

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013477.D
 Acq On : 20 Nov 2019 15:12
 Operator : JC/SP
 Sample : K5958-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-111919

Quant Time: Nov 21 00:47:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	755476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1213303	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1081361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	470463	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	445529	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	5.49	113	365713	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	8.71	98	1451509	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.14	95	478373	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	

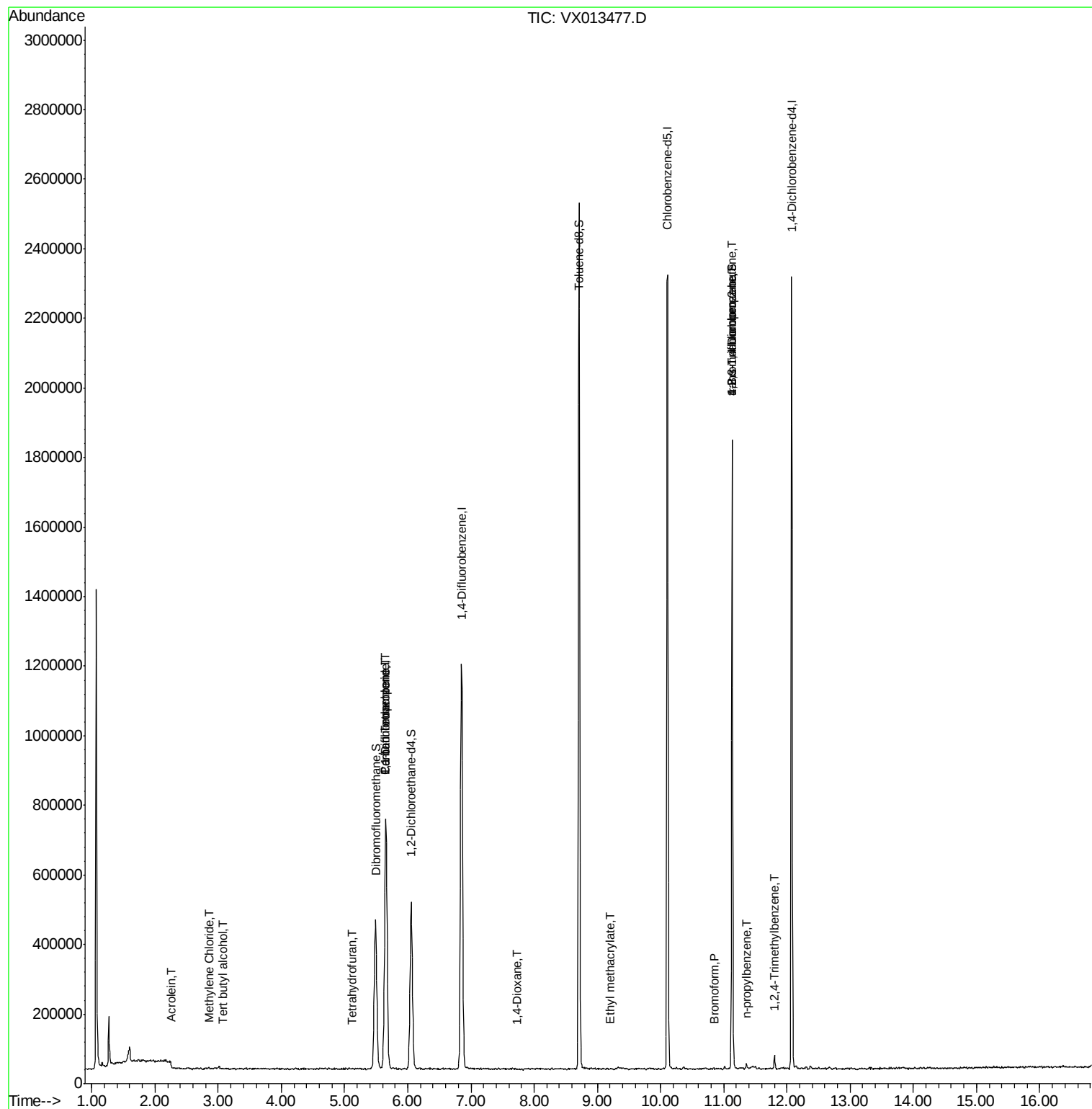
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.80	64	867	Below Cal	#	80
11) Tert butyl alcohol	3.06	59	832	0.353	ug/l #	73
13) Acrolein	2.27	56	320	0.250	ug/l #	1
20) Methylene Chloride	2.86	84	2015	0.244	ug/l #	48
29) Tetrahydrofuran	5.12	42	932	0.231	ug/l #	58
36) 1,1-Dichloropropene	5.65	75	49272	4.734	ug/l #	52
38) Carbon Tetrachloride	5.65	117	64946	6.381	ug/l #	17
49) 1,4-Dioxane	7.74	88	109	0.476	ug/l #	1
56) Ethyl methacrylate	9.20	69	807	1.618	ug/l #	70
71) Bromoform	10.85	173	417	3.255	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	237923	24.898	ug/l #	34
78) n-propylbenzene	11.35	91	9212	0.265	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.13	75	237923	64.088	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	18839	0.723	ug/l	92

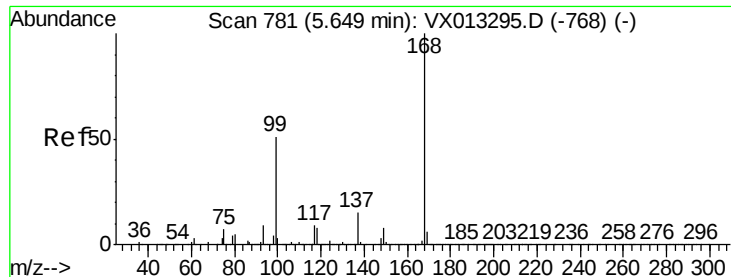
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013477.D

Acq: 20 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

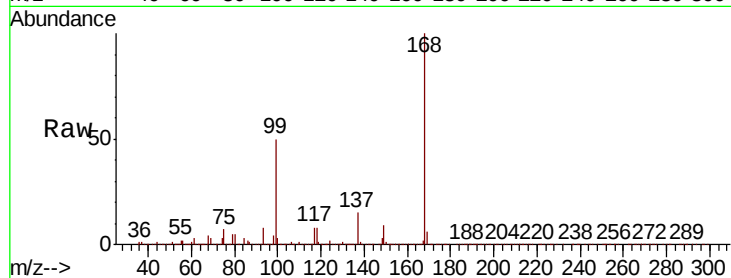
EB-111919

Tot Ion:168 Resp: 755476

Ion Ratio Lower Upper

168 100

99 49.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

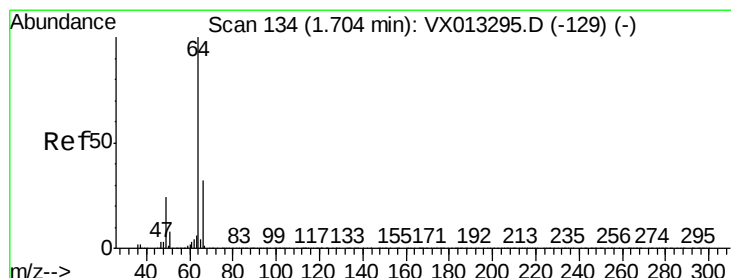
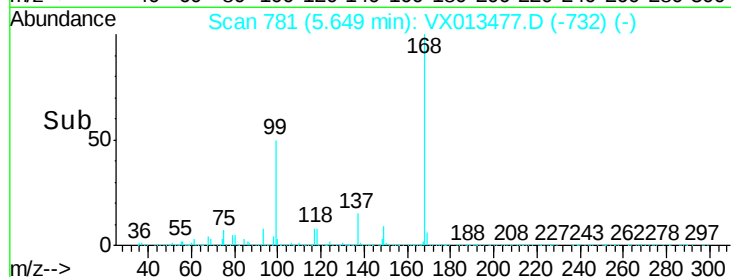
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.80 min Scan# 150

