

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111219\
 Data File : VX013389.D
 Acq On : 12 Nov 2019 16:51
 Operator : JC/SP
 Sample : K5803-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 13 02:42:23 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	781601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1233329	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1084530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	495576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	447921	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	5.48	113	369342	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	8.71	98	1458776	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.14	95	490782	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds

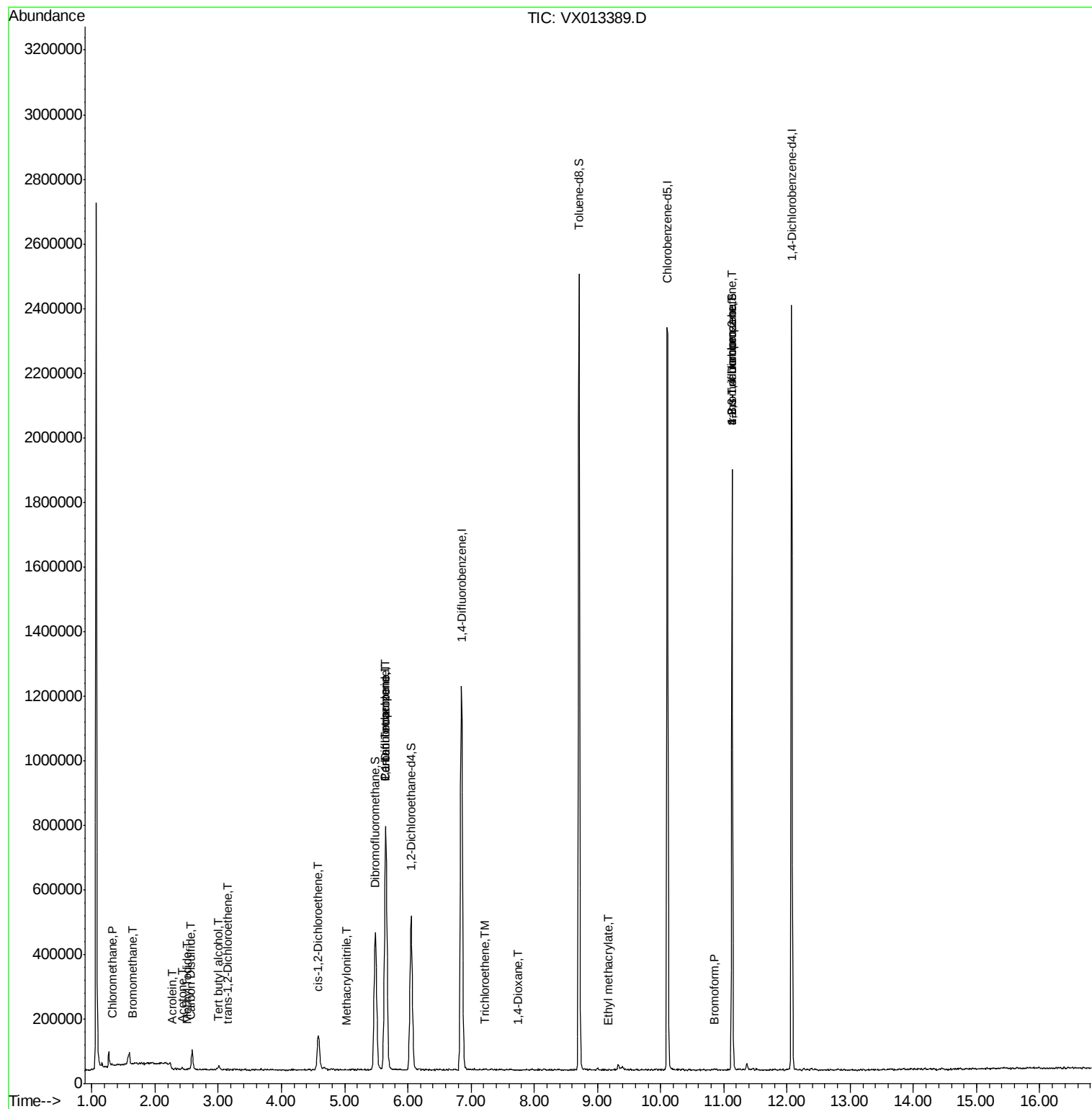
						Qvalue
3) Chloromethane	1.32	50	4550	0.466	ug/l #	74
5) Bromomethane	1.65	94	1615	0.208	ug/l	81
6) Chloroethane	1.75	64	496	Below Cal	#	56
10) Methyl Iodide	2.50	142	1820	0.201	ug/l #	86
11) Tert butyl alcohol	3.00	59	10344	4.238	ug/l #	93
13) Acrolein	2.28	56	595	0.450	ug/l #	45
16) Acetone	2.43	43	9820	2.126	ug/l #	87
17) Carbon Disulfide	2.56	76	3840	0.200	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	1713	0.219	ug/l #	55
27) cis-1,2-Dichloroethene	4.58	96	72231	8.260	ug/l	87
36) 1,1-Dichloropropene	5.65	75	52857	4.996	ug/l #	51
38) Carbon Tetrachloride	5.65	117	67959	6.568	ug/l #	15
41) Methacrylonitrile	5.03	41	1503	0.205	ug/l #	53
44) Trichloroethene	7.22	130	3388	0.373	ug/l	74
49) 1,4-Dioxane	7.75	88	214	0.920	ug/l #	16
56) Ethyl methacrylate	9.17	69	958	1.627	ug/l #	71
71) Bromoform	10.84	173	176	3.225	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	240111	23.854	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	240111	61.400	ug/l #	10

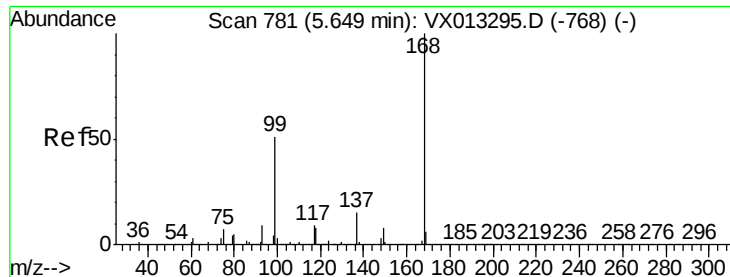
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX013389.D

Acq: 12 Nov 2019 16:51

Instrument :

MSVOA_X

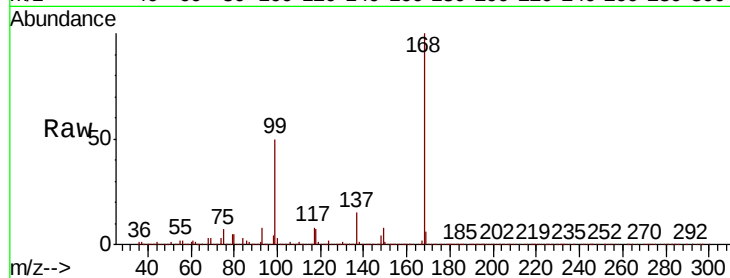
ClientSampleId :

Tot Ion:168 Resp: 781601

Ion Ratio Lower Upper

168 100

99 50.1 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

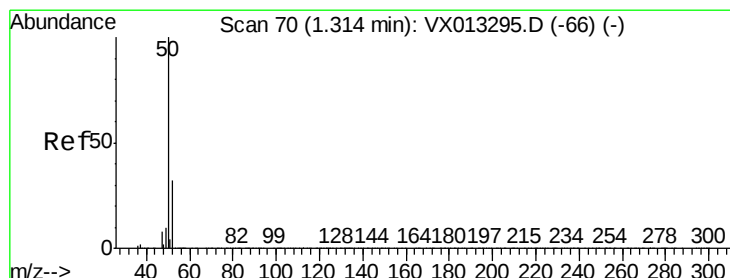
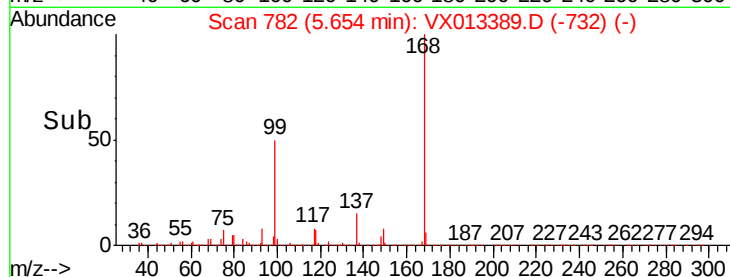
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.466 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013389.D

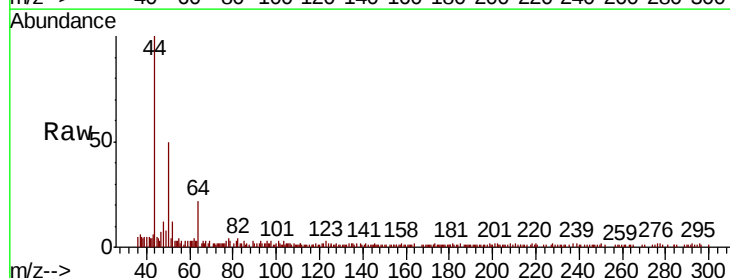
Acq: 12 Nov 2019 16:51

Tgt Ion: 50 Resp: 4550

Ion Ratio Lower Upper

50 100

52 17.5 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

5000

4000

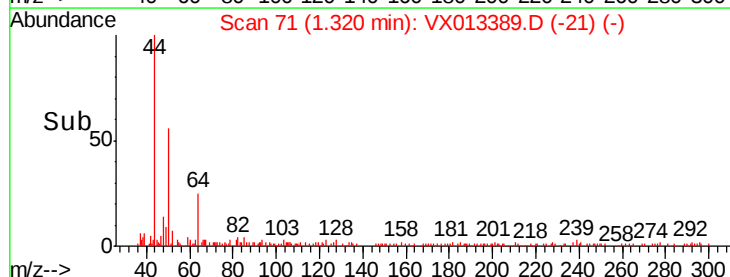
3000

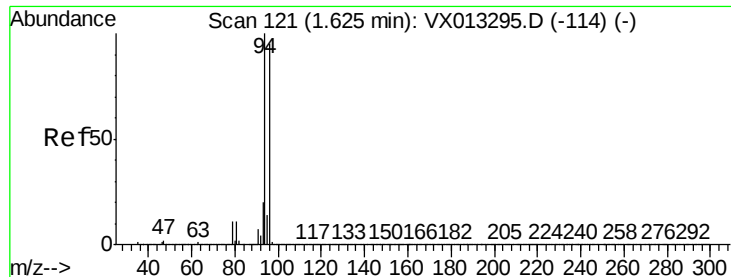
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.208 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013389.D

