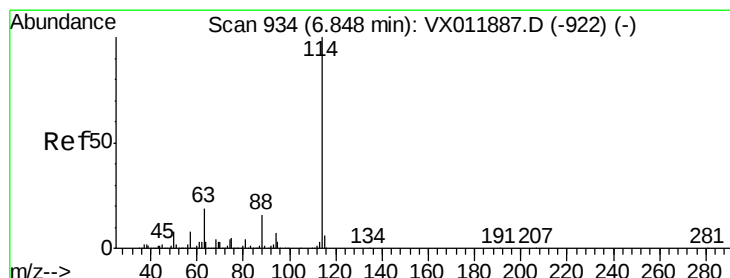
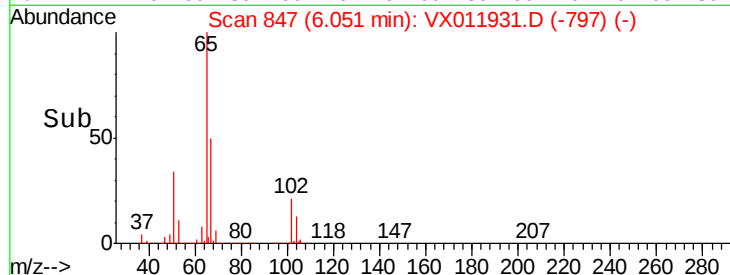
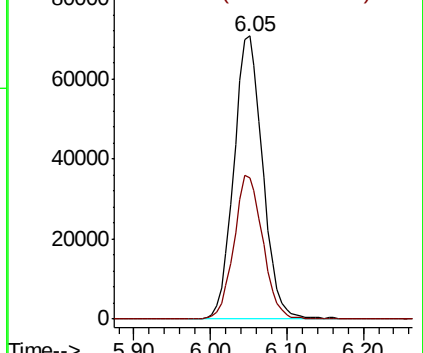
65 100

67 51.1 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: VX011931.D

Acq: 31 Aug 2019 03:16

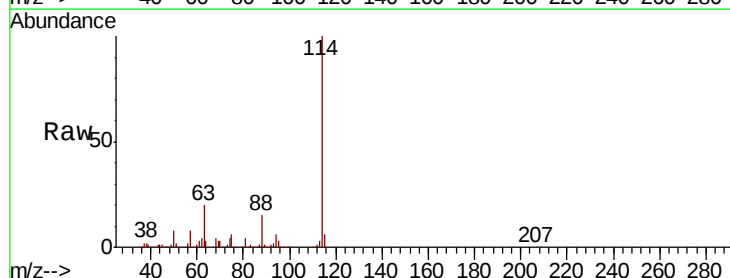
Tgt Ion: 114 Resp: 577927

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

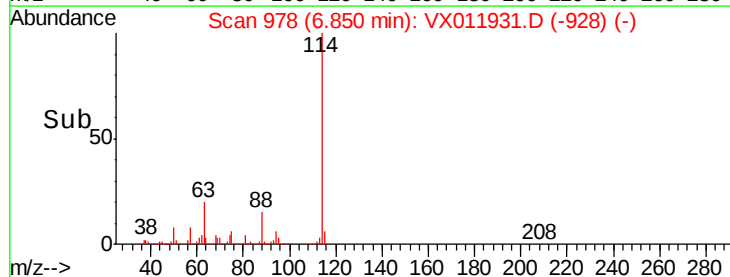
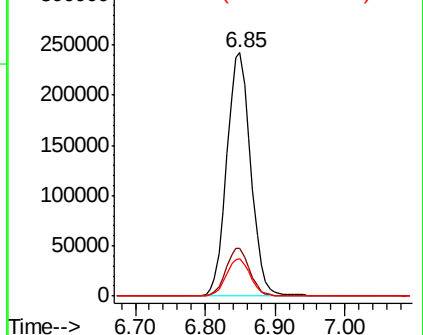
88 15.3 0.0 31.2