Delta R.T. 0.10 min

Lab File: VX013477.D

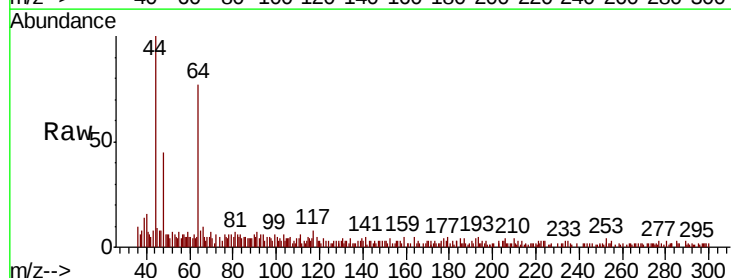
Acq: 20 Nov 2019 15:12

Tgt Ion: 64 Resp: 867

Ion Ratio Lower Upper

64 100

66 20.7 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

5000

4000

3000

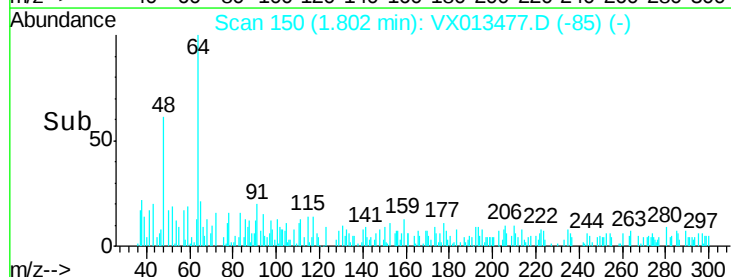
2000

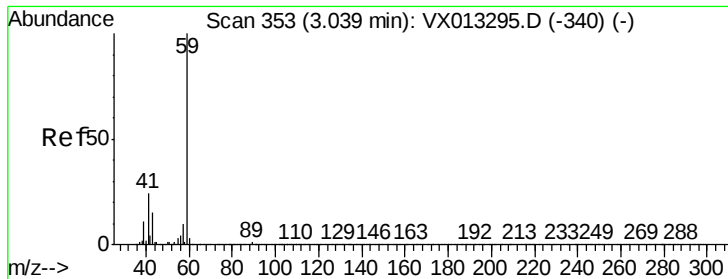
1000

0

Time-->

1.79 1.80 1.81 1.82

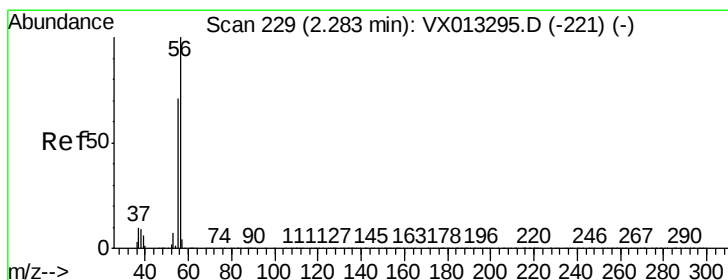
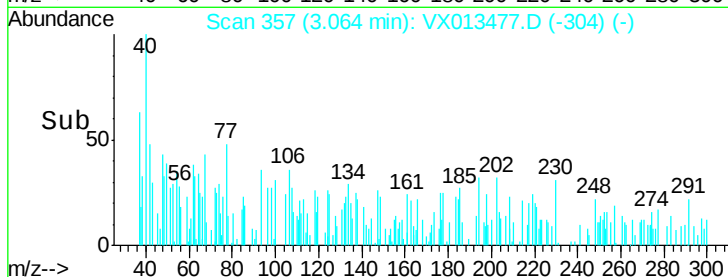
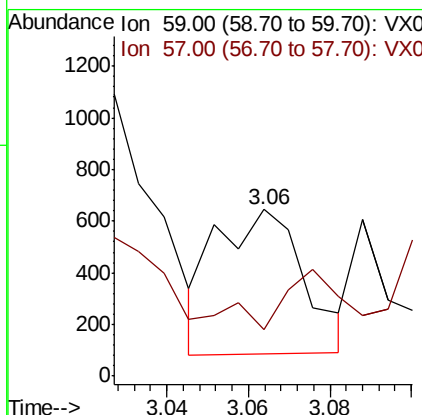
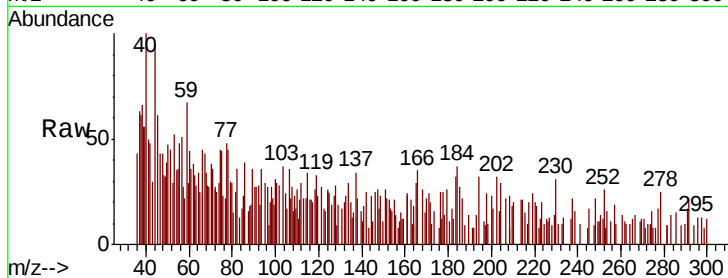




#11
Tert butyl alcohol
Concen: 0.353 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX013477.D
Acq: 20 Nov 2019 15:12

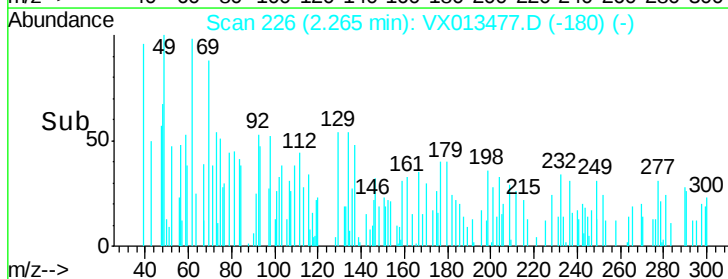
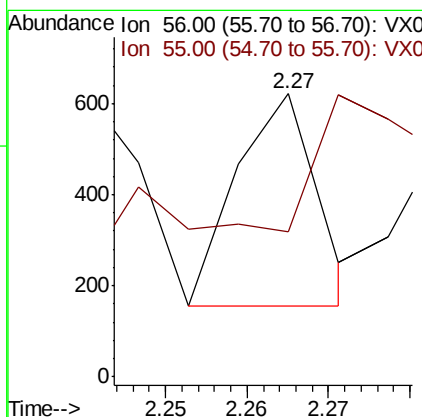
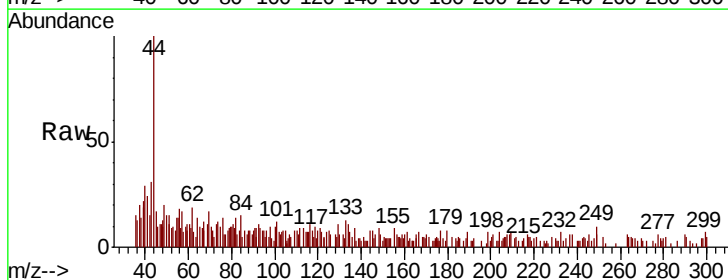
Instrument :
MSVOA_X
ClientSampled :
EB-111919

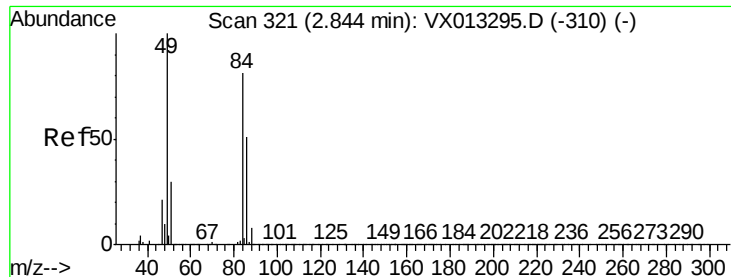
Tot Ion: 59 Resp: 832
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 0.250 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX013477.D
Acq: 20 Nov 2019 15:12