Acq: 12 Nov 2019 16:51

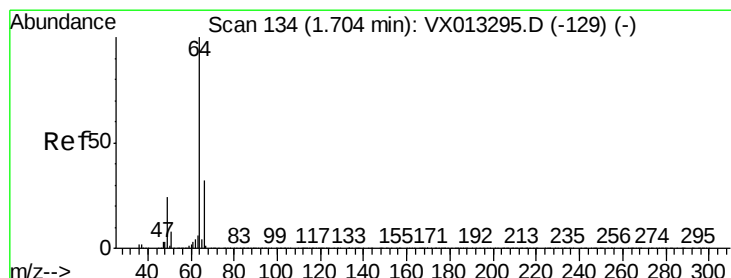
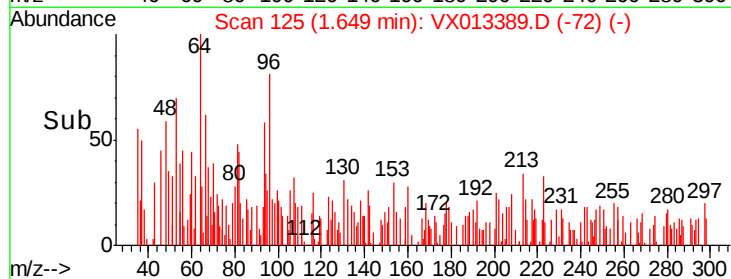
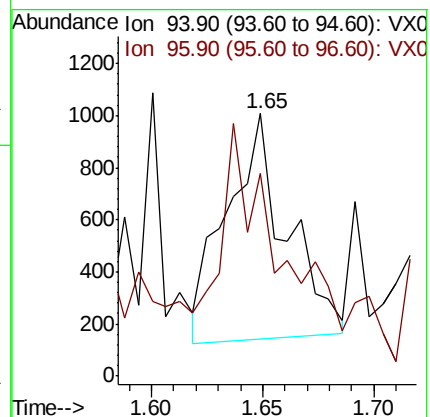
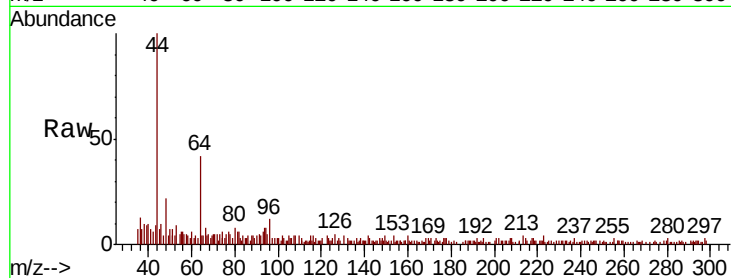
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 1615

Ion Ratio Lower Upper

94 100

96 76.4 75.8 113.8



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 142

Delta R.T. 0.05 min

Lab File: VX013389.D

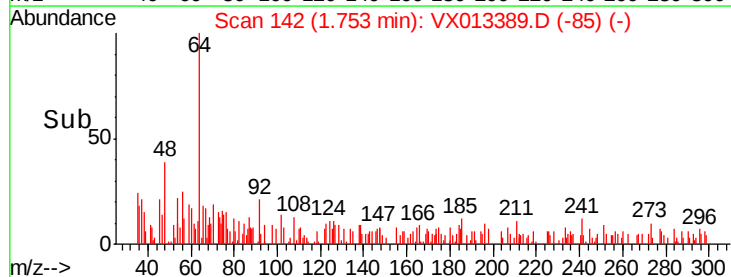
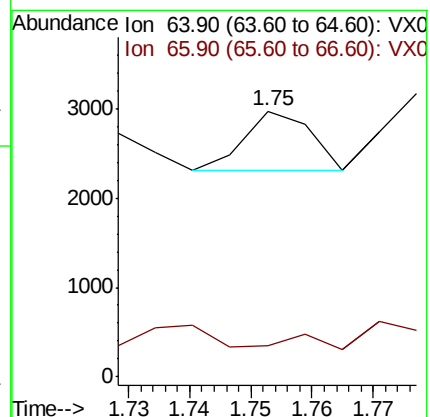
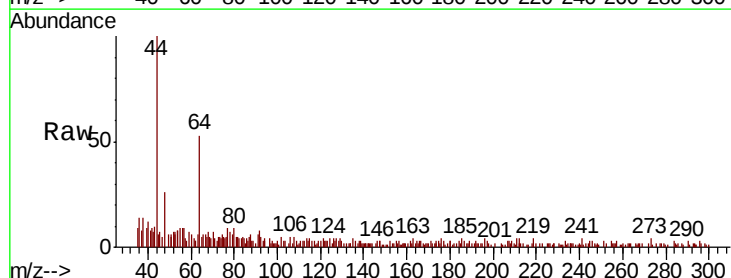
Acq: 12 Nov 2019 16:51

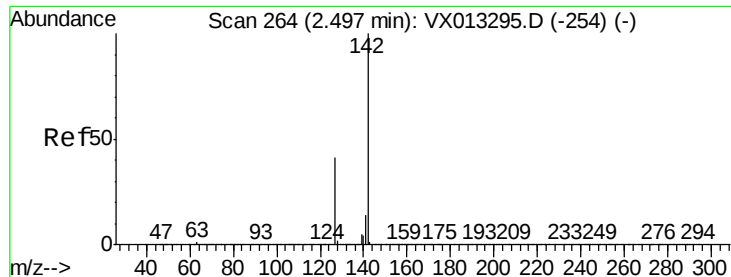
Tgt Ion: 64 Resp: 496

Ion Ratio Lower Upper

64 100

66 7.4 25.6 38.4#

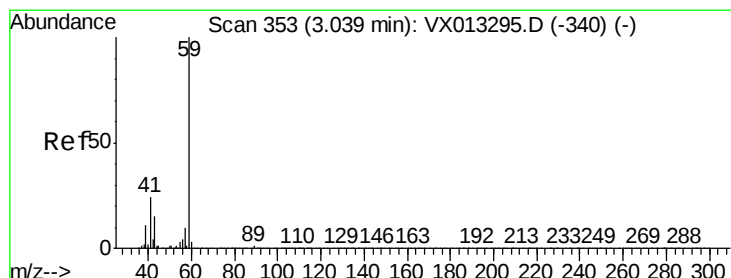
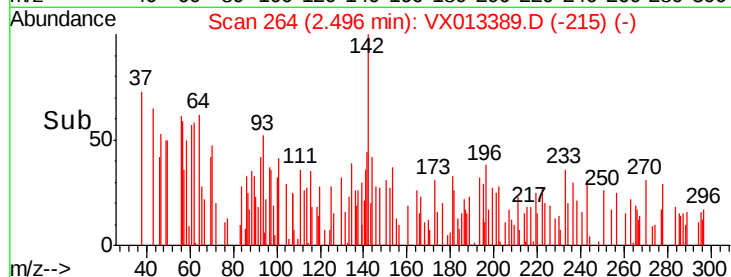
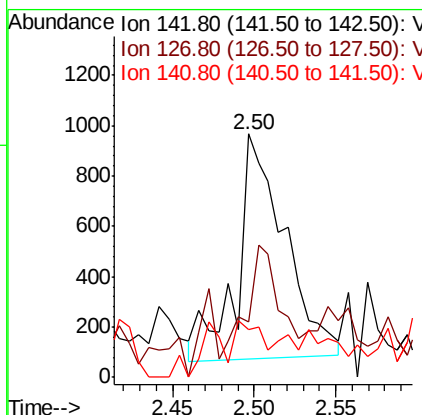
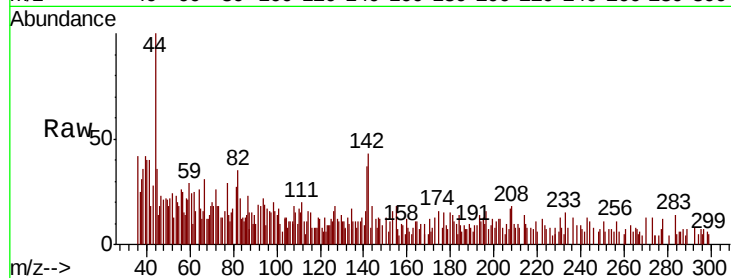




#10
Methvl Iodide
Concen: 0.201 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

