

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111219\
 Data File : VX013391.D
 Acq On : 12 Nov 2019 17:38
 Operator : JC/SP
 Sample : K5802-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 13 02:42:58 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	781696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1232053	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1095270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	507199	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	445972	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
35) Dibromofluoromethane	5.48	113	368457	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	8.71	98	1465510	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	11.13	95	498705	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

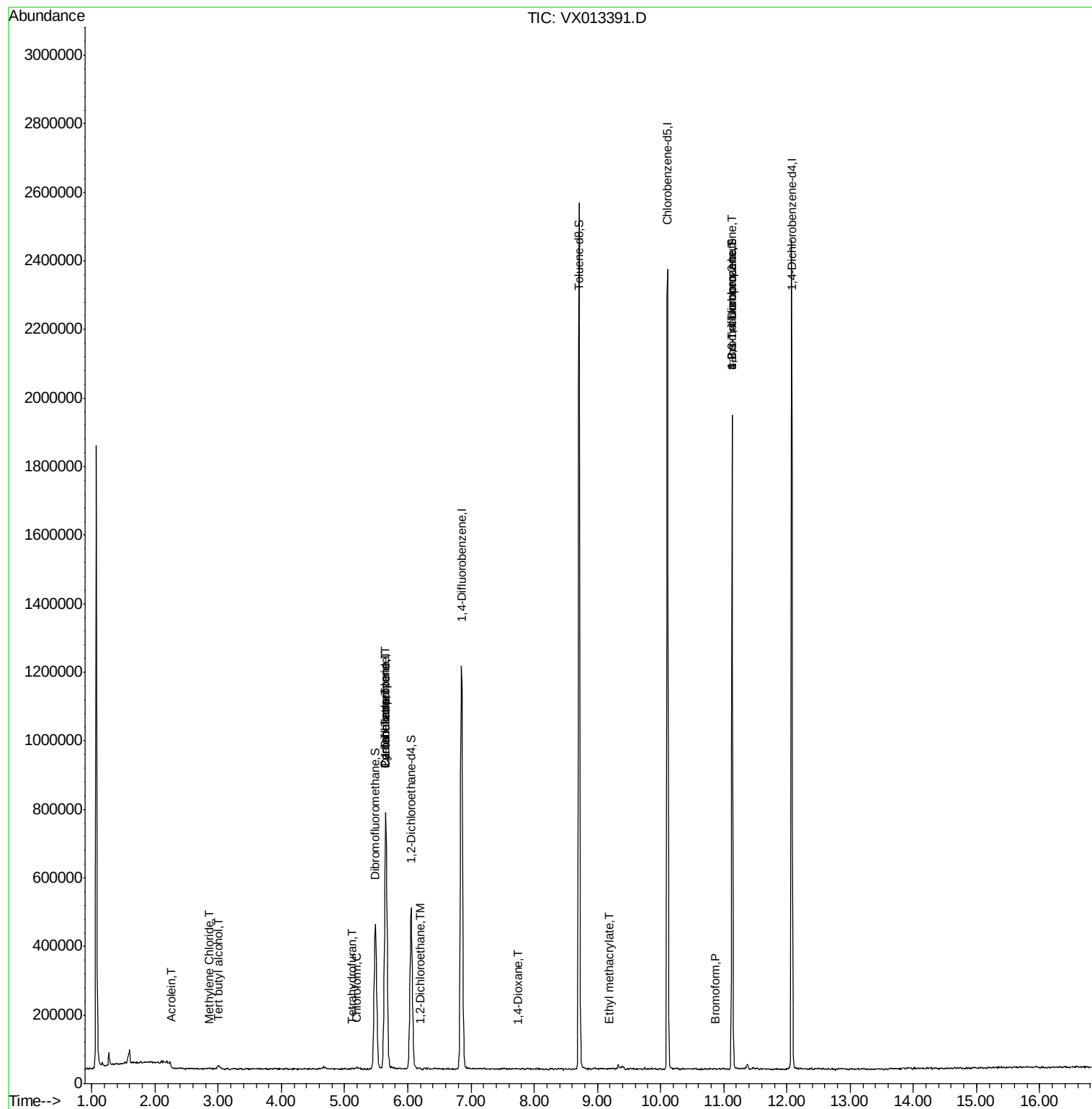
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	443	Below Cal		92
11) Tert butyl alcohol	3.00	59	7998	3.277	ug/l #	91
13) Acrolein	2.26	56	720	0.544	ug/l #	14
20) Methylene Chloride	2.84	84	2216	0.260	ug/l #	50
29) Tetrahydrofuran	5.13	42	1049	0.251	ug/l #	53
30) Chloroform	5.20	83	5895	0.424	ug/l	86
31) Cyclohexane	5.65	56	15887	1.255	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	51601	4.882	ug/l #	50
38) Carbon Tetrachloride	5.65	117	68170	6.596	ug/l #	16
42) 1,2-Dichloroethane	6.20	62	2399	0.202	ug/l	86
49) 1,4-Dioxane	7.73	88	309	1.329	ug/l #	1
56) Ethyl methacrylate	9.18	69	320	1.584	ug/l #	1
71) Bromoform	10.87	173	284	3.238	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	245756	23.855	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	245756	61.403	ug/l #	9

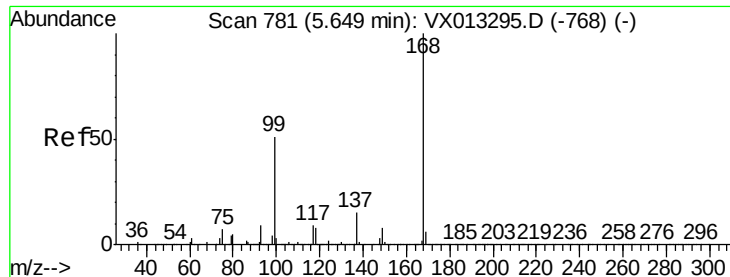
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 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: VX013391.D

Acq: 12 Nov 2019 17:38

Instrument :

MSVOA_X

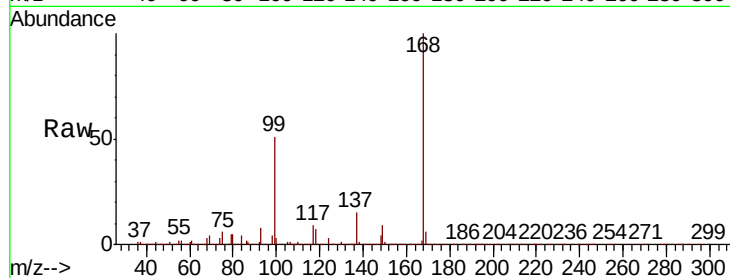
ClientSampleId :

Tot Ion:168 Resp: 781696

Ion Ratio Lower Upper

168 100

99 50.4 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

300000

250000

200000

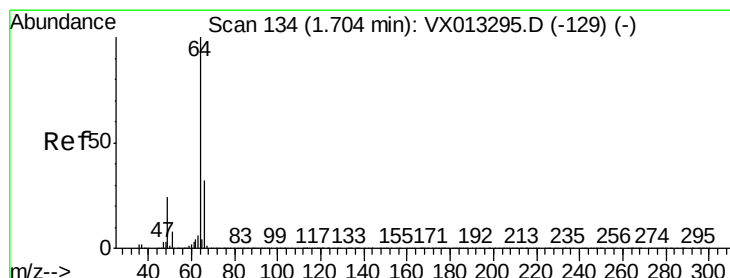
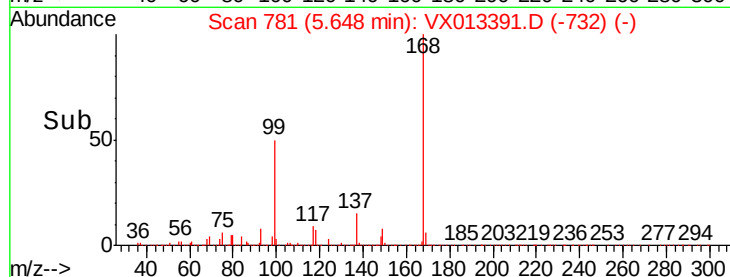
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX013391.D

