

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110119\
 Data File : VX013307.D
 Acq On : 01 Nov 2019 13:34
 Operator : JC/SP
 Sample : K5655-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:28:29 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	723086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1116328	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	980395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	446573	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	418500	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
35) Dibromofluoromethane	5.49	113	329371	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	8.71	98	1311750	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	436944	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	

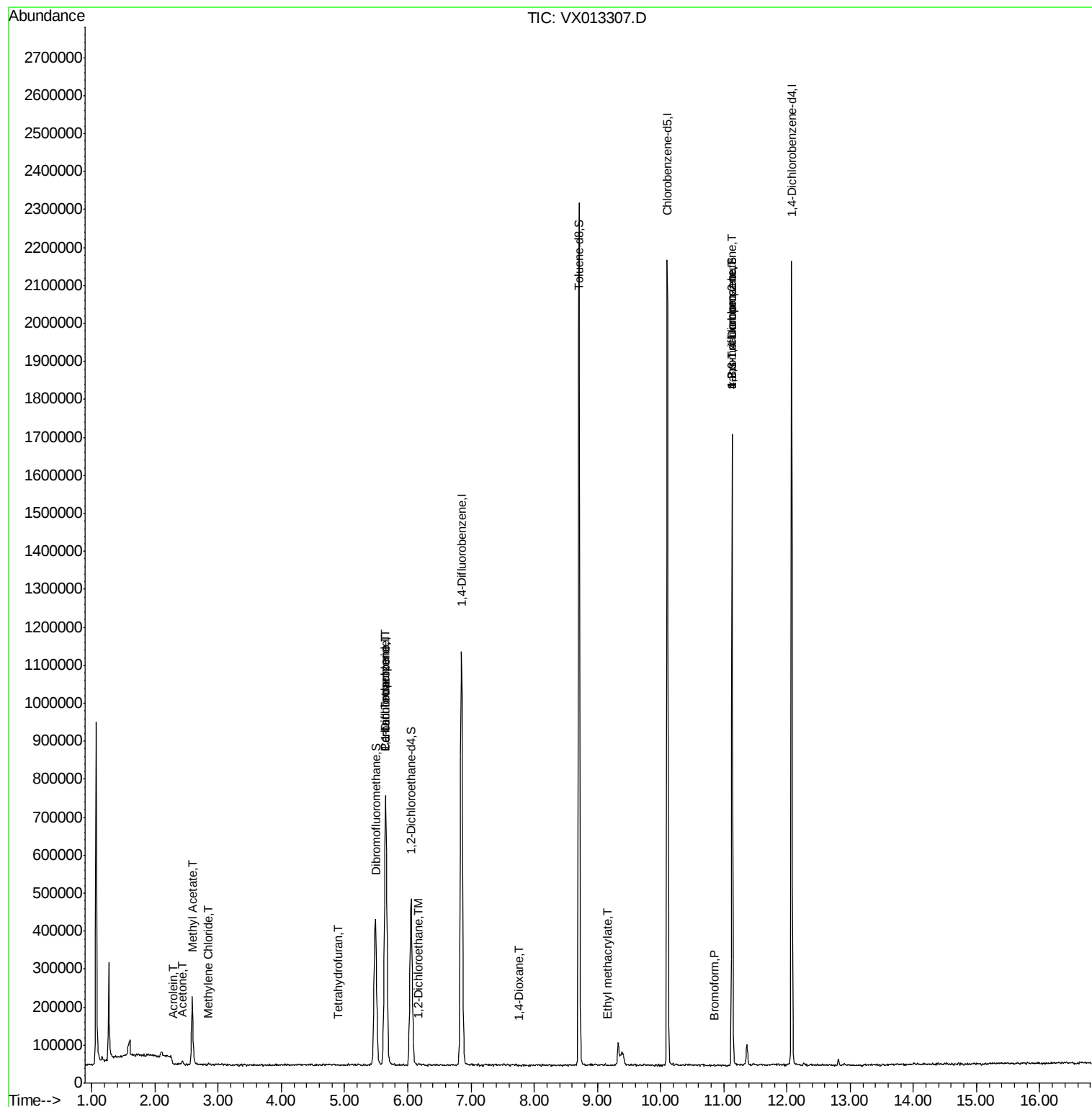
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	1106	Below Cal	#	47
13) Acrolein	2.29	56	703	0.574	ug/l #	14
16) Acetone	2.43	43	12505	2.927	ug/l	95
18) Methyl Acetate	2.59	43	48378	4.101	ug/l #	53
20) Methylene Chloride	2.85	84	1748	0.221	ug/l #	85
29) Tetrahydrofuran	4.90	42	1125	0.291	ug/l	95
36) 1,1-Dichloropropene	5.64	75	48751	5.091	ug/l #	53
38) Carbon Tetrachloride	5.65	117	64629	6.901	ug/l #	16
42) 1,2-Dichloroethane	6.17	62	2730	0.254	ug/l	75
49) 1,4-Dioxane	7.75	88	351	1.666	ug/l #	19
56) Ethyl methacrylate	9.17	69	209	1.578	ug/l #	1
71) Bromoform	10.85	173	328	3.248	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	218309	24.068	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	218309	61.951	ug/l #	9

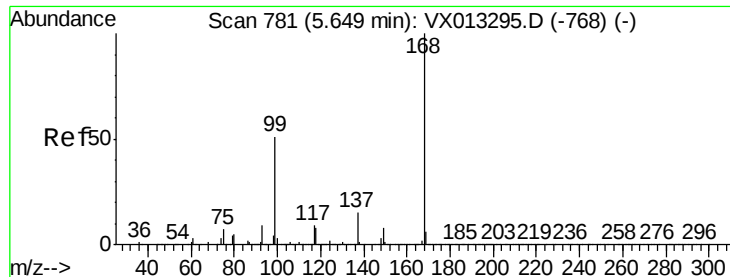
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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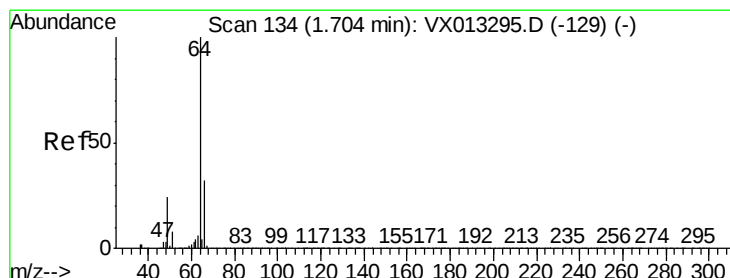
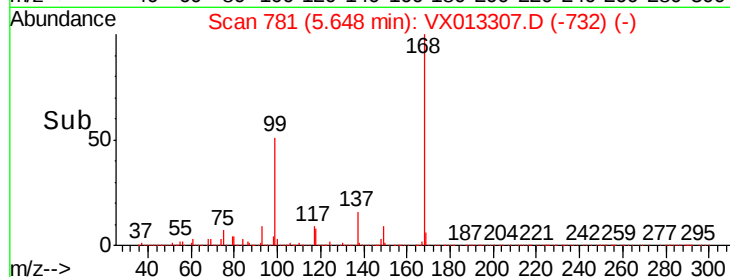
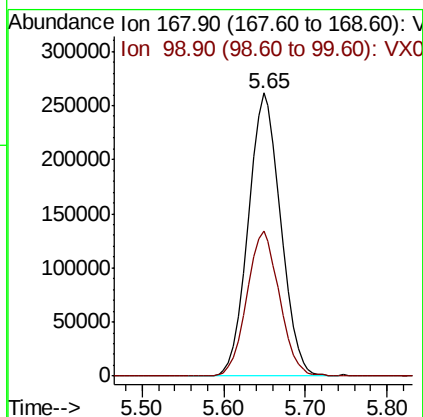
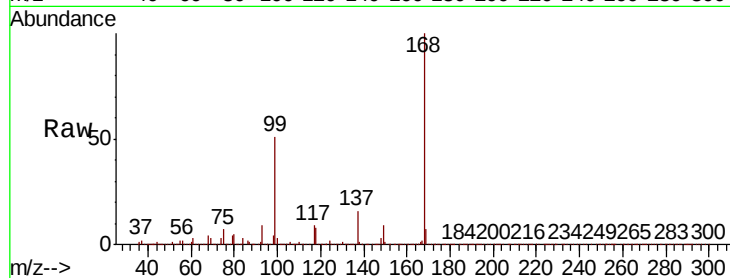