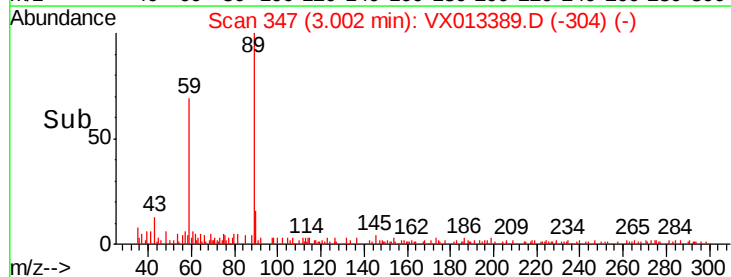
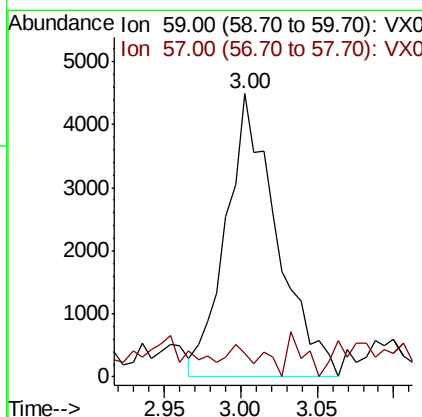
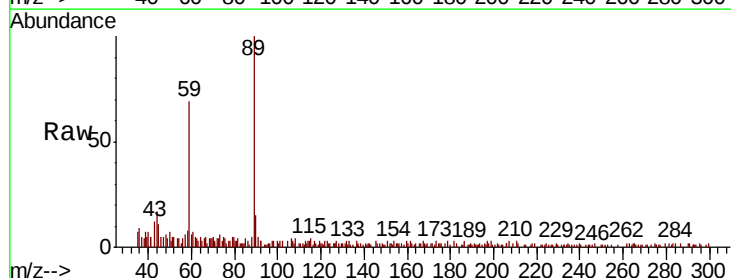
Instrument :
MSVOA_X
ClientSampled :

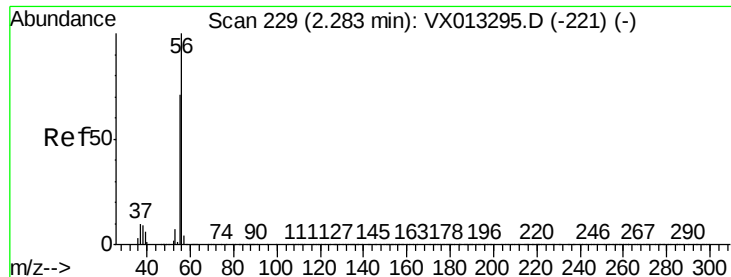
Tot Ion:142 Resp: 1820
Ion Ratio Lower Upper
142 100
127 30.7 32.6 49.0#
141 11.7 11.6 17.4



#11
Tert butyl alcohol
Concen: 4.238 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

Tgt Ion: 59 Resp: 10344
Ion Ratio Lower Upper
59 100
57 7.5 8.0 12.0#

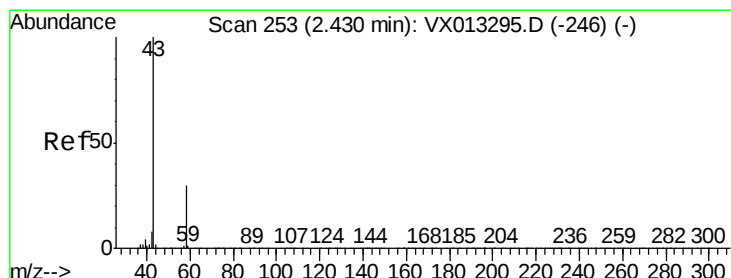
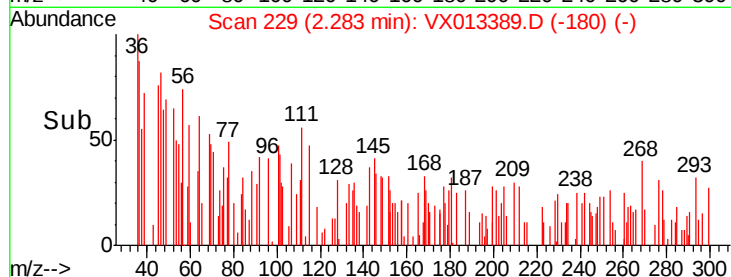
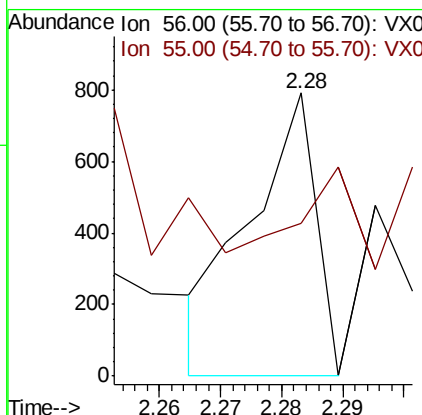
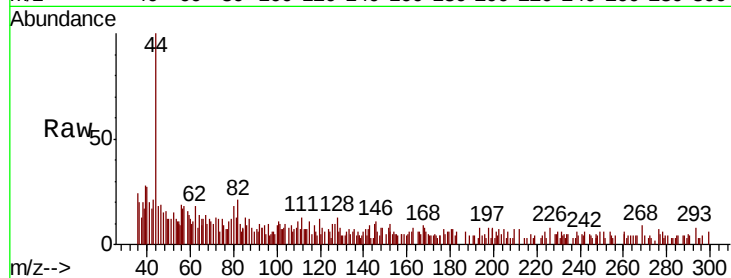




#13
Acrolein
Concen: 0.450 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

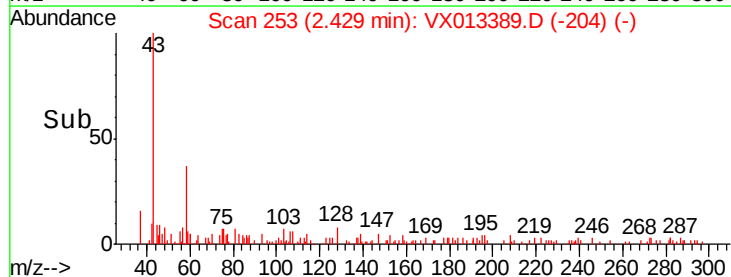
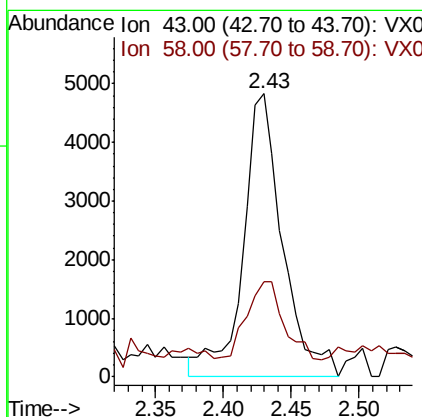
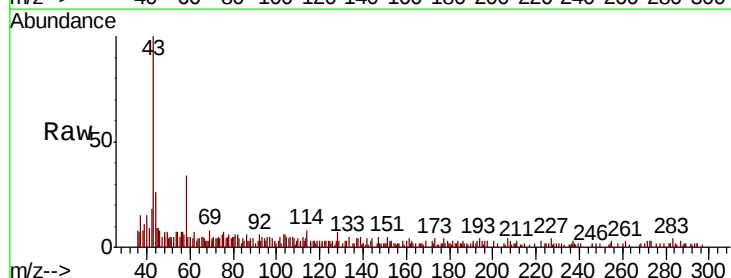
Instrument :
MSVOA_X
ClientSampled :

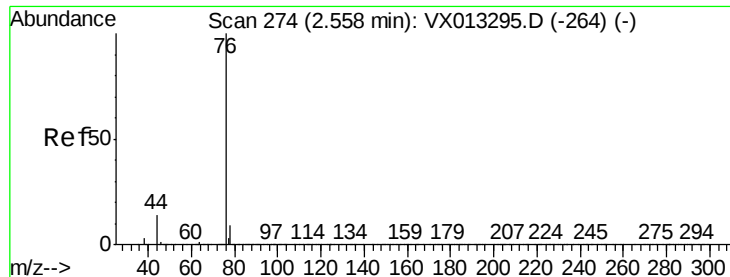
Tot Ion: 56 Resp: 595
Ion Ratio Lower Upper
56 100
55 25.7 57.4 86.0#



#16
Acetone
Concen: 2.126 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

Tgt Ion: 43 Resp: 9820
Ion Ratio Lower Upper
43 100
58 23.4 24.3 36.5#





#17

Carbon Disulfide

Concen: 0.200 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013389.D

Acq: 12 Nov 2019 16:51

Instrument :

MSVOA_X

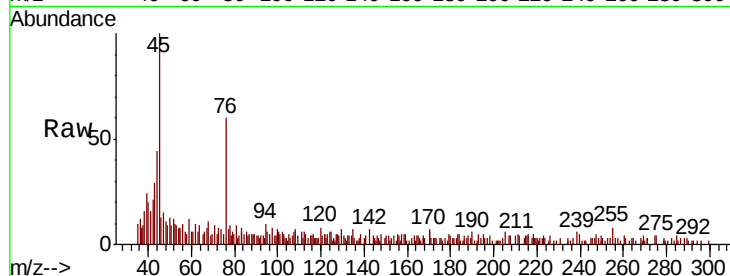
ClientSampled :

