

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012820\
 Data File : VX014752.D
 Acq On : 28 Jan 2020 15:53
 Operator : JC/SP
 Sample : L1285-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 23:20:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

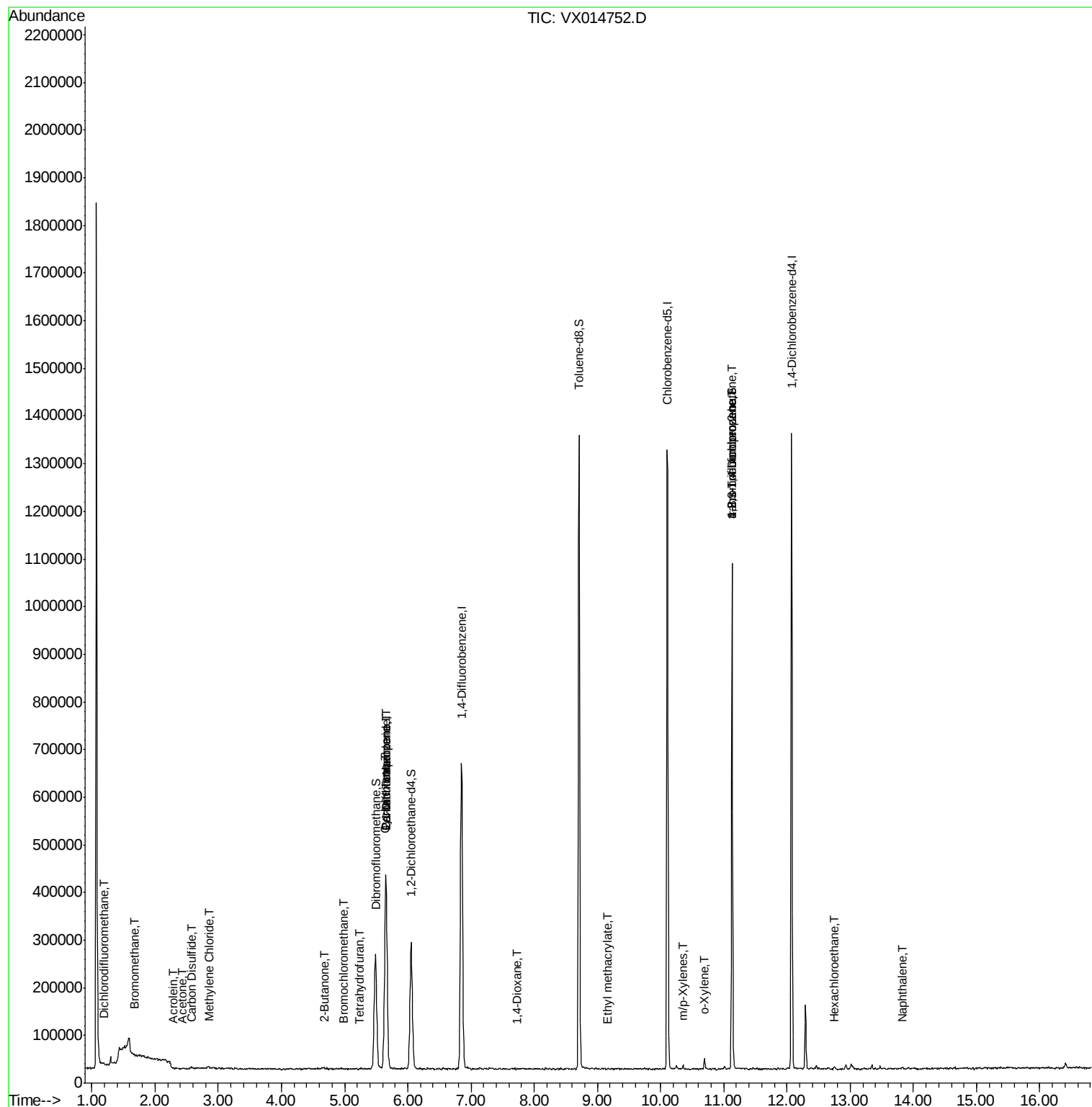
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	423248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	662822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	619449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	282508	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	244573	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	5.49	113	205059	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	8.71	98	789457	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.13	95	272072	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	235	0.572	ug/l #	55
5) Bromomethane	1.66	94	1086	0.258	ug/l #	29
6) Chloroethane	1.93	64	2987	Below Cal	#	43
13) Acrolein	2.28	56	699	0.799	ug/l	85
16) Acetone	2.43	43	2207	0.965	ug/l #	87
17) Carbon Disulfide	2.58	76	5067	0.441	ug/l	98
20) Methylene Chloride	2.84	84	1522	0.304	ug/l #	87
25) 2-Butanone	4.67	43	1297	0.334	ug/l	97
28) Bromochloromethane	5.00	49	854	0.238	ug/l #	50
29) Tetrahydrofuran	5.22	42	475	0.206	ug/l	96
31) Cyclohexane	5.64	56	8213	1.069	ug/l #	24
36) 1,1-Dichloropropene	5.65	75	30424	4.940	ug/l #	51
38) Carbon Tetrachloride	5.65	117	35069	5.962	ug/l #	17
41) Methacrylonitrile	5.00	41	154	Below Cal	#	5
49) 1,4-Dioxane	7.73	88	398	3.402	ug/l #	1
56) Ethyl methacrylate	9.17	69	225	1.811	ug/l #	68
68) m/p-Xylenes	10.36	106	2201	0.257	ug/l #	69
69) o-Xylene	10.70	106	5953	0.719	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	135148	20.562	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	135148	58.515	ug/l #	10
90) Hexachloroethane	12.75	117	2692	0.826	ug/l #	7
95) Naphthalene	13.83	128	3390	1.100	ug/l #	85