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: VX013307.D
 Acq: 01 Nov 2019 13:34

Instrument :
 MSVOA_X
 ClientSampleId :

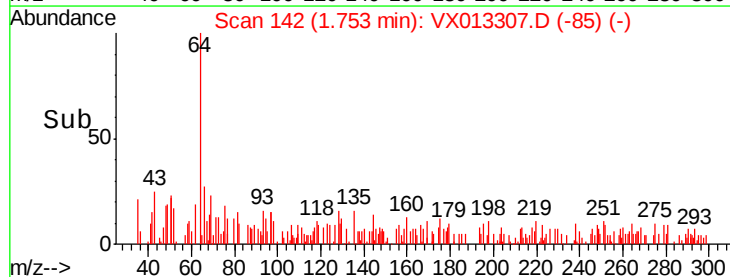
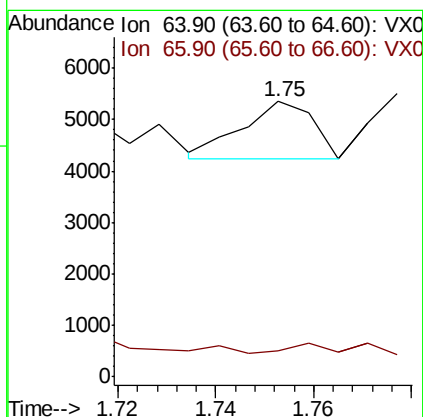
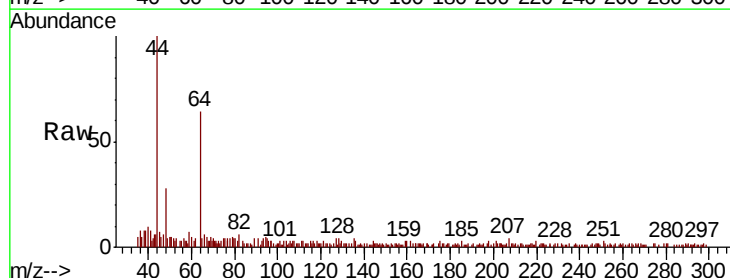
Tot Ion:168 Resp: 723086
 Ion Ratio Lower Upper
 168 100
 99 51.1 40.8 61.2

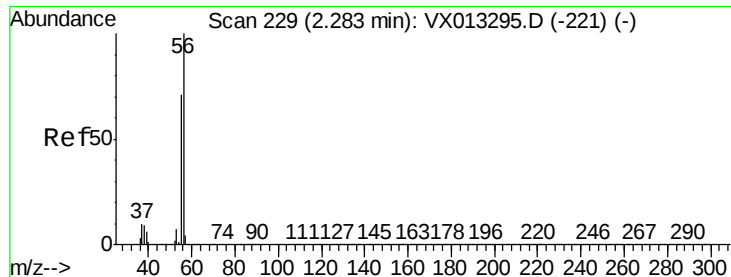


#6

Chloroethane
 Concen: Below Cal
 RT: 1.75 min Scan# 142
 Delta R.T. 0.05 min
 Lab File: VX013307.D
 Acq: 01 Nov 2019 13:34

Tgt Ion: 64 Resp: 1106
 Ion Ratio Lower Upper
 64 100
 66 2.7 25.6 38.4#

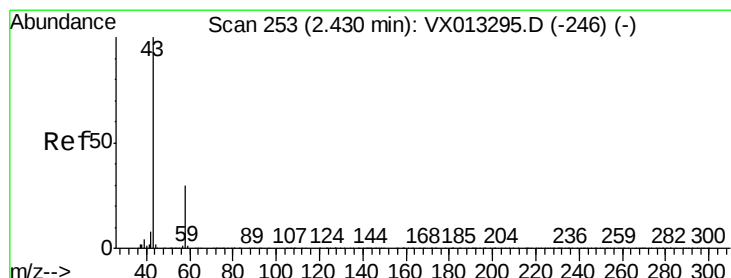
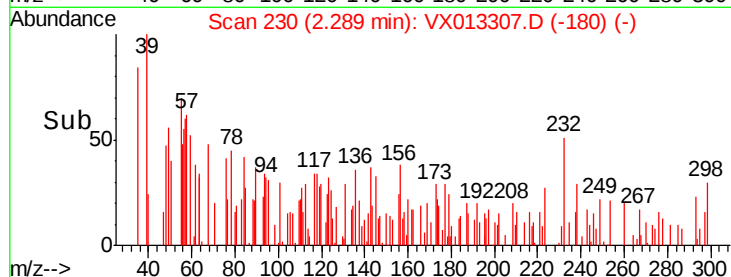
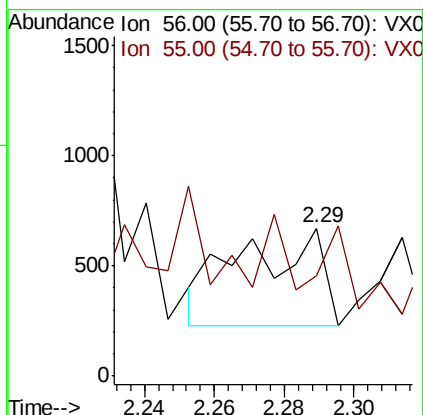
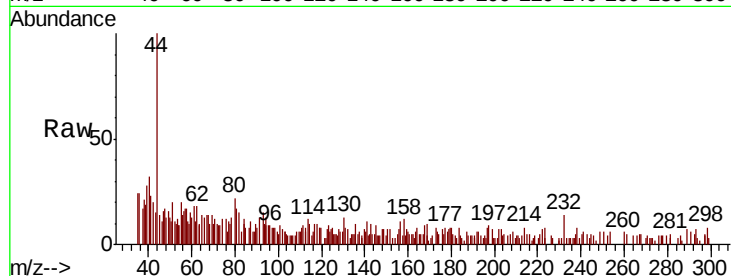




#13
Acrolein
Concen: 0.574 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX013307.D
Acq: 01 Nov 2019 13:34

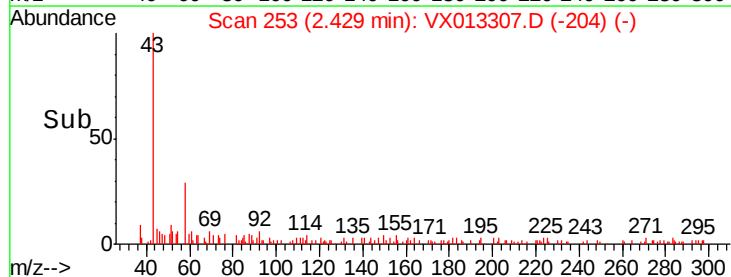
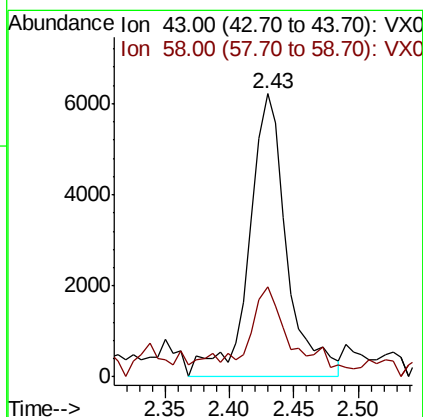
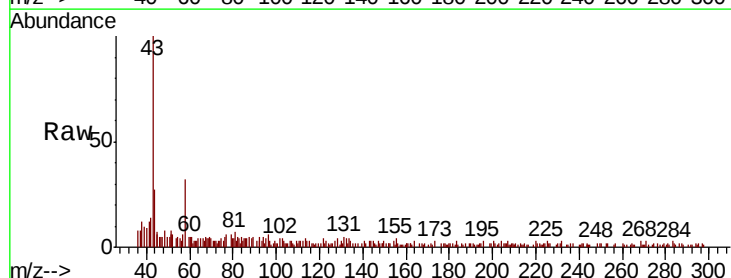
Instrument :
MSVOA_X
ClientSampled :

