

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110119\
 Data File : VX013312.D
 Acq On : 01 Nov 2019 15:30
 Operator : JC/SP
 Sample : K5626-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:30:30 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	751462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1129372	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1001562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	465379	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	426813	47.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.88%	
35) Dibromofluoromethane	5.49	113	341041	48.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.30%	
50) Toluene-d8	8.71	98	1337654	50.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.13	95	444699	46.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.28%	

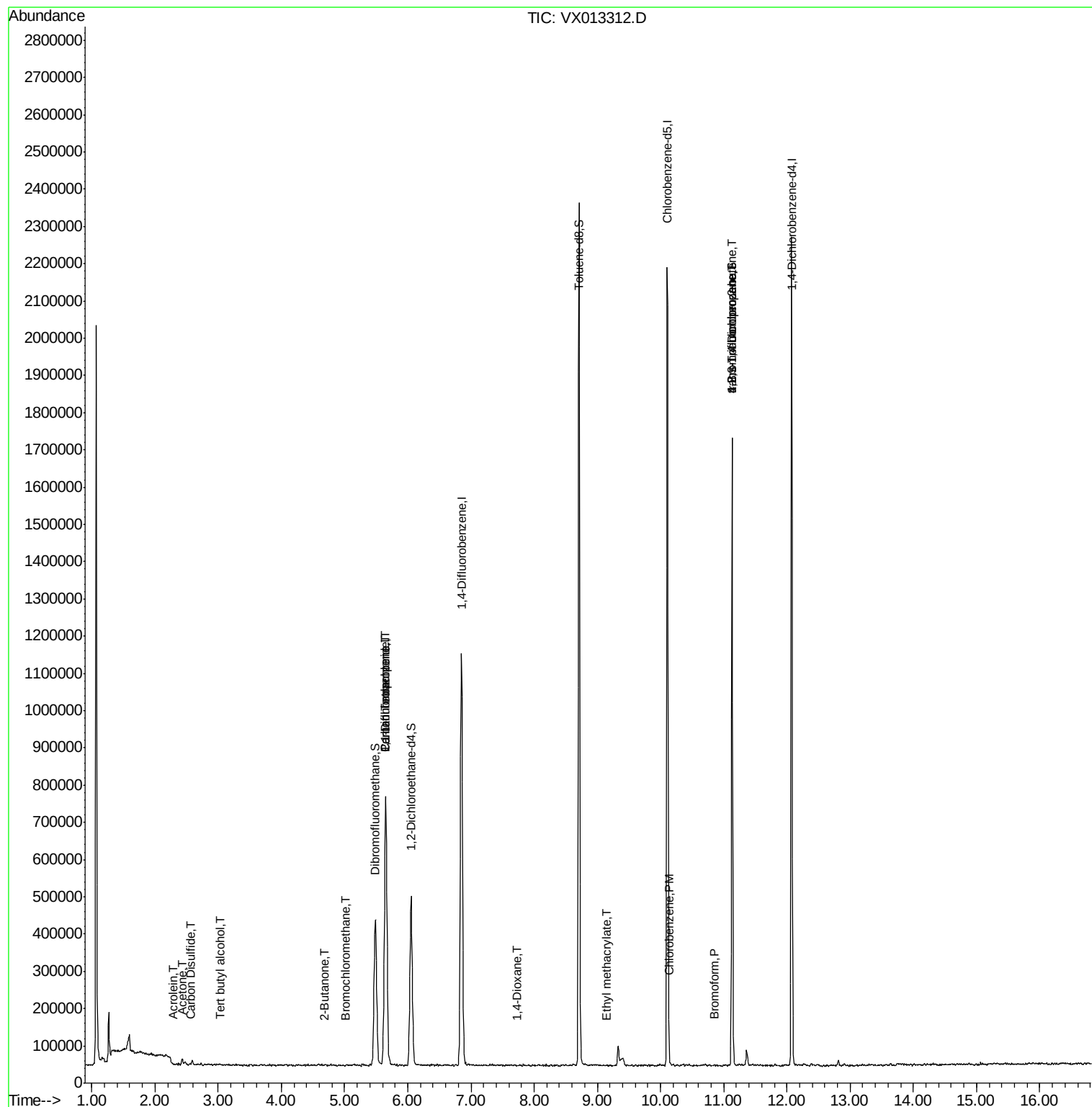
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.97	64	784	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	887	0.378	ug/l #	1
13) Acrolein	2.29	56	682	0.536	ug/l #	39
16) Acetone	2.43	43	17819	4.013	ug/l	100
17) Carbon Disulfide	2.56	76	5062	0.274	ug/l	100
25) 2-Butanone	4.68	43	2867	0.440	ug/l #	58
28) Bromochloromethane	5.01	49	1307	0.340	ug/l #	41
36) 1,1-Dichloropropene	5.65	75	50732	5.236	ug/l #	52
38) Carbon Tetrachloride	5.65	117	65622	6.926	ug/l #	17
49) 1,4-Dioxane	7.73	88	233	1.093	ug/l #	1
56) Ethyl methacrylate	9.14	69	323	1.587	ug/l #	1
65) Chlorobenzene	10.14	112	5186	0.256	ug/l #	82
71) Bromoform	10.86	173	243	3.236	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	226300	23.941	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	226300	61.623	ug/l #	9

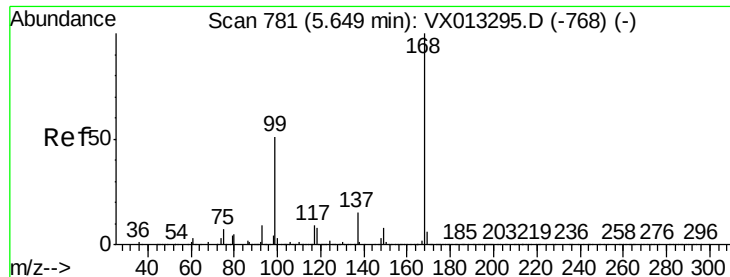
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX013312.D

Acq: 01 Nov 2019 15:30

Instrument :

MSVOA_X

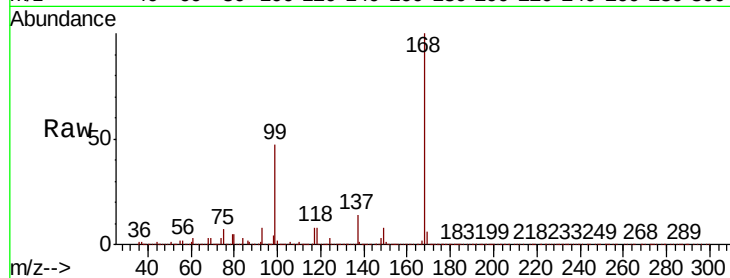
ClientSampleId :

Tot Ion:168 Resp: 751462

Ion Ratio Lower Upper

168 100

99 47.3 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

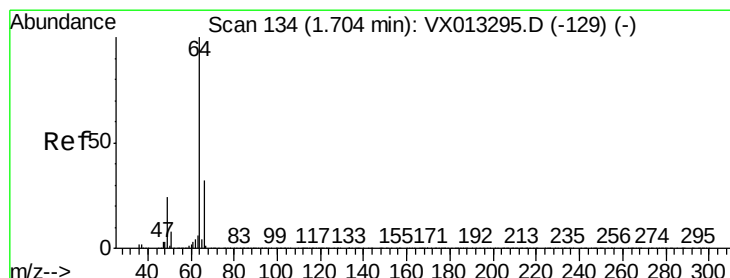
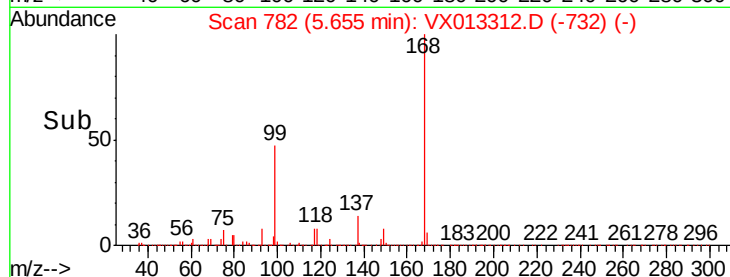
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.97 min Scan# 178