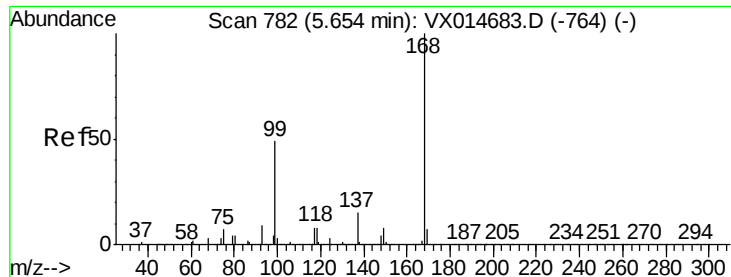
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

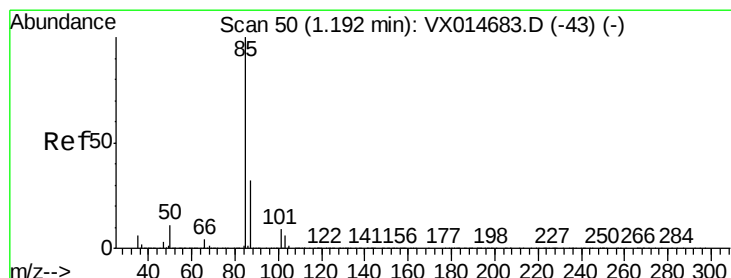
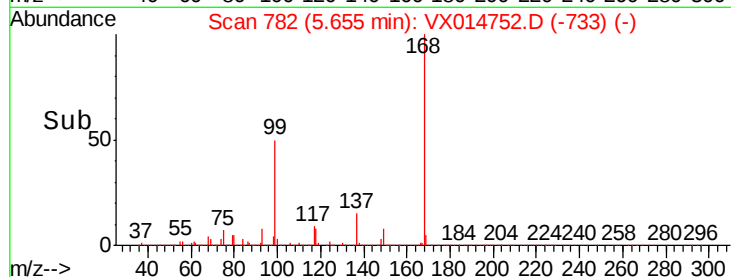
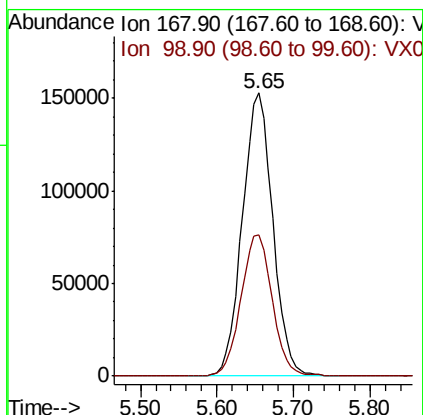
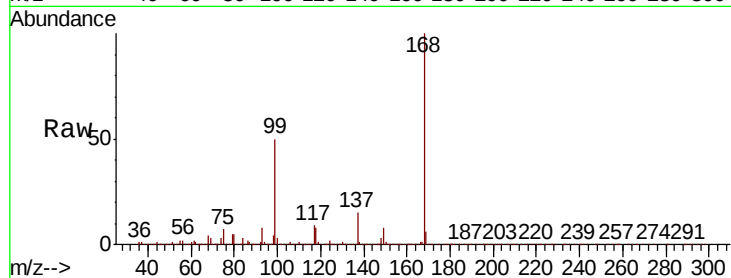