Tot Ion: 76 Resp: 3840

Ion Ratio Lower Upper

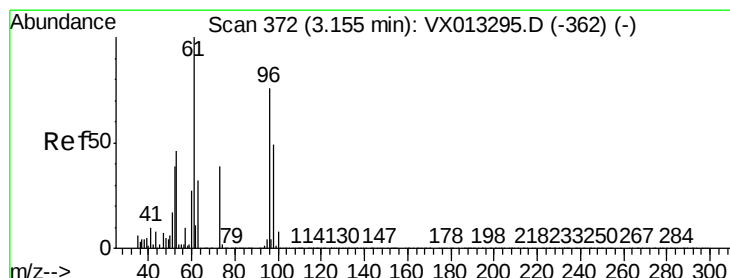
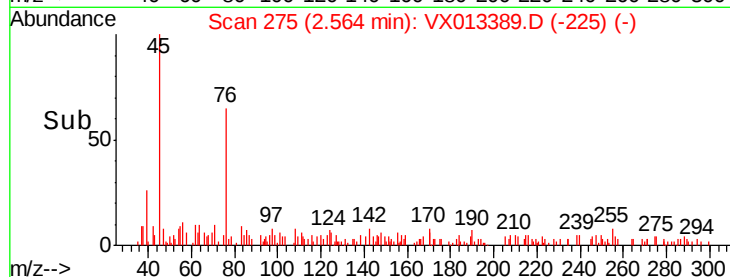
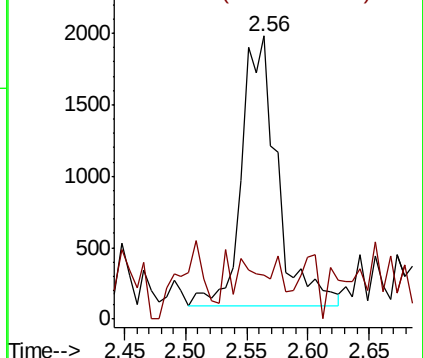
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.219 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013389.D

Acq: 12 Nov 2019 16:51

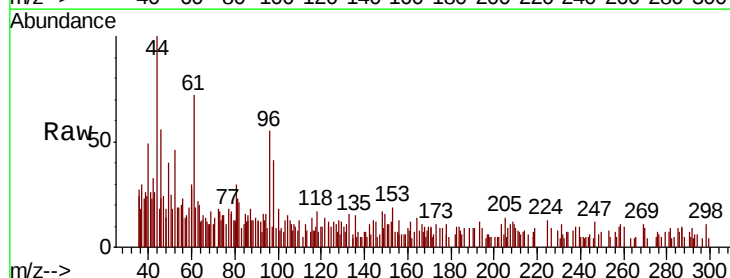
Tgt Ion: 96 Resp: 1713

Ion Ratio Lower Upper

96 100

61 68.3 105.8 158.6#

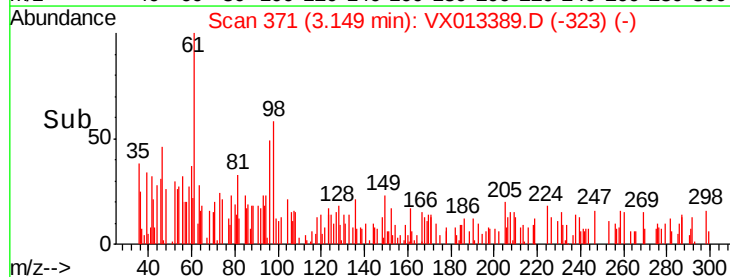
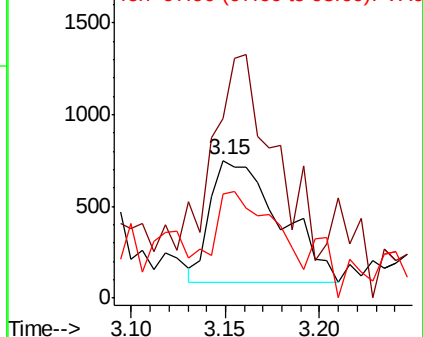
98 84.9 51.8 77.6#

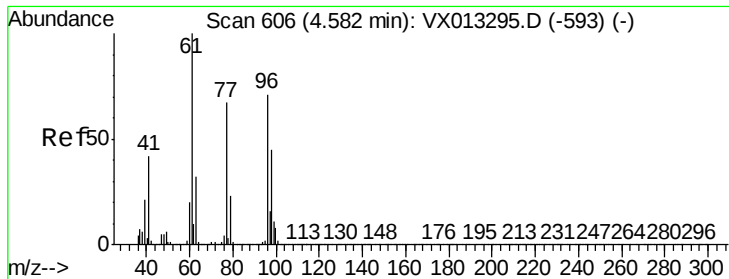


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



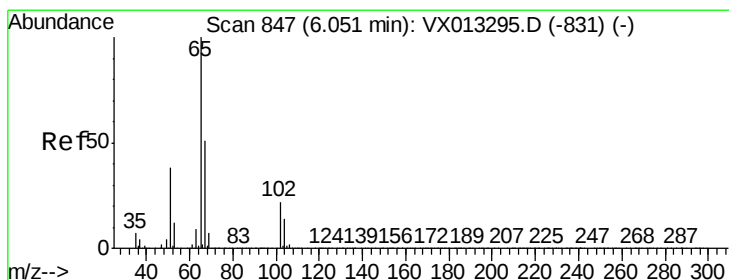
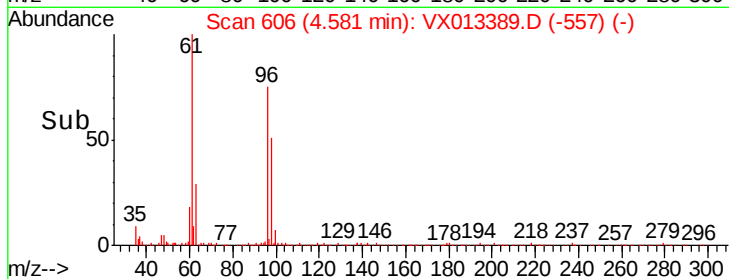
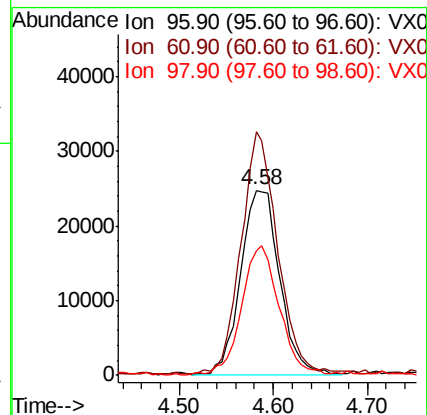
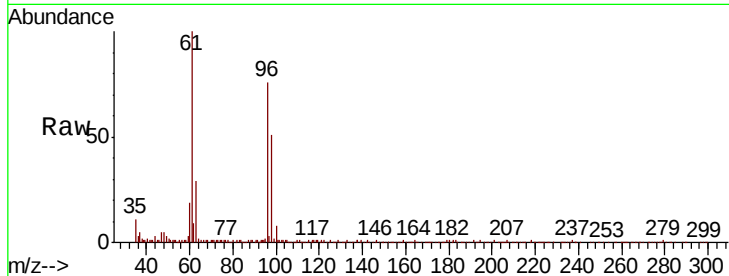


#27

cis-1,2-Dichloroethene
Concen: 8.260 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

Instrument :
MSVOA_X
ClientSampleId :

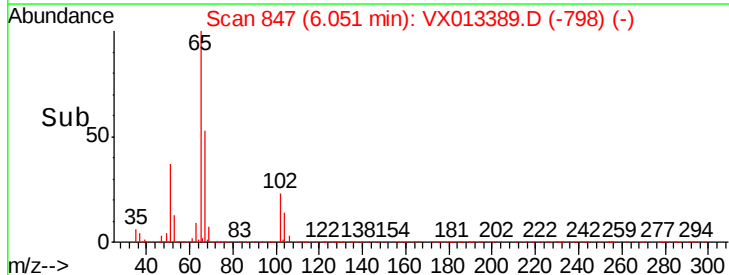
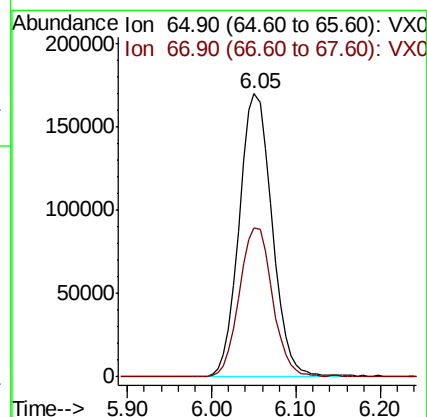
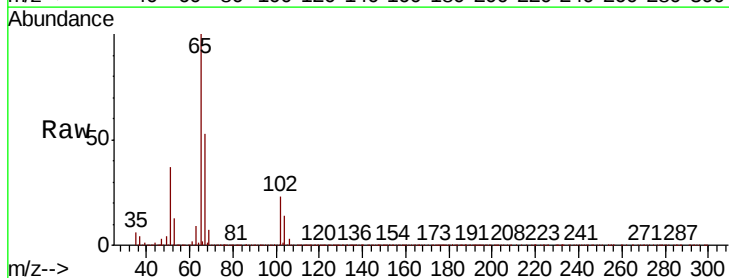
Tot Ion	Ratio	Lower	Upper
96	100		
61	121.8	0.0	288.0
98	67.6	0.0	129.6

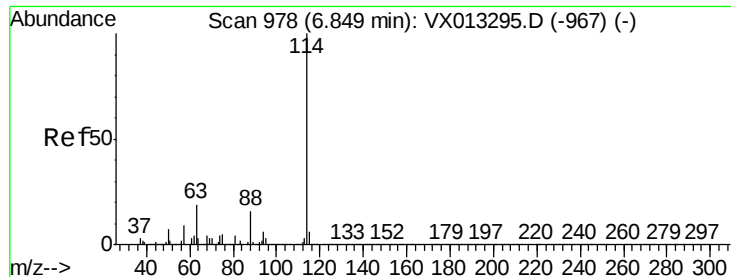


#33

1,2-Dichloroethane-d4
Concen: 48.373 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	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: VX013389.D