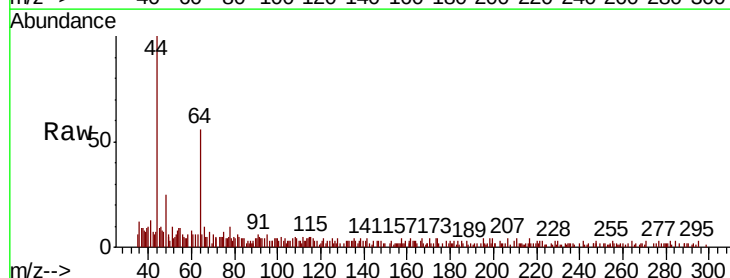
Acq: 12 Nov 2019 17:38

Tgt Ion: 64 Resp: 443

Ion Ratio Lower Upper

64 100

66 36.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

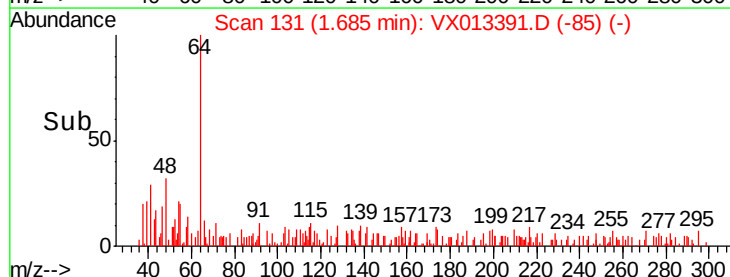
3000

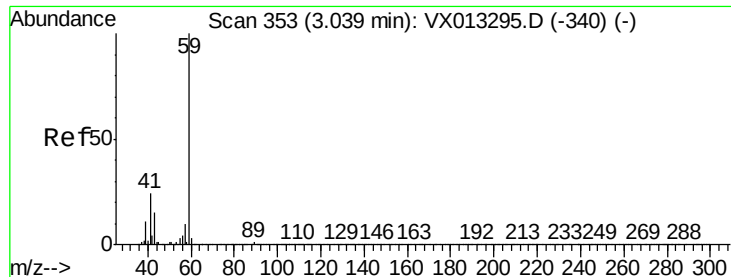
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1000

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Time-->



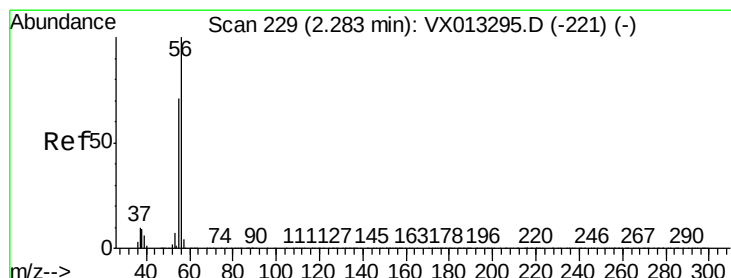
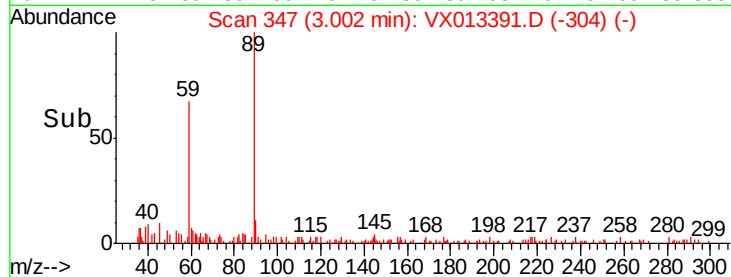
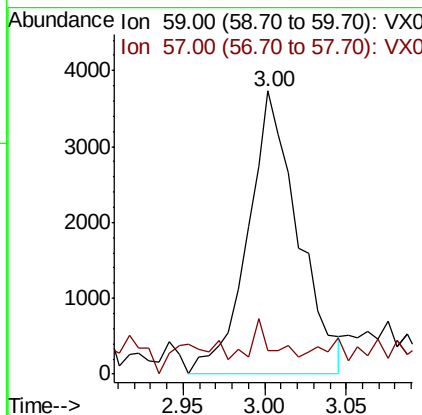
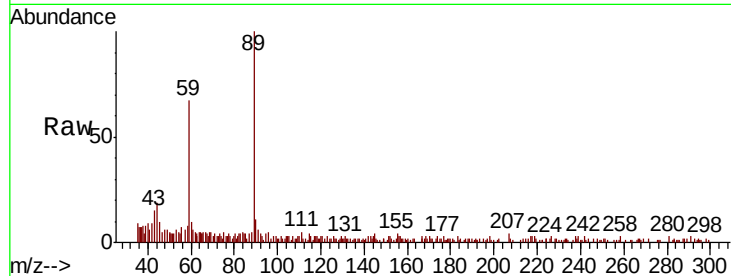


#11

Tert butyl alcohol
Concen: 3.277 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

Instrument :
MSVOA_X
ClientSampled :

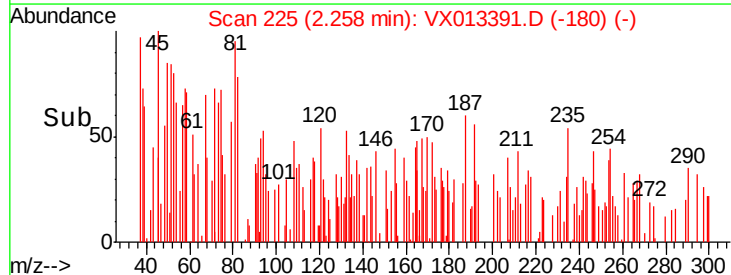
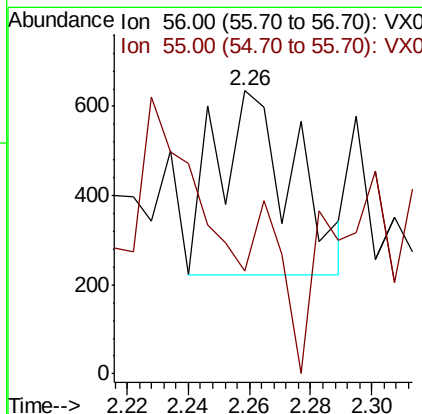
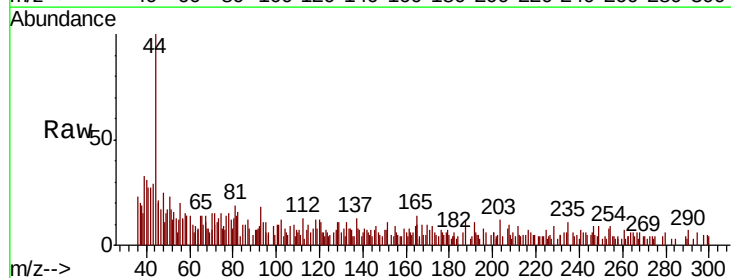
Tot Ion: 59 Resp: 7998
Ion Ratio Lower Upper
59 100
57 6.8 8.0 12.0#

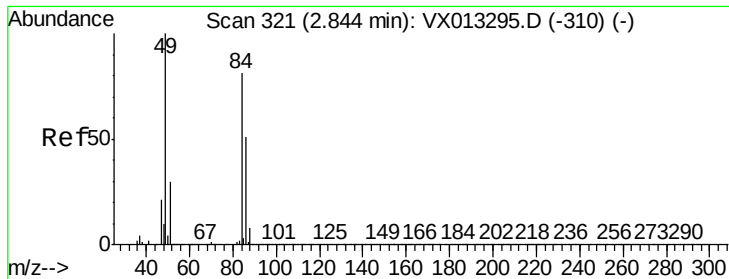


#13

Acrolein
Concen: 0.544 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.02 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