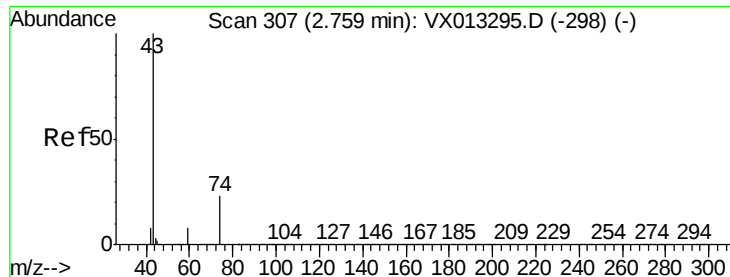
Tot Ion: 56 Resp: 703
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 2.927 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013307.D
Acq: 01 Nov 2019 13:34

Tgt Ion: 43 Resp: 12505
Ion Ratio Lower Upper
43 100
58 27.7 24.3 36.5

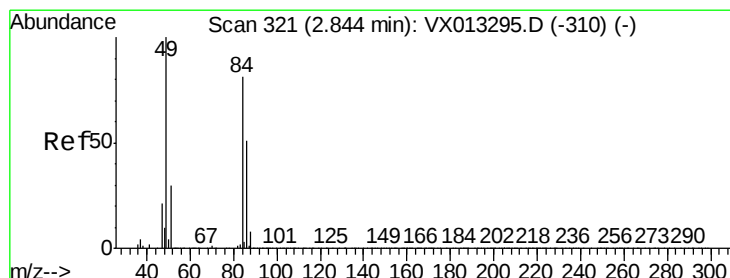
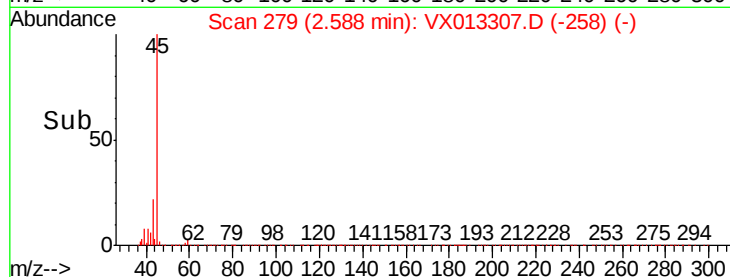
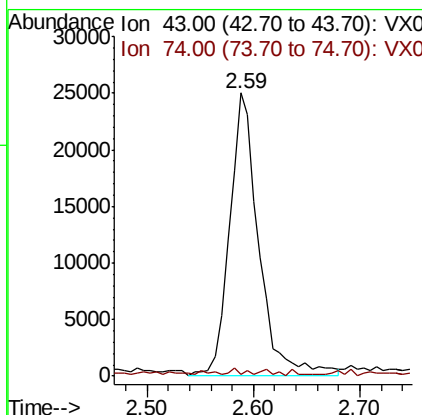
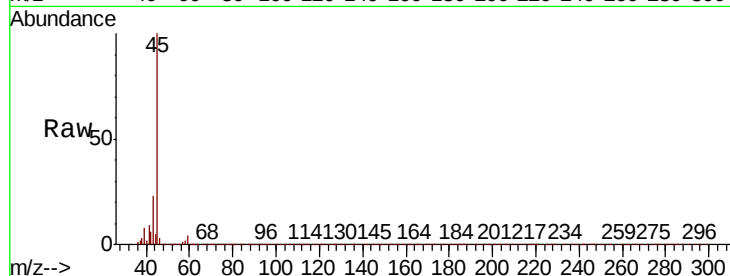




#18
Methyl Acetate
Concen: 4.101 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.17 min
Lab File: VX013307.D
Acq: 01 Nov 2019 13:34

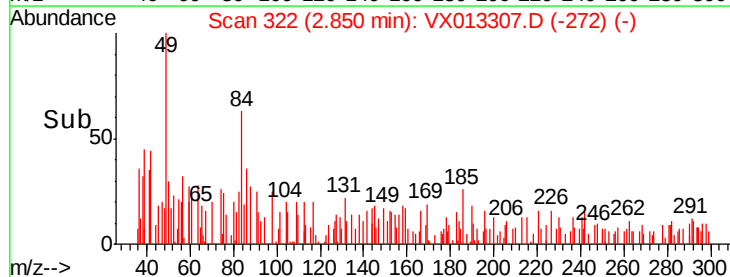
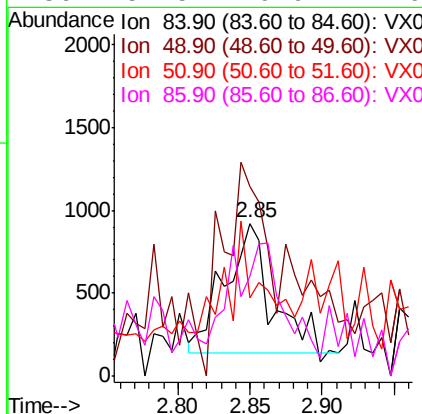
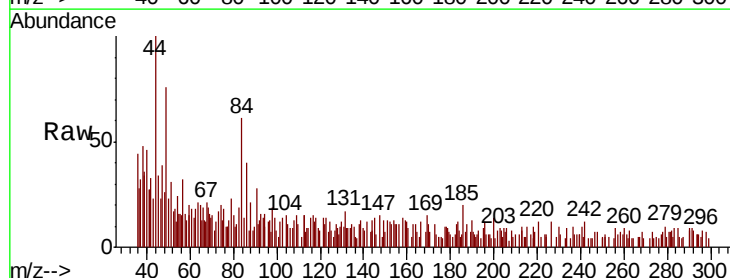
Instrument :
MSVOA_X
ClientSampled :

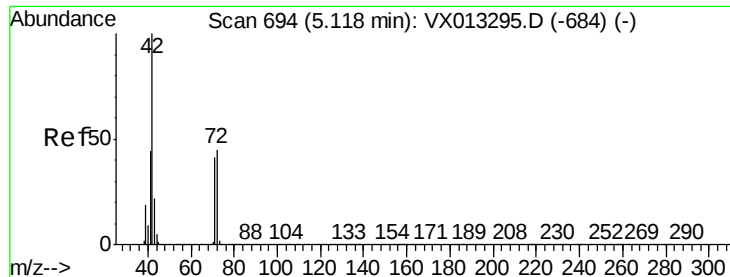
Tot Ion: 43 Resp: 48378
Ion Ratio Lower Upper
43 100
74 0.9 19.0 28.6#



#20
Methylene Chloride
Concen: 0.221 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013307.D
Acq: 01 Nov 2019 13:34

Tgt Ion: 84 Resp: 1748
Ion Ratio Lower Upper
84 100
49 104.4 98.2 147.4
51 26.9 29.9 44.9#
86 54.5 49.9 74.9





#29

Tetrahydrofuran

Concen: 0.291 ug/l

RT: 4.90 min Scan# 659

Delta R.T. -0.21 min

Lab File: VX013307.D

Acq: 01 Nov 2019 13:34

Instrument :

MSVOA_X

ClientSampled :