Acq: 12 Nov 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

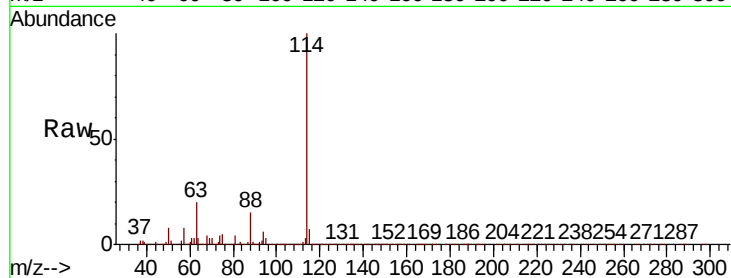
Tot Ion:114 Resp: 1233329

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

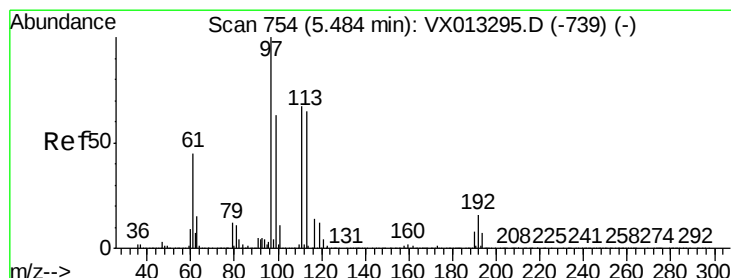
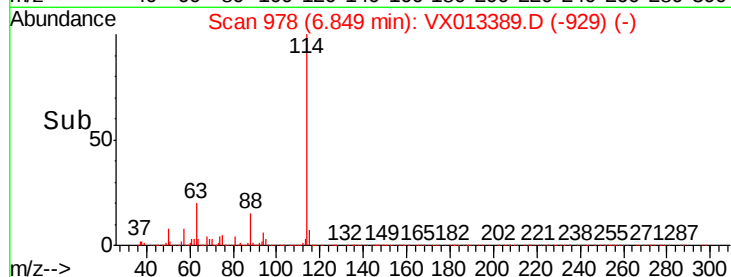
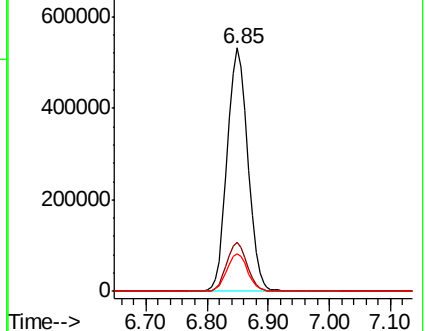
88 15.4 0.0 32.2



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



#35

Dibromofluoromethane

Concen: 47.746 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013389.D

Acq: 12 Nov 2019 16:51

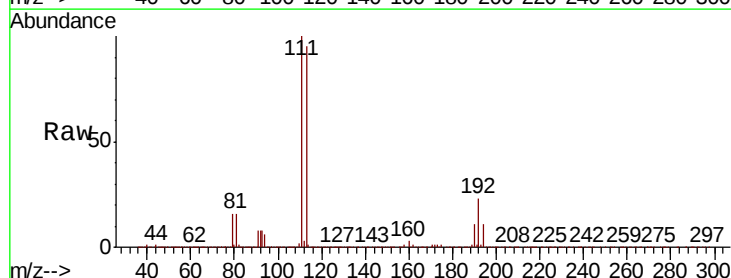
Tgt Ion:113 Resp: 369342

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

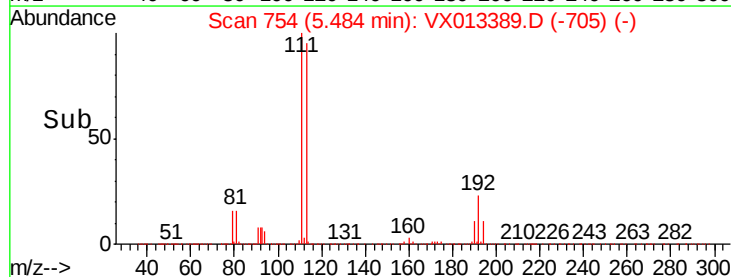
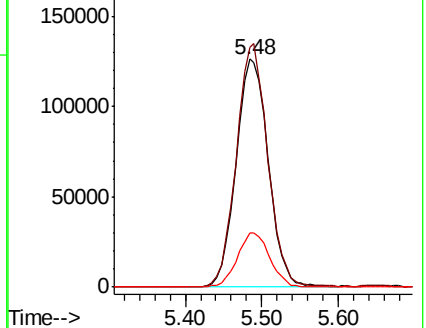
192 23.7 19.1 28.7

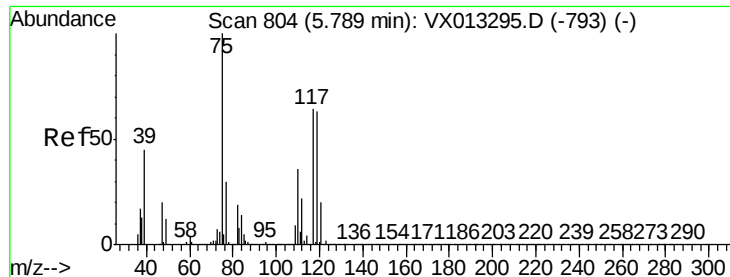


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

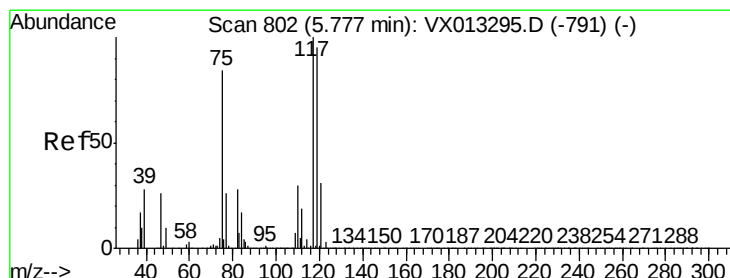
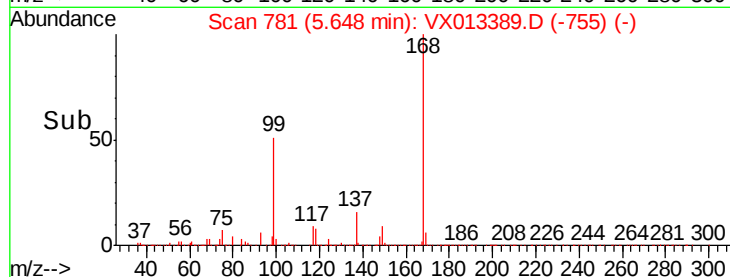
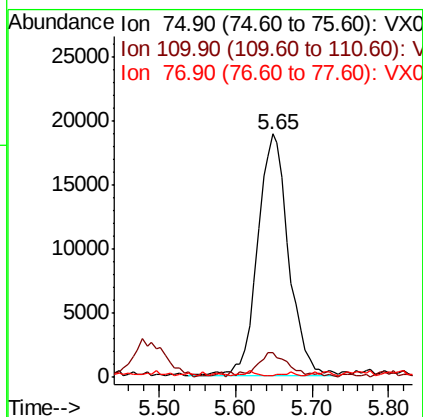
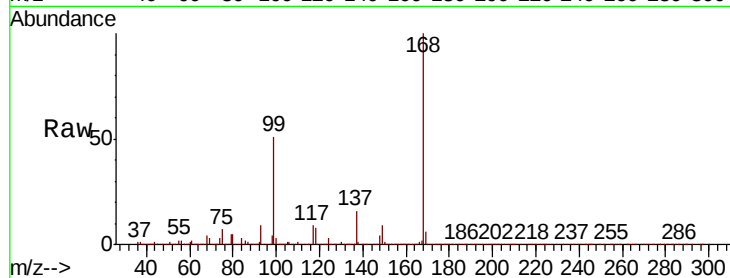




#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013389.D
 Acq: 12 Nov 2019 16:51

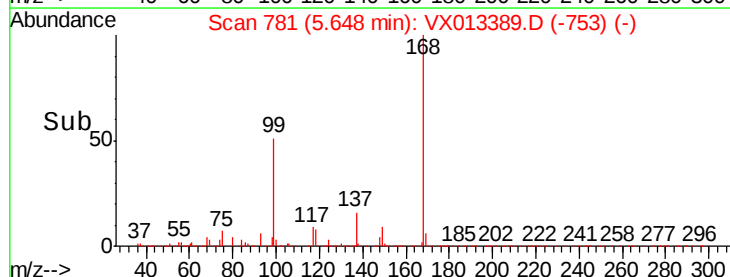
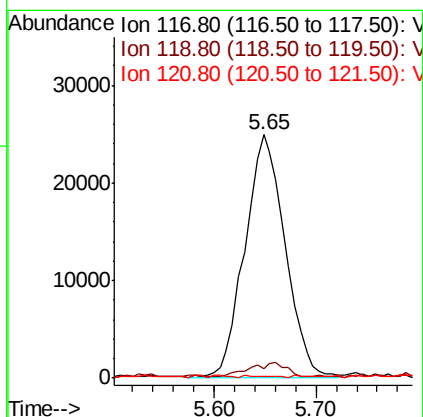
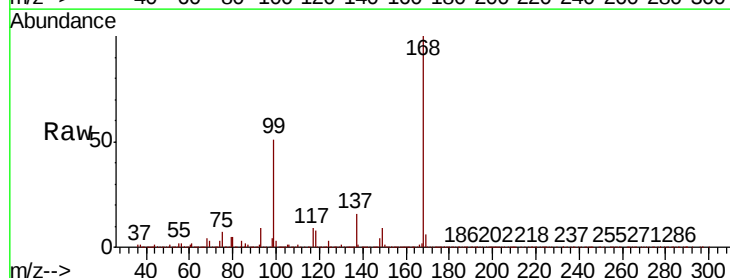
Instrument :
 MSVOA_X
 ClientSampled :