Tgt Ion: 56 Resp: 720
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

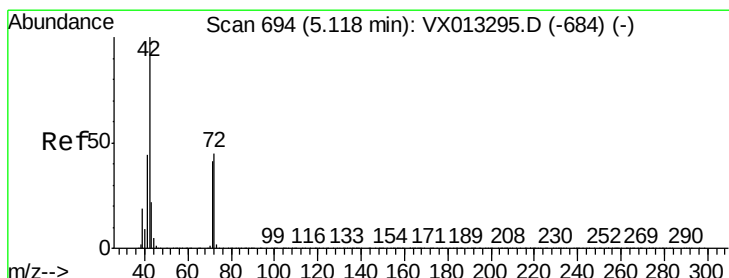
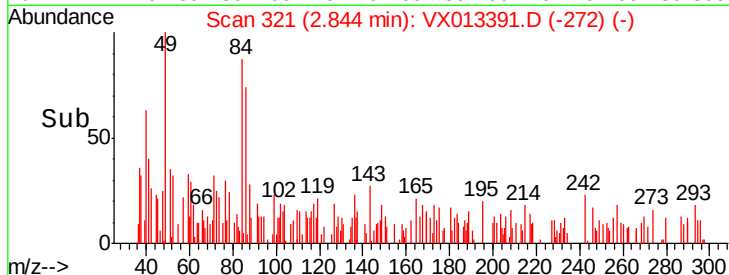
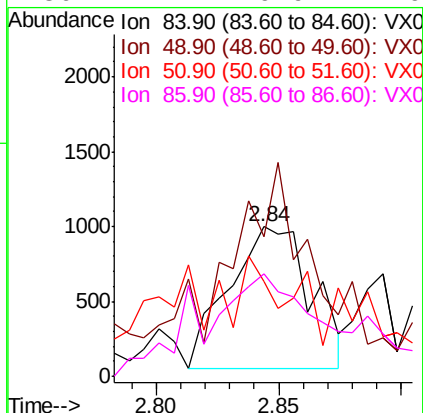
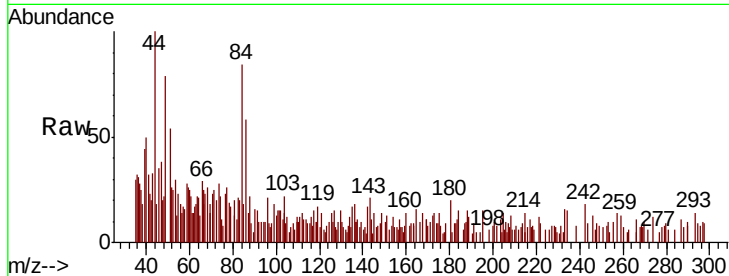




#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

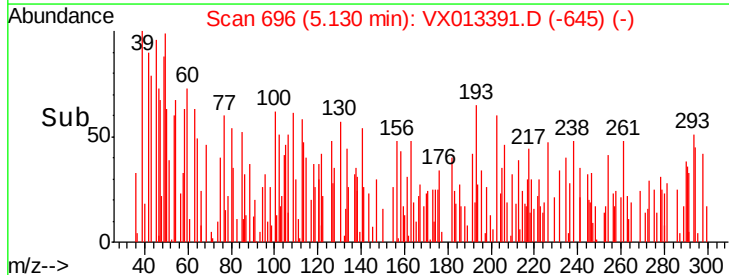
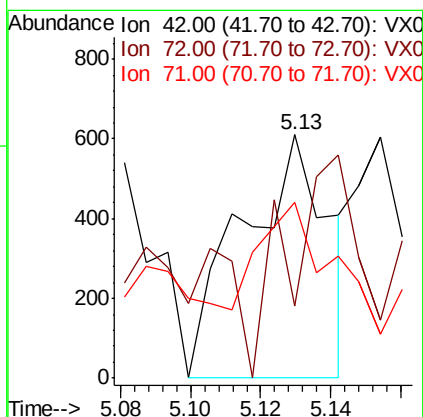
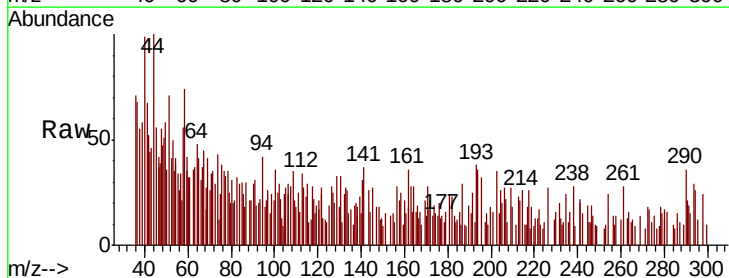
Instrument :
MSVOA_X
ClientSampled :

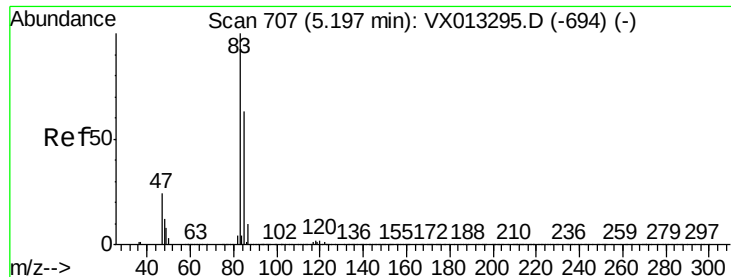
Tot Ion: 84 Resp: 2216
Ion Ratio Lower Upper
84 100
49 54.6 98.2 147.4#
51 4.9 29.9 44.9#
86 41.2 49.9 74.9#



#29
Tetrahydrofuran
Concen: 0.251 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

Tgt Ion: 42 Resp: 1049
Ion Ratio Lower Upper
42 100
72 74.6 35.8 53.8#
71 71.9 33.4 50.0#

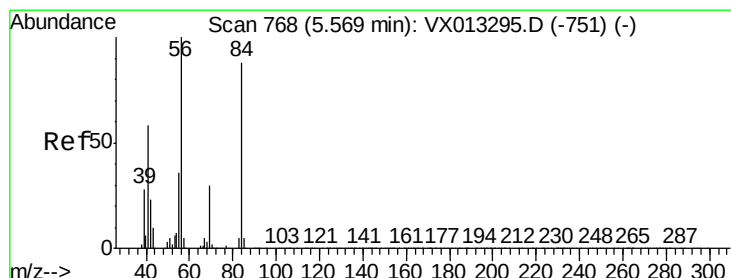
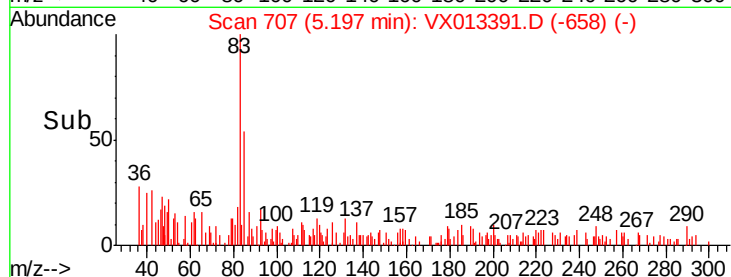
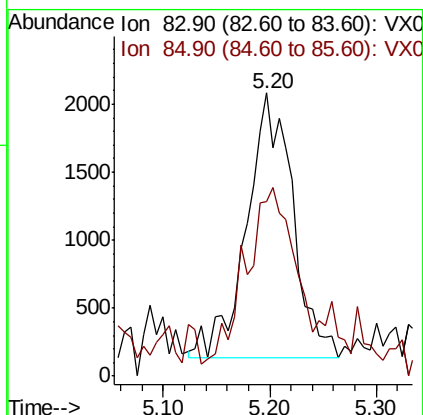
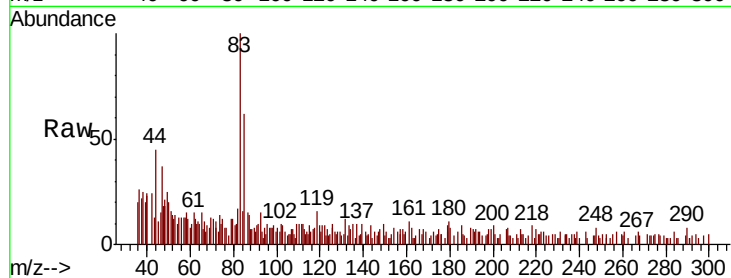




#30
Chloroform
Concen: 0.424 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