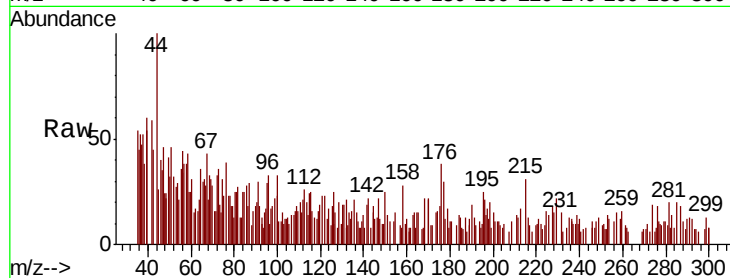
Tot Ion: 42 Resp: 1125

Ion Ratio Lower Upper

42 100

72 48.3 35.8 53.8

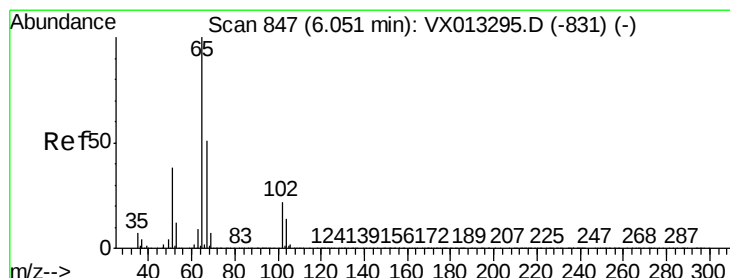
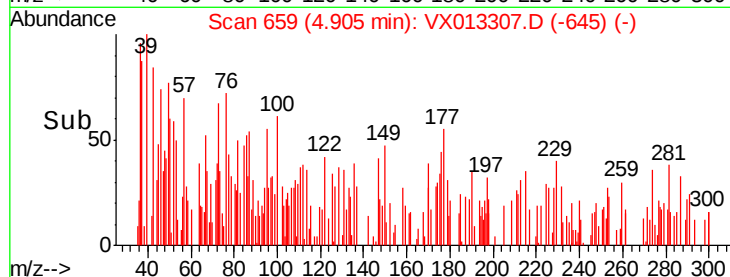
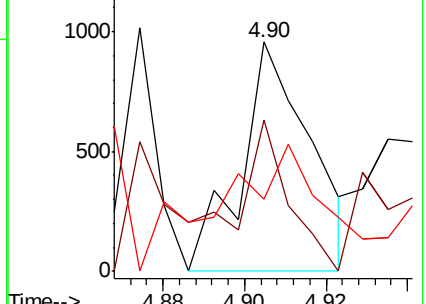
71 38.8 33.4 50.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.854 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013307.D

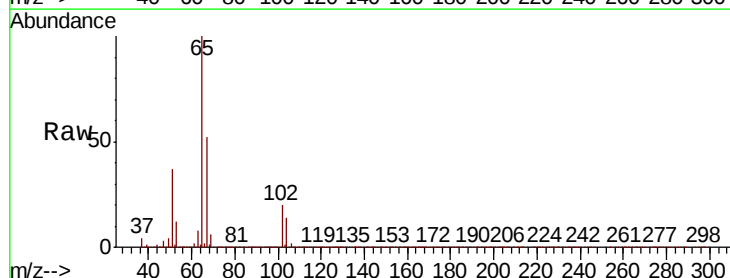
Acq: 01 Nov 2019 13:34

Tgt Ion: 65 Resp: 418500

Ion Ratio Lower Upper

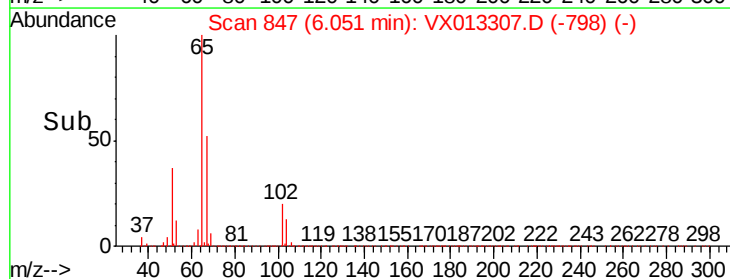
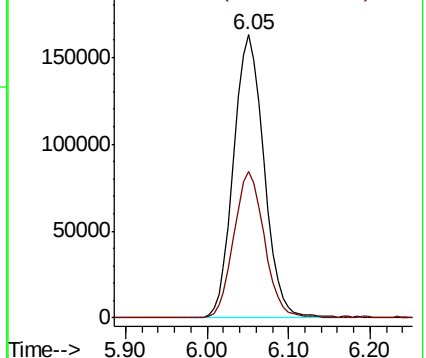
65 100

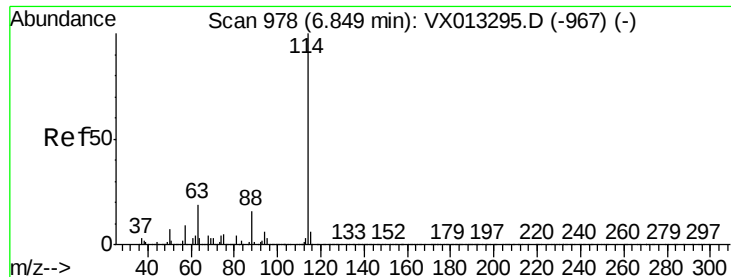
67 52.3 0.0 104.2



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: VX013307.D

Acq: 01 Nov 2019 13:34

Instrument :

MSVOA_X

ClientSampleId :

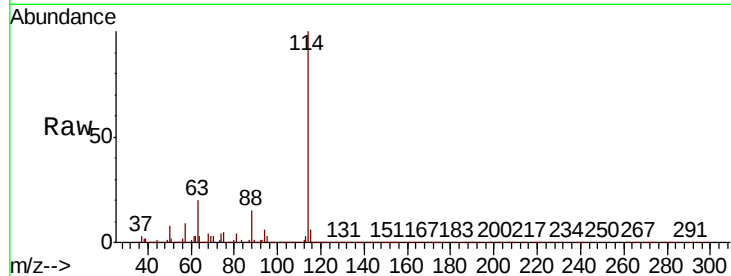
Tot Ion:114 Resp: 1116328

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.3 0.0 32.2



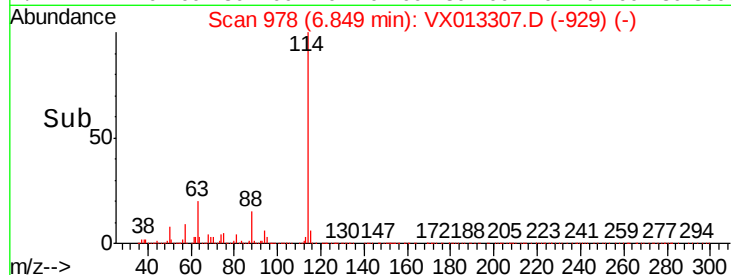
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

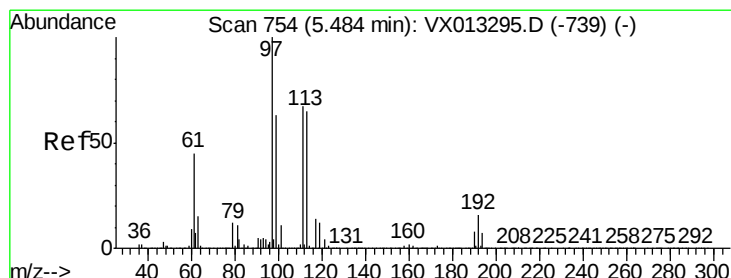
Ion 87.90 (87.60 to 88.60): VX0

6.85

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 47.041 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013307.D

Acq: 01 Nov 2019 13:34

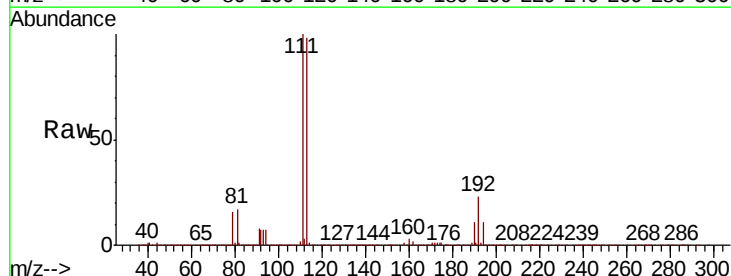
Tgt Ion:113 Resp: 329371

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

192 23.3 19.1 28.7



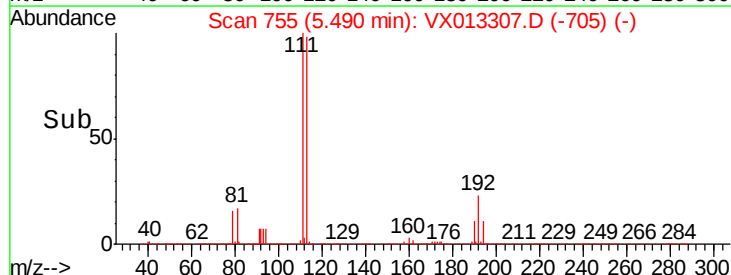
Abundance Ion 112.80 (112.50 to 113.50): V

