

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111219\
 Data File : VX013393.D
 Acq On : 12 Nov 2019 18:24
 Operator : JC/SP
 Sample : K5799-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 13 02:43:29 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	776938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1242794	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1107297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	502355	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	449398	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
35) Dibromofluoromethane	5.49	113	370424	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	8.71	98	1476143	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.13	95	491259	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	

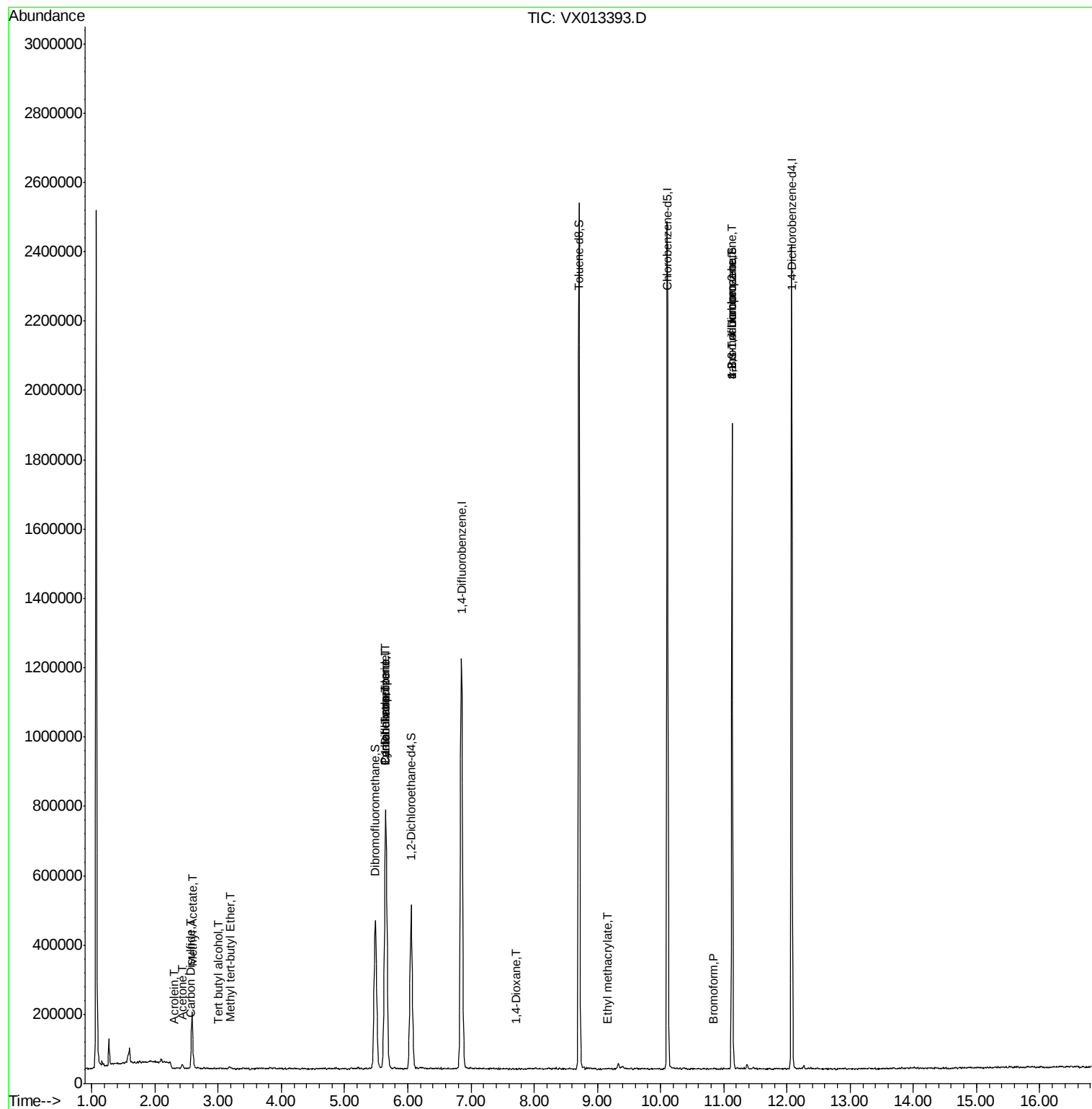
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	567	Below Cal	#	64
11) Tert butyl alcohol	3.01	59	1337	0.551	ug/l #	52
13) Acrolein	2.30	56	313	0.238	ug/l #	1
16) Acetone	2.43	43	13317	2.901	ug/l #	83
17) Carbon Disulfide	2.56	76	5272	0.276	ug/l	98
18) Methyl Acetate	2.59	43	43850	3.460	ug/l #	55
19) Methyl tert-butyl Ether	3.19	73	7884	0.332	ug/l #	75
31) Cyclohexane	5.65	56	15501	1.232	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	50218	4.710	ug/l #	50
38) Carbon Tetrachloride	5.65	117	69186	6.636	ug/l #	16
49) 1,4-Dioxane	7.72	88	436	1.859	ug/l #	46
56) Ethyl methacrylate	9.16	69	328	1.585	ug/l #	1
71) Bromoform	10.84	173	264	3.235	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	241832	23.701	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	241832	61.006	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
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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: VX013393.D

Acq: 12 Nov 2019 18:24

Instrument :

MSVOA_X

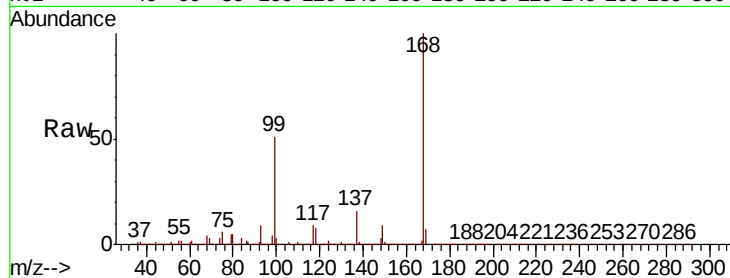
ClientSampleId :

Tot Ion:168 Resp: 776938

Ion Ratio Lower Upper

168 100

99 50.9 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

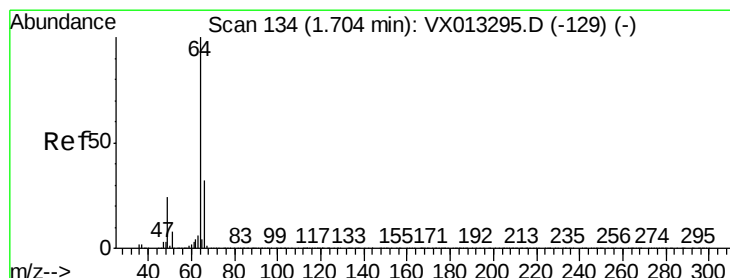
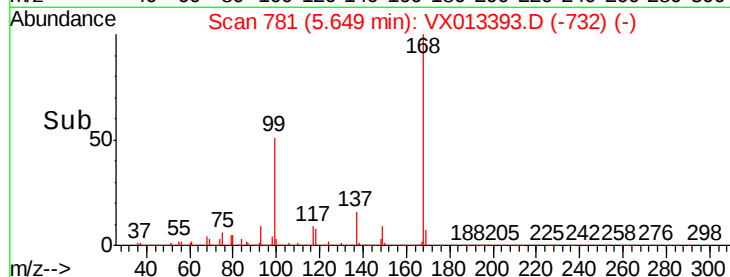
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013393.D