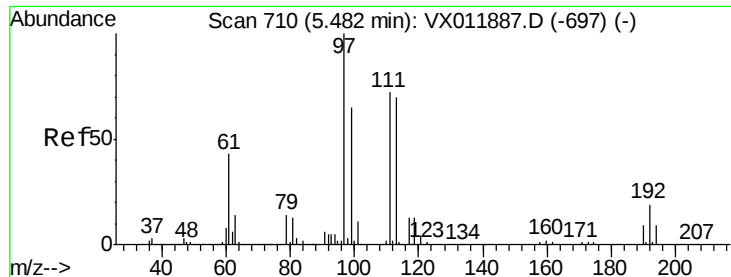


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.212 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011931.D

Acq: 31 Aug 2019 03:16

Instrument :

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ClientSampleId :

T9-12-13-H-(1.9)

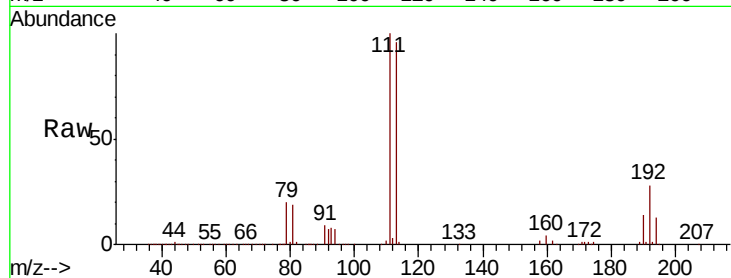
Tgt Ion:113 Resp: 167550

Ion Ratio Lower Upper

113 100

111 101.1 82.1 123.1

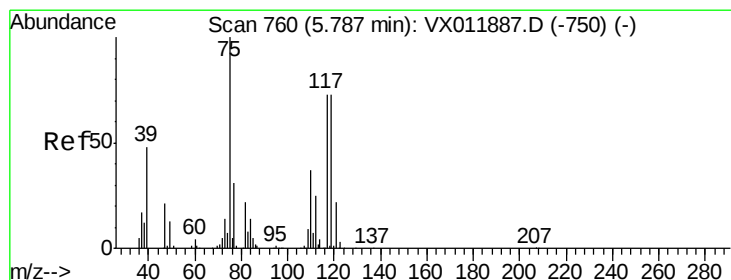
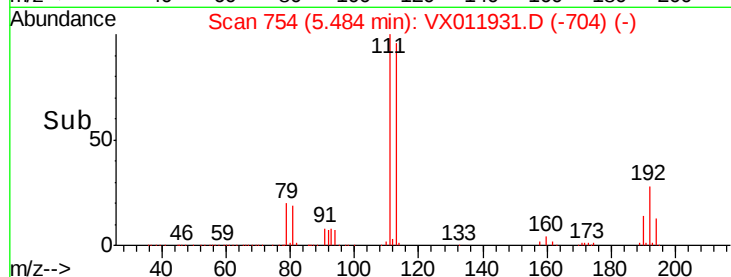
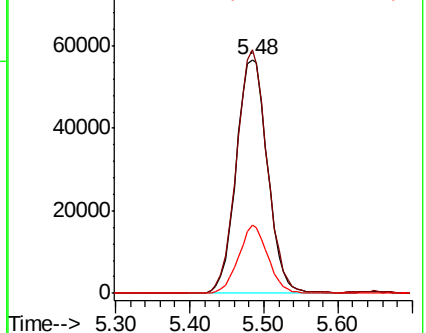
192 27.3 21.5 32.3



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: 5.839 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX011931.D