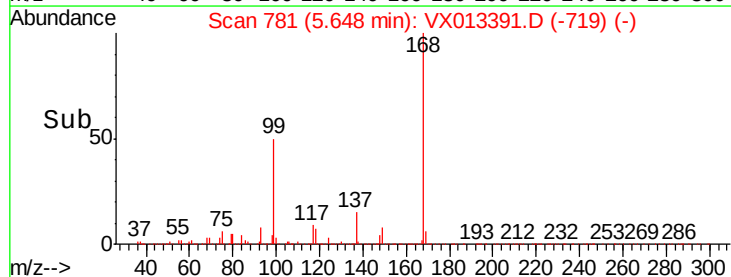
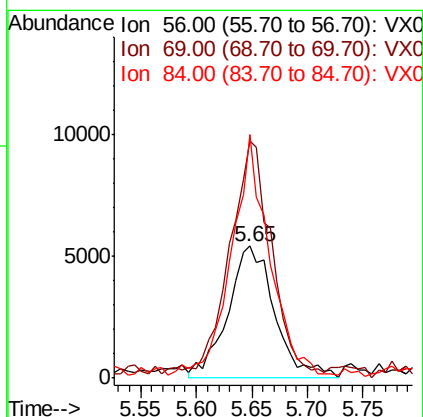
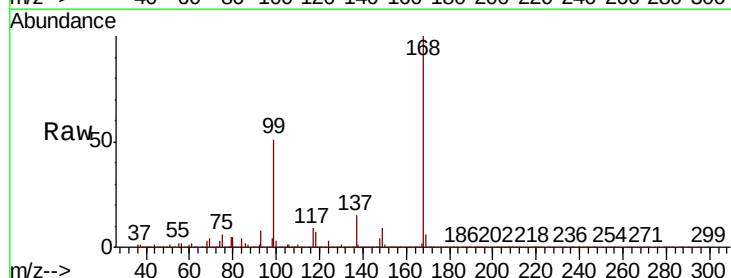
Instrument :
MSVOA_X
ClientSampleId :

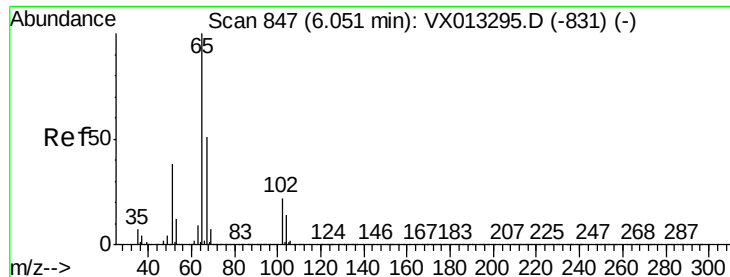
Tot Ion: 83 Resp: 5895
Ion Ratio Lower Upper
83 100
85 51.6 50.2 75.4



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

Tgt Ion: 56 Resp: 15887
Ion Ratio Lower Upper
56 100
69 171.8 23.7 35.5#
84 181.6 70.6 105.8#

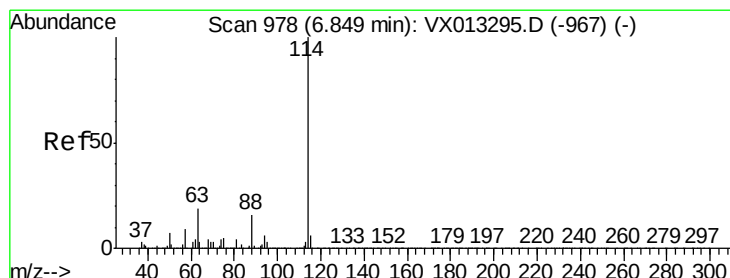
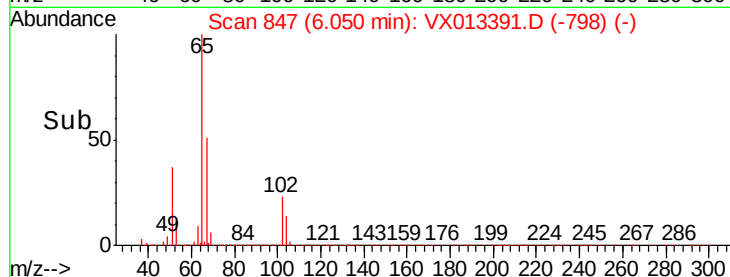
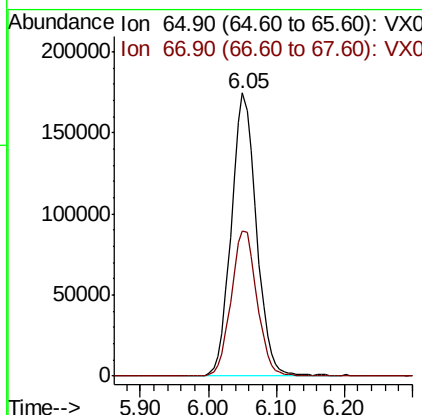
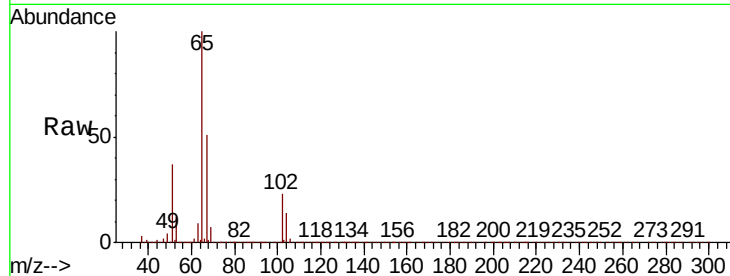




#33
 1,2-Dichloroethane-d4
 Concen: 48.157 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013391.D
 Acq: 12 Nov 2019 17:38

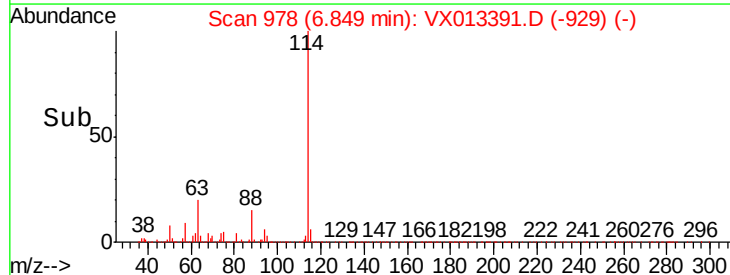
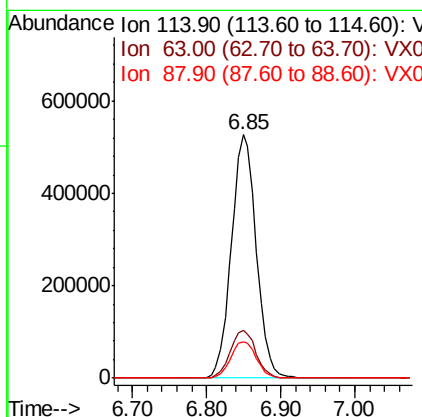
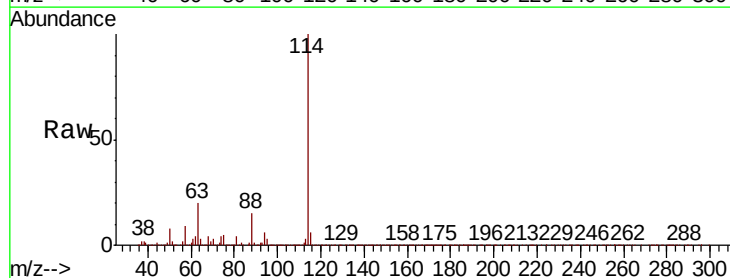
Instrument :
 MSVOA_X
 ClientSampleId :

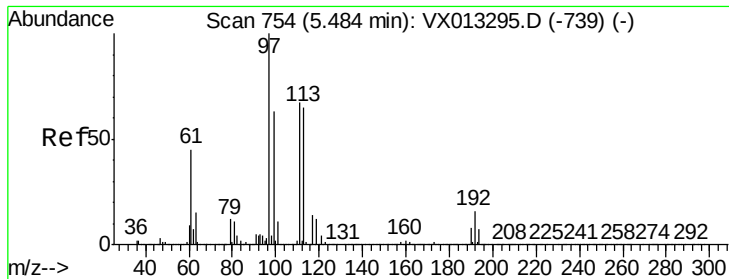
Tot Ion: 65 Resp: 445972
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013391.D
 Acq: 12 Nov 2019 17:38

Tgt Ion: 114 Resp: 1232053
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.4
 88 14.9 0.0 32.2