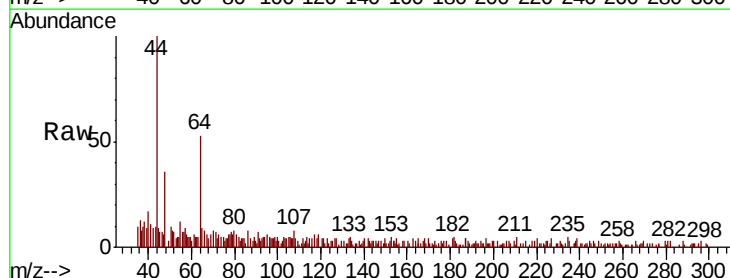
Acq: 12 Nov 2019 18:24

Tgt Ion: 64 Resp: 567

Ion Ratio Lower Upper

64 100

66 11.7 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

3000

2500

2000

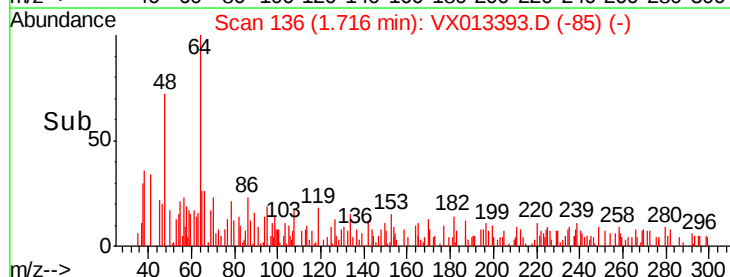
1500

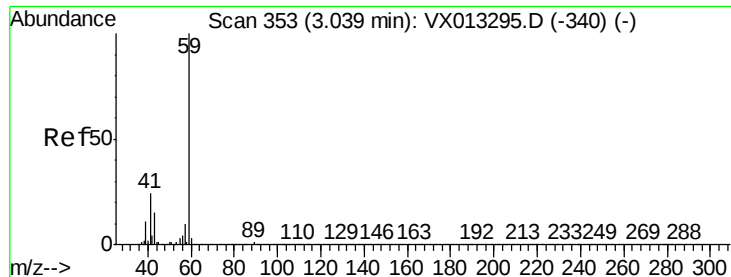
1000

500

0

Time-->

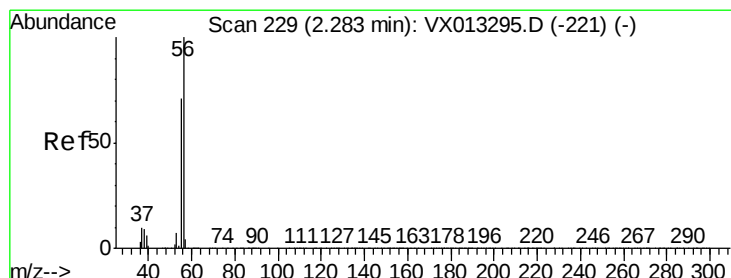
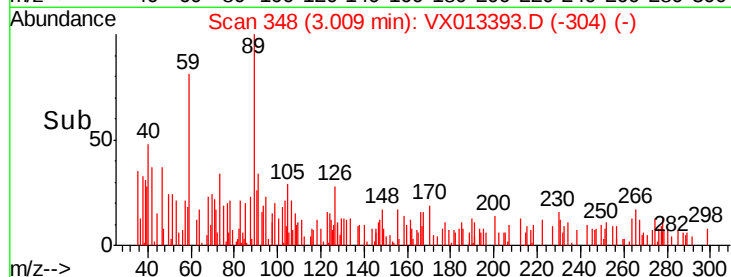
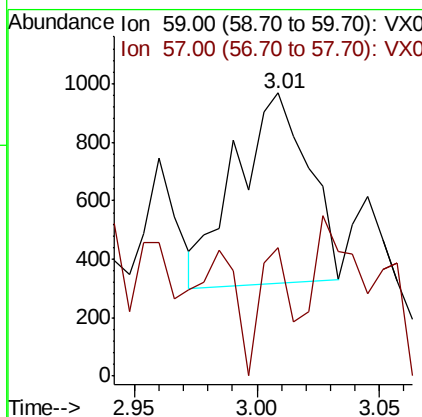
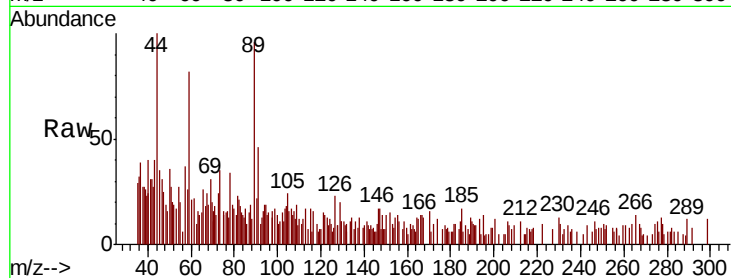




#11
Tert butyl alcohol
Concen: 0.551 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

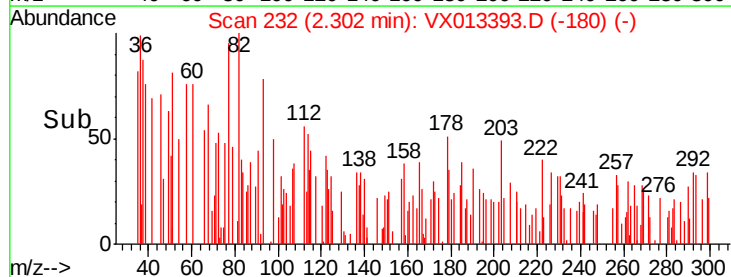
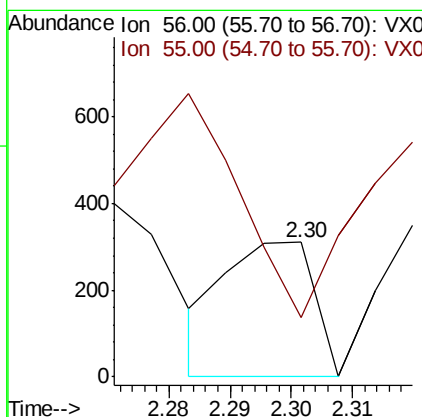
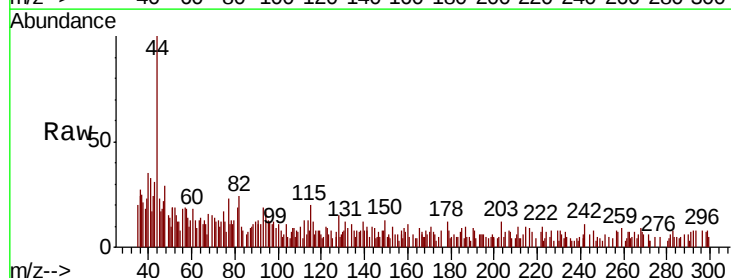
Instrument :
MSVOA_X
ClientSampled :

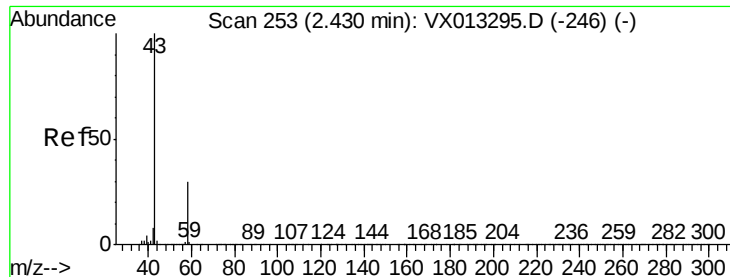
Tot Ion: 59 Resp: 1337
Ion Ratio Lower Upper
59 100
57 27.7 8.0 12.0#



#13
Acrolein
Concen: 0.238 ug/l
RT: 2.30 min Scan# 232
Delta R.T. 0.02 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 265.5 57.4 86.0#