Acq: 31 Aug 2019 03:16

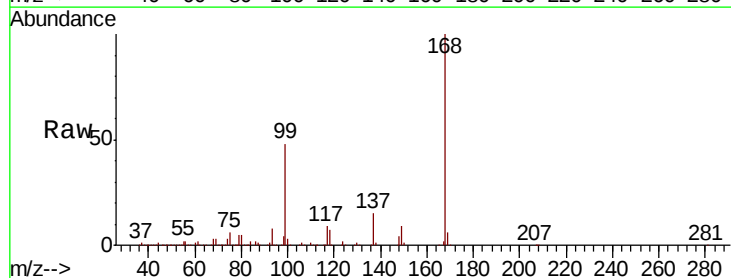
Tgt Ion: 75 Resp: 26734

Ion Ratio Lower Upper

75 100

110 11.0 19.1 57.3#

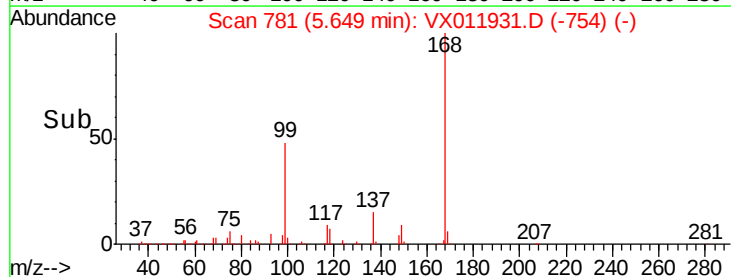
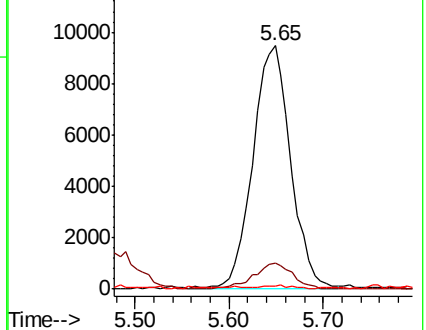
77 1.2 24.4 36.6#

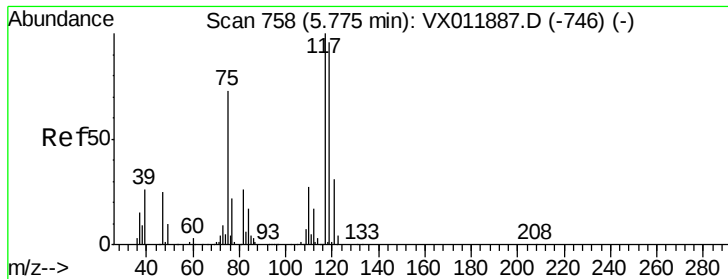


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.039 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011931.D

Acq: 31 Aug 2019 03:16

Instrument :

MSVOA_X

ClientSampled :

T9-12-13-H-(1.9)

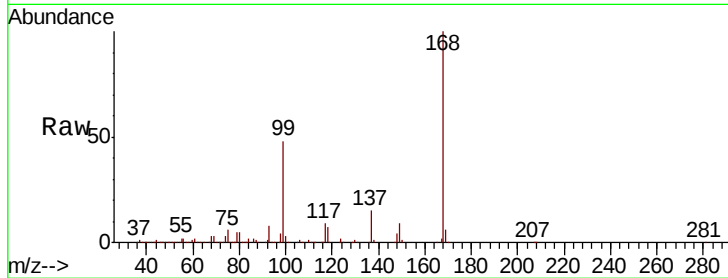
Tgt Ion:117 Resp: 37377

Ion Ratio Lower Upper

117 100

119 3.6 76.6 114.8#

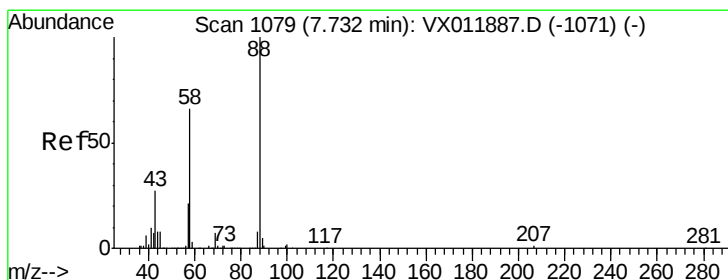
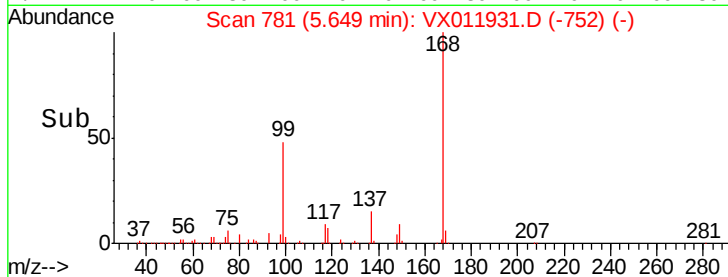
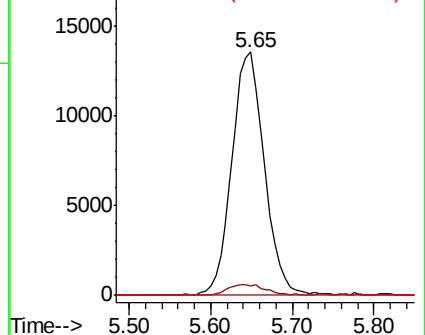
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 1.306 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX011931.D