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX014752.D
Acq: 28 Jan 2020 15:53

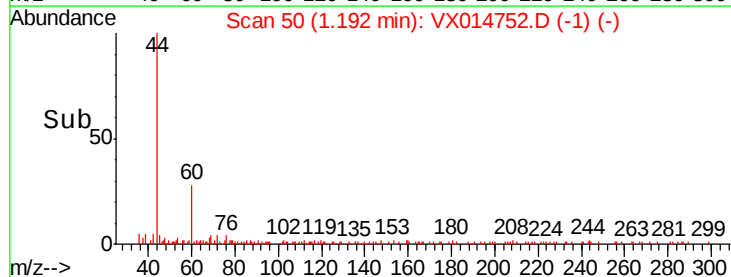
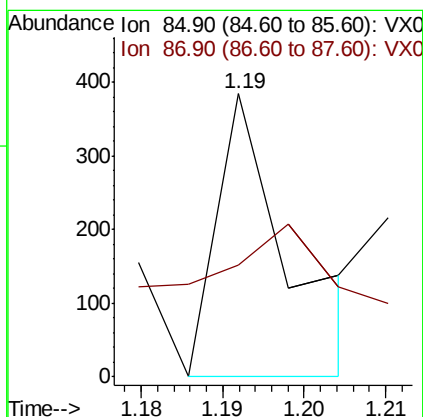
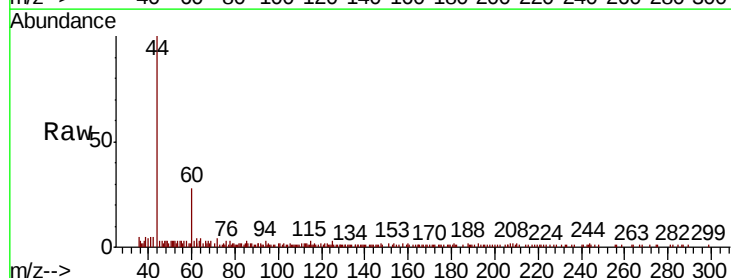
Instrument :
MSVOA_X
ClientSampleId :

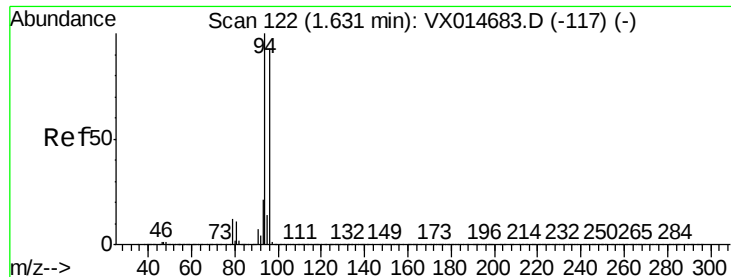
Tot Ion:168 Resp: 423248
Ion Ratio Lower Upper
168 100
99 50.0 39.8 59.6