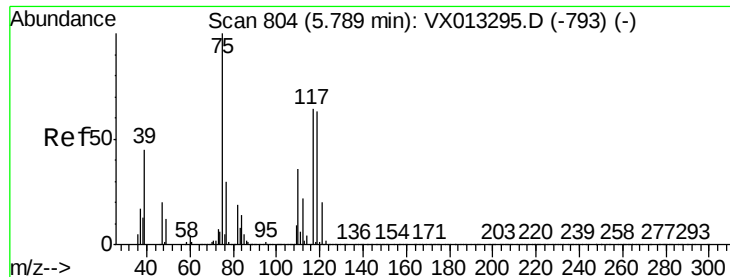
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.49

Time-->

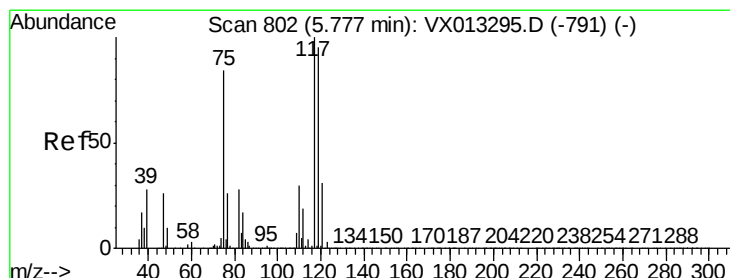
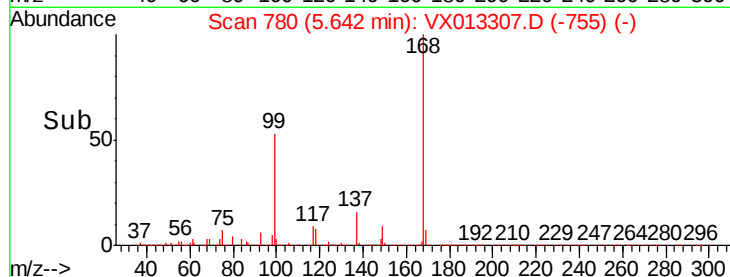
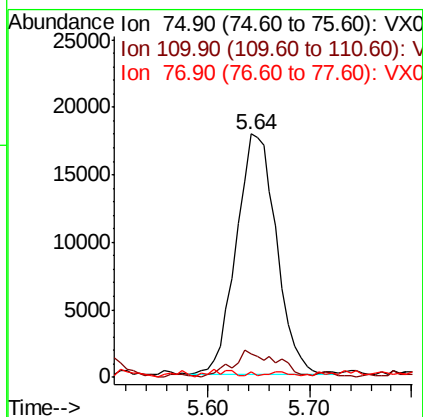
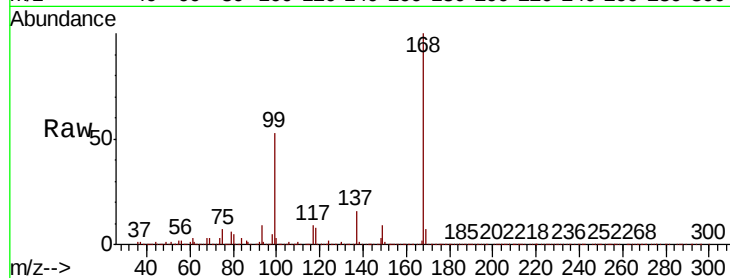




#36
 1,1-Dichloropropene
 Concen: 5.091 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013307.D
 Acq: 01 Nov 2019 13:34

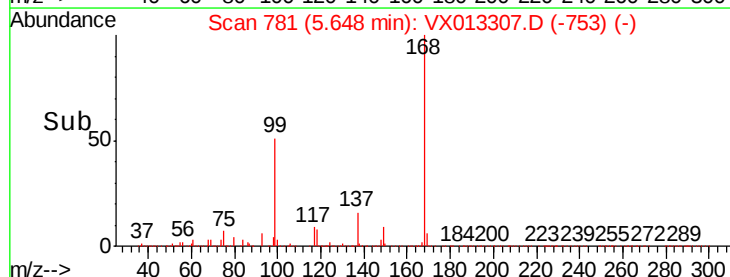
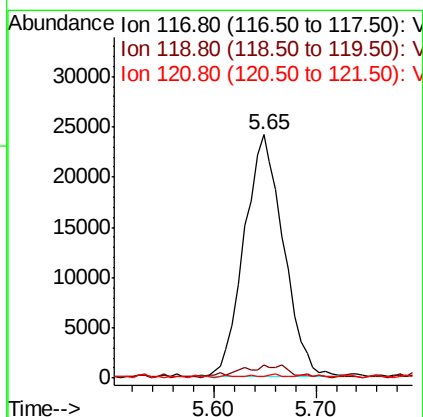
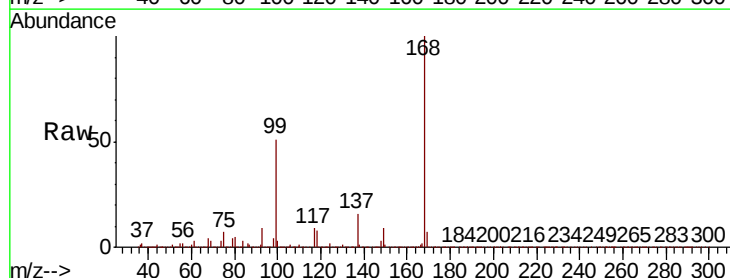
Instrument :
 MSVOA_X
 ClientSampleID :

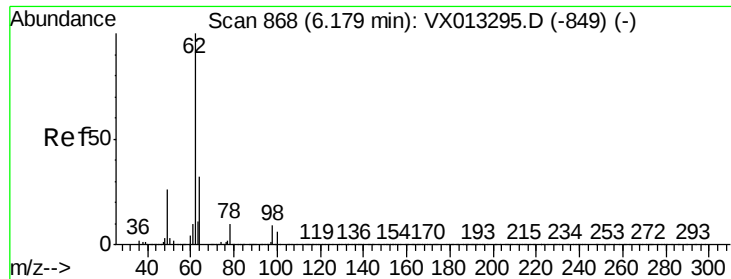
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.4	18.1	54.1#
77	0.4	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.901 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013307.D
 Acq: 01 Nov 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.1	114.1#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.254 ug/l

RT: 6.17 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX013307.D

Acq: 01 Nov 2019 13:34

Instrument :