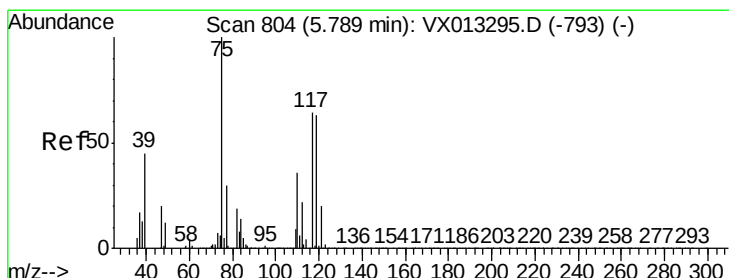
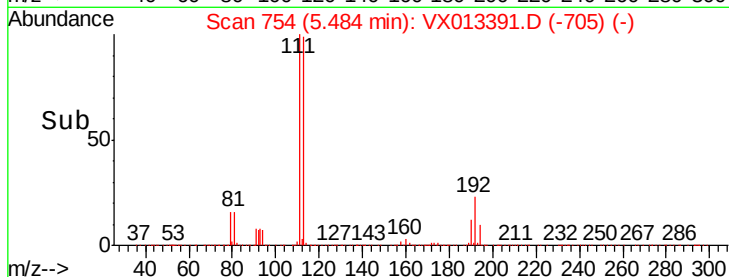
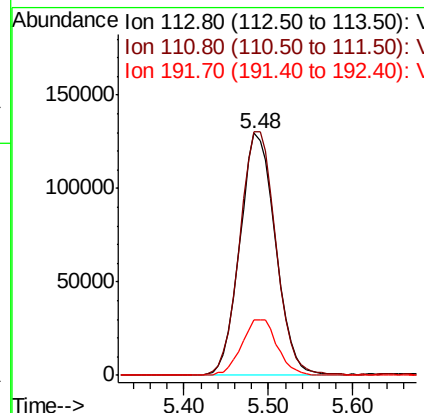
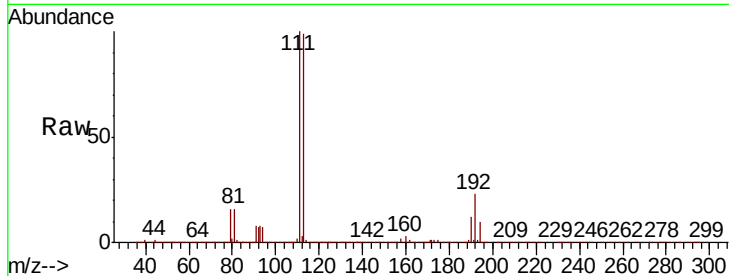




#35
 Dibromofluoromethane
 Concen: 47.681 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013391.D
 Acq: 12 Nov 2019 17:38

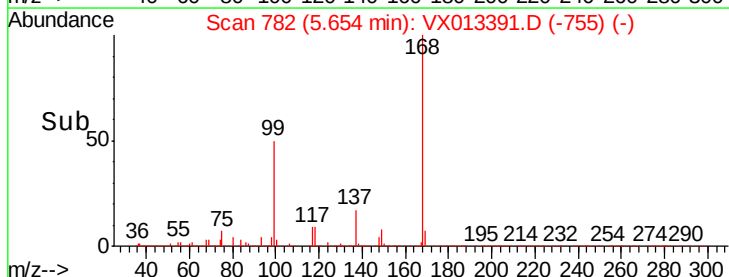
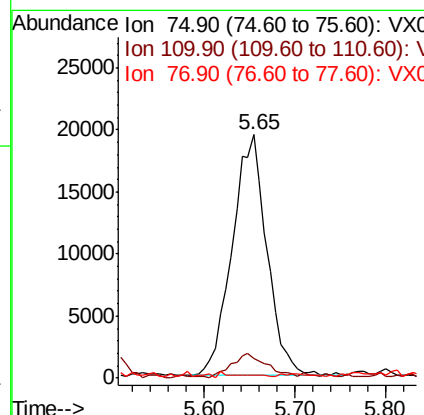
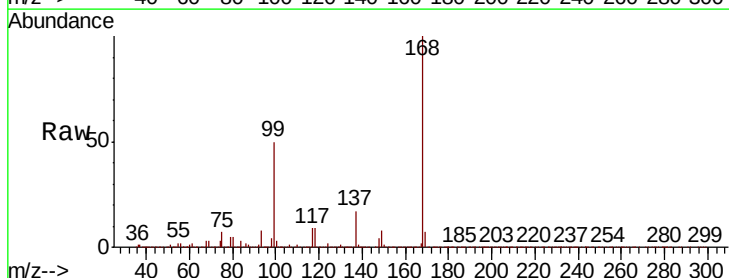
Instrument :
 MSVOA_X
 ClientSampleId :

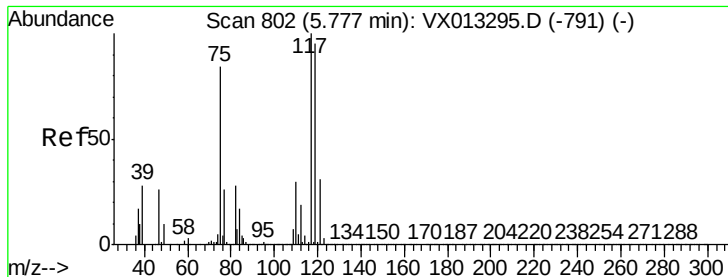
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	23.4	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.882 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013391.D
 Acq: 12 Nov 2019 17:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.1	54.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.596 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013391.D

Acq: 12 Nov 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

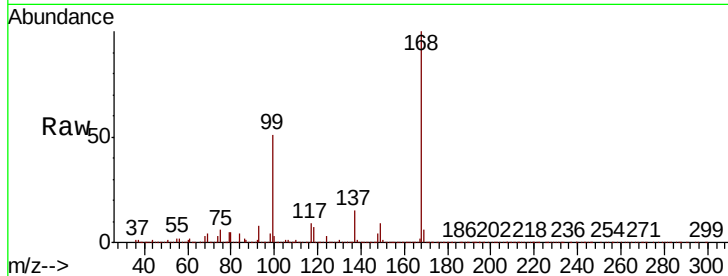
Tot Ion:117 Resp: 68170

Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

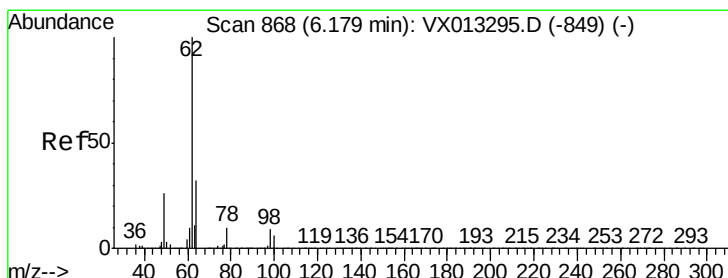
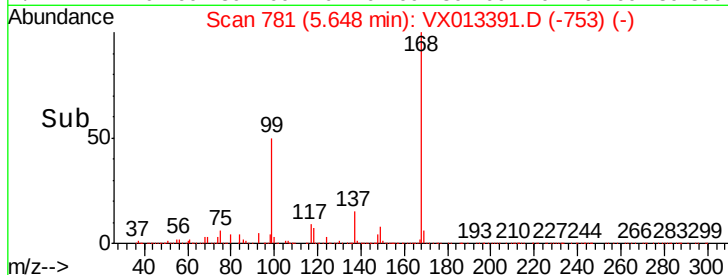
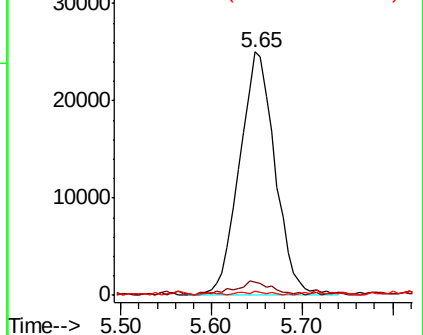
121 0.9 24.6 37.0#