Delta R.T. 0.27 min

Lab File: VX013312.D

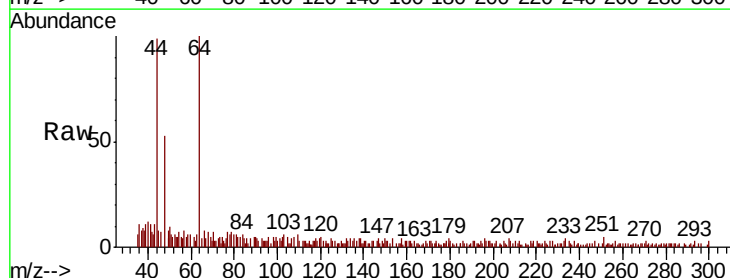
Acq: 01 Nov 2019 15:30

Tgt Ion: 64 Resp: 784

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.97

6000

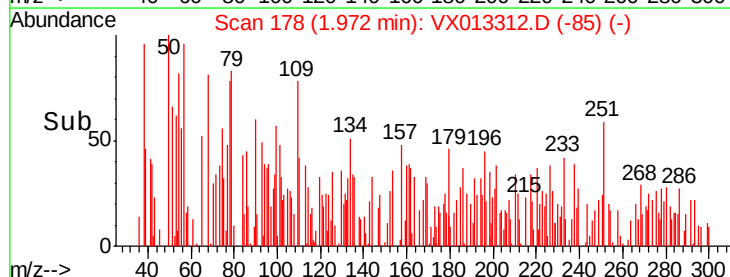
4000

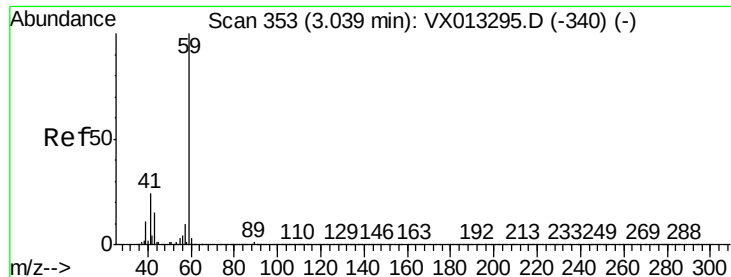
2000

0

Time-->

1.96 1.97 1.98



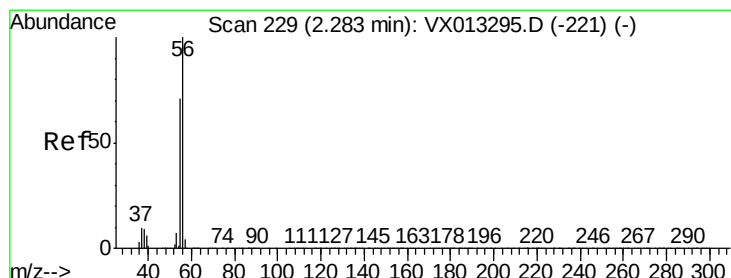
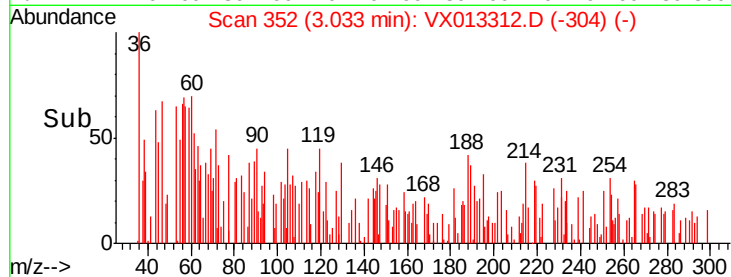
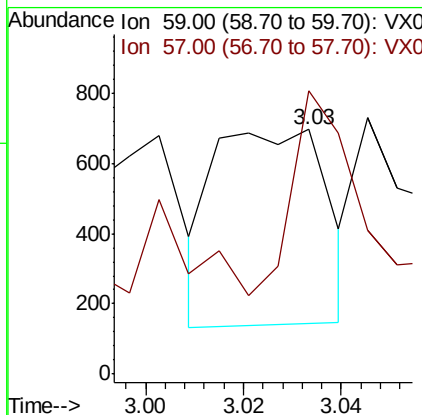
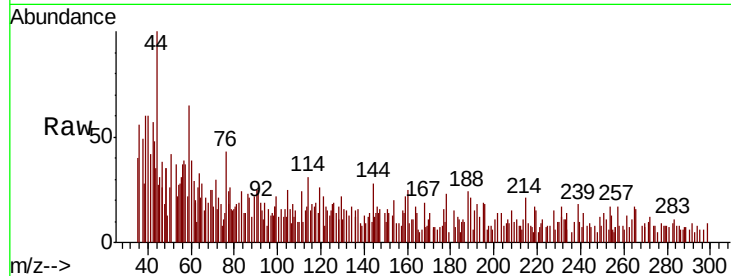


#11

Tert butyl alcohol
 Concen: 0.378 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX013312.D
 Acq: 01 Nov 2019 15:30

Instrument :
 MSVOA_X
 ClientSampled :

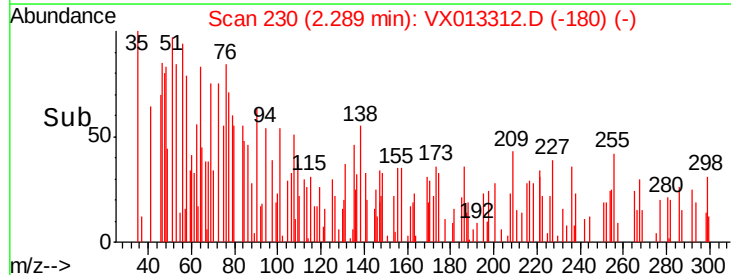
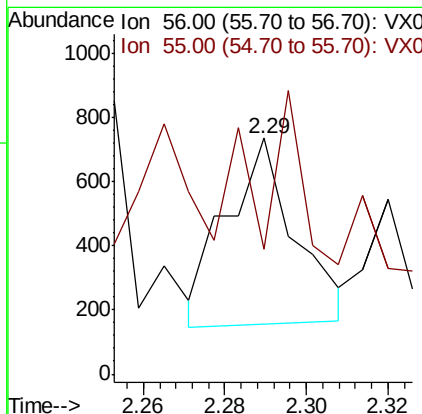
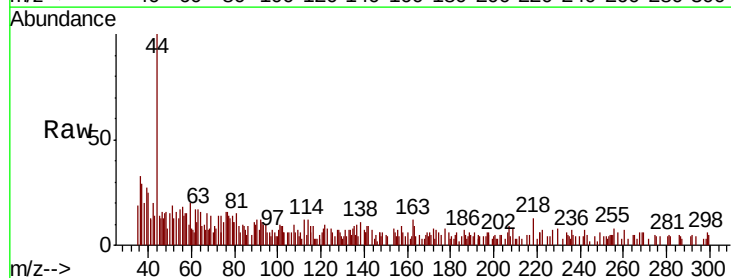
Tot Ion: 59 Resp: 887
 Ion Ratio Lower Upper
 59 100
 57 57.8 8.0 12.0#

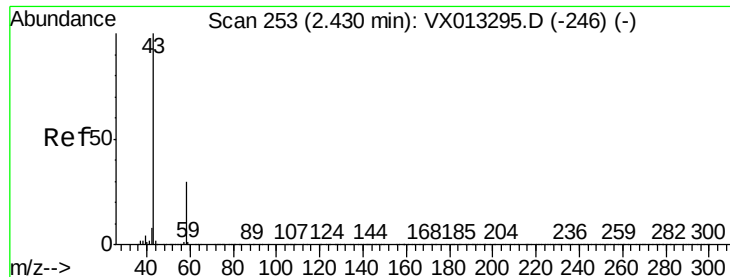


#13

Acrolein
 Concen: 0.536 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX013312.D
 Acq: 01 Nov 2019 15:30

Tgt Ion: 56 Resp: 682
 Ion Ratio Lower Upper
 56 100
 55 21.0 57.4 86.0#





#16

Acetone

Concen: 4.013 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013312.D

Acq: 01 Nov 2019 15:30

Instrument :