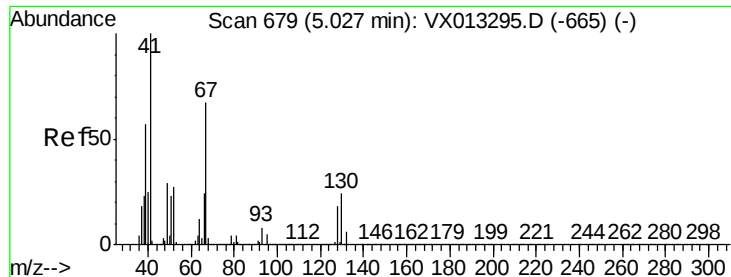
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.4	18.1	54.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.568 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013389.D
 Acq: 12 Nov 2019 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.1	76.1	114.1#
121	0.9	24.6	37.0#

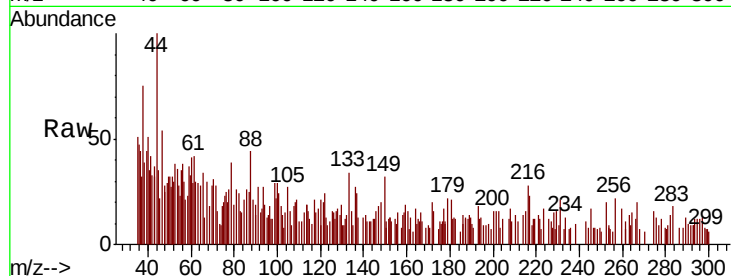




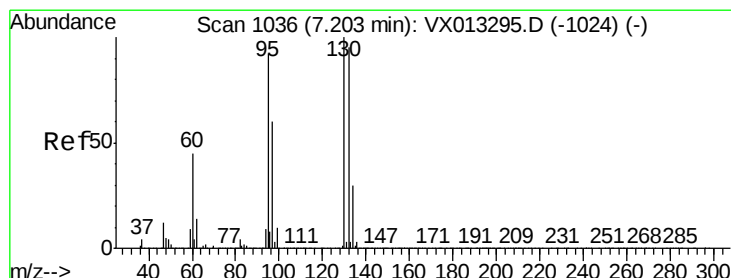
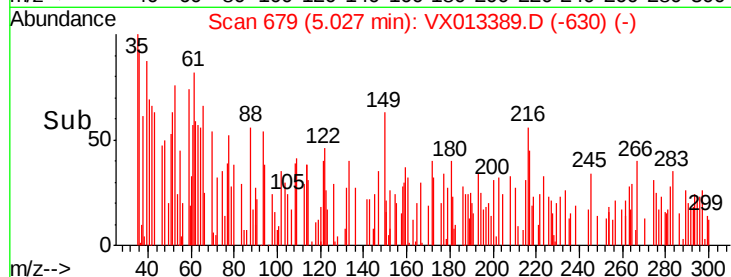
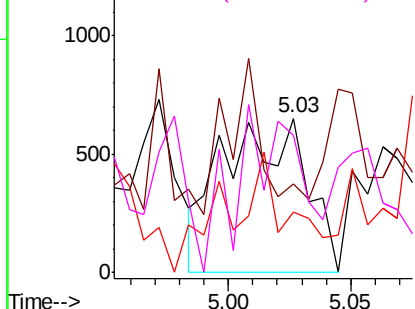
#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 1503
Ion Ratio Lower Upper
41 100
39 40.0 45.0 67.6#
67 33.9 55.4 83.2#
52 83.0 23.1 34.7#

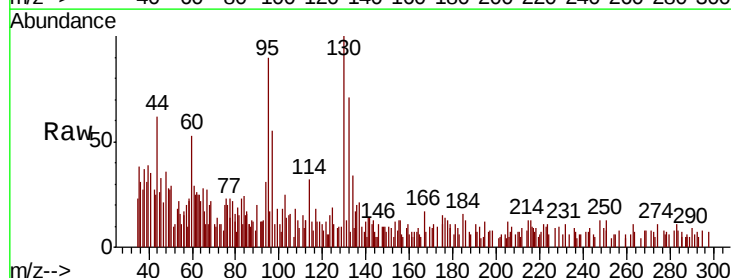


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

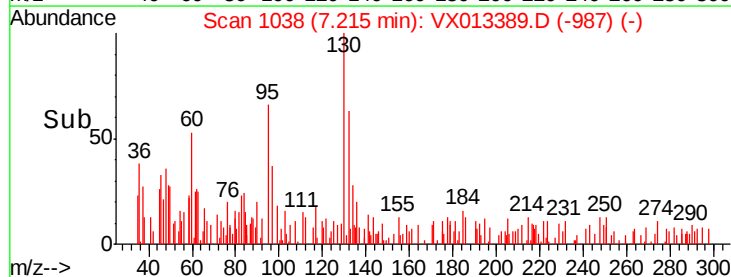
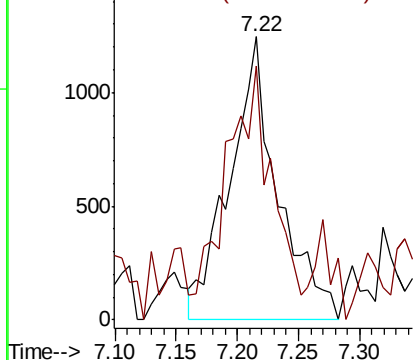


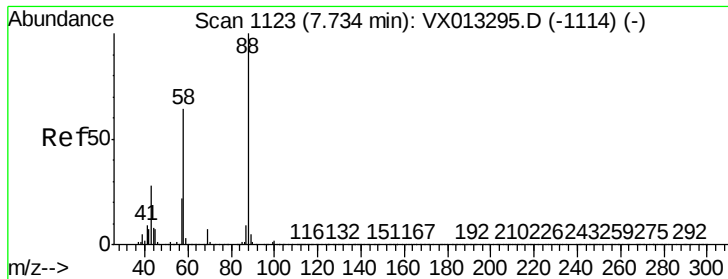
#44
Trichloroethene
Concen: 0.373 ug/l
RT: 7.22 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

Tgt Ion: 130 Resp: 3388
Ion Ratio Lower Upper
130 100
95 67.6 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.920 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

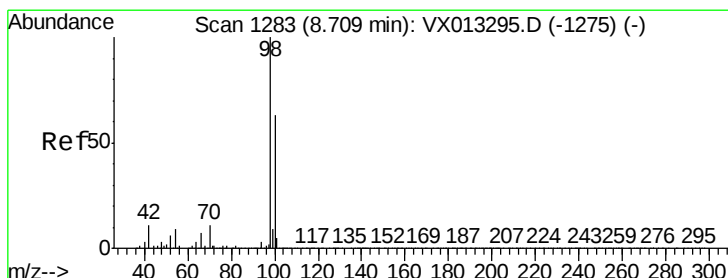
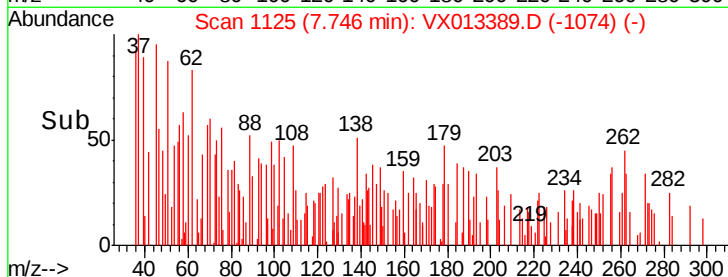
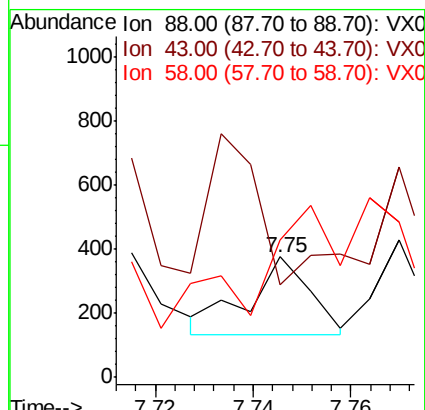
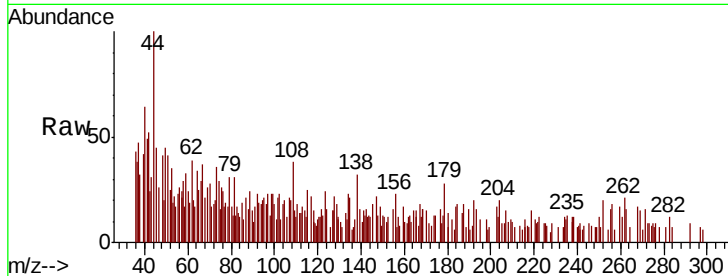
Lab File: VX013389.D