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



#42

1,2-Dichloroethane

Concen: 0.202 ug/l

RT: 6.20 min Scan# 872

Delta R.T. 0.02 min

Lab File: VX013391.D

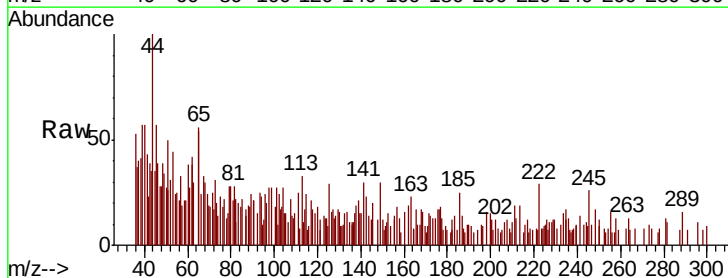
Acq: 12 Nov 2019 17:38

Tgt Ion: 62 Resp: 2399

Ion Ratio Lower Upper

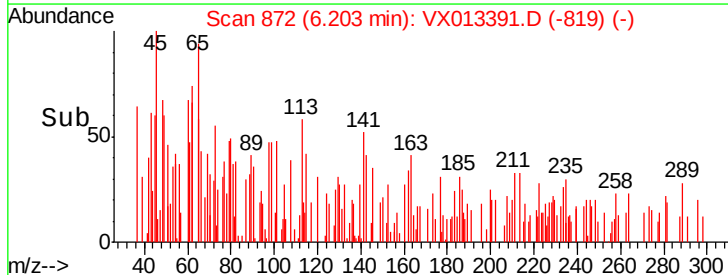
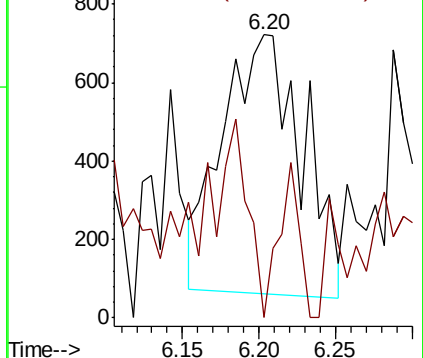
62 100

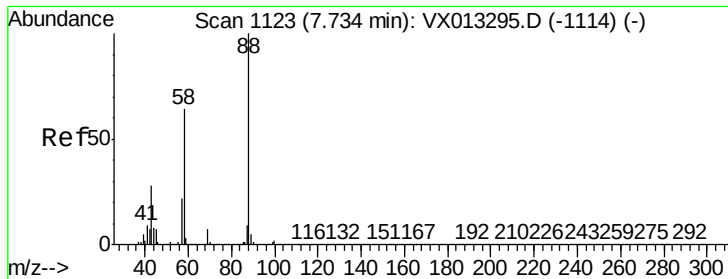
98 14.8 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

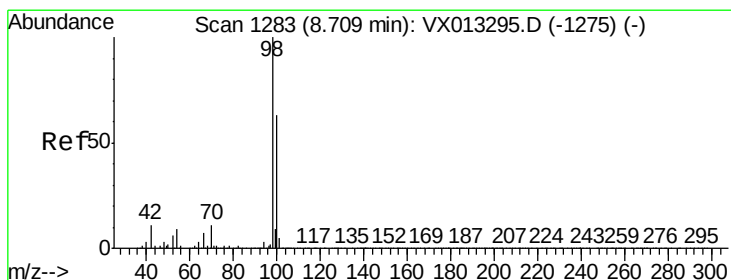
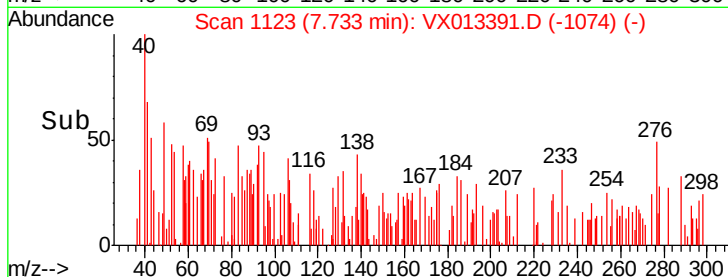
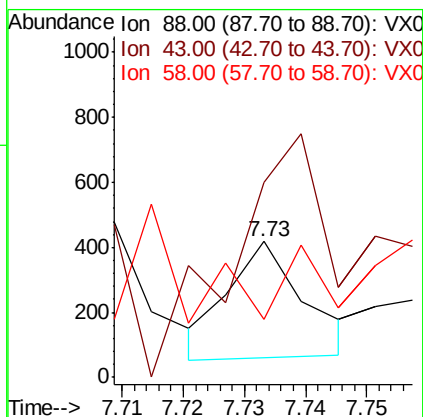
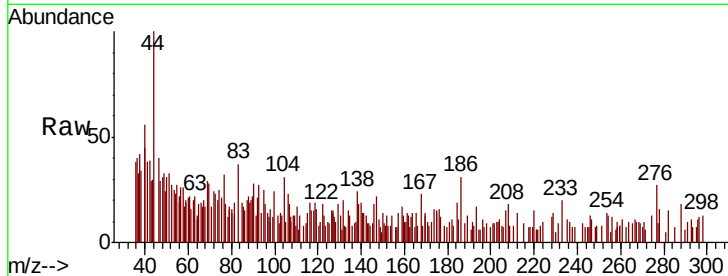




#49
1,4-Dioxane
Concen: 1.329 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

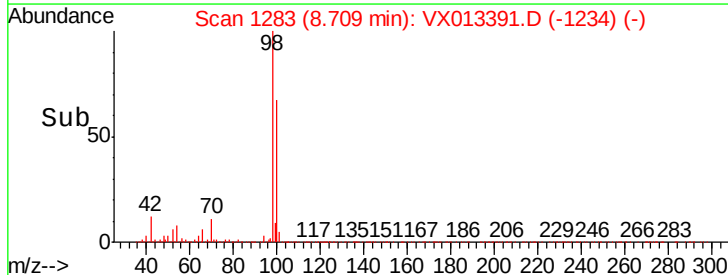
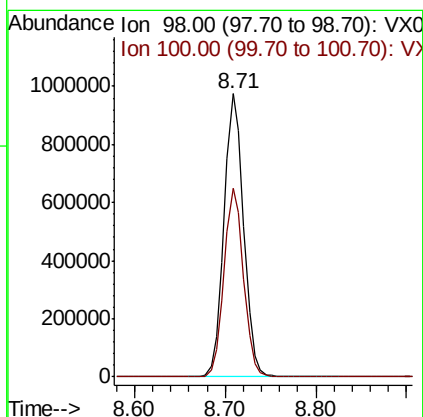
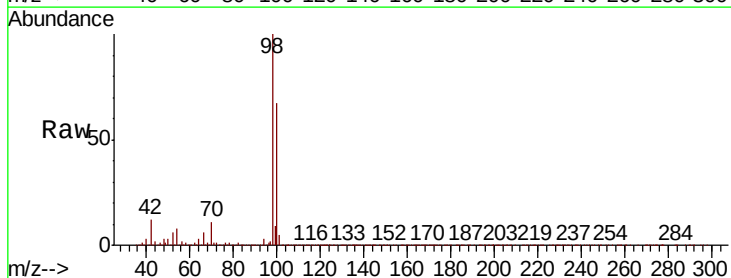
Instrument :
MSVOA_X
ClientSampleId :

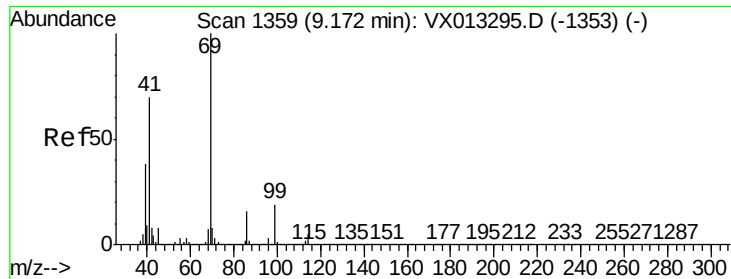
Tot Ion: 88 Resp: 309
Ion Ratio Lower Upper
88 100
43 395.5 26.6 39.8#
58 0.0 55.0 82.6#



#50
Toluene-d8
Concen: 50.305 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

Tgt Ion: 98 Resp: 1465510
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.2