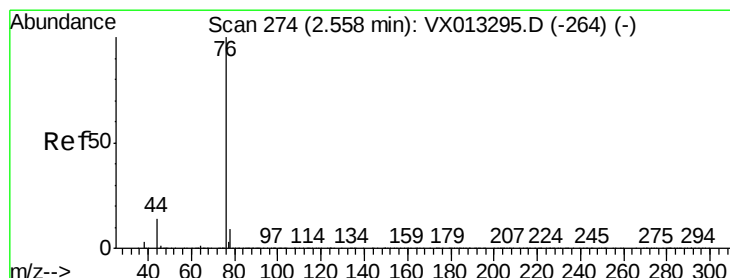
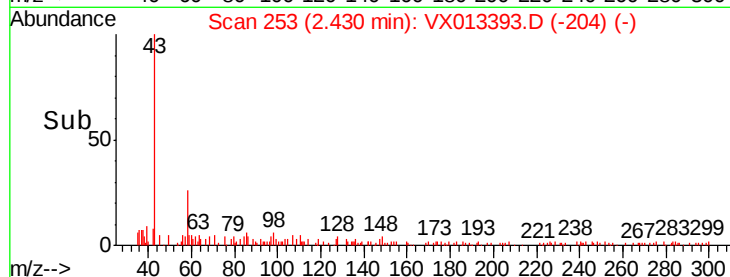
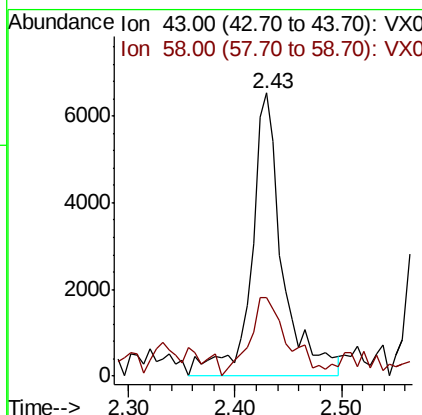
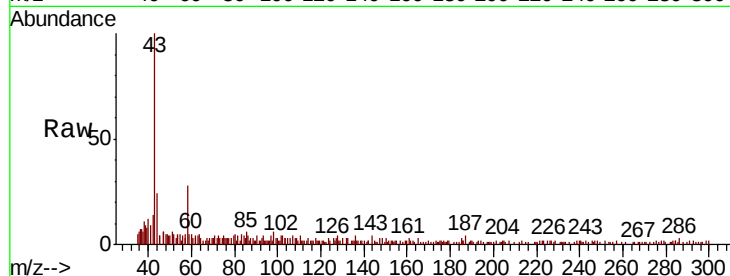




#16
Acetone
Concen: 2.901 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

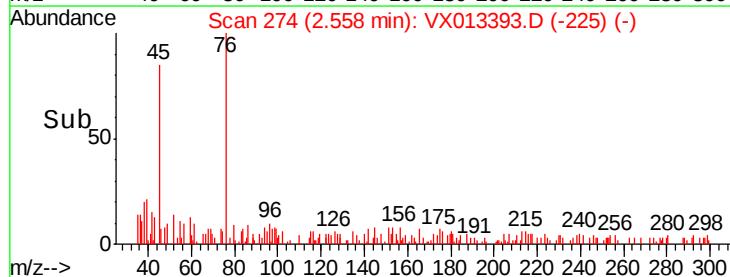
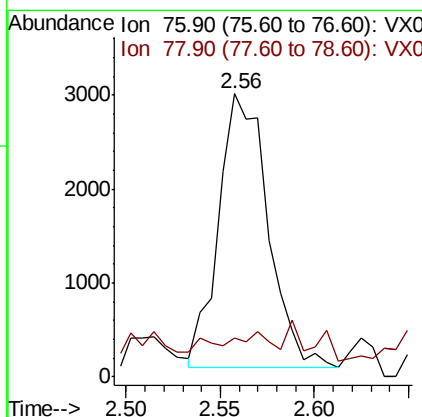
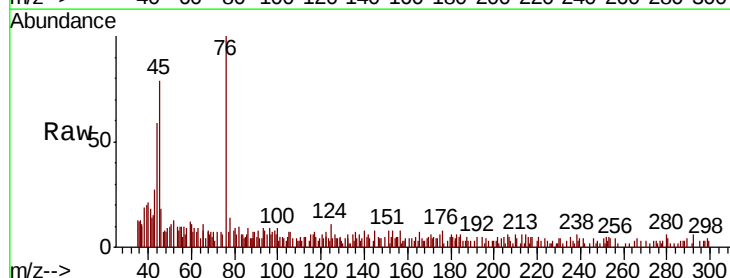
Instrument :
MSVOA_X
ClientSampleId :

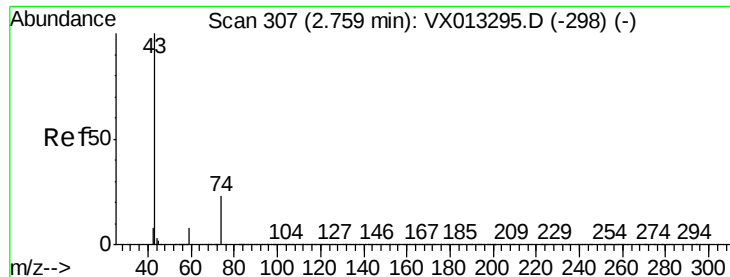
Tot Ion: 43 Resp: 13317
Ion Ratio Lower Upper
43 100
58 21.2 24.3 36.5#



#17
Carbon Disulfide
Concen: 0.276 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

Tgt Ion: 76 Resp: 5272
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.6

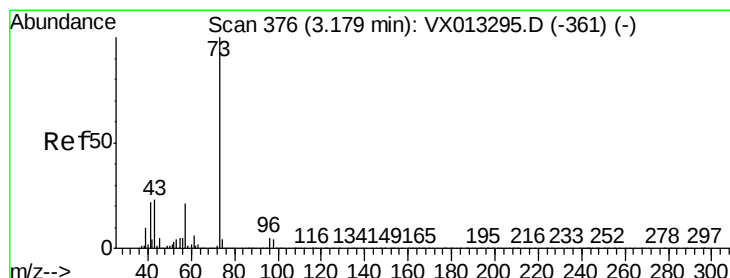
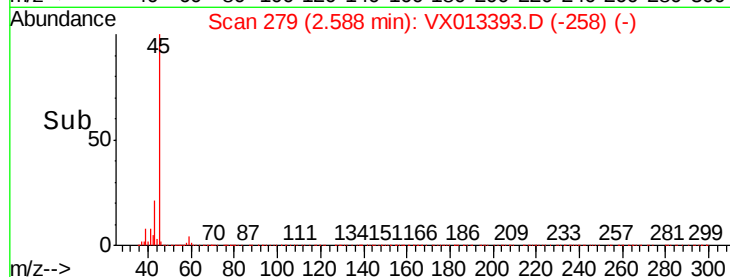
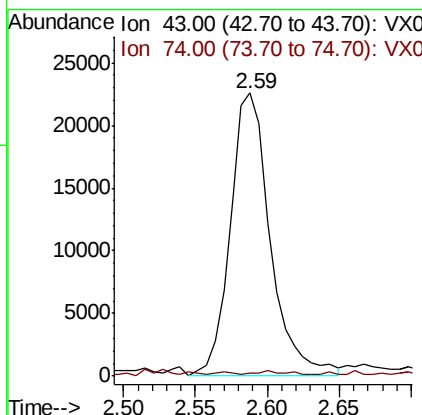
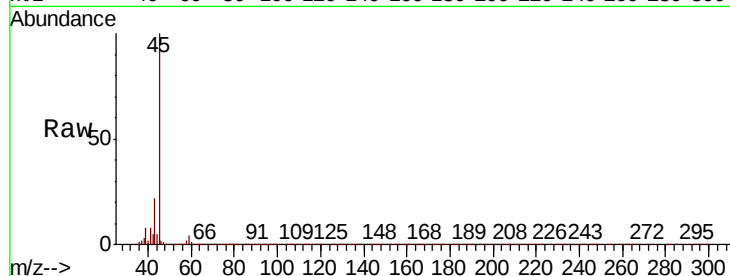




#18
Methyl Acetate
Concen: 3.460 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.17 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

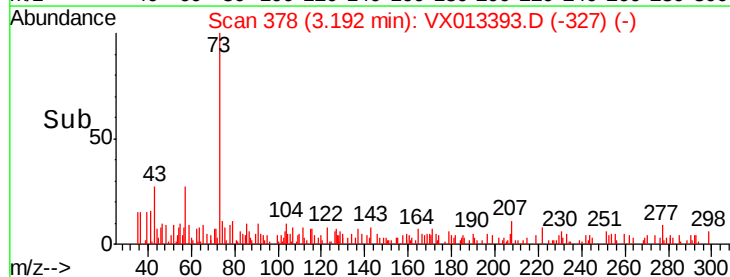
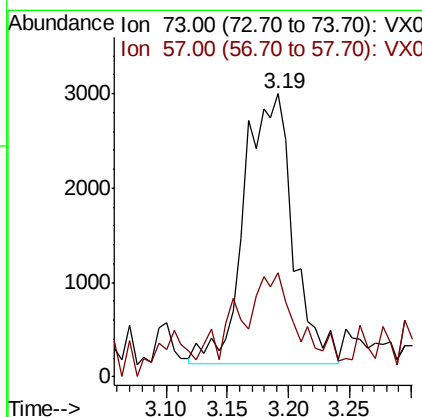
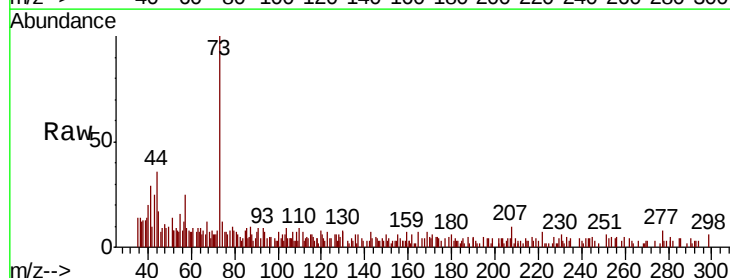
Instrument :
MSVOA_X
ClientSampled :