Acq: 31 Aug 2019 03:16

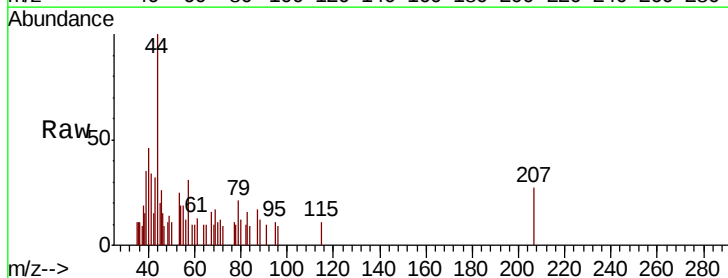
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 164.6 27.3 40.9#

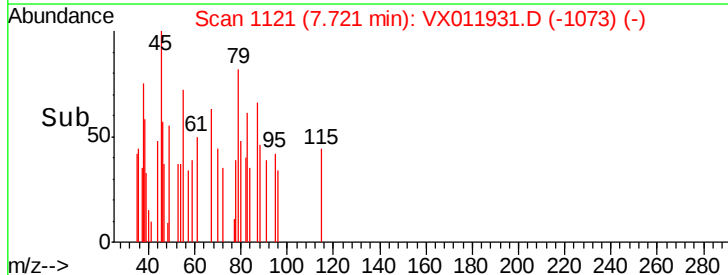
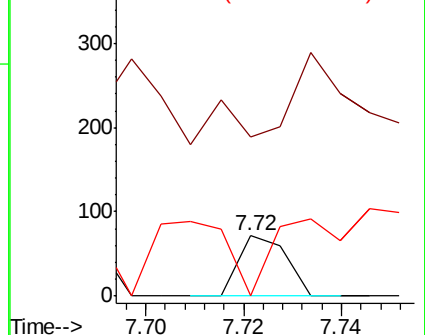
58 181.3 53.9 80.9#

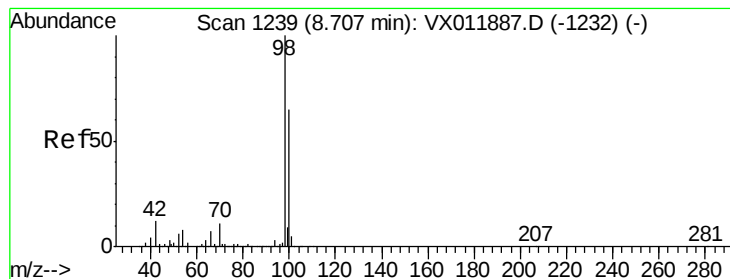


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.417 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011931.D

Acq: 31 Aug 2019 03:16

Instrument :

MSVOA_X

ClientSampleId :