Tgt Ion: 56 Resp: 320
Ion Ratio Lower Upper
56 100
55 153.8 57.4 86.0#

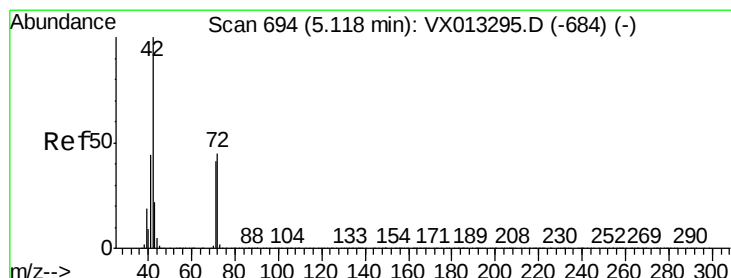
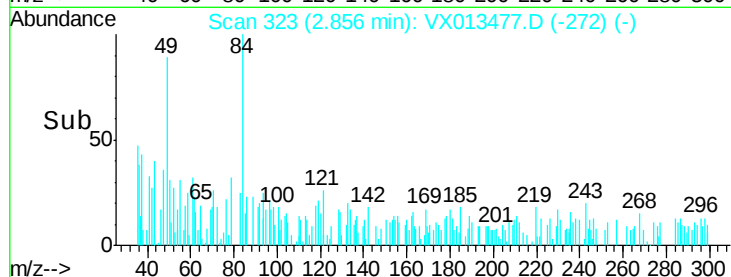
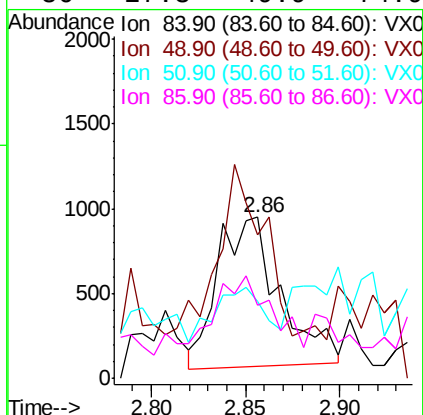
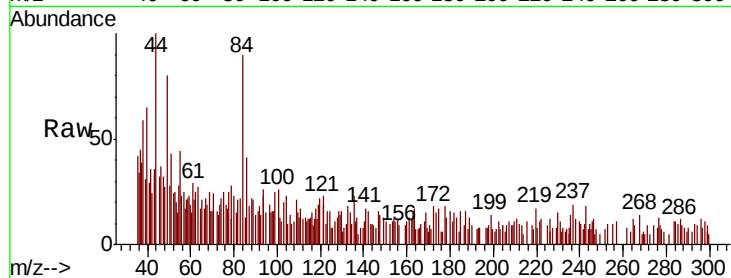




#20
Methvlene Chloride
Concen: 0.244 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013477.D
Acq: 20 Nov 2019 15:12

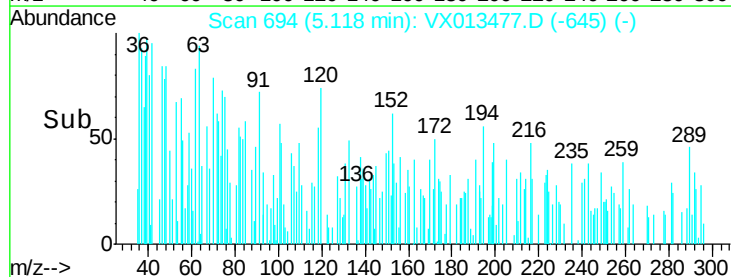
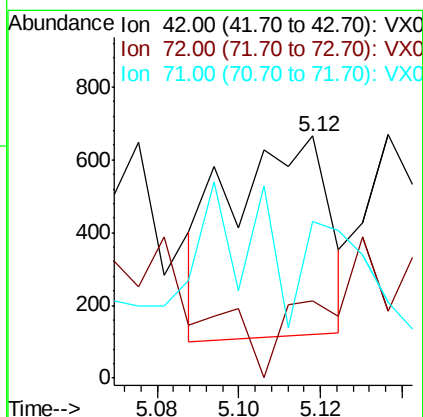
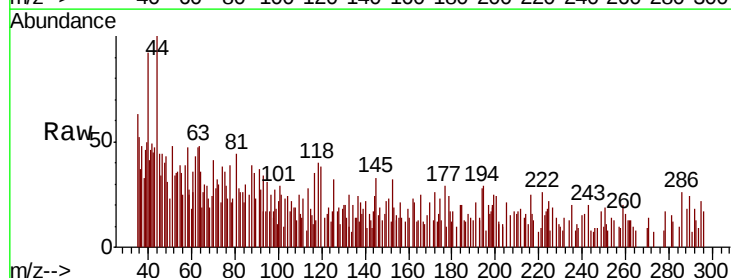
Instrument :
MSVOA_X
ClientSampleId :
EB-111919

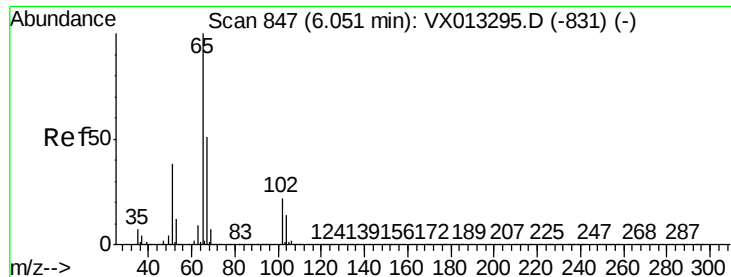
Tot Ion:	84	Resp:	2015
Ion	Ratio	Lower	Upper
84	100		
49	47.4	98.2	147.4#
51	29.4	29.9	44.9#
86	27.3	49.9	74.9#



#29
Tetrahydrofuran
Concen: 0.231 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX013477.D
Acq: 20 Nov 2019 15:12

Tgt Ion:	42	Resp:	932
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.8	53.8#
71	33.2	33.4	50.0#





#33

1,2-Dichloroethane-d4

Concen: 49.779 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013477.D

Acq: 20 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

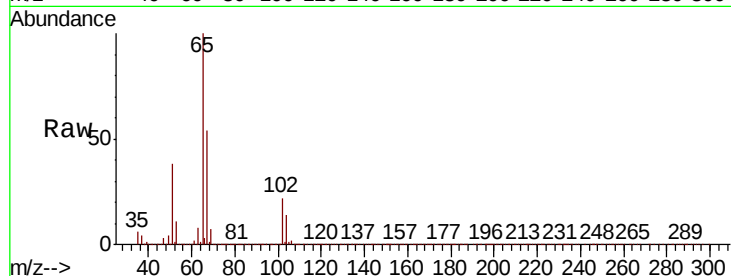
EB-111919

Tot Ion: 65 Resp: 445529

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

200000

150000

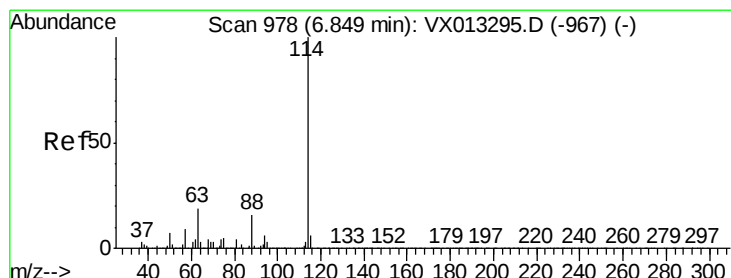
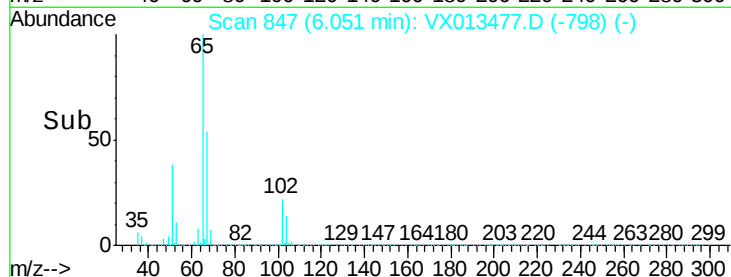
100000