MSVOA_X

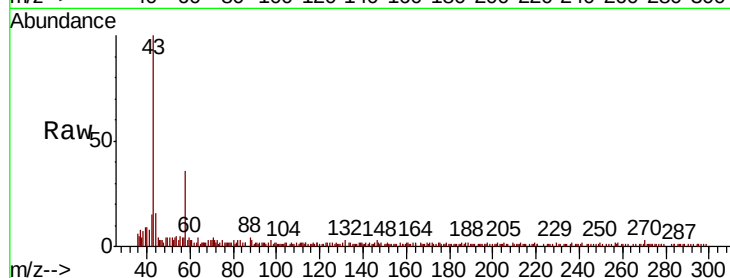
ClientSampled :

Tot Ion: 43 Resp: 17819

Ion Ratio Lower Upper

43 100

58 30.2 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

10000

8000

6000

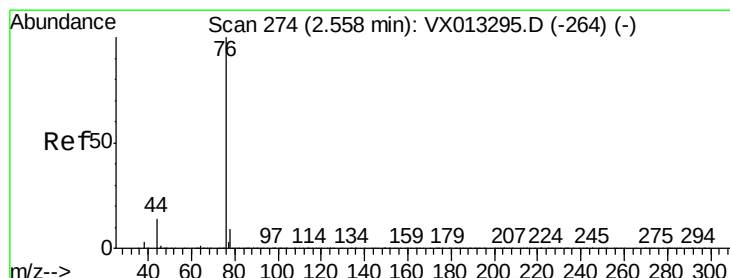
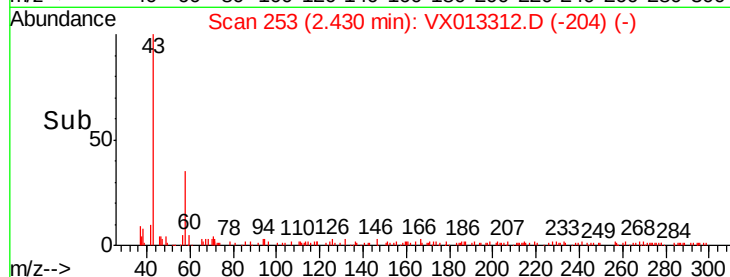
4000

2000

0

Time-->

2.30 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.274 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013312.D

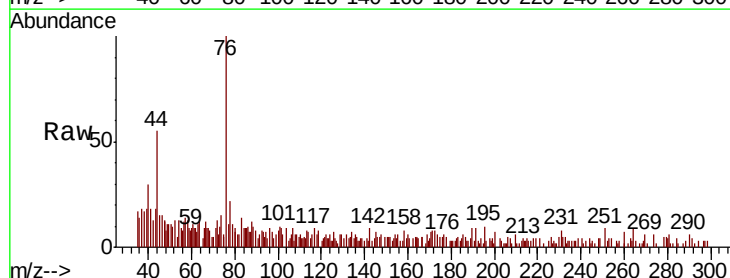
Acq: 01 Nov 2019 15:30

Tgt Ion: 76 Resp: 5062

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

3000

2500

2000

1500

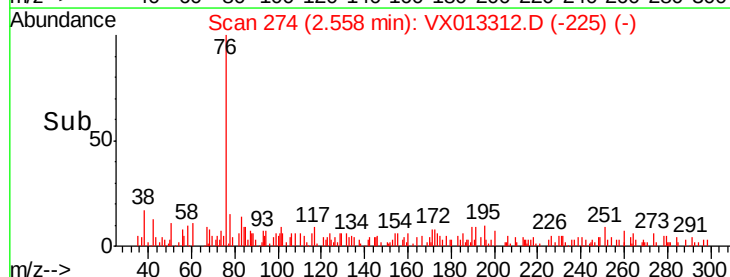
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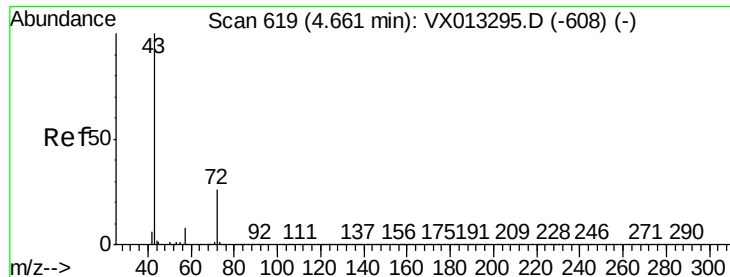
500

0

Time-->

2.50 2.55 2.60





#25

2-Butanone

Concen: 0.440 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013312.D

Acq: 01 Nov 2019 15:30

Instrument :

MSVOA_X

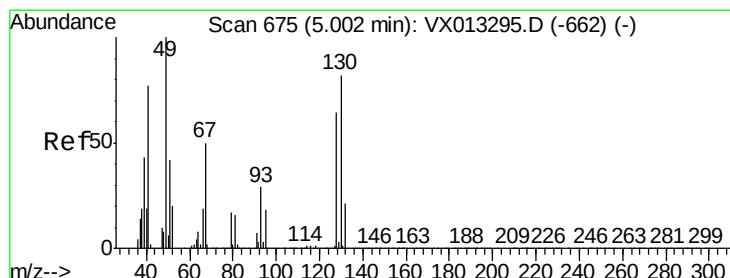
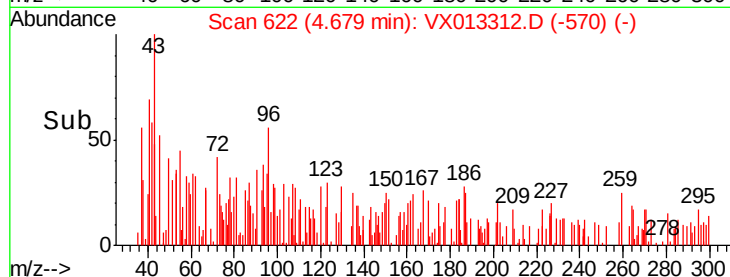
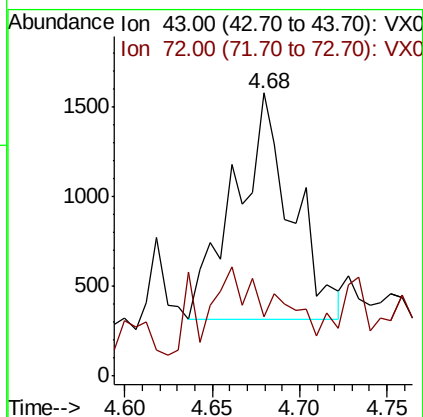
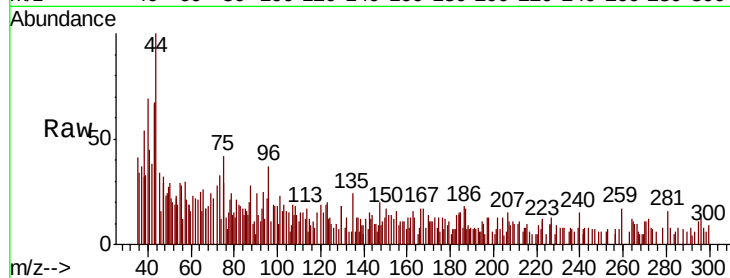
ClientSampled :