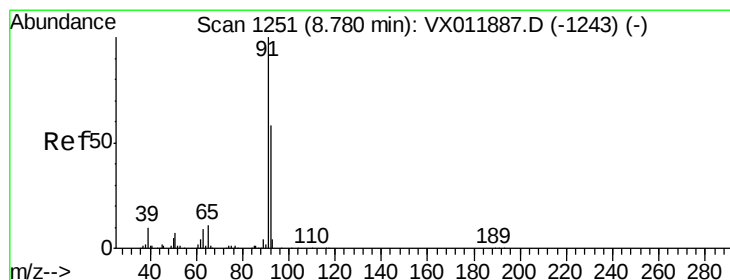
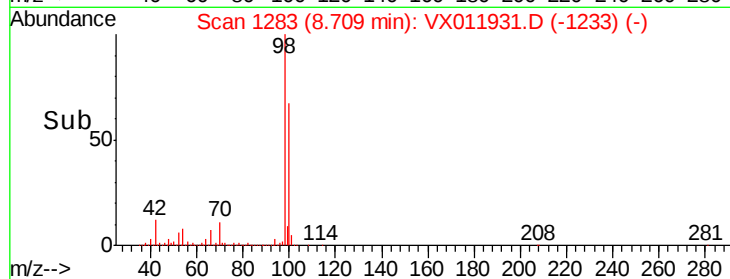
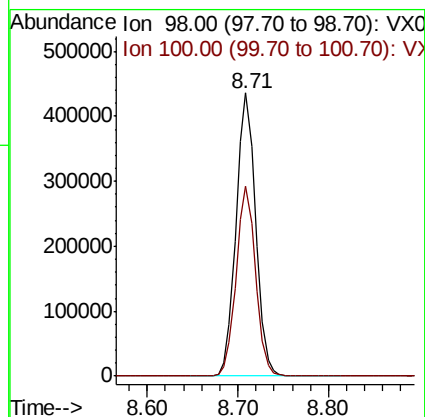
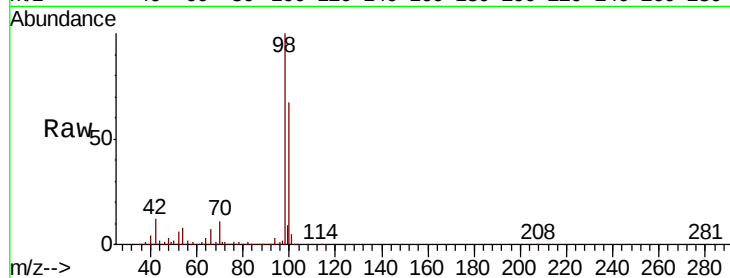
T9-12-13-H-(1.9)

Tgt Ion: 98 Resp: 654650

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.6



#52

Toluene

Concen: 1.877 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX011931.D

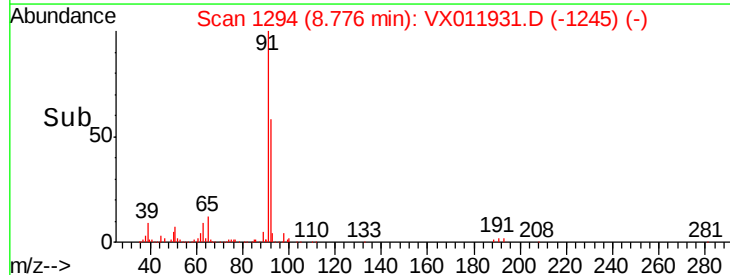
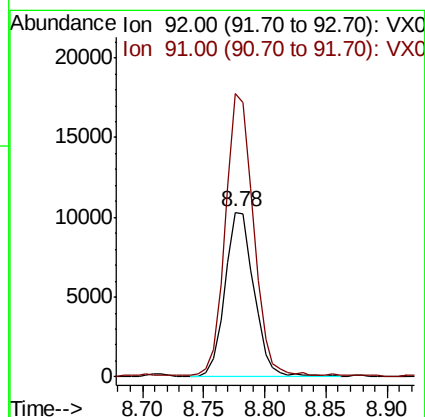
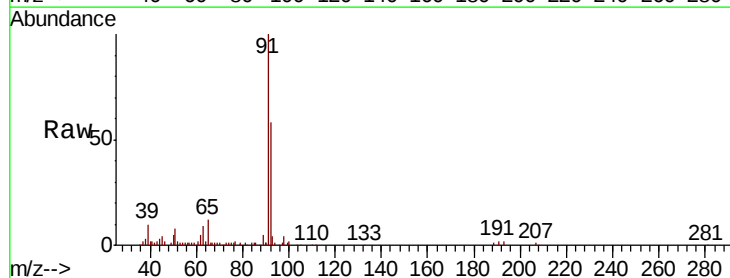
Acq: 31 Aug 2019 03:16

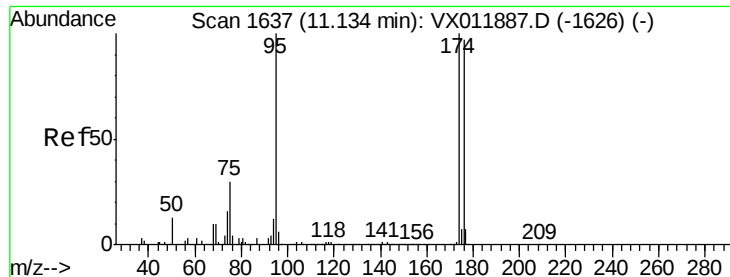
Tgt Ion: 92 Resp: 16970

Ion Ratio Lower Upper

92 100

91 169.8 136.8 205.2





#62

4-Bromofluorobenzene

Concen: 41.486 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011931.D

Acq: 31 Aug 2019 03:16

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-H-(1.9)