50000

0

6.05

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013477.D

Acq: 20 Nov 2019 15:12

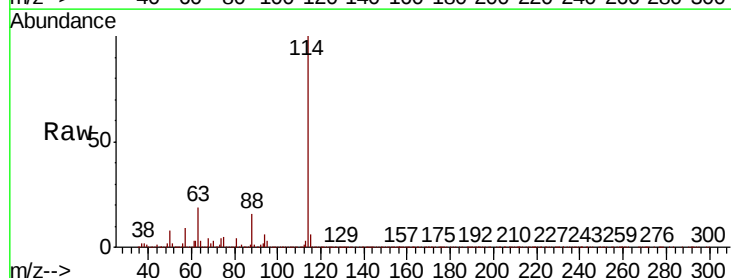
Tgt Ion: 114 Resp: 1213303

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

88 15.7 0.0 32.2



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

600000

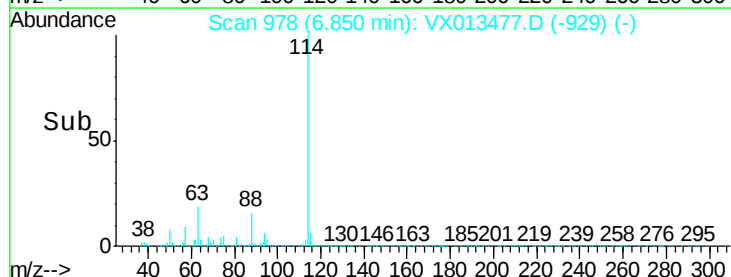
400000

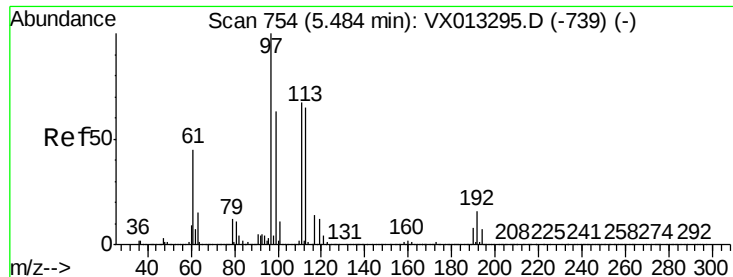
200000

0

6.85

Time--> 6.70 6.80 6.90 7.00

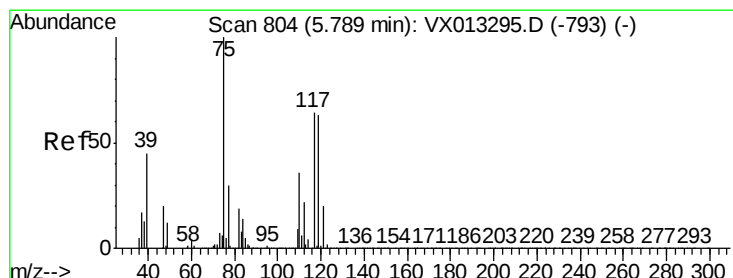
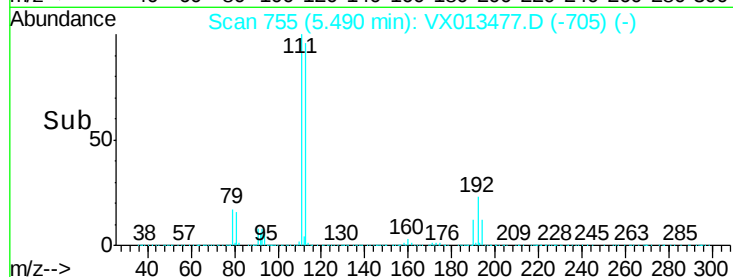
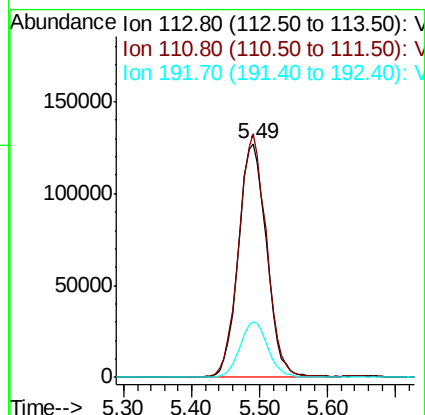
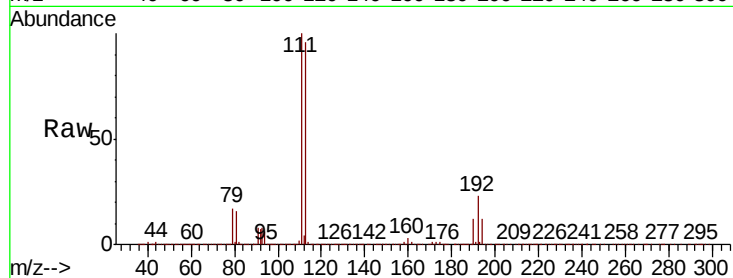




#35
Dibromofluoromethane
Concen: 48.057 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013477.D
Acq: 20 Nov 2019 15:12

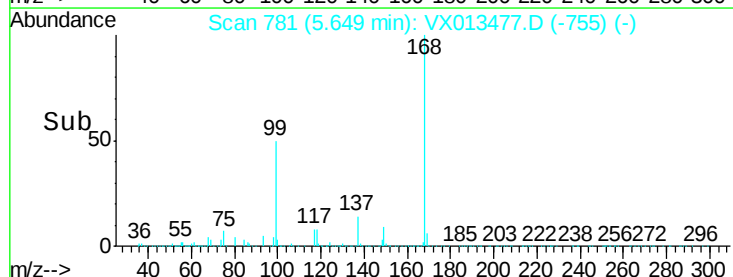
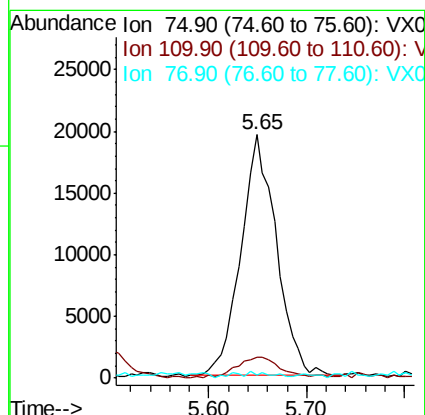
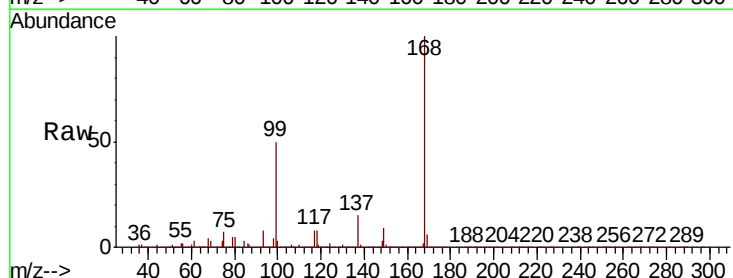
Instrument :
MSVOA_X
ClientSampleId :
EB-111919