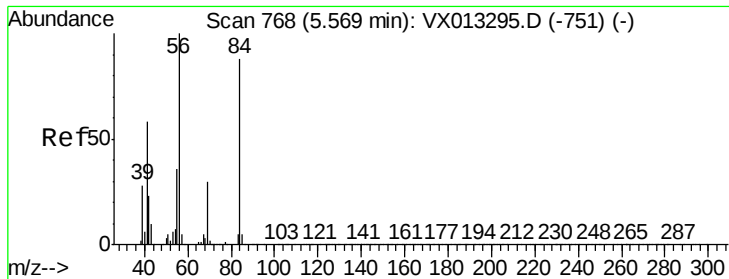
Tot Ion: 43 Resp: 43850
Ion Ratio Lower Upper
43 100
74 1.7 19.0 28.6#



#19
Methyl tert-butyl Ether
Concen: 0.332 ug/l
RT: 3.19 min Scan# 378
Delta R.T. 0.01 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

Tgt Ion: 73 Resp: 7884
Ion Ratio Lower Upper
73 100
57 33.1 17.1 25.7#





#31

Cyclohexane

Concen: 1.232 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX013393.D

Acq: 12 Nov 2019 18:24

Instrument :

MSVOA_X

ClientSampled :

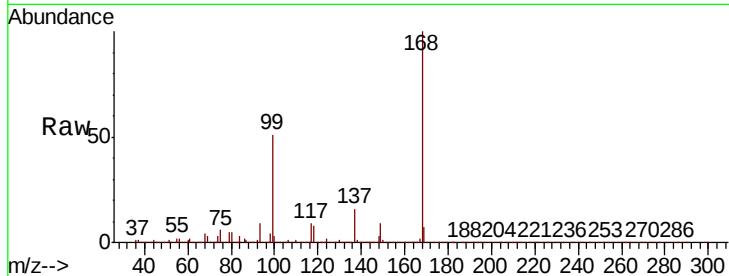
Tot Ion: 56 Resp: 15501

Ion Ratio Lower Upper

56 100

69 154.1 23.7 35.5#

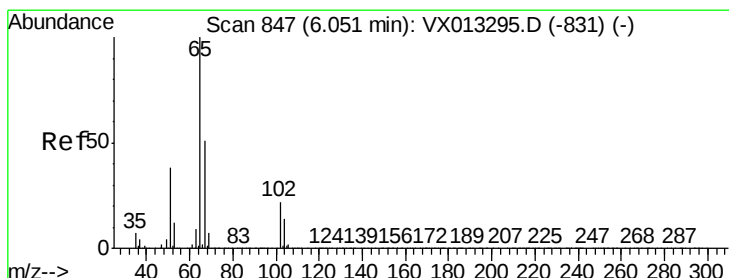
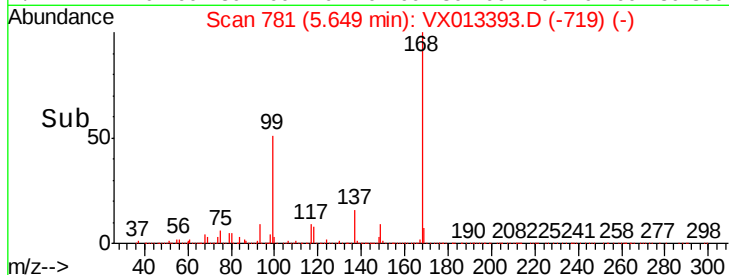
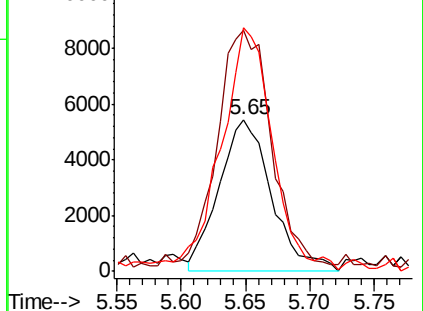
84 155.7 70.6 105.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.824 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013393.D

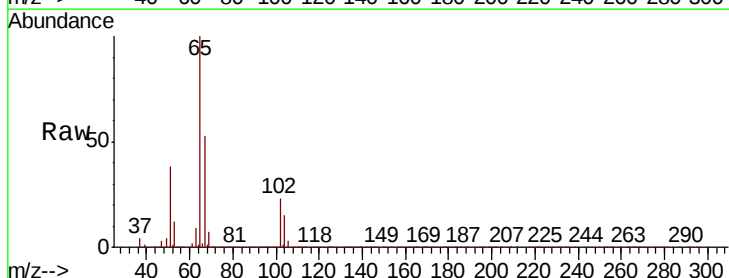
Acq: 12 Nov 2019 18:24

Tgt Ion: 65 Resp: 449398

Ion Ratio Lower Upper

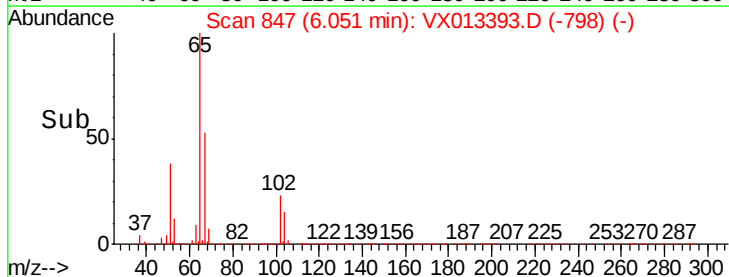
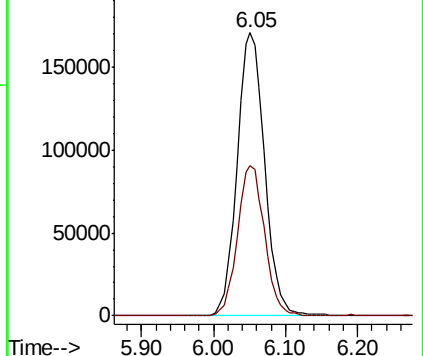
65 100

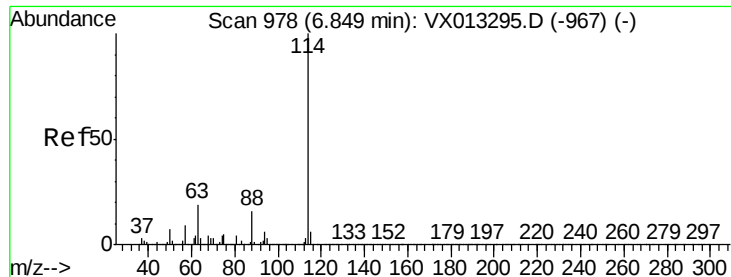
67 52.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