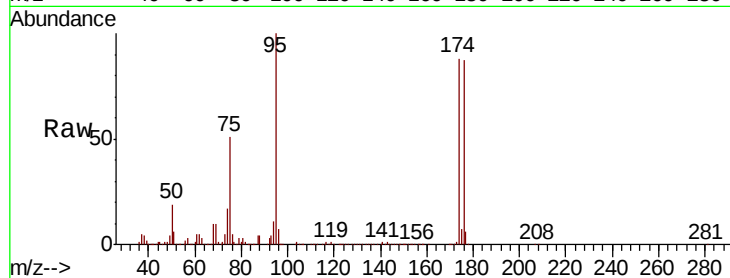
Tgt Ion: 95 Resp: 241082

Ion Ratio Lower Upper

95 100

174 97.7 0.0 196.0

176 96.9 0.0 191.4

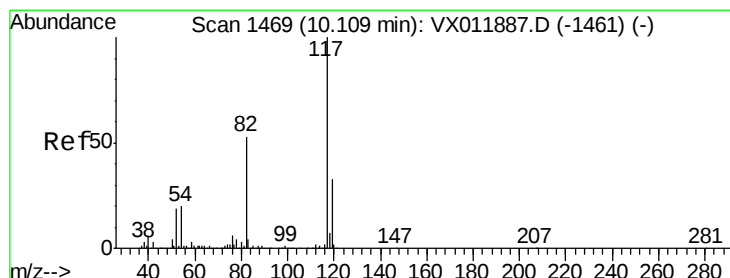
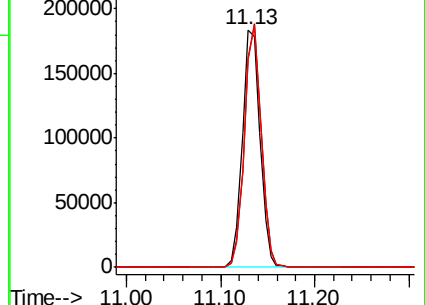
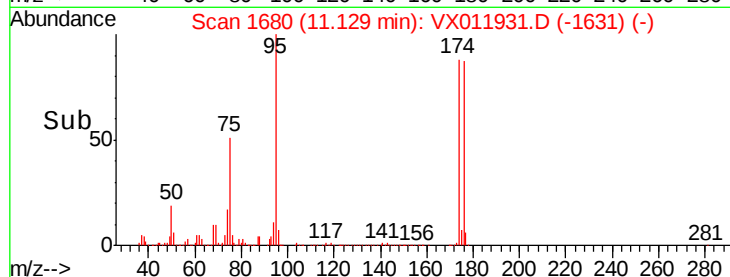


Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

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

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

11.13



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011931.D

Acq: 31 Aug 2019 03:16

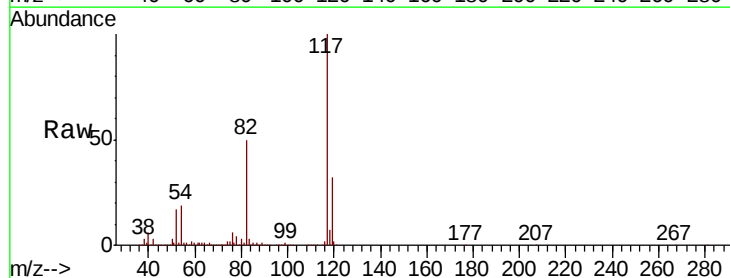
Tgt Ion: 117 Resp: 506714

Ion Ratio Lower Upper

117 100

82 50.2 42.0 63.0

119 31.7 26.2 39.4

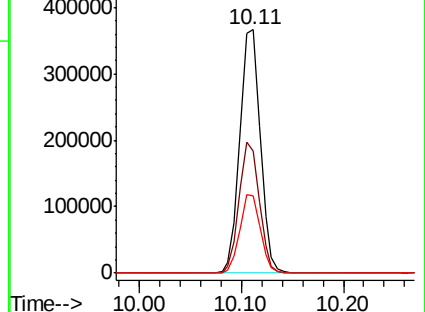
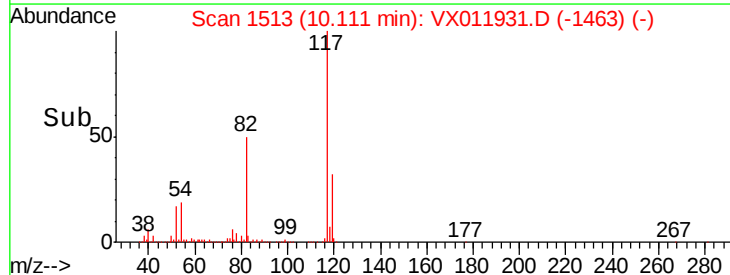


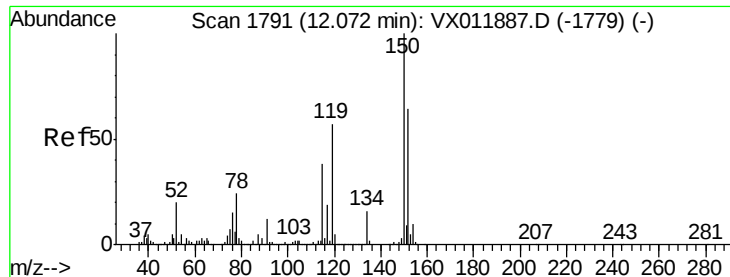
Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

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

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

10.11



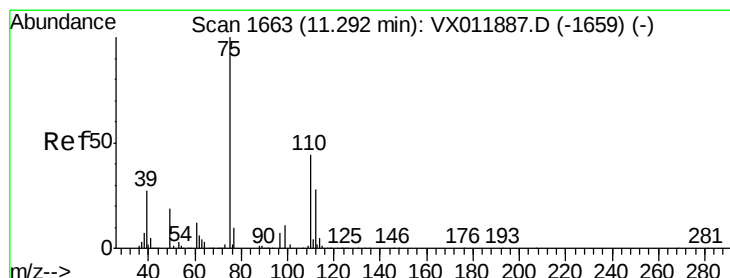
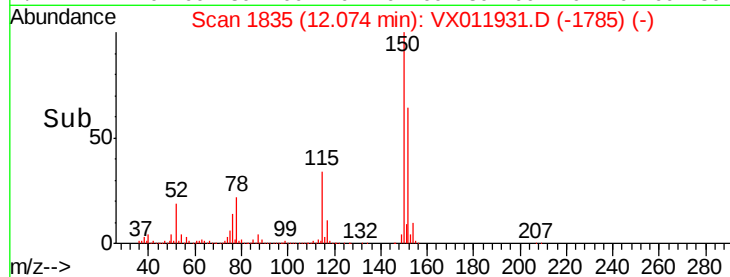
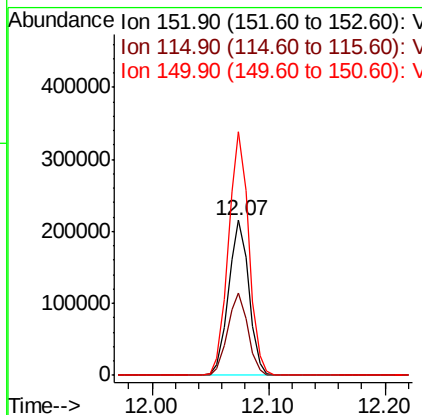
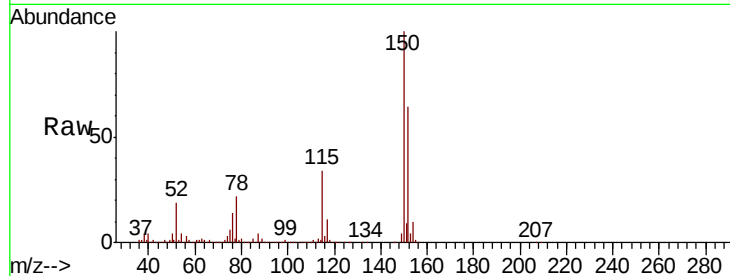