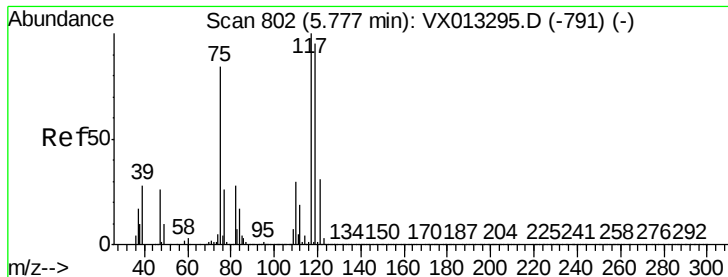
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	23.5	19.1	28.7



#36
1,1-Dichloropropene
Concen: 4.734 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013477.D
Acq: 20 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.1	54.1#
77	1.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.381 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013477.D

Acq: 20 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampled :

EB-111919

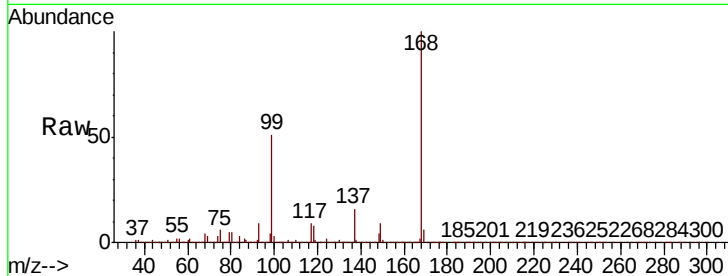
Tot Ion:117 Resp: 64946

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

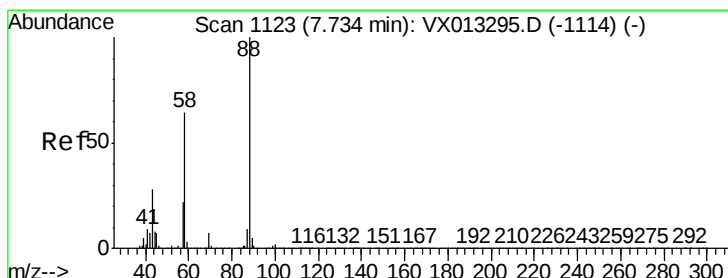
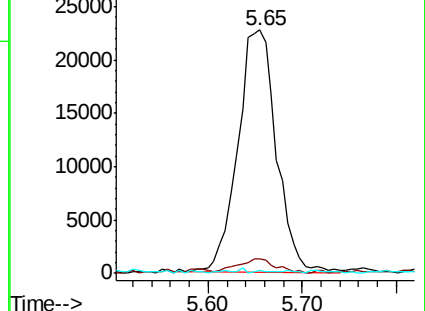
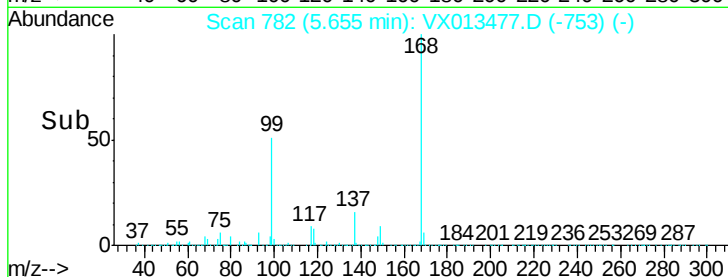
121 0.2 24.6 37.0#



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: 0.476 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013477.D

Acq: 20 Nov 2019 15:12

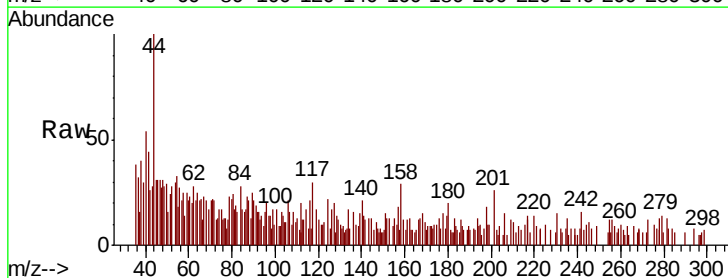
Tgt Ion: 88 Resp: 109

Ion Ratio Lower Upper

88 100

43 704.6 26.6 39.8#

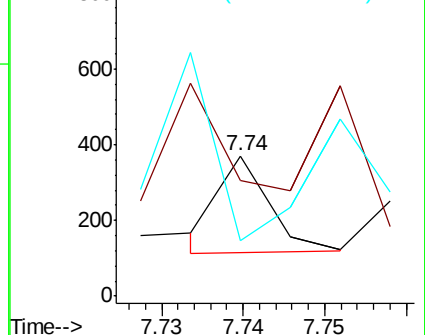
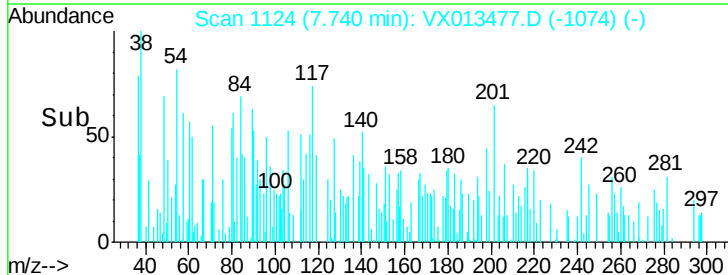
58 253.2 55.0 82.6#

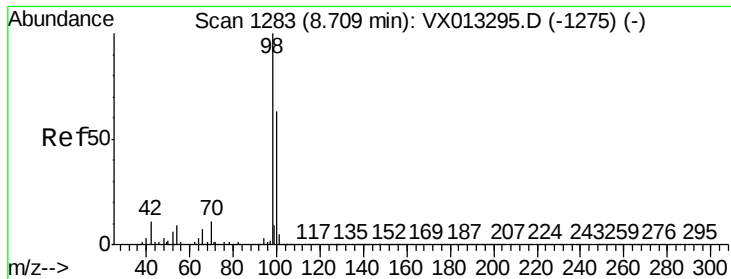


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.595 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013477.D

Acq: 20 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampled :