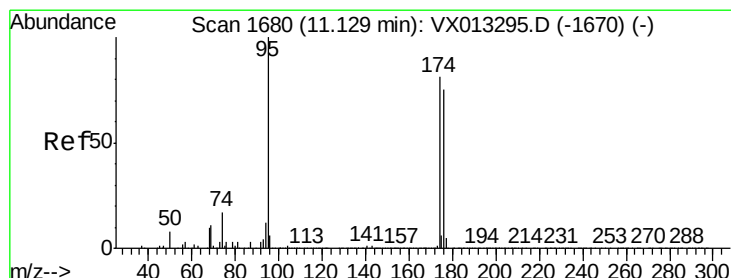
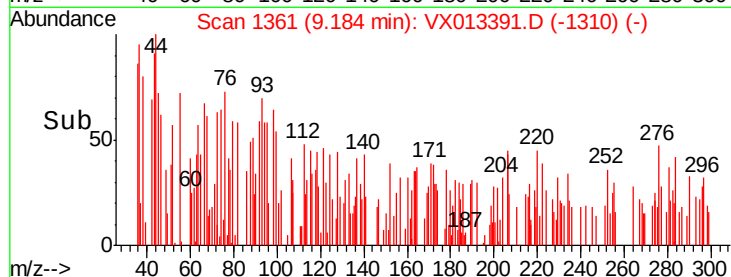
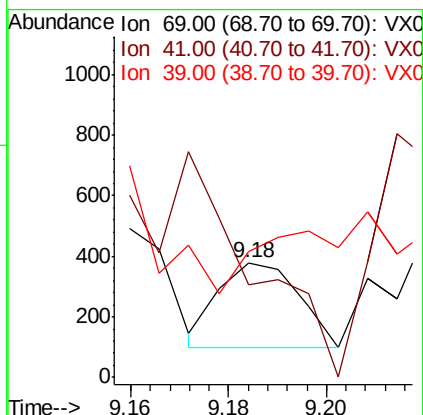
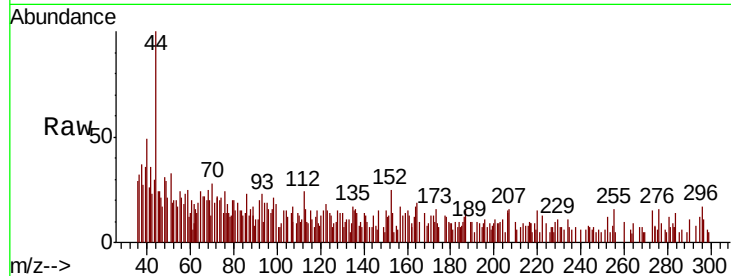




#56
Ethyl methacrylate
Concen: 1.584 ug/l
RT: 9.18 min Scan# 1361
Delta R.T. 0.01 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

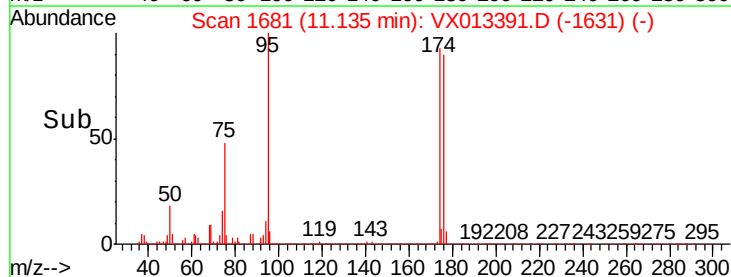
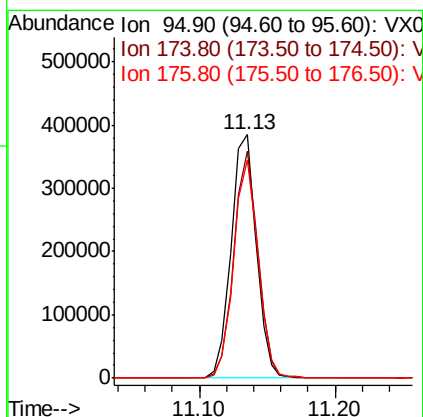
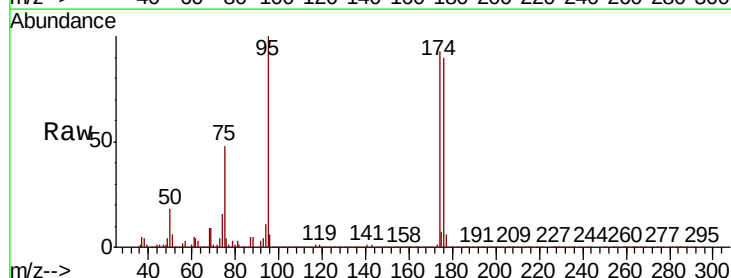
Instrument :
MSVOA_X
ClientSampleID :

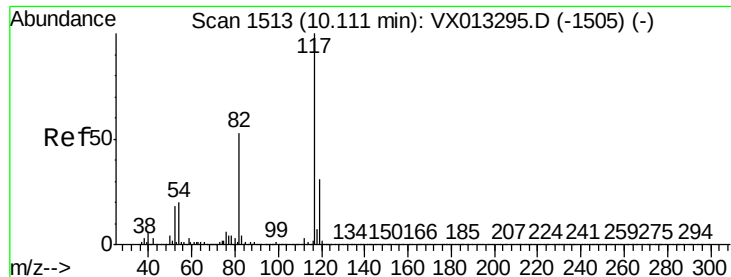
Tot Ion: 69 Resp: 320
Ion Ratio Lower Upper
69 100
41 365.3 56.2 84.2#
39 0.0 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 47.433 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

Tgt Ion: 95 Resp: 498705
Ion Ratio Lower Upper
95 100
174 89.4 0.0 179.8
176 86.9 0.0 173.0

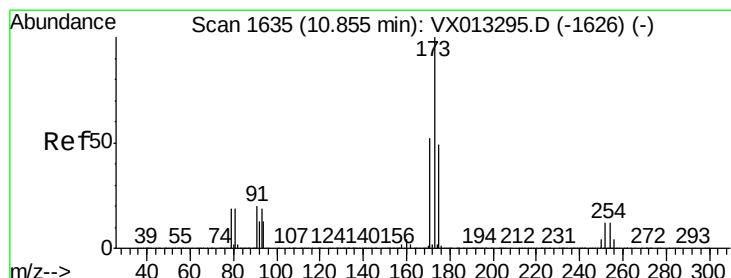
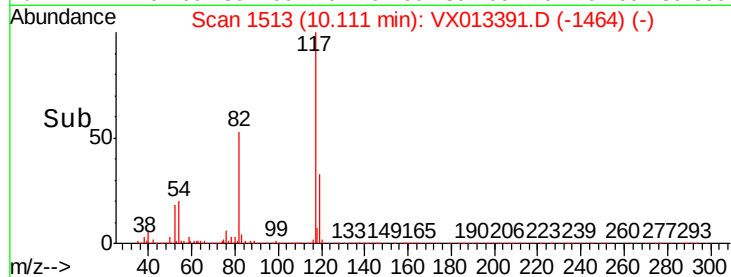
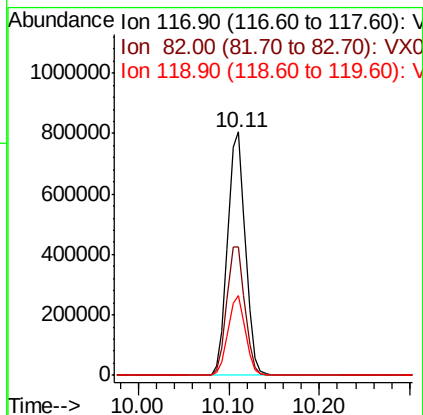
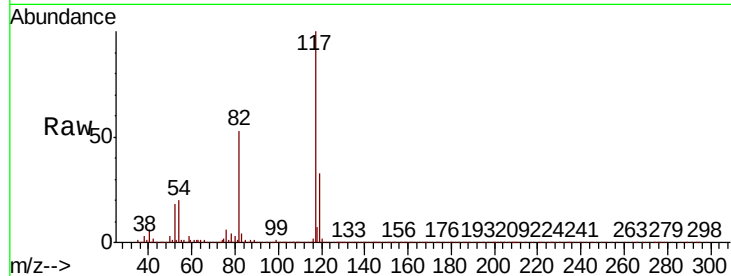