Tot Ion: 43 Resp: 2867

Ion Ratio Lower Upper

43 100

72 5.0 21.0 31.6#



#28

Bromochloromethane

Concen: 0.340 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013312.D

Acq: 01 Nov 2019 15:30

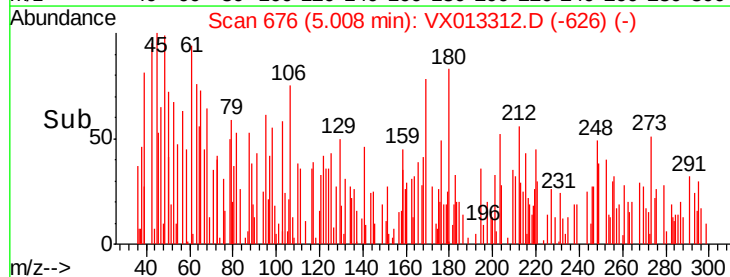
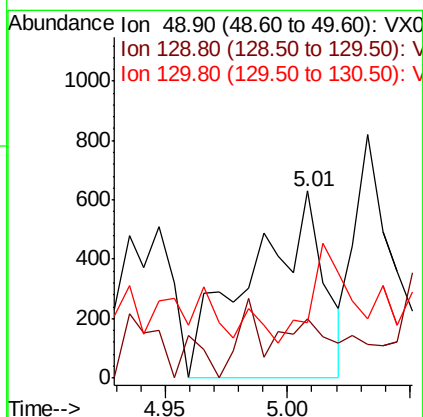
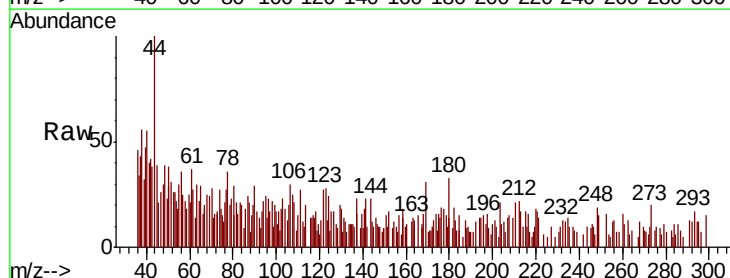
Tgt Ion: 49 Resp: 1307

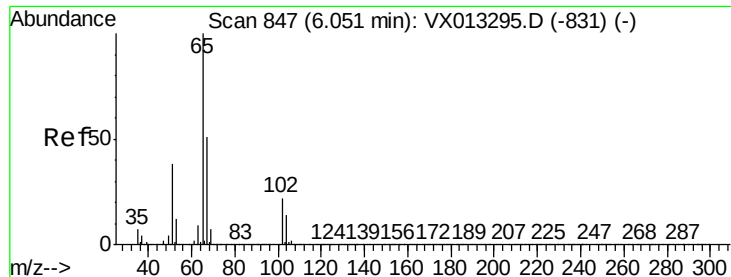
Ion Ratio Lower Upper

49 100

129 12.8 0.0 5.2#

130 26.6 63.8 95.6#

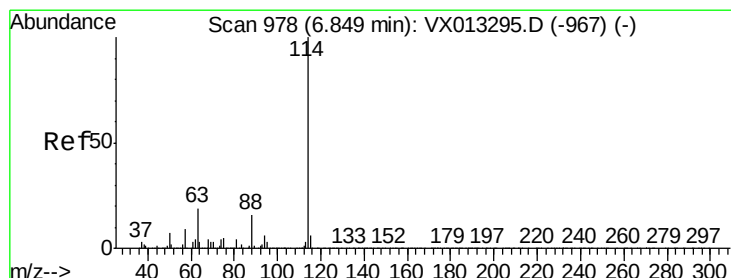
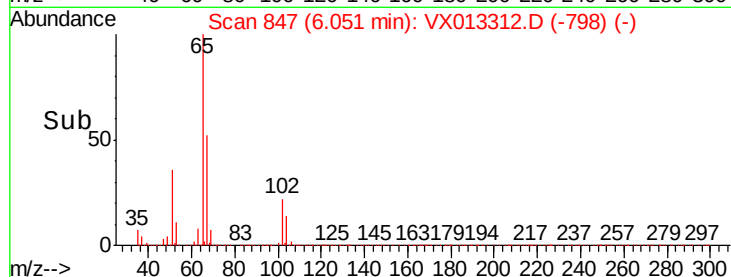
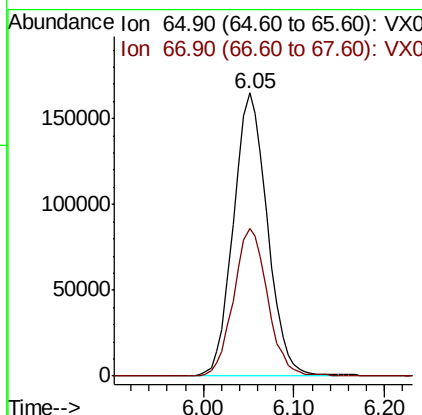
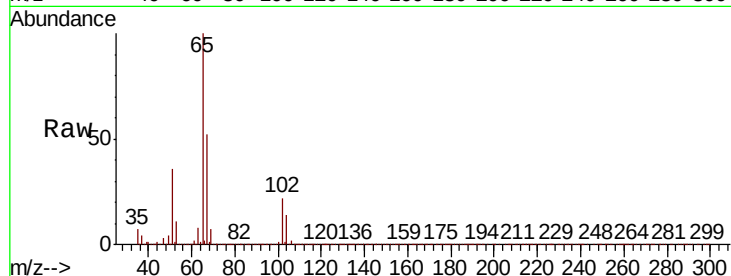




#33
 1,2-Dichloroethane-d4
 Concen: 47.943 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013312.D
 Acq: 01 Nov 2019 15:30

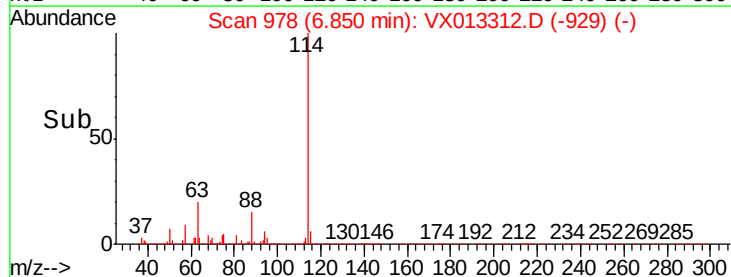
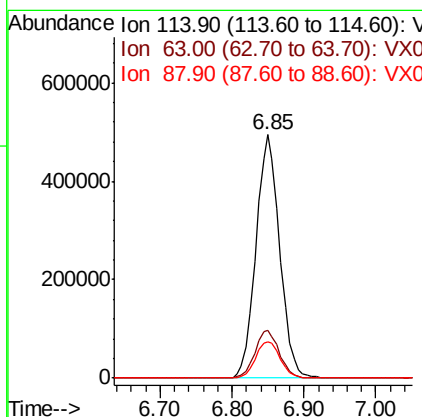
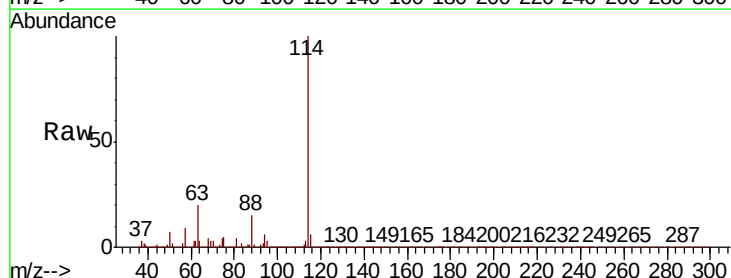
Instrument :
 MSVOA_X
 ClientSampleId :

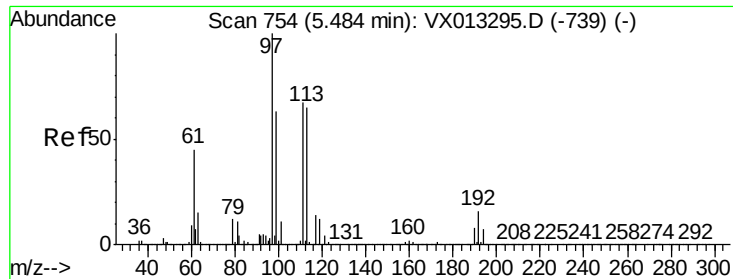
Tot Ion: 65 Resp: 426813
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013312.D
 Acq: 01 Nov 2019 15:30

Tgt Ion: 114 Resp: 1129372
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 15.0 0.0 32.2