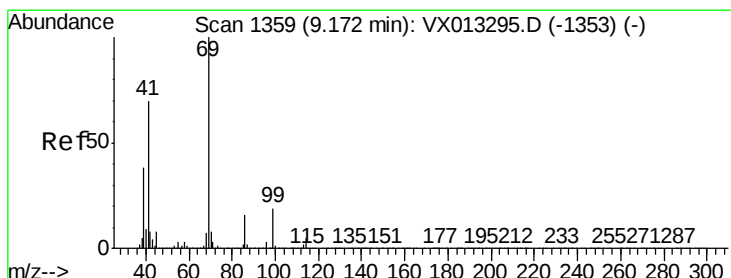
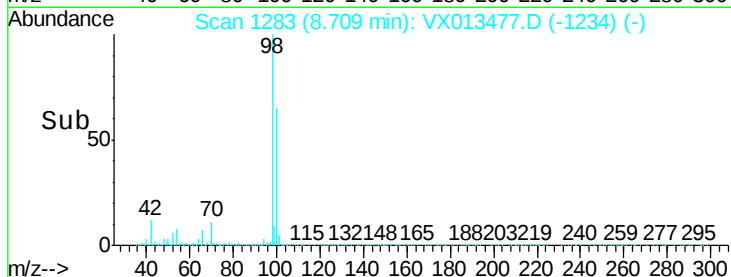
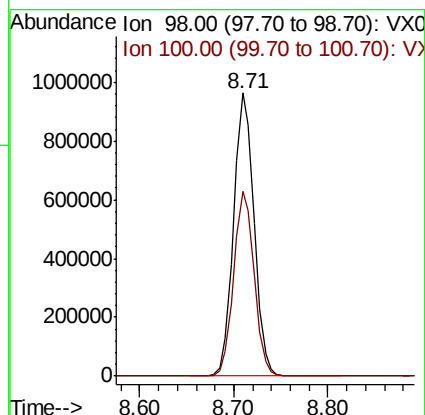
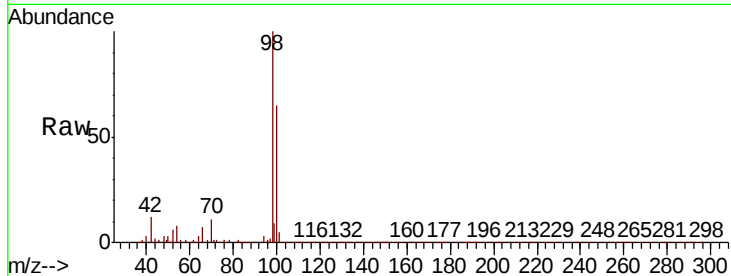
EB-111919

Tot Ion: 98 Resp: 1451509

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.618 ug/l

RT: 9.20 min Scan# 1363

Delta R.T. 0.02 min

Lab File: VX013477.D

Acq: 20 Nov 2019 15:12

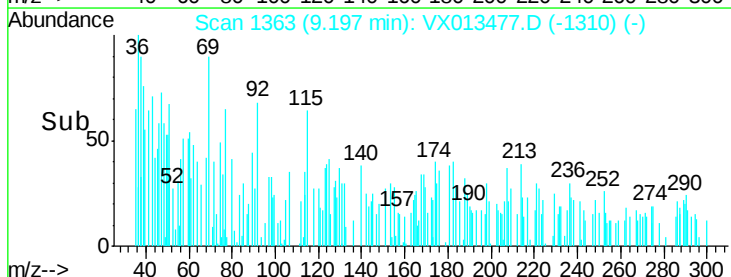
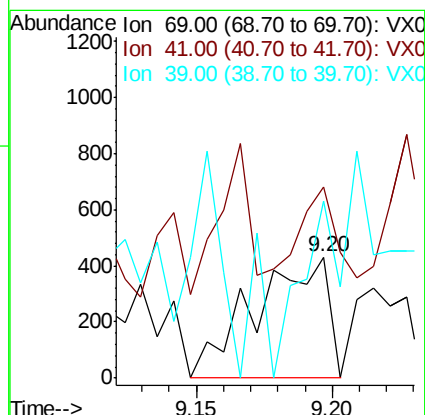
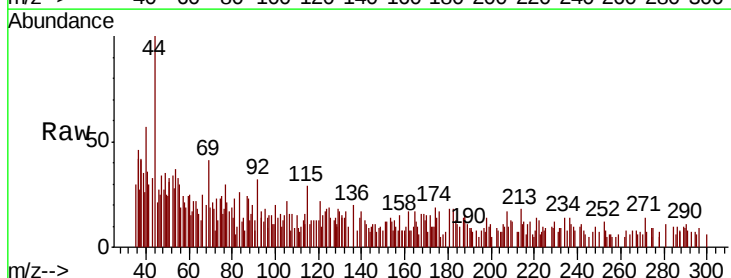
Tgt Ion: 69 Resp: 807

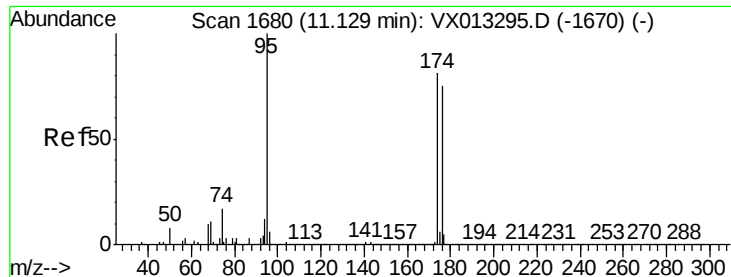
Ion Ratio Lower Upper

69 100

41 79.2 56.2 84.2

39 0.0 31.1 46.7#

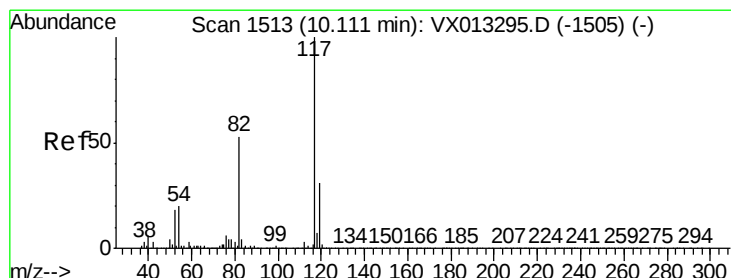
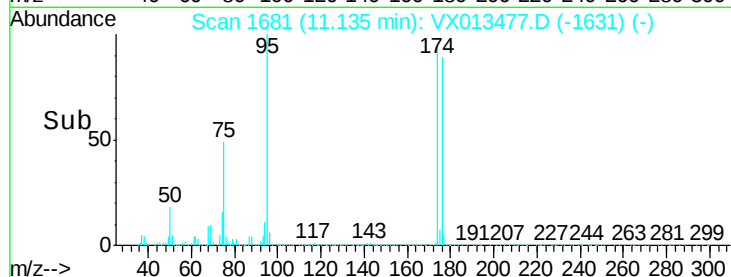
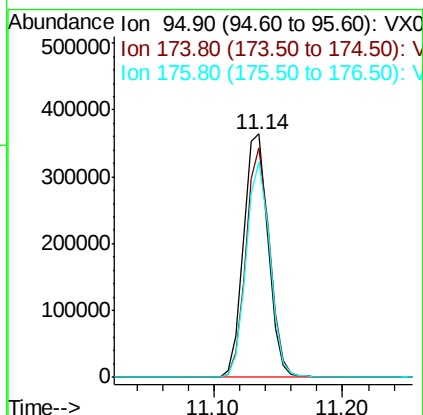
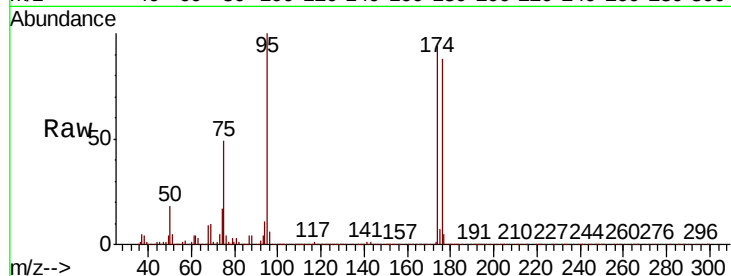




#62
4-Bromofluorobenzene
Concen: 46.202 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013477.D
Acq: 20 Nov 2019 15:12