#2
Dichlorodifluoromethane
Concen: 0.572 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014752.D
Acq: 28 Jan 2020 15:53

Tgt Ion: 85 Resp: 235
Ion Ratio Lower Upper
85 100
87 7.1 16.2 48.5#





#5

Bromomethane

Concen: 0.258 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.03 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Instrument :

MSVOA_X

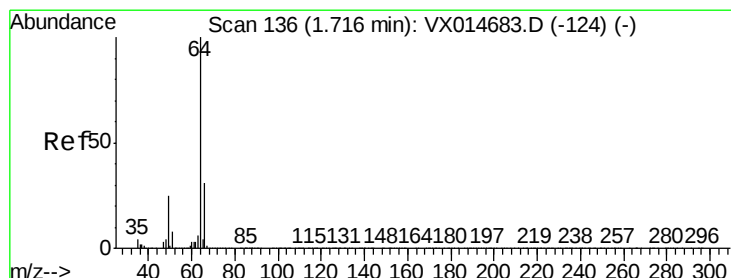
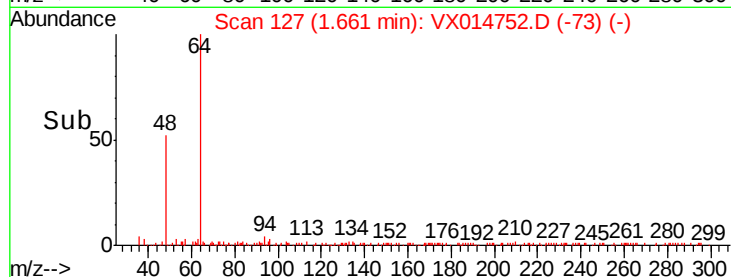
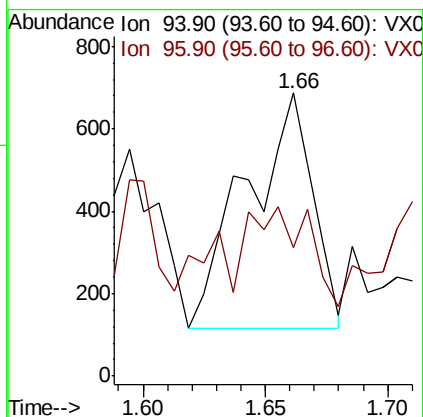
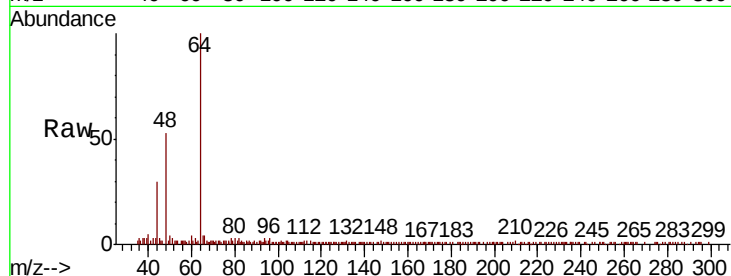
ClientSampleId :