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

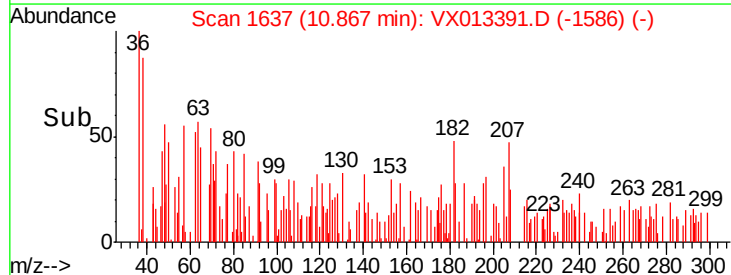
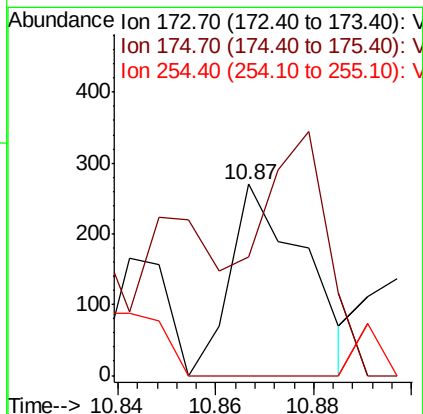
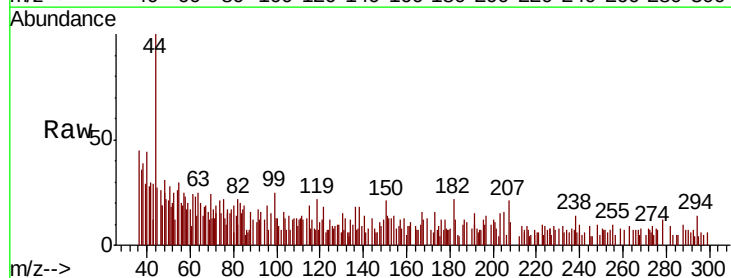
Instrument :
MSVOA_X
ClientSampleId :

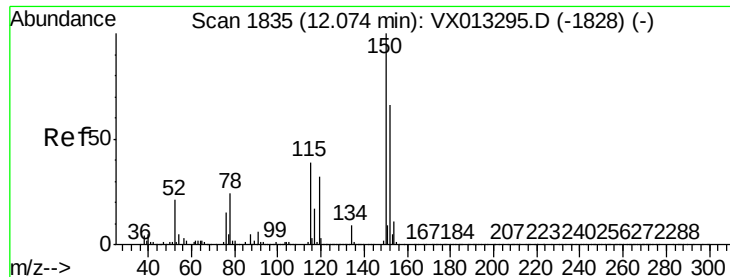
Tot Ion:117 Resp: 1095270
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 32.8 24.8 37.2



#71
Bromoform
Concen: 3.238 ug/l
RT: 10.87 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VX013391.D
Acq: 12 Nov 2019 17:38

Tgt Ion:173 Resp: 284
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013391.D

Acq: 12 Nov 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

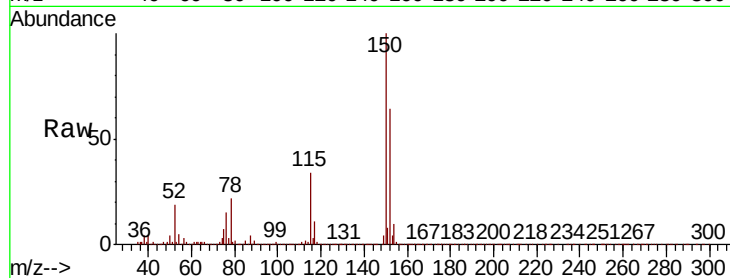
Tot Ion:152 Resp: 507199

Ion Ratio Lower Upper

152 100

115 55.2 39.5 118.3

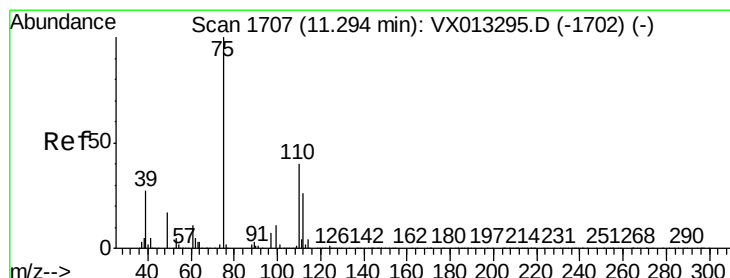
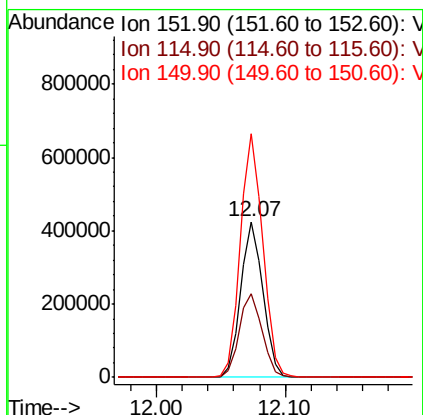
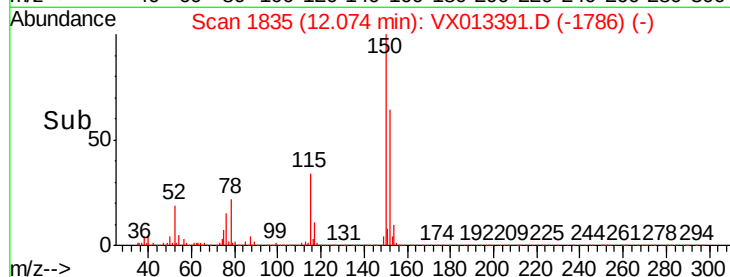
150 157.8 0.0 344.4



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: 23.855 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013391.D

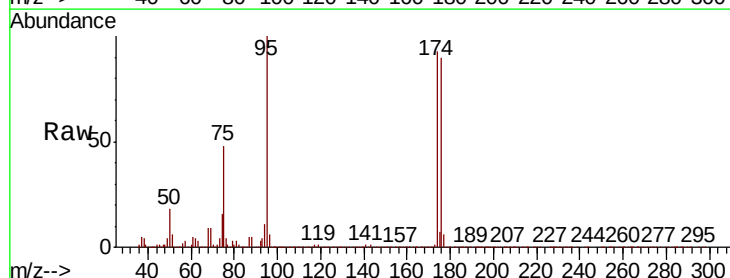
Acq: 12 Nov 2019 17:38

Tgt Ion: 75 Resp: 245756

Ion Ratio Lower Upper

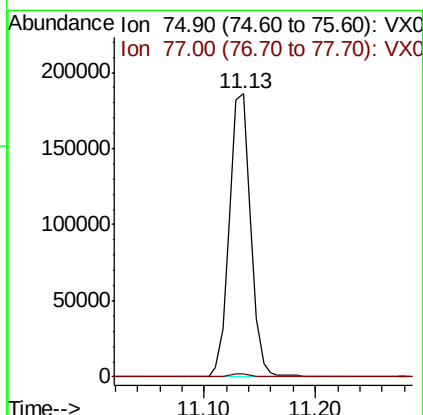
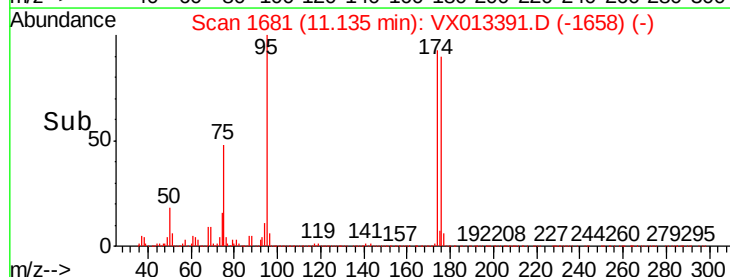
75 100

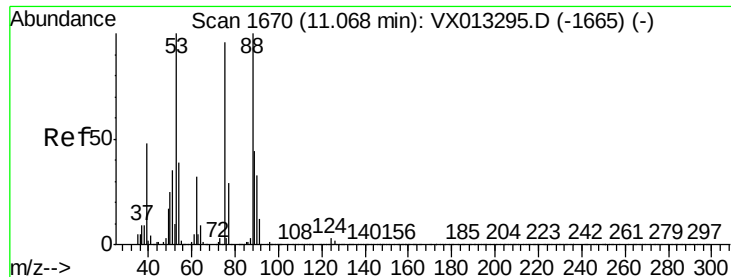
77 1.4 22.3 66.8#



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: 61.403 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX013391.D
 Acq: 12 Nov 2019 17:38

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 245756
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 0.2 36.0 54.0#