Acq: 12 Nov 2019 16:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 214

Ion	Ratio	Lower	Upper
88	100		
43	172.0	26.6	39.8#
58	63.1	55.0	82.6



#50

Toluene-d8

Concen: 50.023 ug/l

RT: 8.71 min Scan# 1283

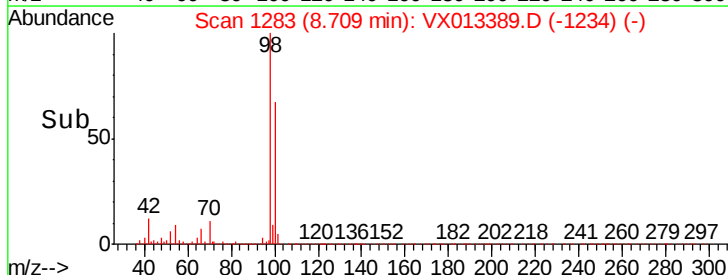
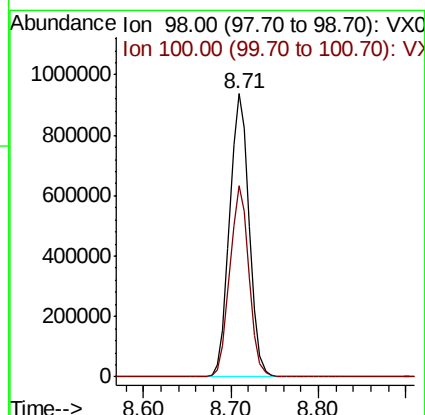
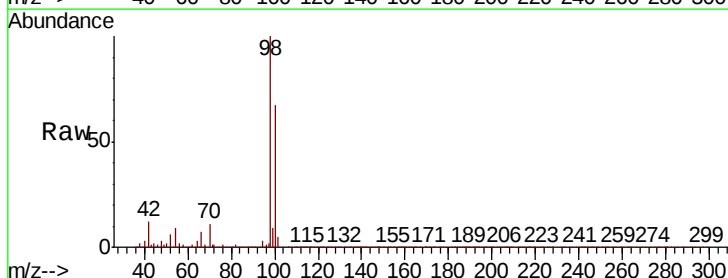
Delta R.T. -0.00 min

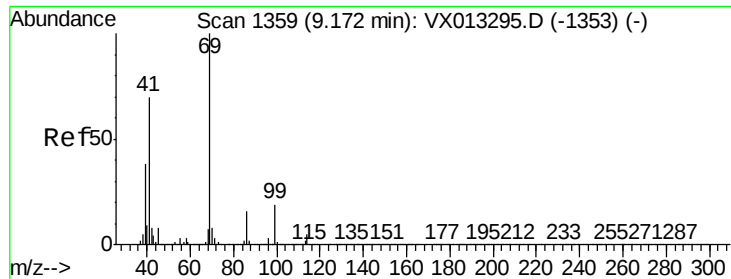
Lab File: VX013389.D

Acq: 12 Nov 2019 16:51

Tgt Ion: 98 Resp: 1458776

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.2

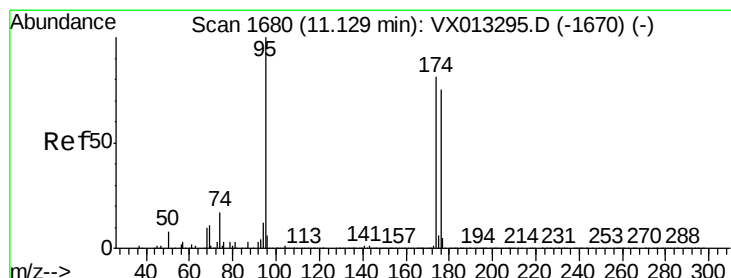
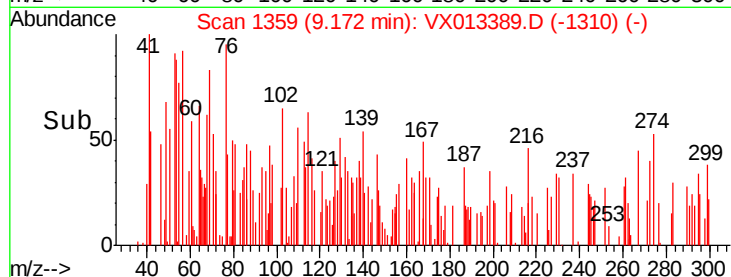
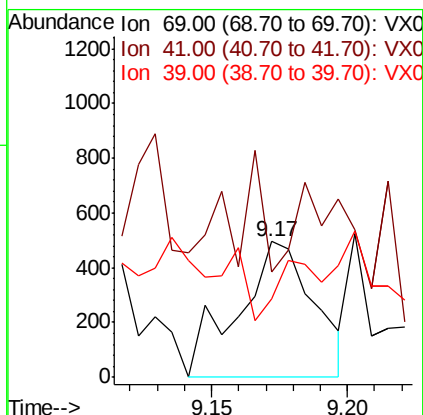
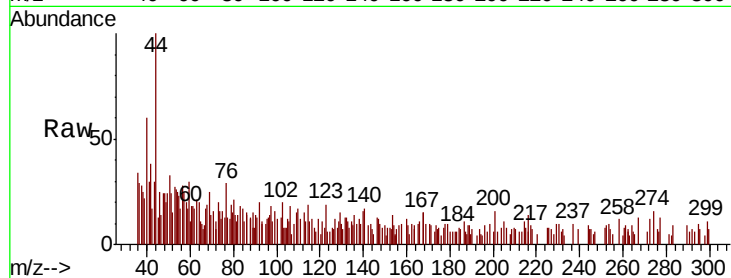




#56
Ethyl methacrylate
Concen: 1.627 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

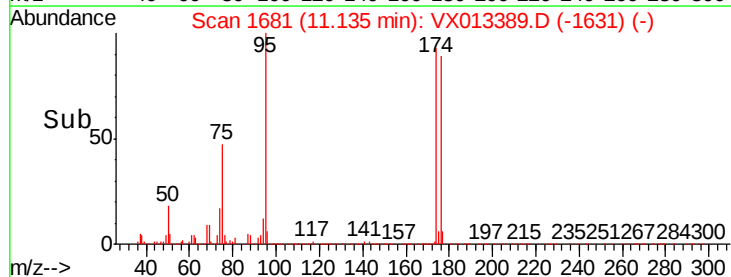
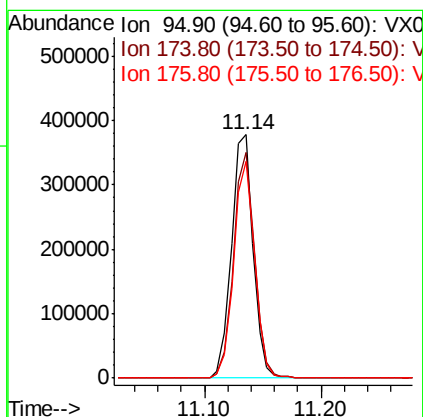
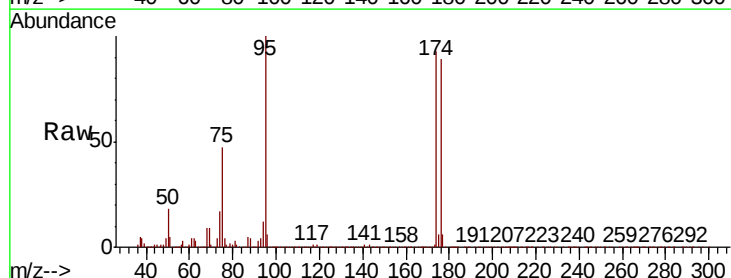
Instrument :
MSVOA_X
ClientSampled :

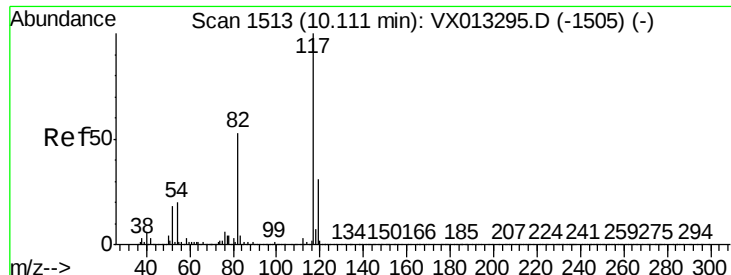
Tot Ion: 69 Resp: 958
Ion Ratio Lower Upper
69 100
41 53.1 56.2 84.2#
39 12.5 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 46.631 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

Tgt Ion: 95 Resp: 490782
Ion Ratio Lower Upper
95 100
174 90.8 0.0 179.8
176 87.0 0.0 173.0

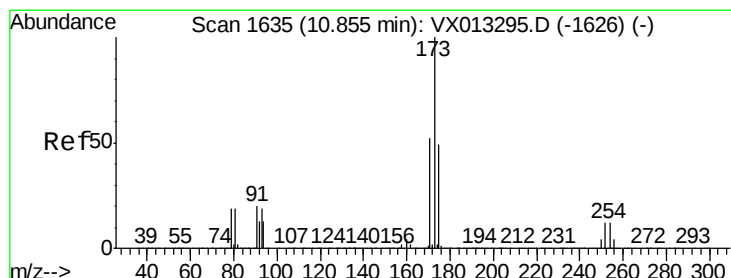
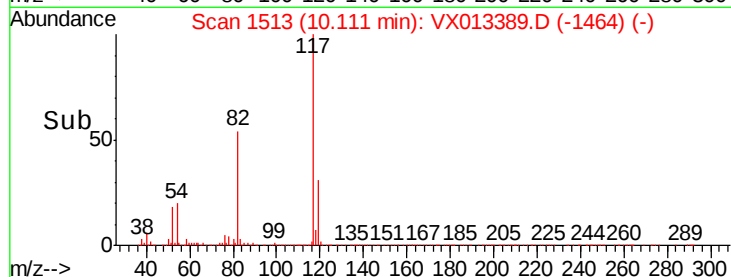
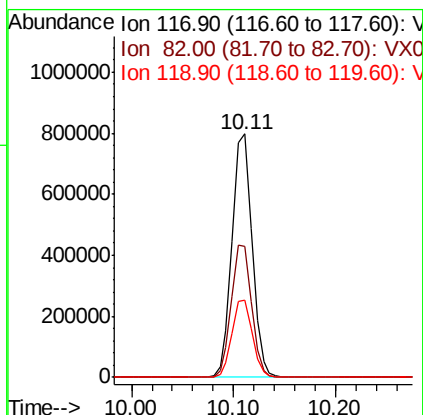
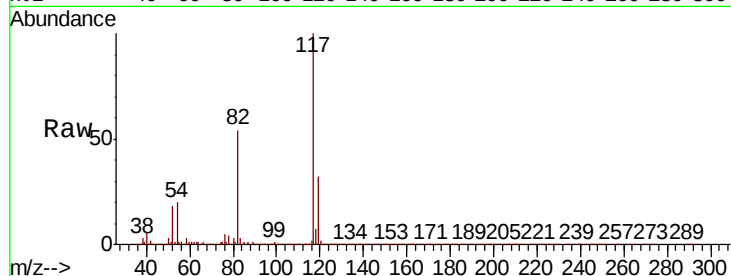