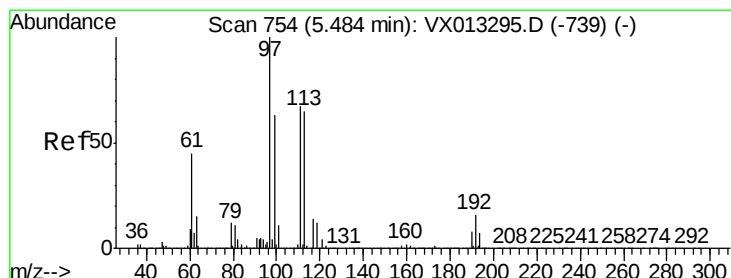
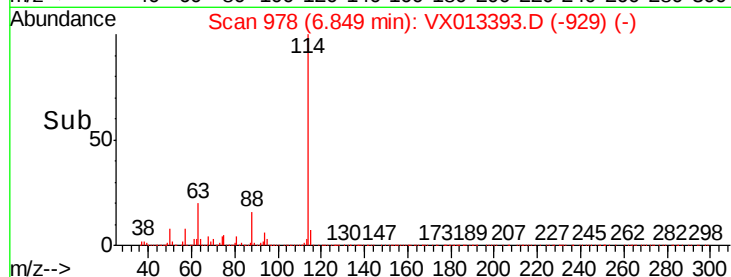
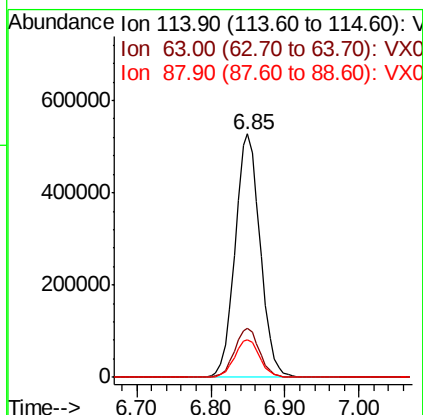
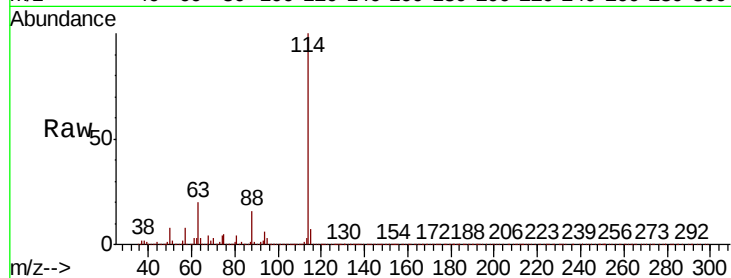




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

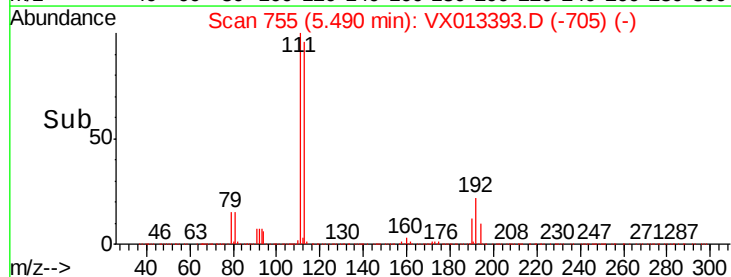
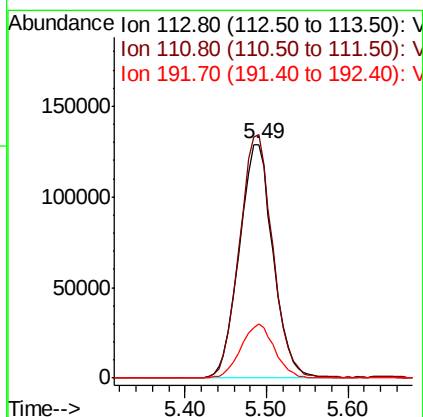
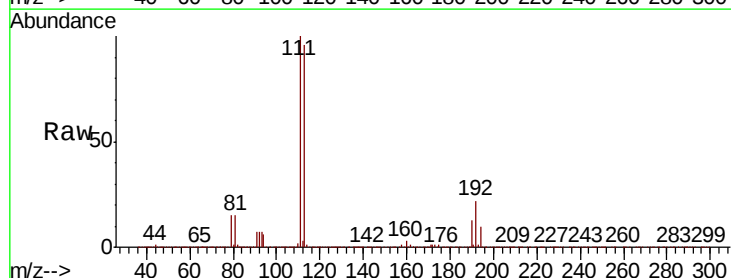
Instrument :
MSVOA_X
ClientSampleId :

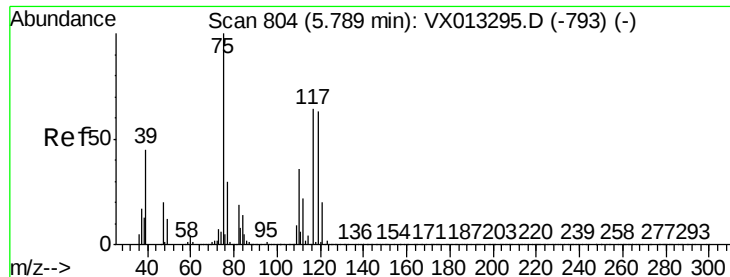
Tot Ion:114 Resp: 1242794
Ion Ratio Lower Upper
114 100
63 20.4 0.0 38.4
88 15.6 0.0 32.2



#35
Dibromofluoromethane
Concen: 47.521 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

Tgt Ion:113 Resp: 370424
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 23.0 19.1 28.7





#36

1,1-Dichloropropene

Concen: 4.710 ug/l

RT: 5.65 min Scan# 782

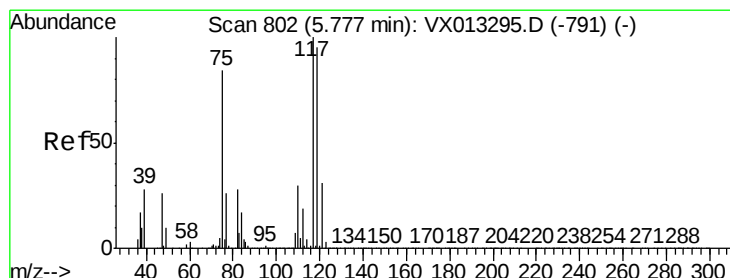
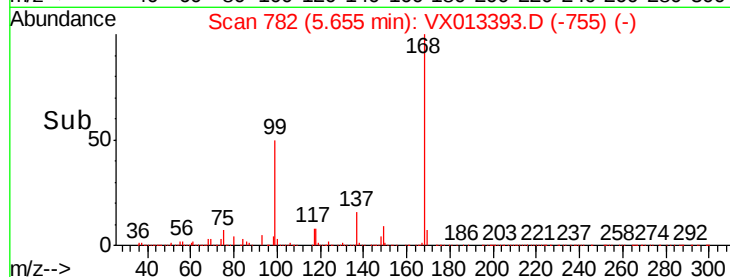
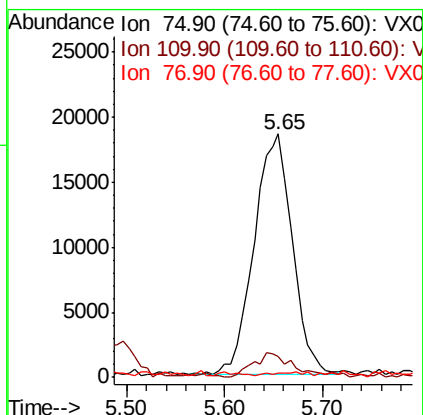
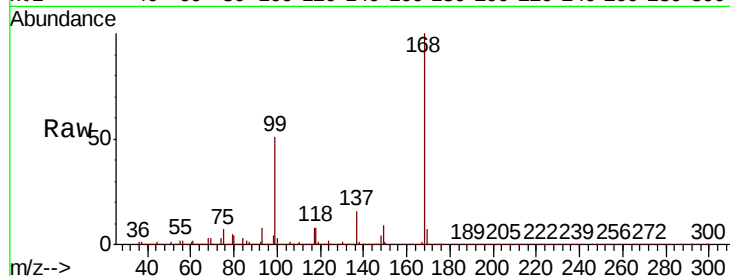
Delta R.T. -0.13 min

Lab File: VX013393.D

Acq: 12 Nov 2019 18:24

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	50218
Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.1	54.1#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.636 ug/l