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011931.D
Acq: 31 Aug 2019 03:16

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

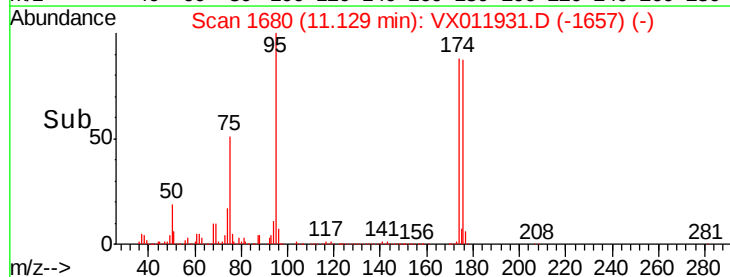
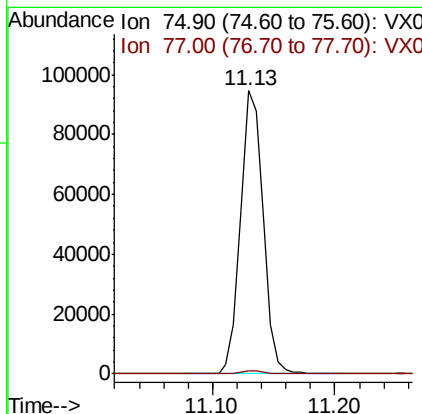
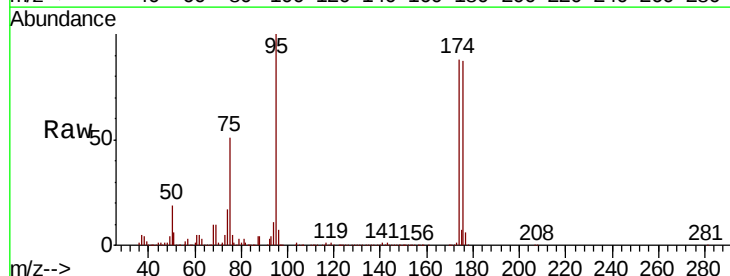
Tgt Ion: 152 Resp: 262289
Ion Ratio Lower Upper
152 100
115 52.8 37.1 111.3
150 156.2 0.0 339.6

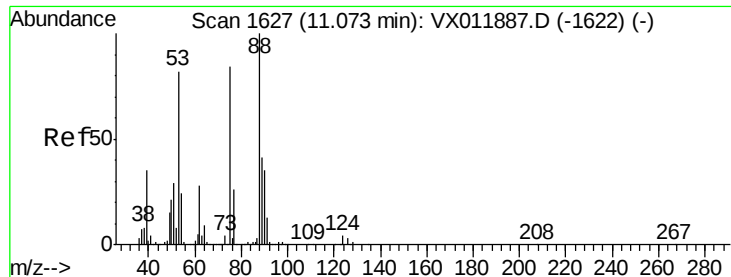


#76

1,2,3-Trichloropropane
Concen: 46.880 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011931.D
Acq: 31 Aug 2019 03:16

Tgt Ion: 75 Resp: 120958
Ion Ratio Lower Upper
75 100
77 1.2 20.9 62.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 117.771 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX011931.D

Acq: 31 Aug 2019 03:16

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-H-(1.9)

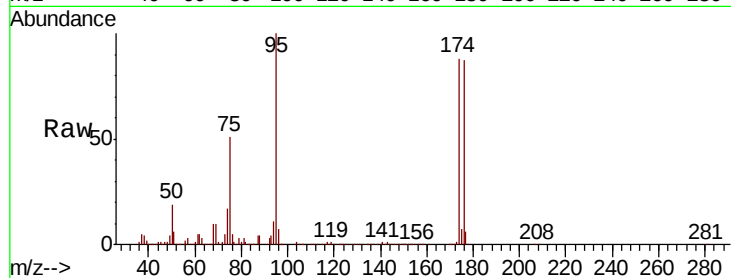
Tgt Ion: 75 Resp: 120958

Ion Ratio Lower Upper

75 100

53 0.2 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