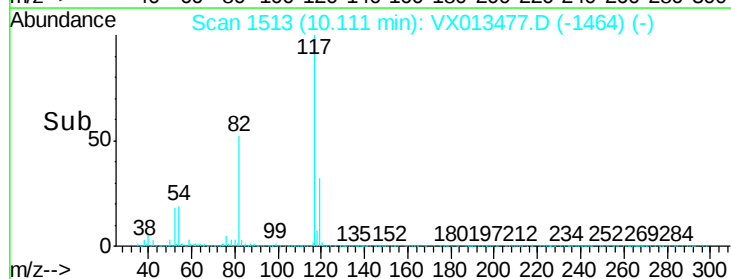
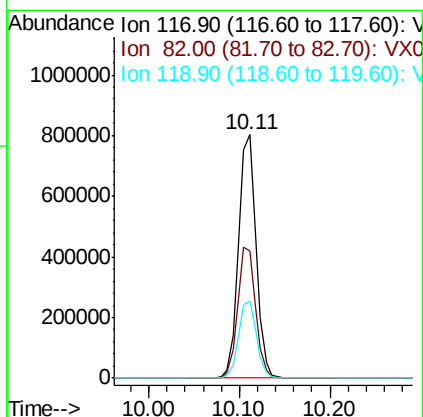
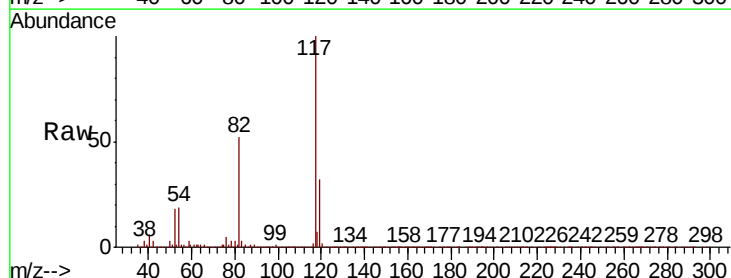
Instrument :
MSVOA_X
ClientSampleID :
EB-111919

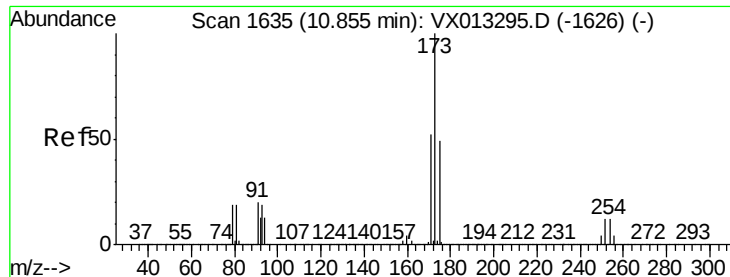
Tot Ion: 95 Resp: 478373
Ion Ratio Lower Upper
95 100
174 91.0 0.0 179.8
176 85.8 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013477.D
Acq: 20 Nov 2019 15:12

Tgt Ion: 117 Resp: 1081361
Ion Ratio Lower Upper
117 100
82 52.1 42.6 64.0
119 31.6 24.8 37.2





#71

Bromoform

Concen: 3.255 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013477.D

Acq: 20 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampled :

EB-111919

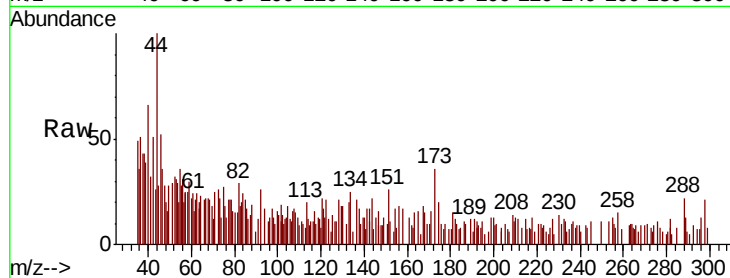
Tot Ion:173 Resp: 417

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

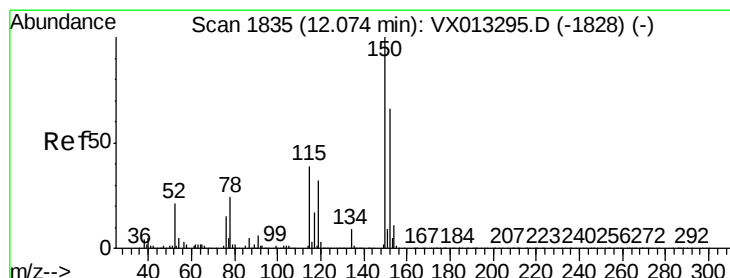
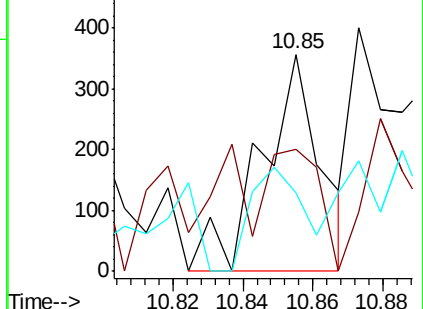
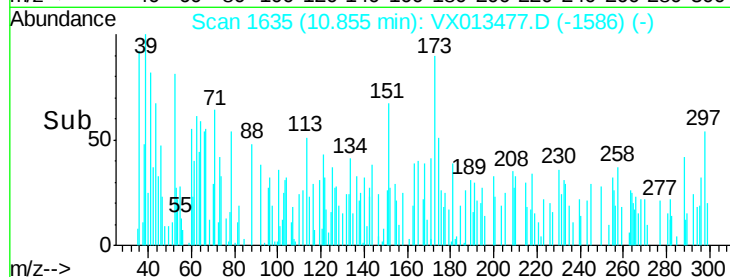
254 42.9 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX013477.D

Acq: 20 Nov 2019 15:12

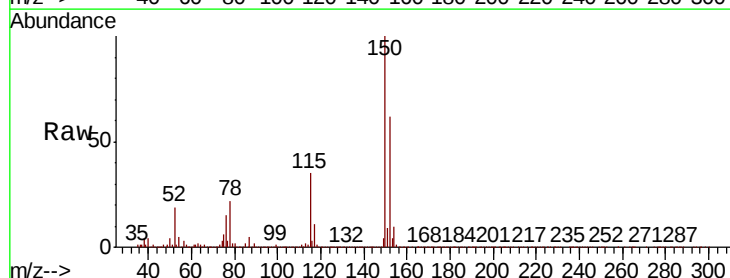
Tgt Ion:152 Resp: 470463

Ion Ratio Lower Upper

152 100

115 55.2 39.5 118.3

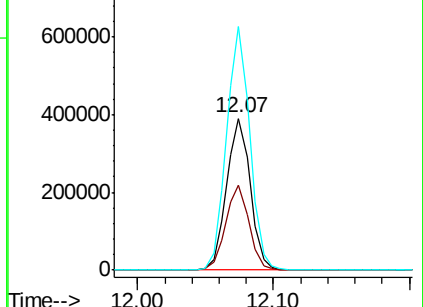
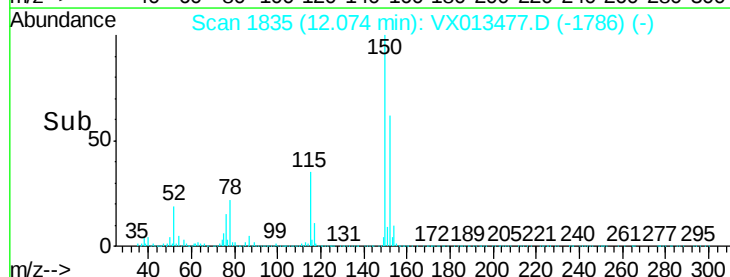
150 158.4 0.0 344.4

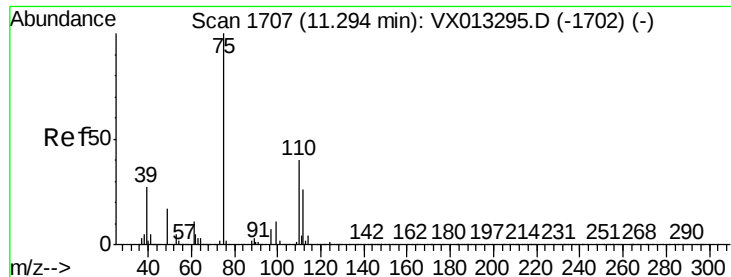


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.898 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013477.D