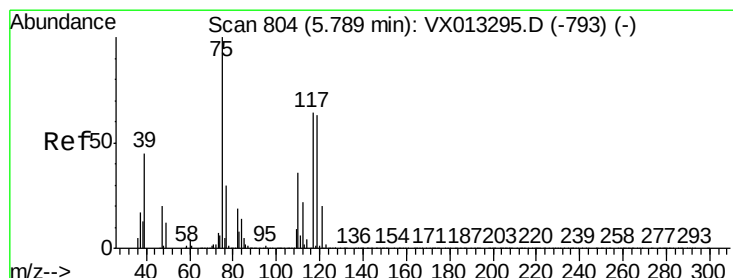
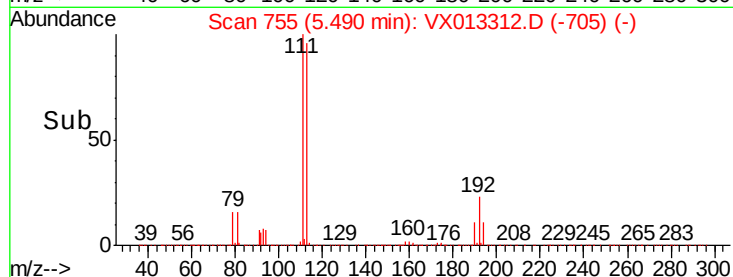
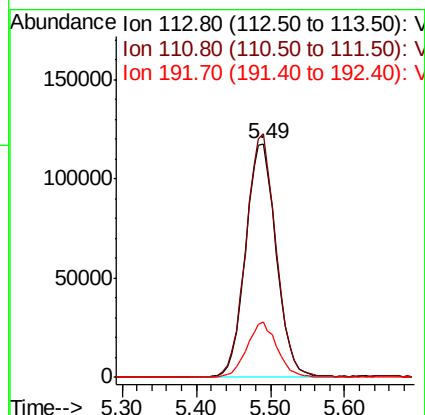
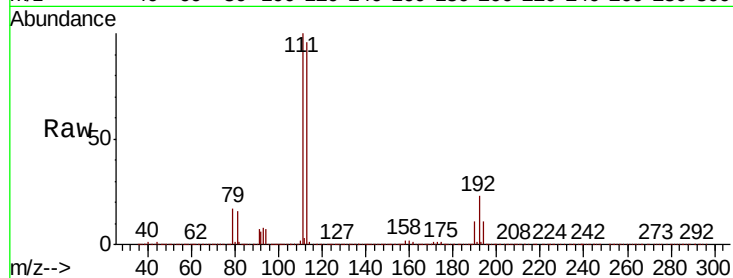




#35
 Dibromofluoromethane
 Concen: 48.145 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013312.D
 Acq: 01 Nov 2019 15:30

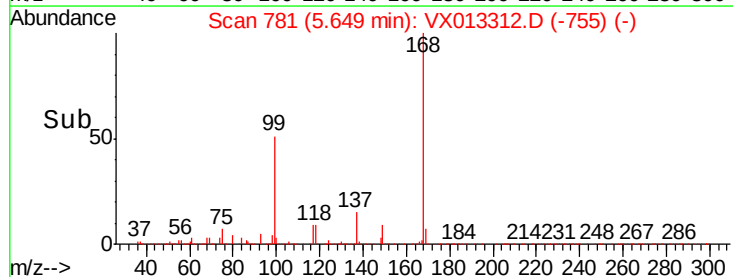
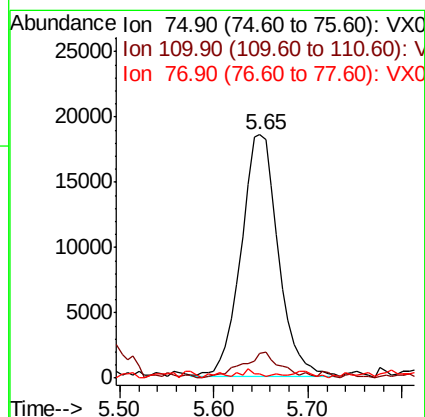
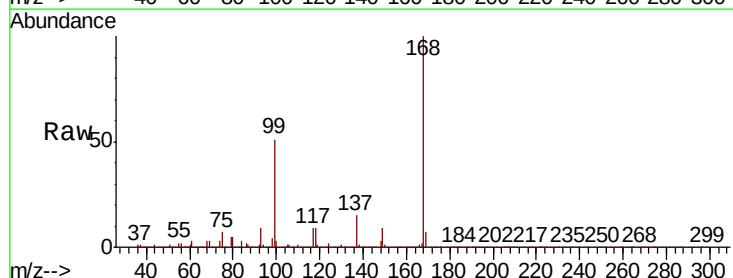
Instrument :
 MSVOA_X
 ClientSampleId :

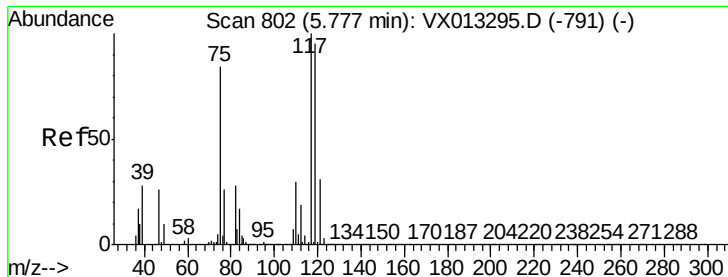
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.9	122.9
192	23.1	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 5.236 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013312.D
 Acq: 01 Nov 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.1	54.1#
77	1.4	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.926 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013312.D

Acq: 01 Nov 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

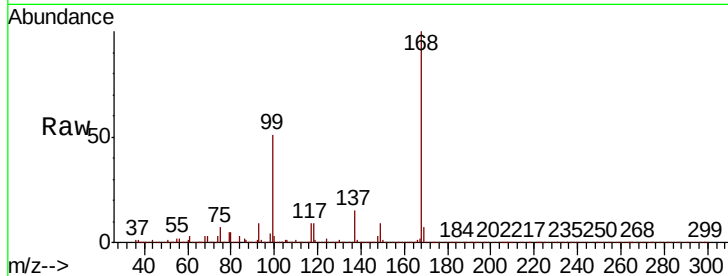
Tot Ion: 117 Resp: 65622

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

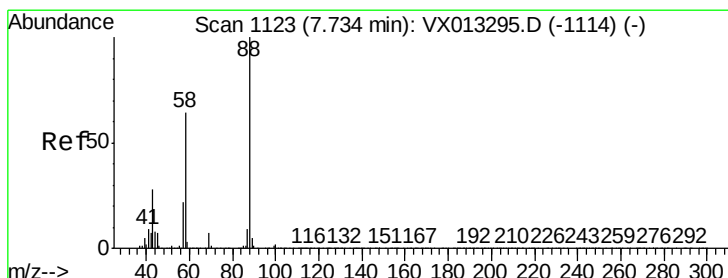
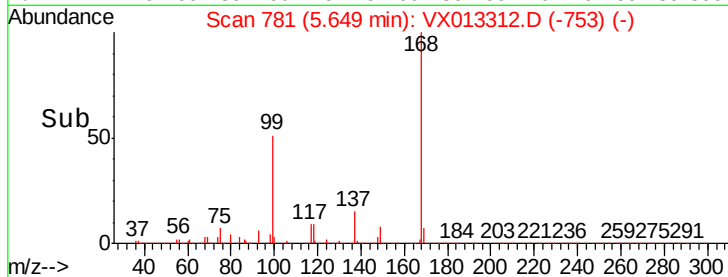
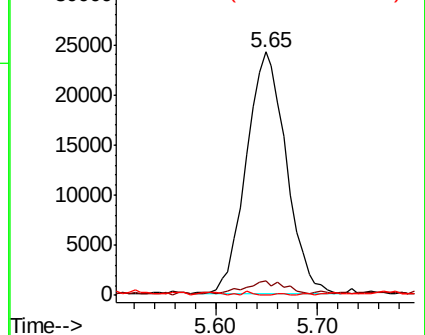
121 0.0 24.6 37.0#



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: 1.093 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013312.D