MSVOA_X

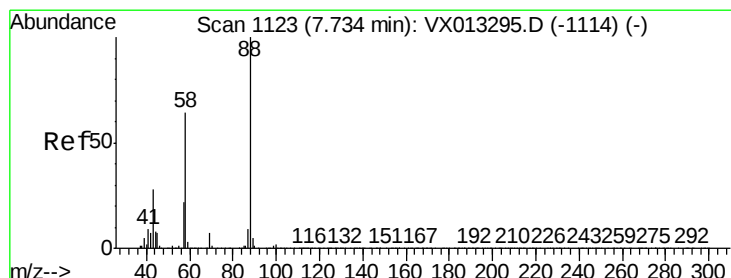
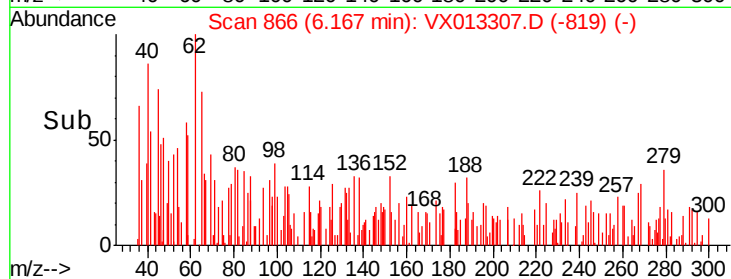
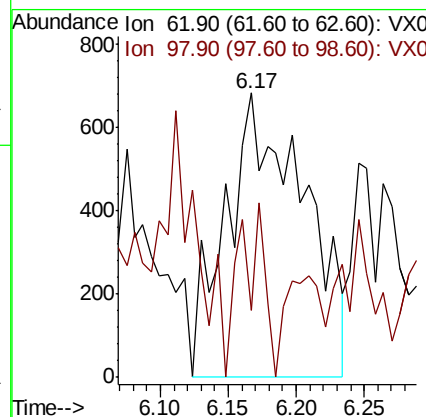
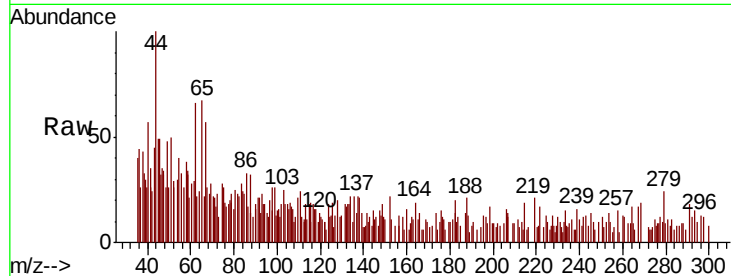
ClientSampled :

Tot Ion: 62 Resp: 2730

Ion Ratio Lower Upper

62 100

98 18.8 0.0 19.4



#49

1,4-Dioxane

Concen: 1.666 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013307.D

Acq: 01 Nov 2019 13:34

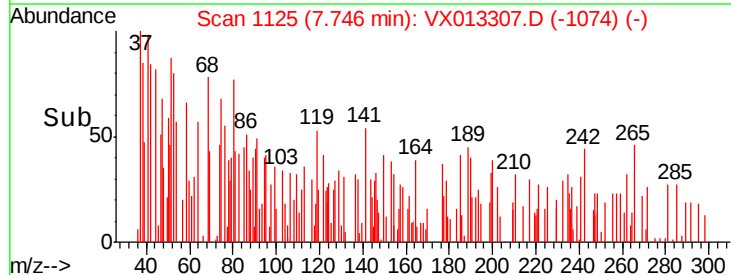
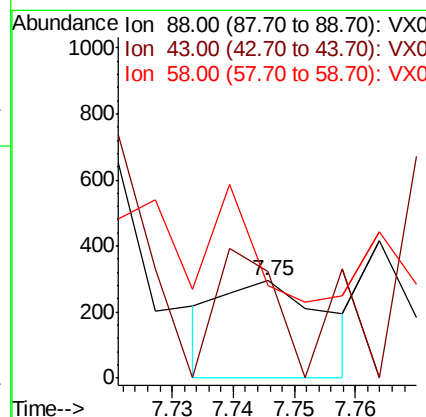
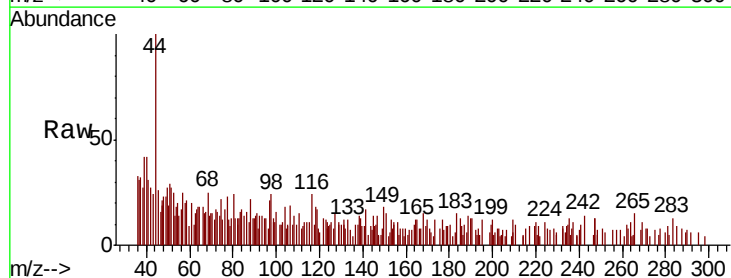
Tgt Ion: 88 Resp: 351

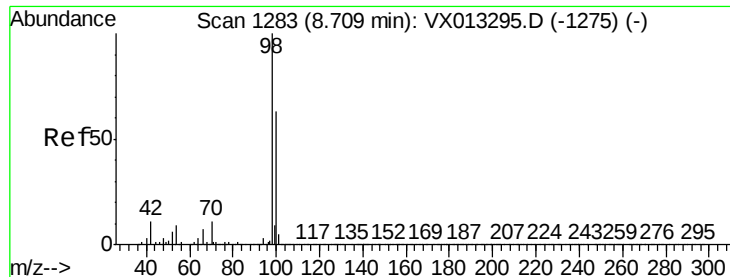
Ion Ratio Lower Upper

88 100

43 74.4 26.6 39.8#

58 0.0 55.0 82.6#





#50

Toluene-d8

Concen: 49.695 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013307.D

Acq: 01 Nov 2019 13:34

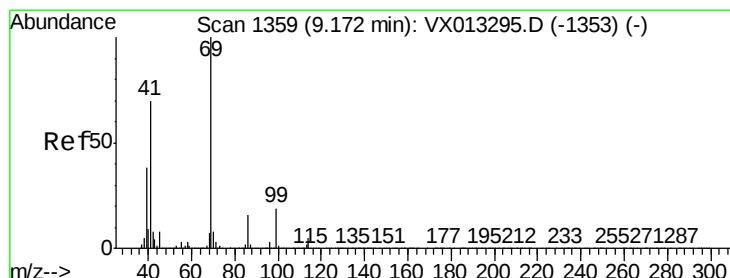
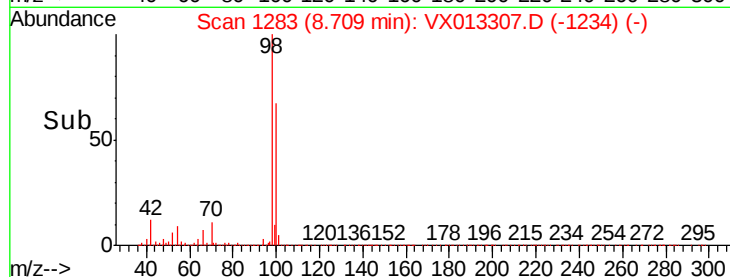
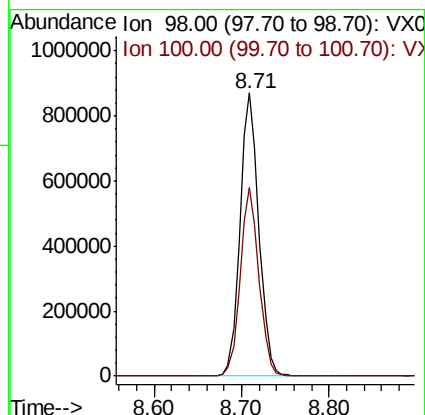
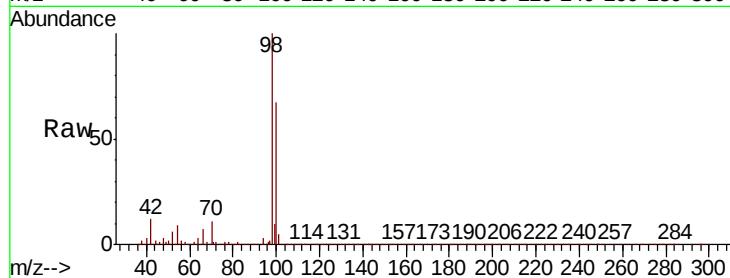
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 1311750

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.578 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX013307.D