Tot Ion: 94 Resp: 1086

Ion Ratio Lower Upper

94 100

96 24.9 74.7 112.1#



#6

Chloroethane

Concen: Below Cal

RT: 1.93 min Scan# 171

Delta R.T. 0.21 min

Lab File: VX014752.D

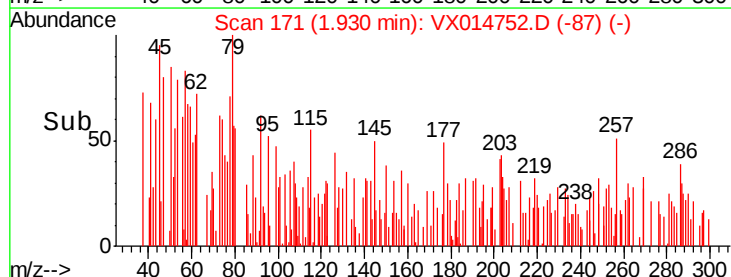
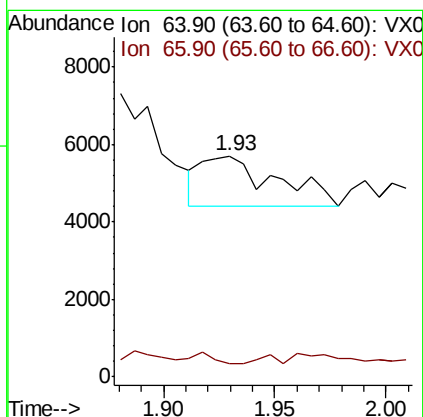
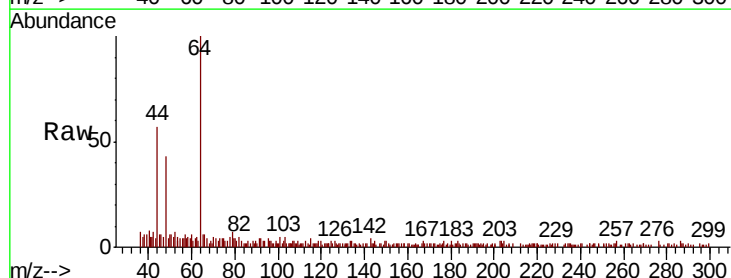
Acq: 28 Jan 2020 15:53

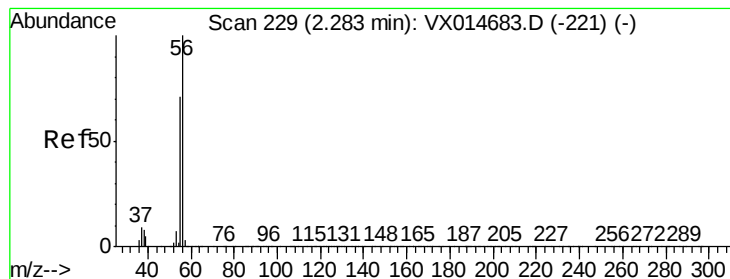
Tgt Ion: 64 Resp: 2987

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#





#13

Acrolein

Concen: 0.799 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

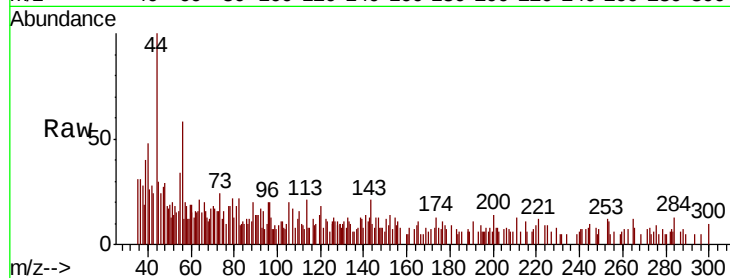
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 699

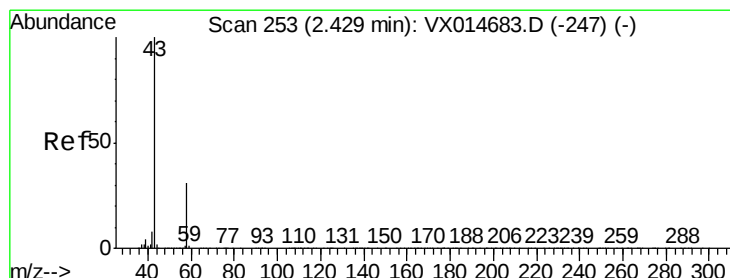
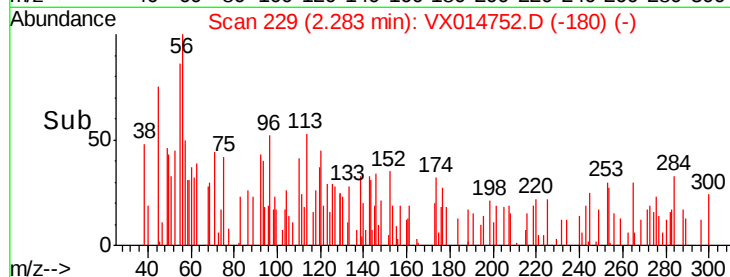
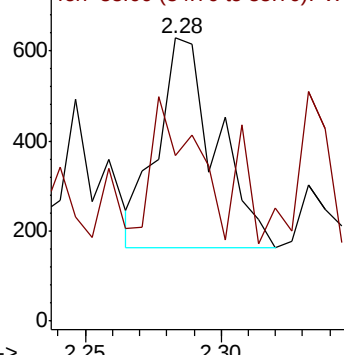
Ion Ratio Lower Upper