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

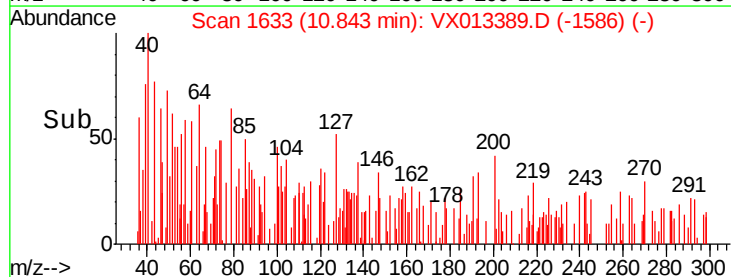
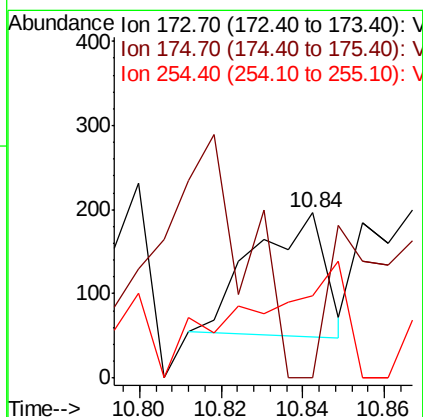
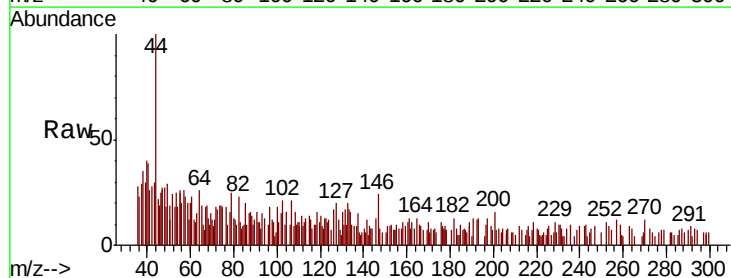
Instrument :
MSVOA_X
ClientSampleId :

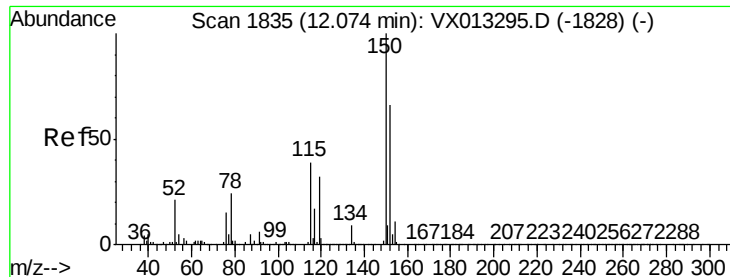
Tot Ion:117 Resp: 1084530
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 31.5 24.8 37.2



#71
Bromoform
Concen: 3.225 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

Tgt Ion:173 Resp: 176
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 127.8 0.2 0.2#



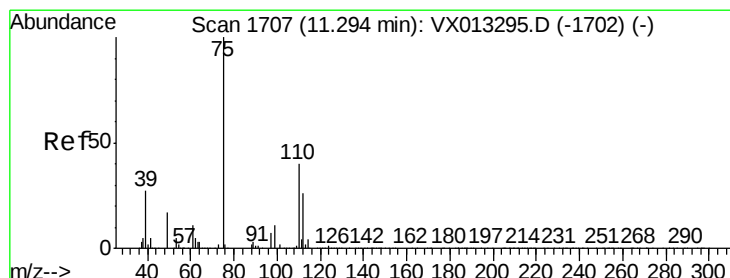
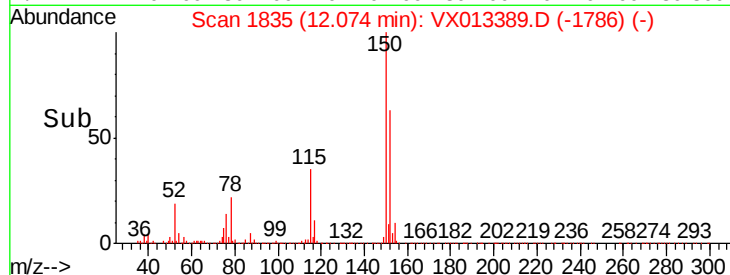
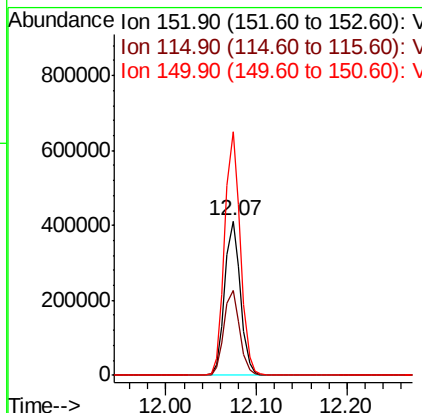
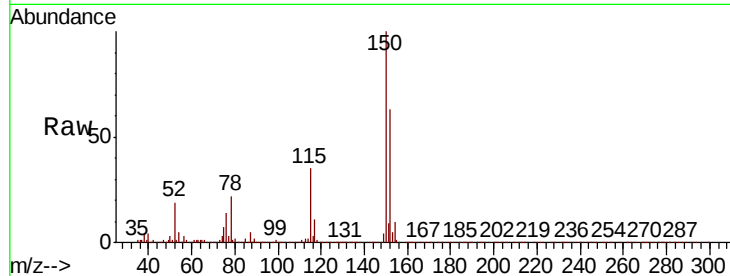


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

Instrument :
MSVOA_X
ClientSampleId :

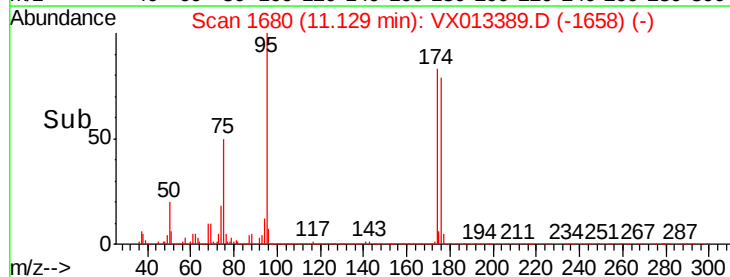
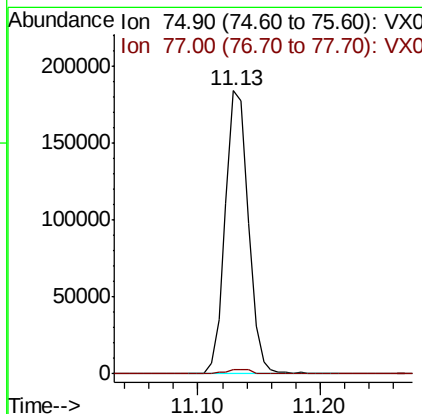
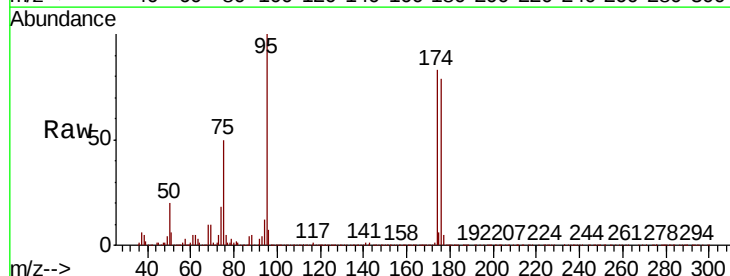
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	39.5	118.3
150	157.6	0.0	344.4

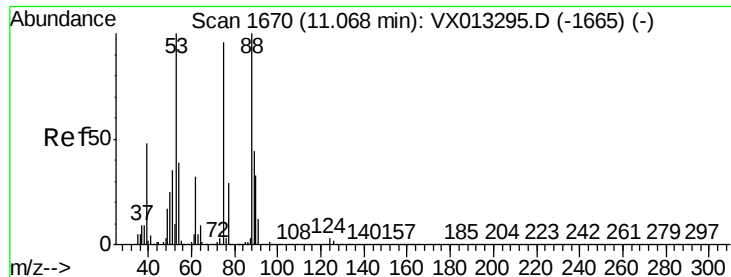


#76

1,2,3-Trichloropropane
Concen: 23.854 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013389.D
Acq: 12 Nov 2019 16:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.9	22.3	66.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.400 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013389.D

Acq: 12 Nov 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 240111

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.6#

89 0.2 36.0 54.0#