Acq: 20 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

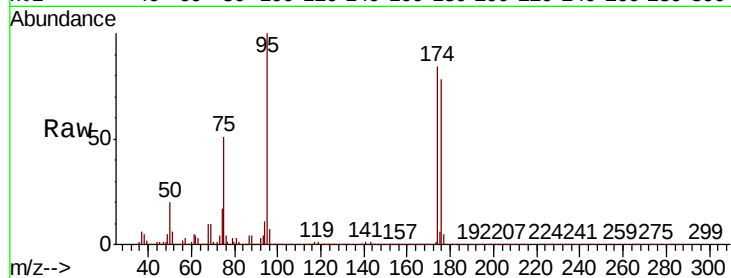
EB-111919

Tot Ion: 75 Resp: 237923

Ion Ratio Lower Upper

75 100

77 1.3 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

200000

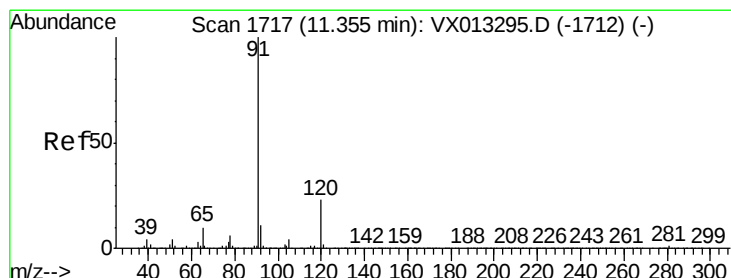
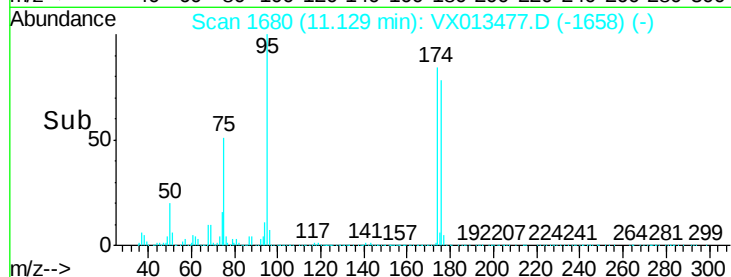
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 0.265 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013477.D

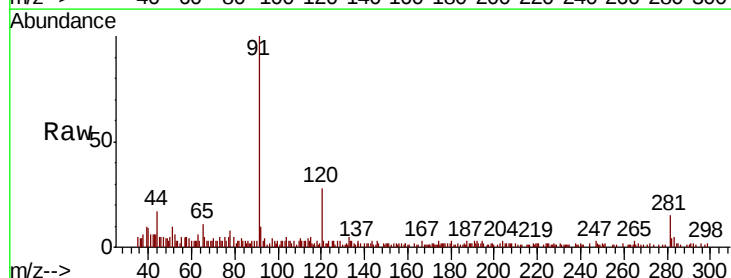
Acq: 20 Nov 2019 15:12

Tgt Ion: 91 Resp: 9212

Ion Ratio Lower Upper

91 100

120 28.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

8000

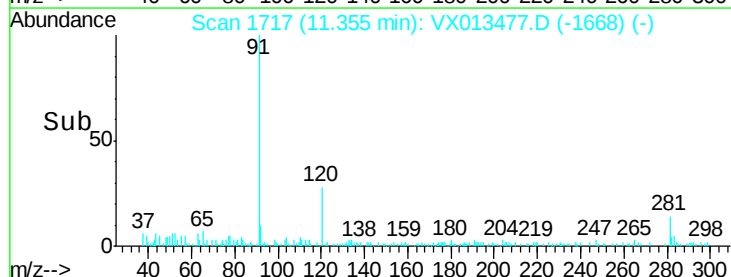
6000

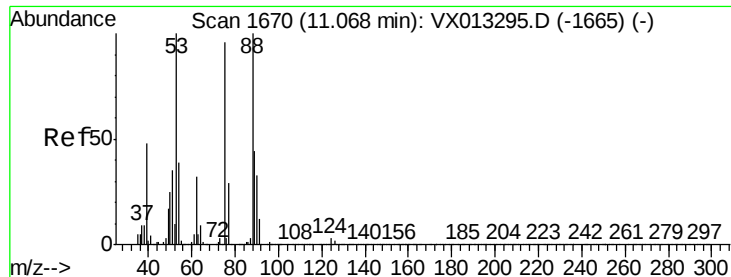
4000

2000

0

Time-->

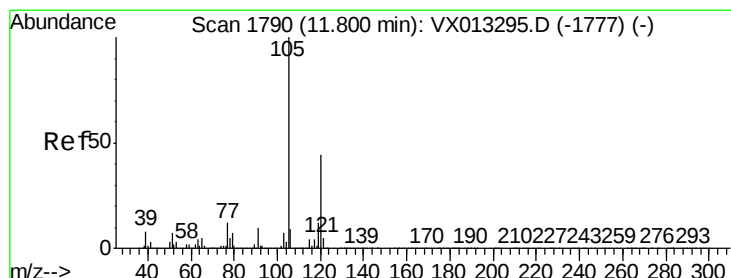
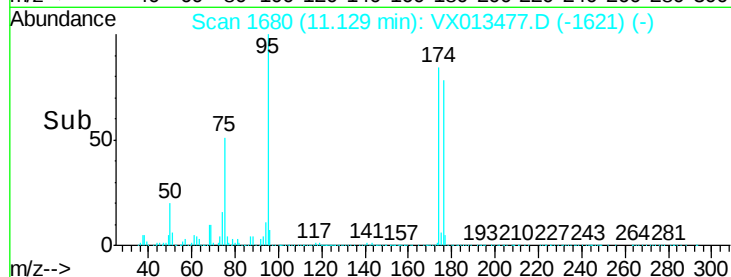
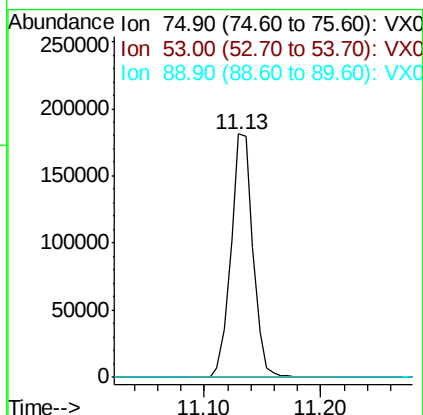
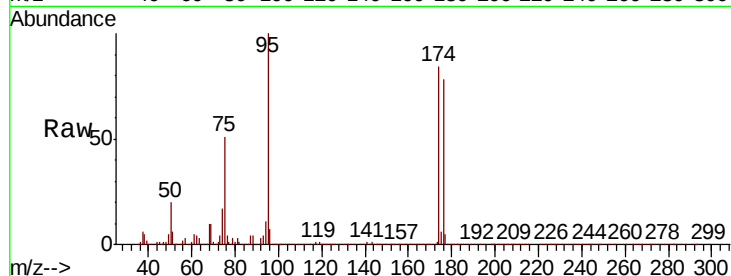




#81
trans-1,4-Dichloro-2-butene
Concen: 64.088 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013477.D
Acq: 20 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
EB-111919

Tot Ion: 75 Resp: 237923
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.6#
89 0.0 36.0 54.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.723 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX013477.D
Acq: 20 Nov 2019 15:12

Tgt Ion: 105 Resp: 18839
Ion Ratio Lower Upper
105 100
120 50.5 22.7 68.1