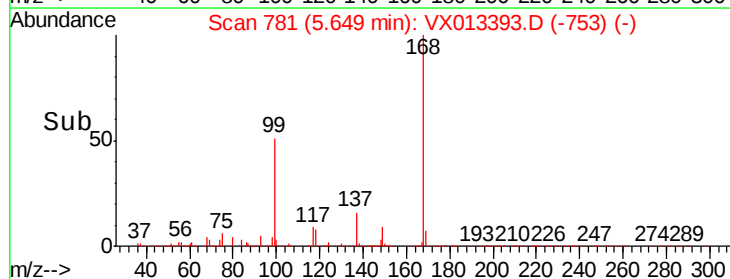
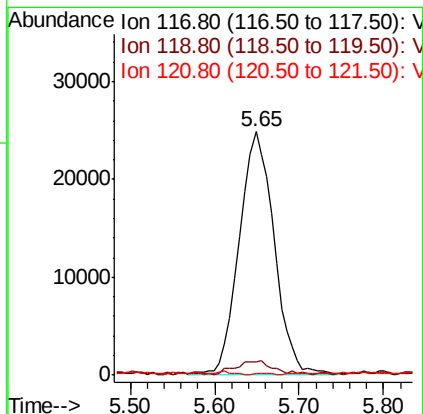
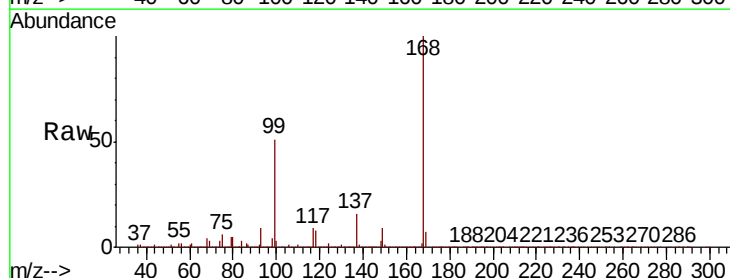
RT: 5.65 min Scan# 781

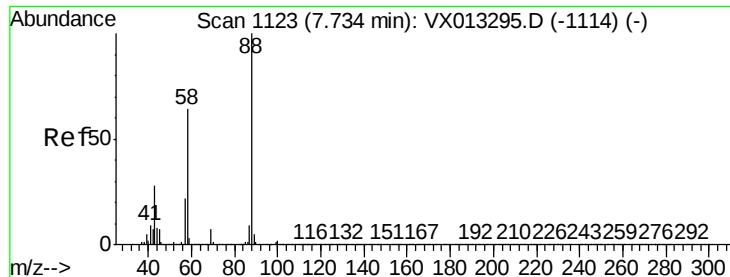
Delta R.T. -0.13 min

Lab File: VX013393.D

Acq: 12 Nov 2019 18:24

Tgt Ion:	117	Resp:	69186
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.1	114.1#
121	0.8	24.6	37.0#





#49

1,4-Dioxane

Concen: 1.859 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

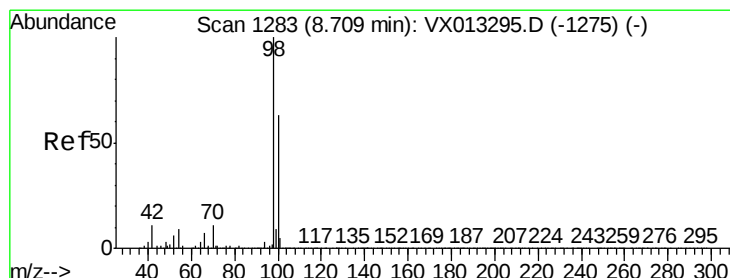
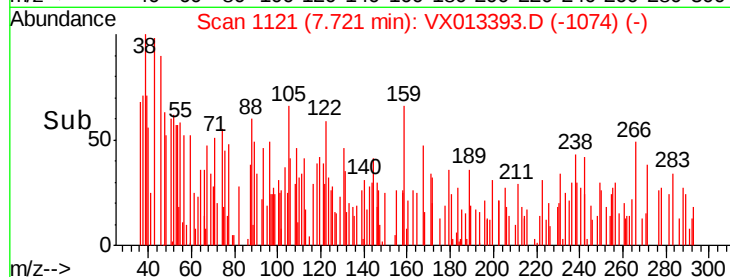
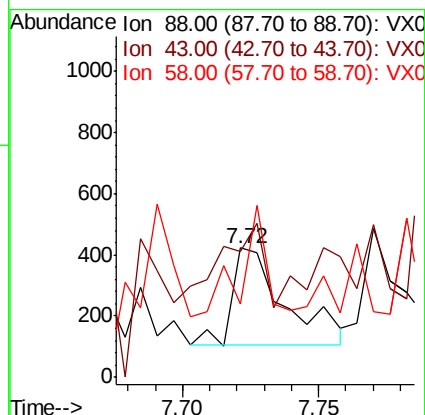
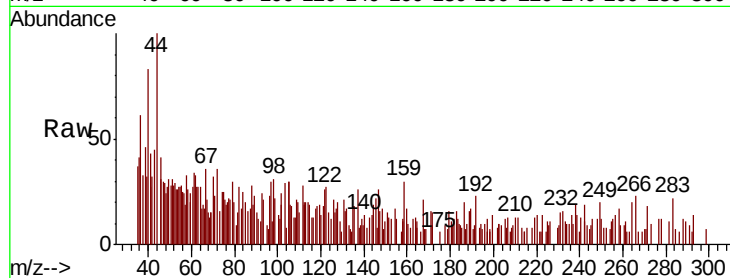
Lab File: VX013393.D

Acq: 12 Nov 2019 18:24

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 436

Ion	Ratio	Lower	Upper
88	100		
43	109.2	26.6	39.8#
58	55.7	55.0	82.6



#50

Toluene-d8

Concen: 50.233 ug/l

RT: 8.71 min Scan# 1283

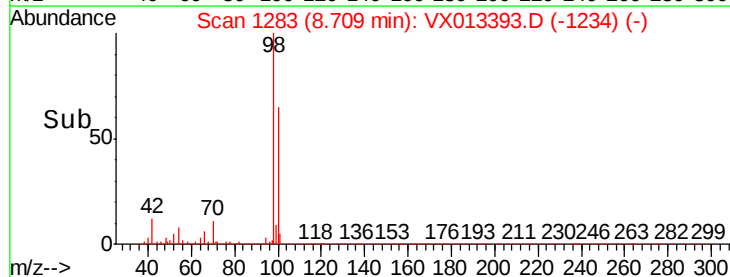
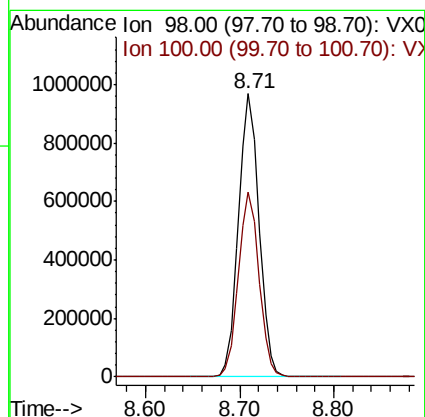
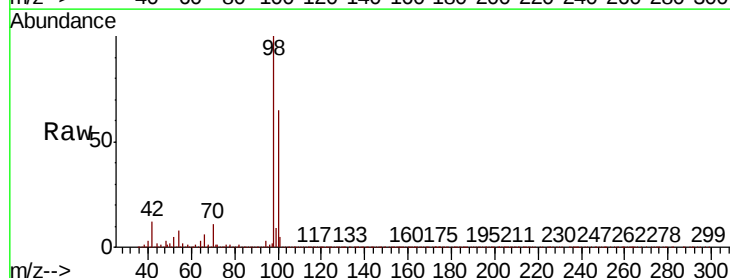
Delta R.T. 0.00 min