Acq: 01 Nov 2019 15:30

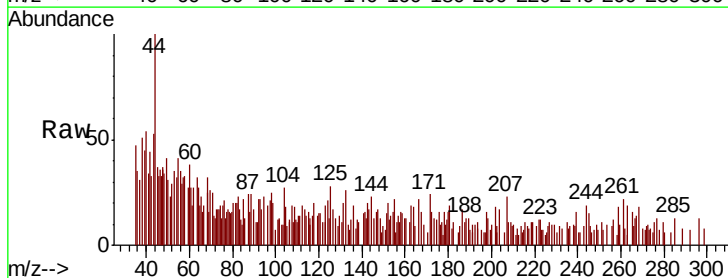
Tgt Ion: 88 Resp: 233

Ion Ratio Lower Upper

88 100

43 207.7 26.6 39.8#

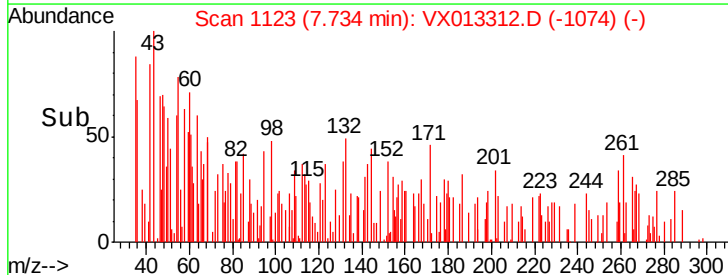
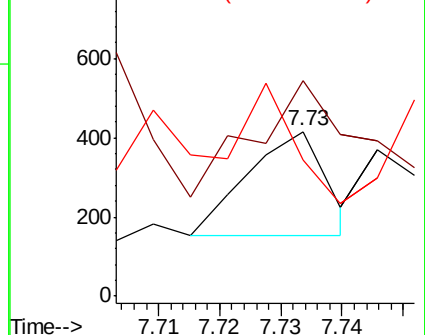
58 185.4 55.0 82.6#

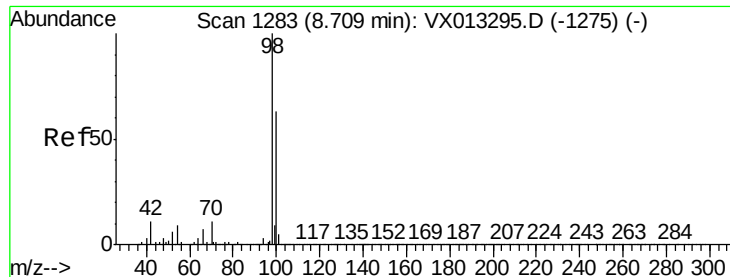


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.091 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013312.D

Acq: 01 Nov 2019 15:30

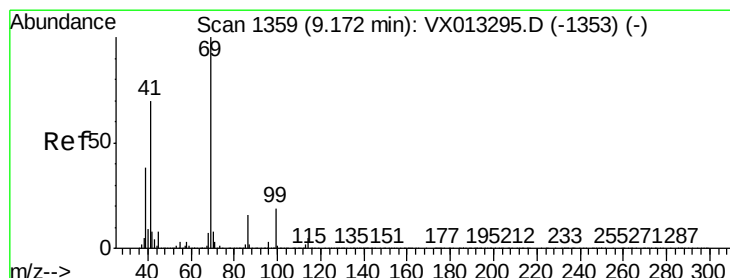
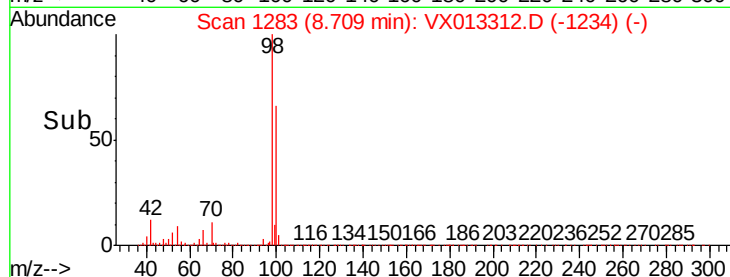
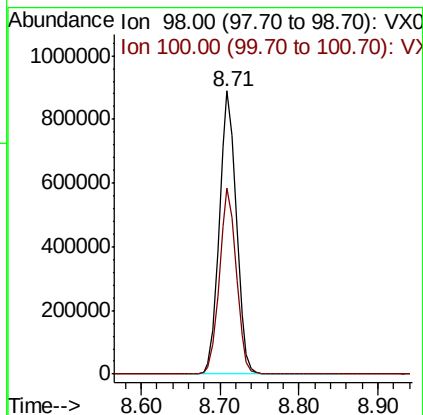
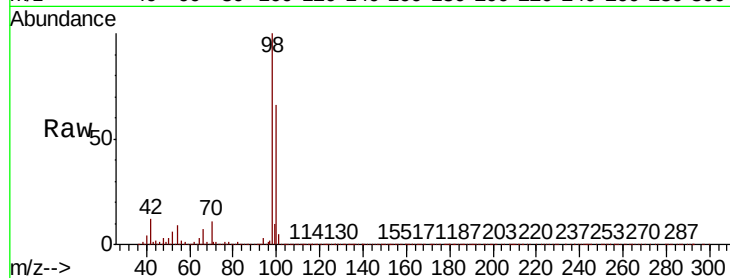
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 1337654

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.587 ug/l

RT: 9.14 min Scan# 1354

Delta R.T. -0.03 min

Lab File: VX013312.D

Acq: 01 Nov 2019 15:30

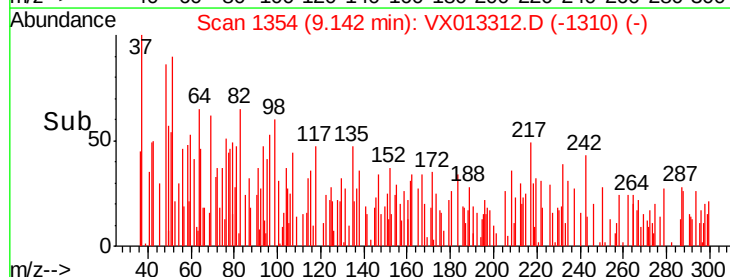
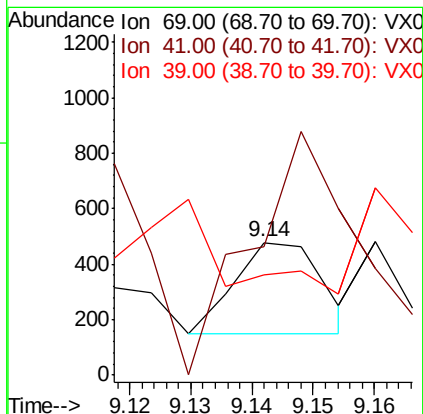
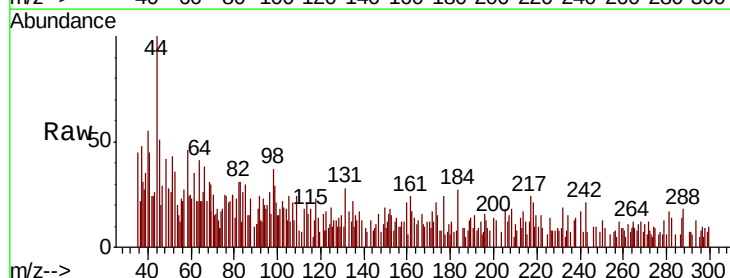
Tgt Ion: 69 Resp: 323