Acq: 01 Nov 2019 13:34

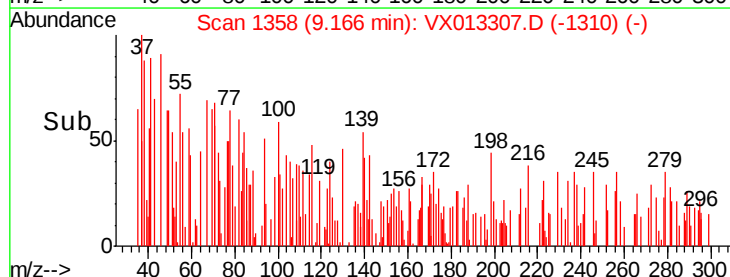
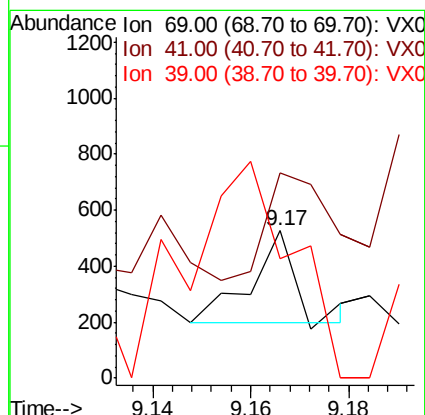
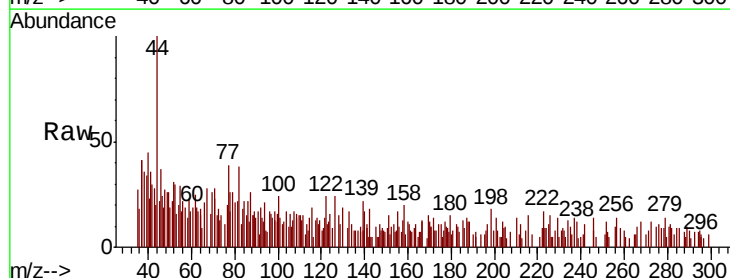
Tgt Ion: 69 Resp: 209

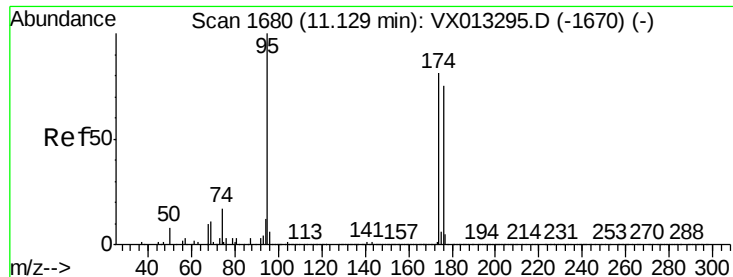
Ion Ratio Lower Upper

69 100

41 194.7 56.2 84.2#

39 546.9 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 45.867 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013307.D

Acq: 01 Nov 2019 13:34

Instrument :

MSVOA_X

ClientSampled :

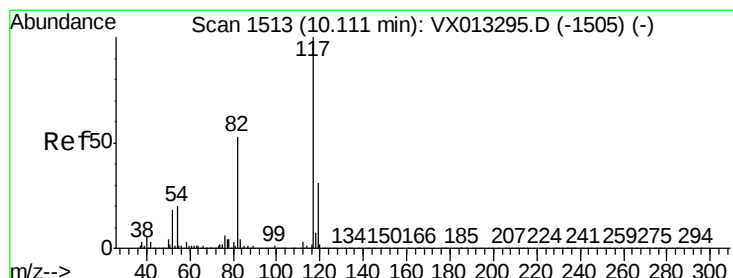
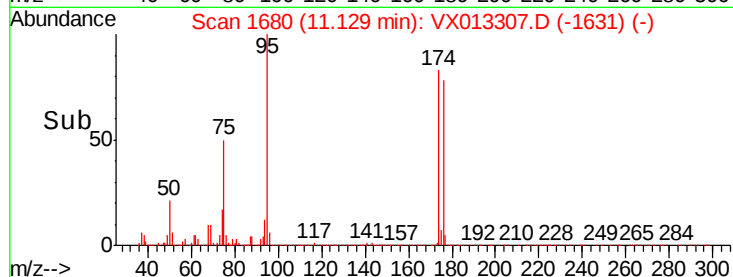
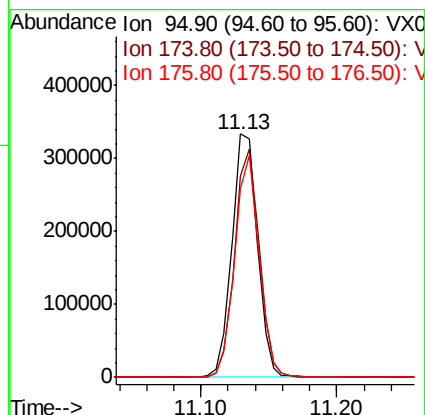
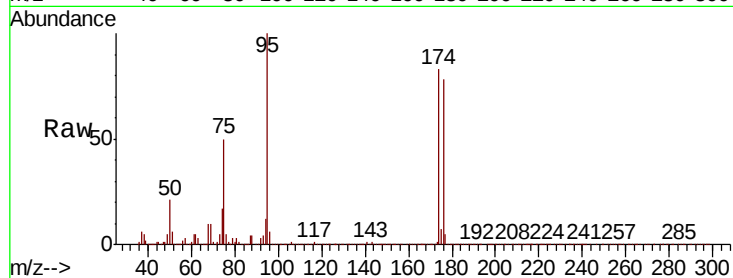
Tot Ion: 95 Resp: 436944

Ion Ratio Lower Upper

95 100

174 90.9 0.0 179.8

176 87.5 0.0 173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013307.D

Acq: 01 Nov 2019 13:34

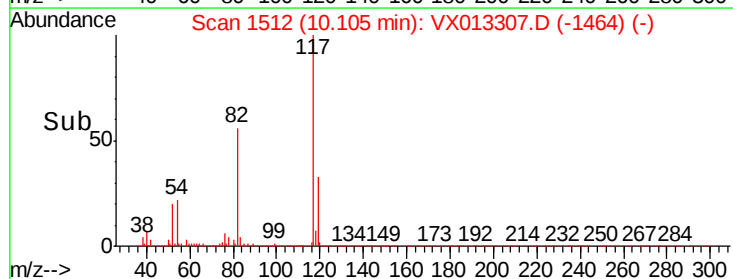
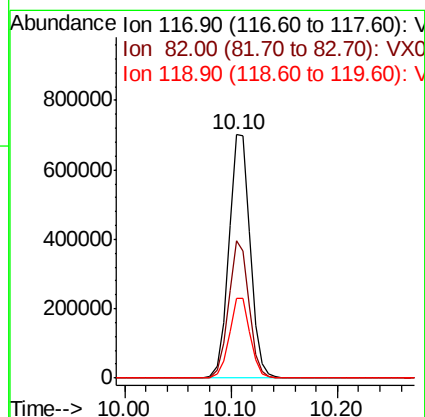
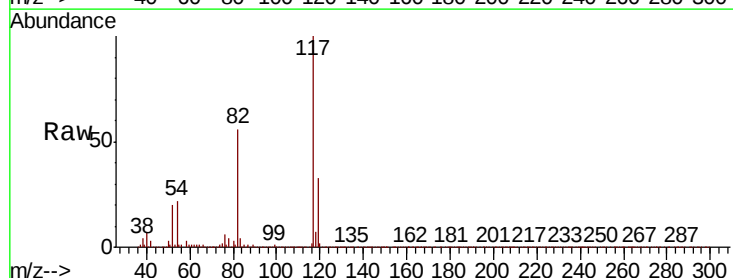
Tgt Ion: 117 Resp: 980395

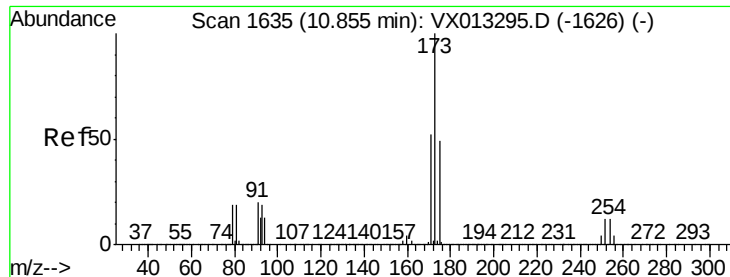
Ion Ratio Lower Upper

117 100

82 56.2 42.6 64.0

119 32.7 24.8 37.2





#71

Bromoform

Concen: 3.248 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013307.D

Acq: 01 Nov 2019 13:34

Instrument :

MSVOA_X

ClientSampled :