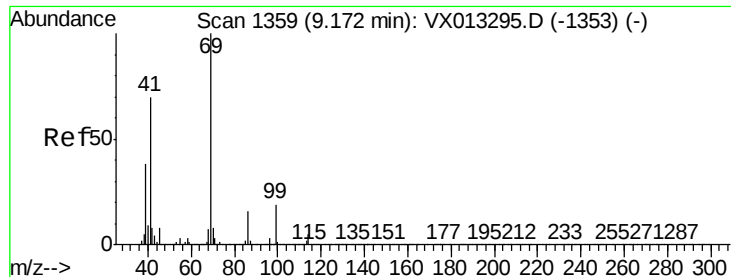
Lab File: VX013393.D

Acq: 12 Nov 2019 18:24

Tgt Ion: 98 Resp: 1476143

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





#56

Ethyl methacrylate

Concen: 1.585 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX013393.D

Acq: 12 Nov 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

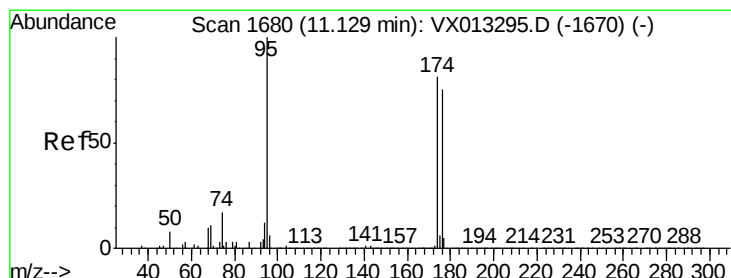
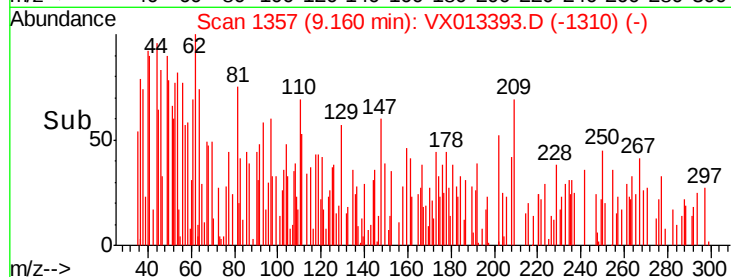
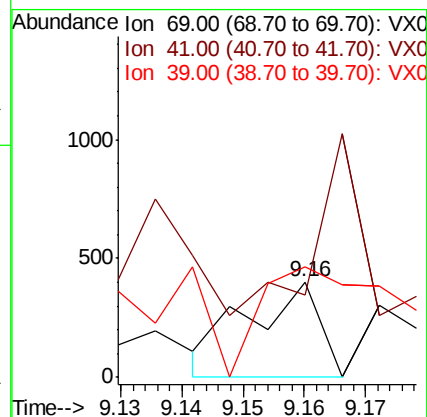
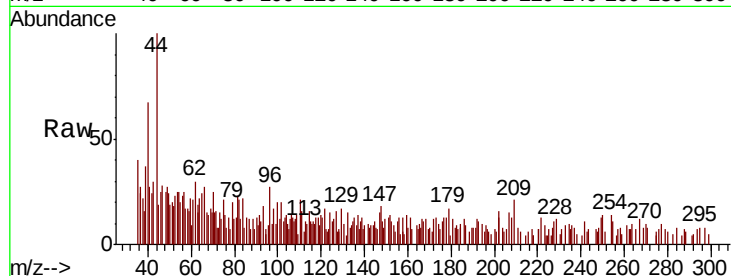
Tot Ion: 69 Resp: 328

Ion Ratio Lower Upper

69 100

41 118.9 56.2 84.2#

39 213.7 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 46.321 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013393.D

Acq: 12 Nov 2019 18:24

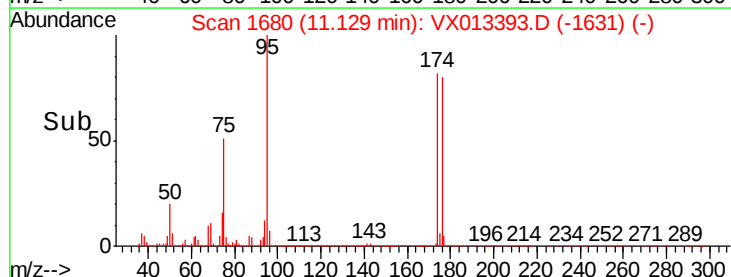
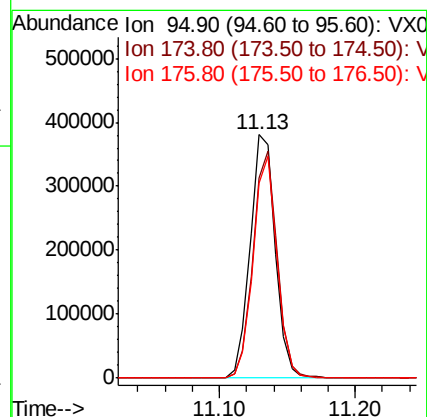
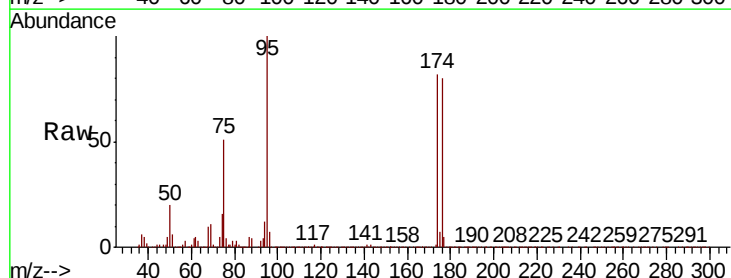
Tgt Ion: 95 Resp: 491259

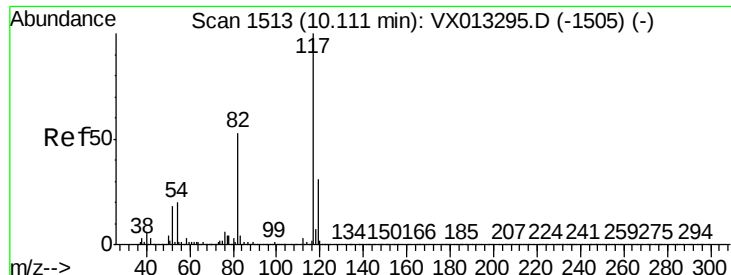
Ion Ratio Lower Upper

95 100

174 90.6 0.0 179.8

176 87.2 0.0 173.0

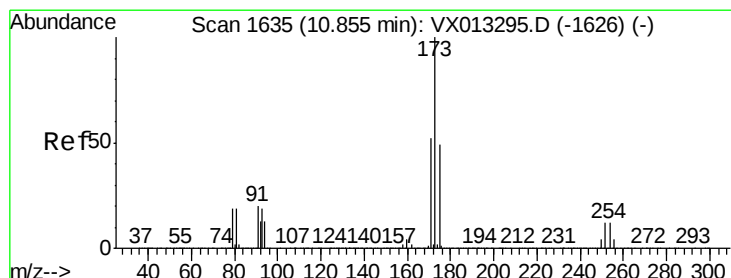
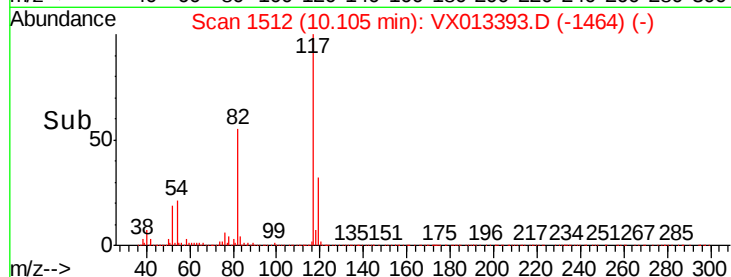
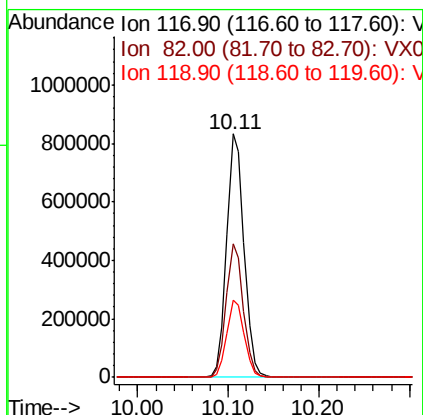
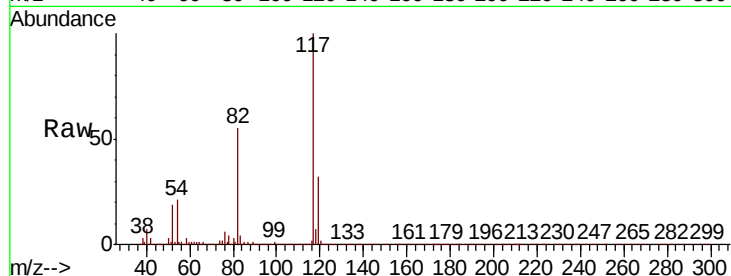