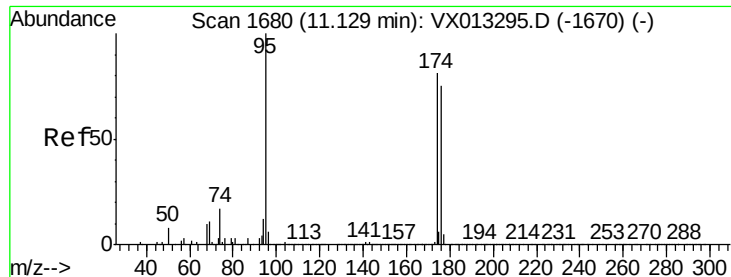
Ion Ratio Lower Upper

69 100

41 337.8 56.2 84.2#

39 185.1 31.1 46.7#

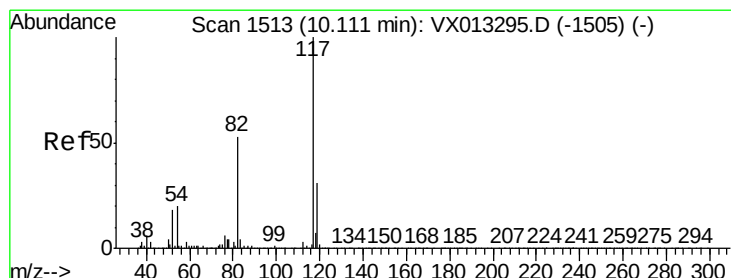
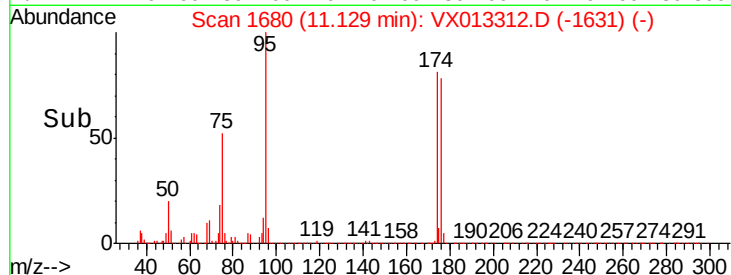
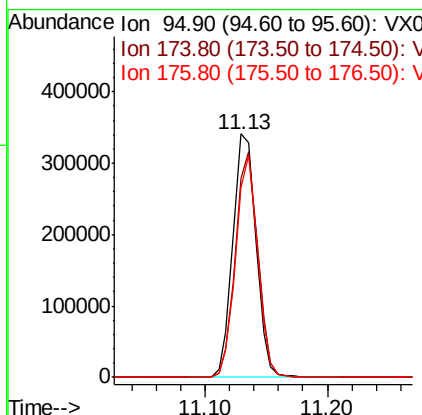
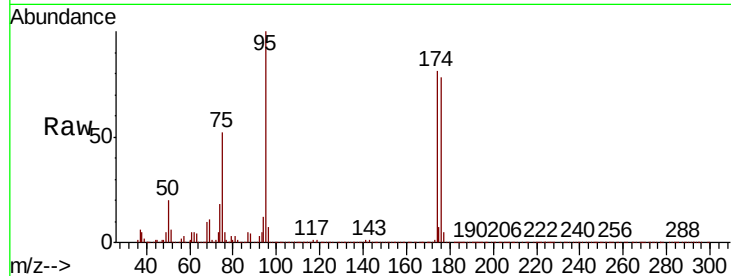




#62
4-Bromofluorobenzene
Concen: 46.141 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013312.D
Acq: 01 Nov 2019 15:30

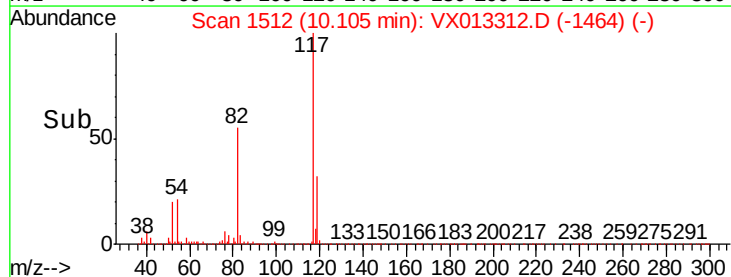
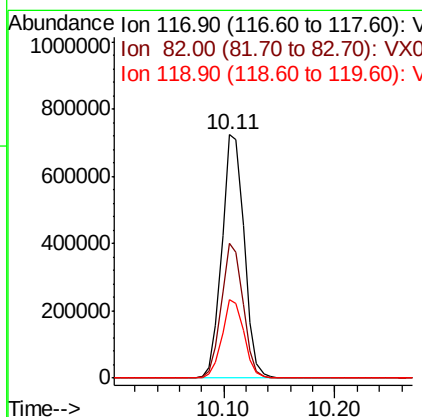
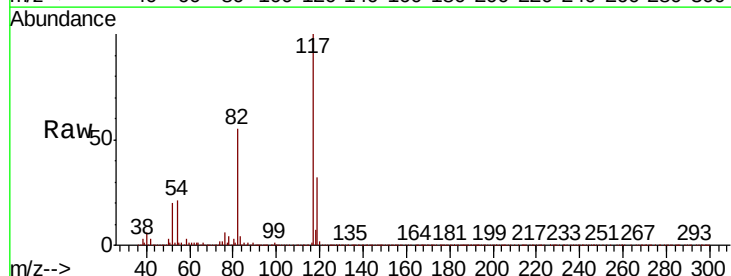
Instrument :
MSVOA_X
ClientSampled :

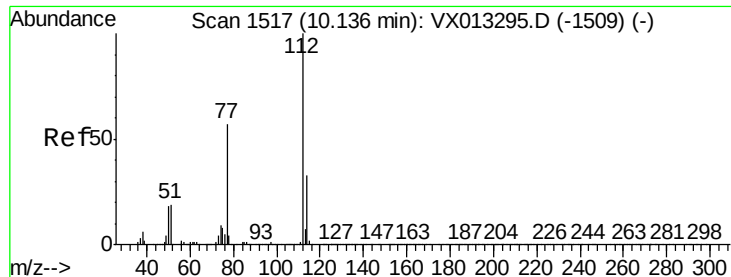
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	179.8
176	86.7	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013312.D
Acq: 01 Nov 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.6	64.0
119	32.0	24.8	37.2

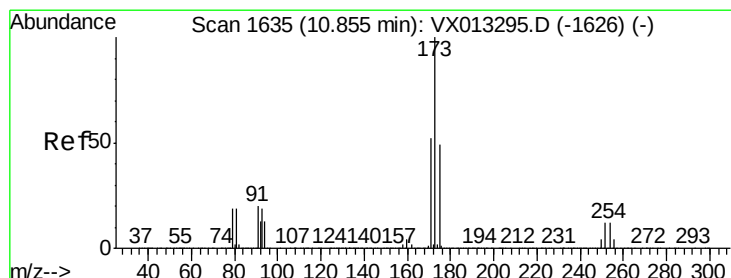
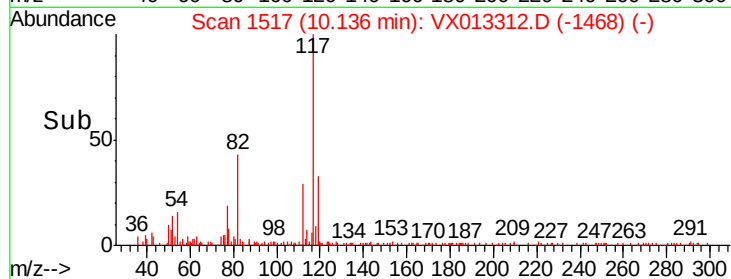
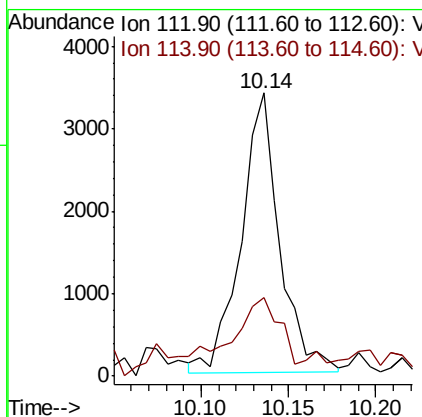
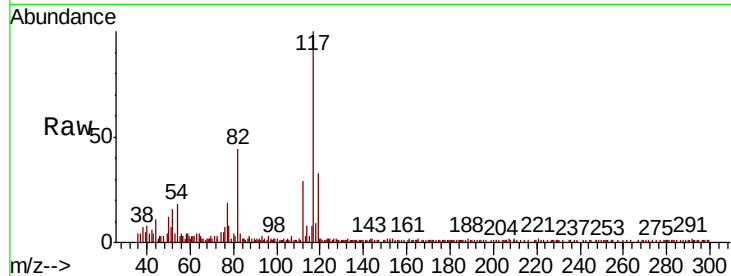




#65
Chlorobenzene
Concen: 0.256 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013312.D
Acq: 01 Nov 2019 15:30