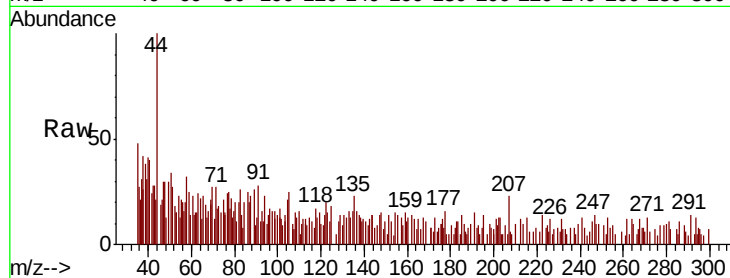
Tot Ion:173 Resp: 328

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

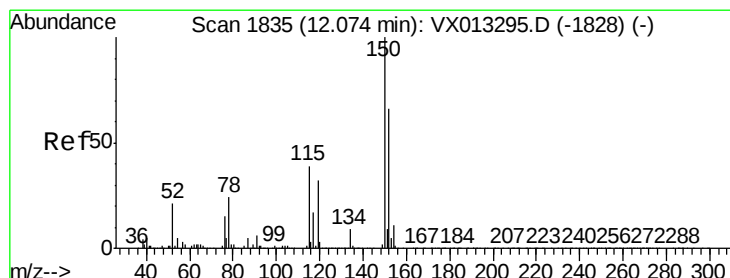
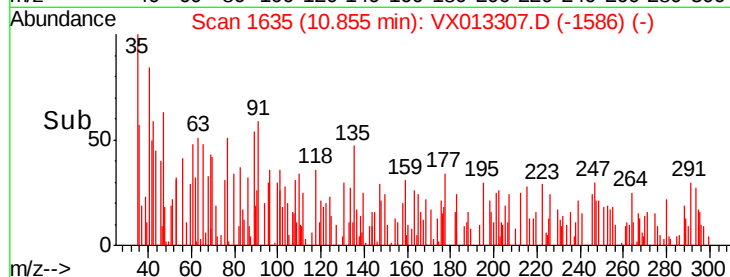
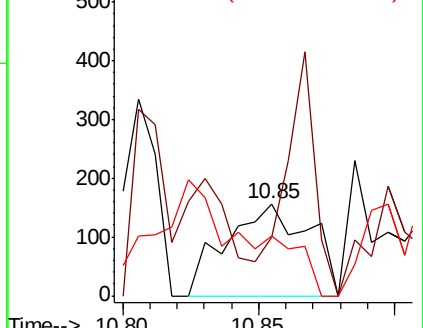
254 0.0 0.2 0.2#



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: VX013307.D

Acq: 01 Nov 2019 13:34

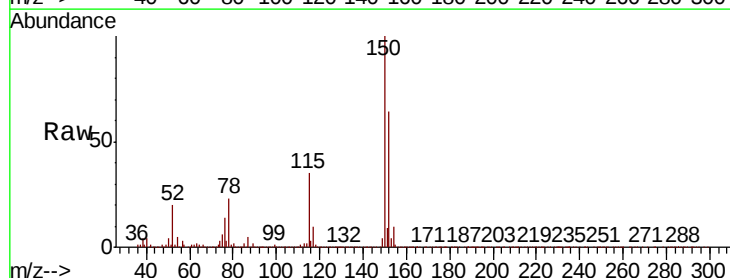
Tgt Ion:152 Resp: 446573

Ion Ratio Lower Upper

152 100

115 55.6 39.5 118.3

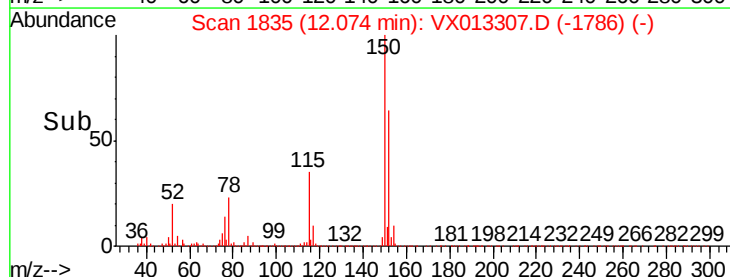
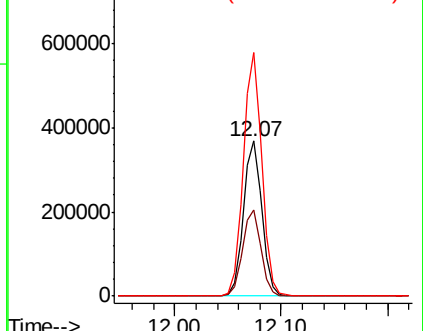
150 157.4 0.0 344.4

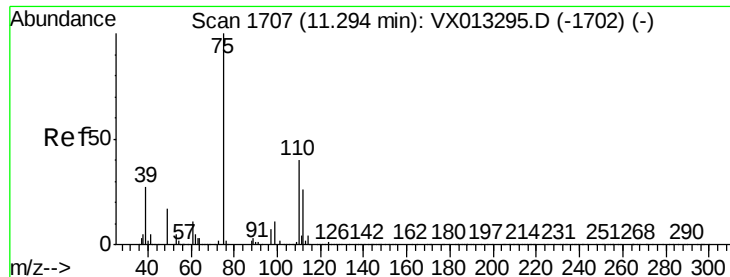


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

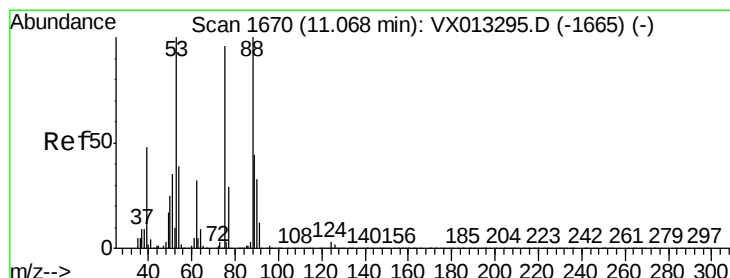
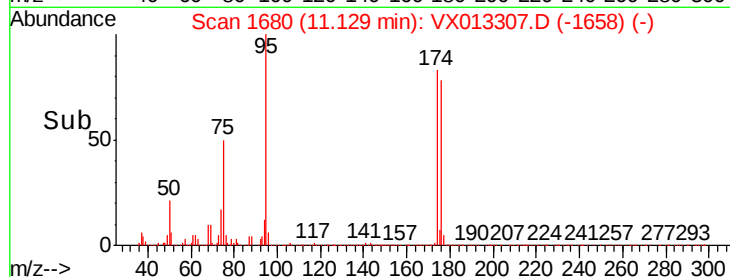
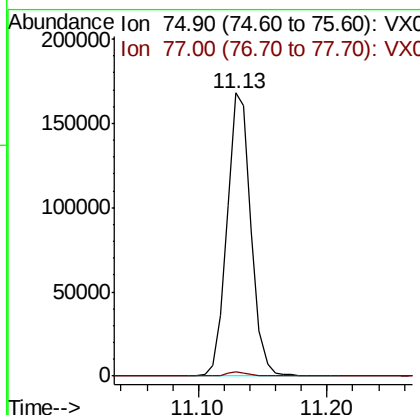
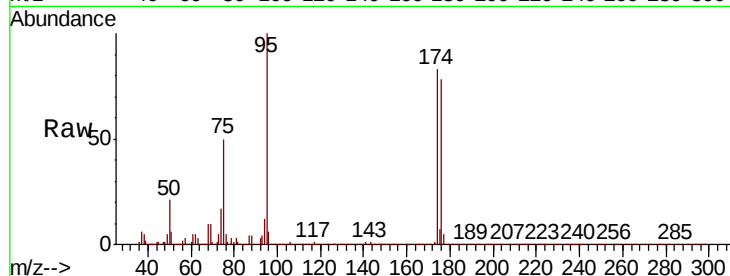




#76
1,2,3-Trichloropropane
Concen: 24.068 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013307.D
Acq: 01 Nov 2019 13:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 218309
Ion Ratio Lower Upper
75 100
77 1.3 22.3 66.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.951 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013307.D
Acq: 01 Nov 2019 13:34

Tgt Ion: 75 Resp: 218309
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.6#
89 0.0 36.0 54.0#