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

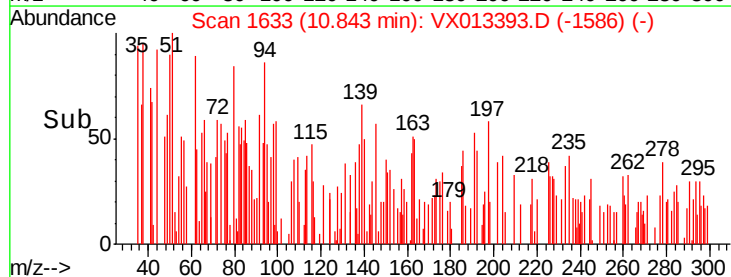
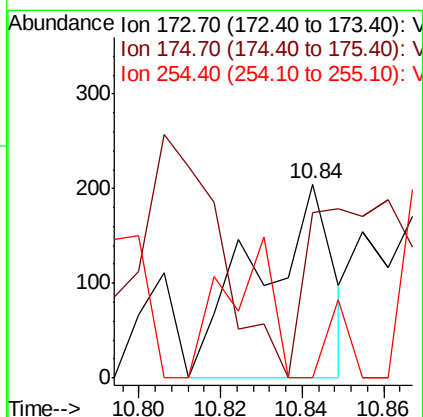
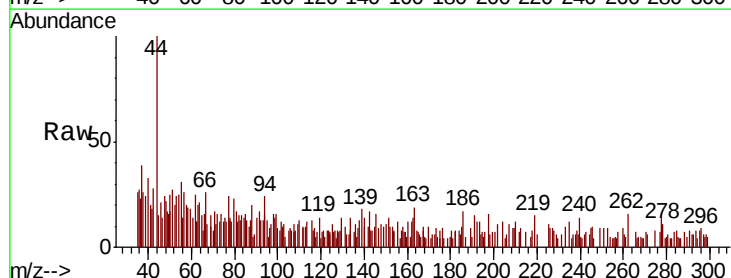
Instrument :
MSVOA_X
ClientSampleId :

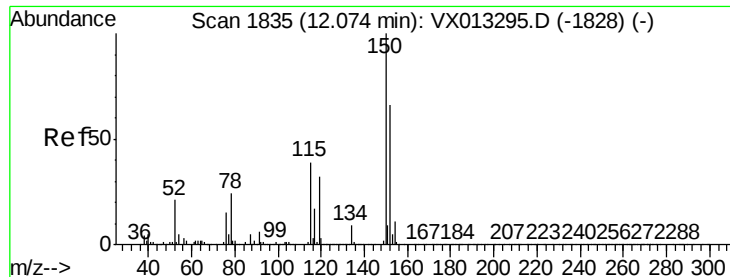
Tot Ion:117 Resp: 1107297
Ion Ratio Lower Upper
117 100
82 54.8 42.6 64.0
119 31.7 24.8 37.2



#71
Bromoform
Concen: 3.235 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

Tgt Ion:173 Resp: 264
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 45.1 0.2 0.2#



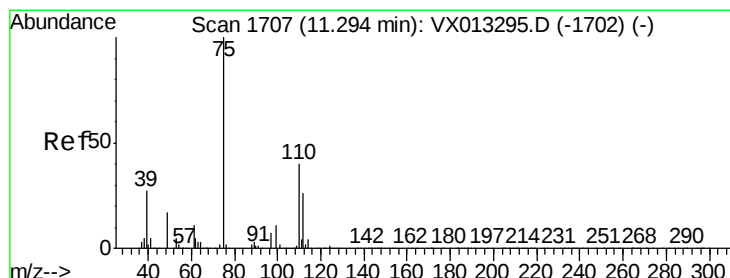
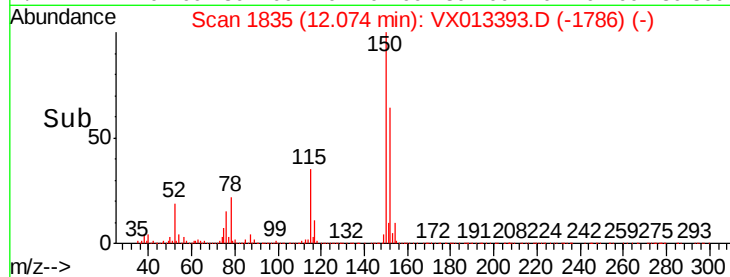
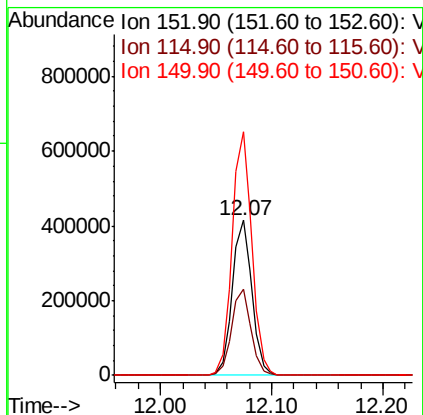
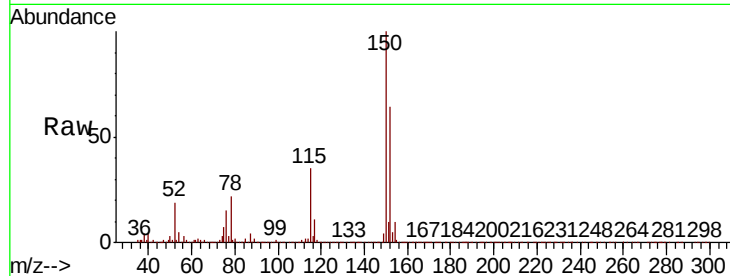


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

Instrument :
MSVOA_X
ClientSampled :

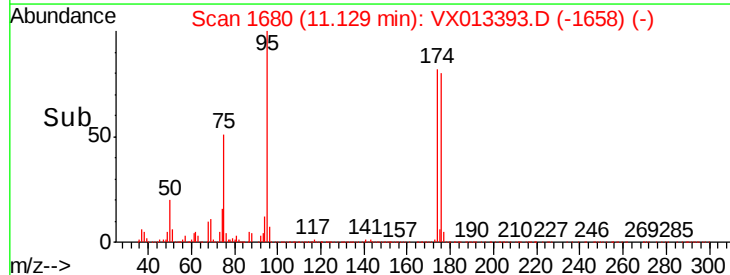
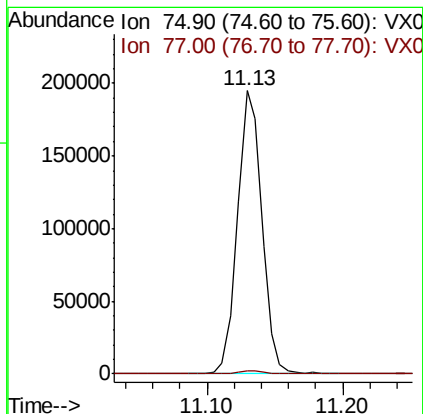
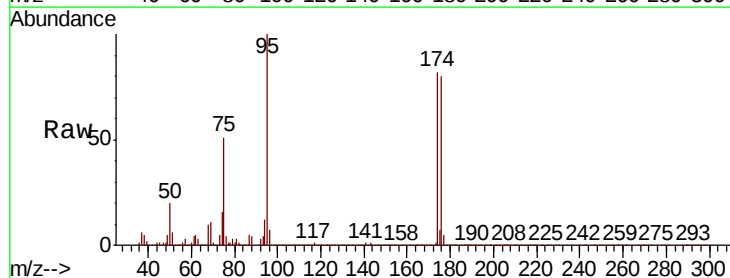
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	39.5	118.3
150	157.4	0.0	344.4

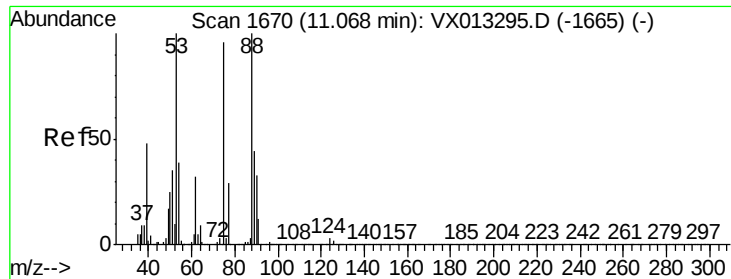


#76

1,2,3-Trichloropropane
Concen: 23.701 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013393.D
Acq: 12 Nov 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	22.3	66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 61.006 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013393.D

Acq: 12 Nov 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 241832

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 36.0 54.0#