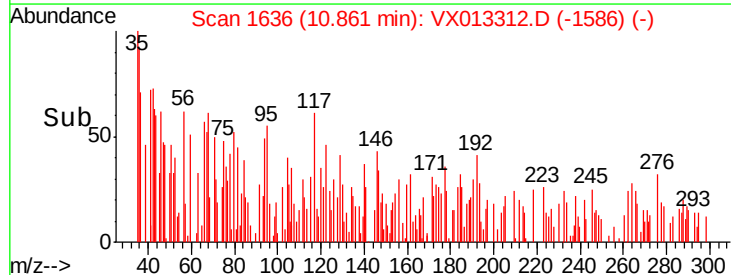
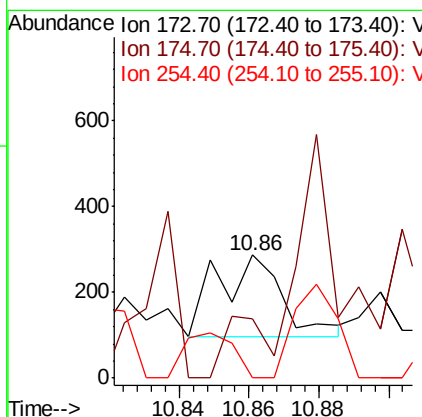
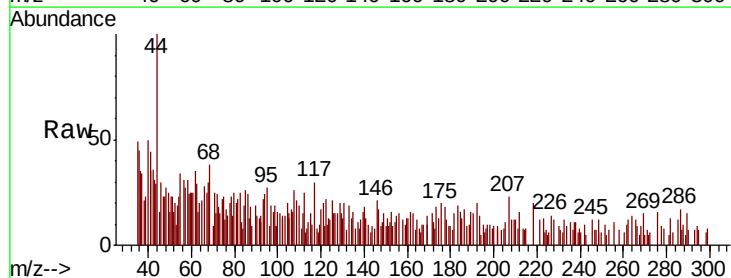
Instrument :
MSVOA_X
ClientSampleId :

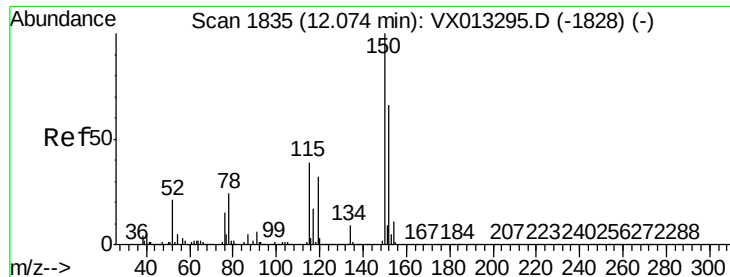
Tot Ion:112 Resp: 5186
Ion Ratio Lower Upper
112 100
114 23.0 26.4 39.6#



#71
Bromoform
Concen: 3.236 ug/l
RT: 10.86 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX013312.D
Acq: 01 Nov 2019 15:30

Tgt Ion:173 Resp: 243
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 42.0 0.2 0.2#



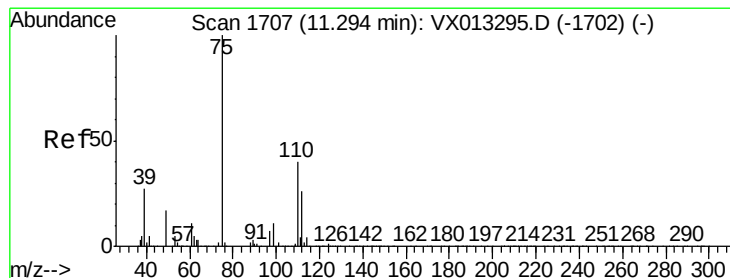
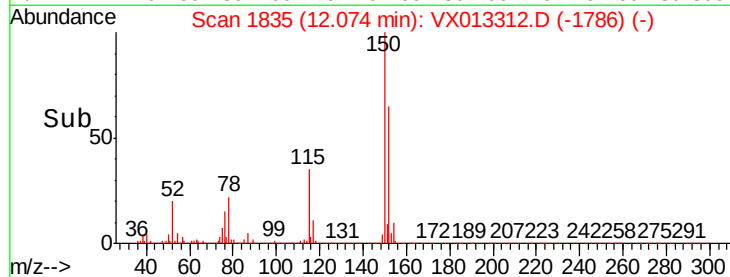
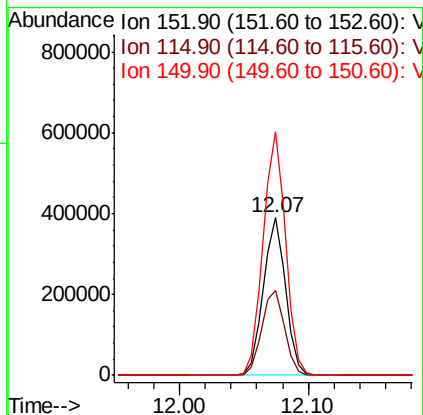
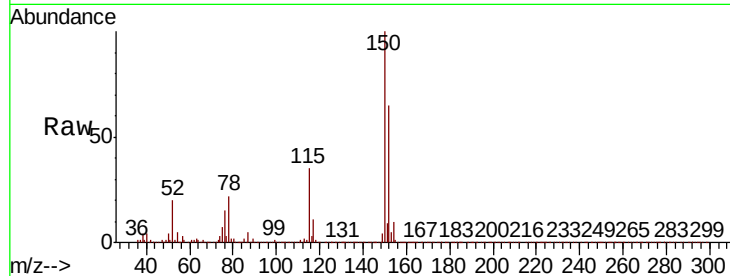


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013312.D
Acq: 01 Nov 2019 15:30

Instrument :
MSVOA_X
ClientSampleId :

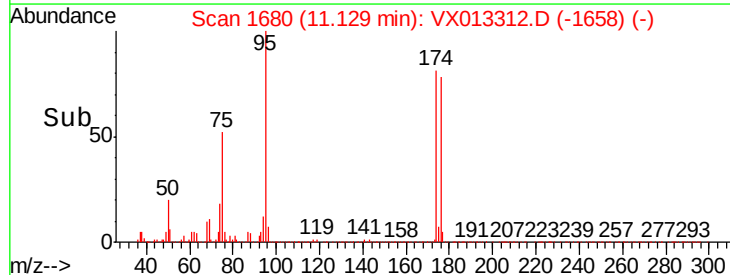
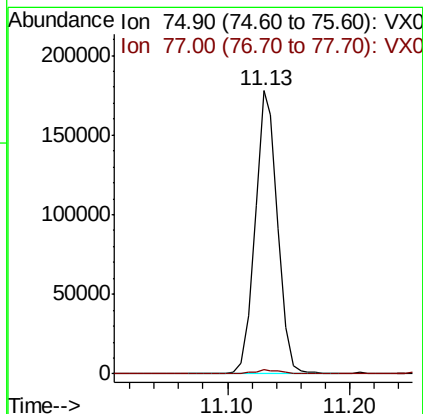
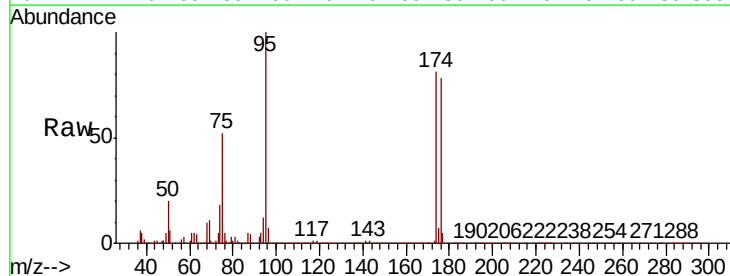
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	39.5	118.3
150	155.7	0.0	344.4

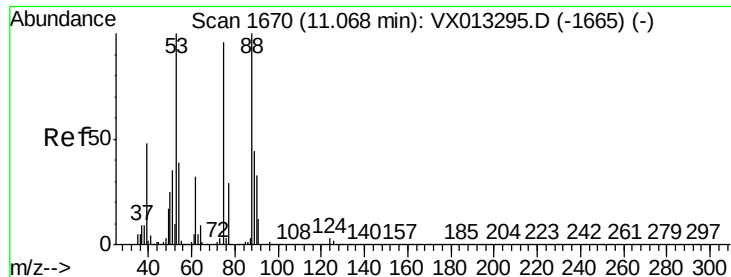


#76

1,2,3-Trichloropropane
Concen: 23.941 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013312.D
Acq: 01 Nov 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	22.3	66.8





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.623 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013312.D
 Acq: 01 Nov 2019 15:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 226300
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.0 121.6#
 89 0.0 36.0 54.0#