56 100

55 58.1 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.965 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014752.D

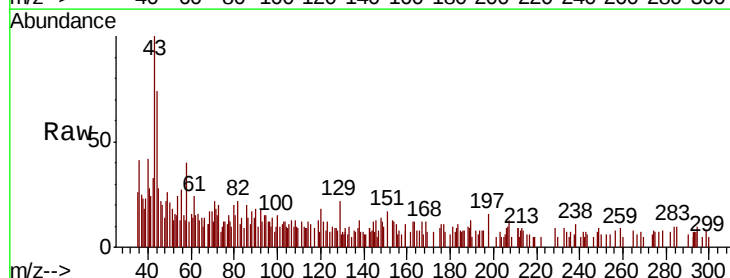
Acq: 28 Jan 2020 15:53

Tgt Ion: 43 Resp: 2207

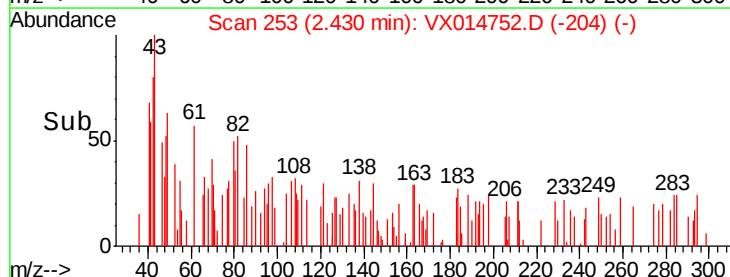
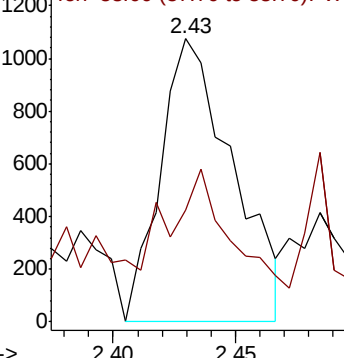
Ion Ratio Lower Upper

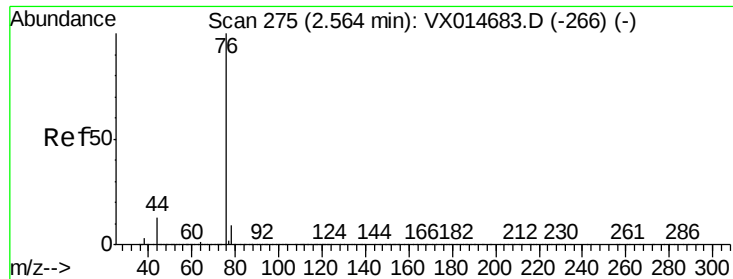
43 100

58 23.3 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

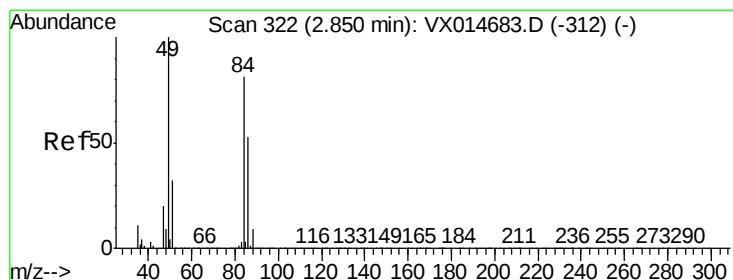
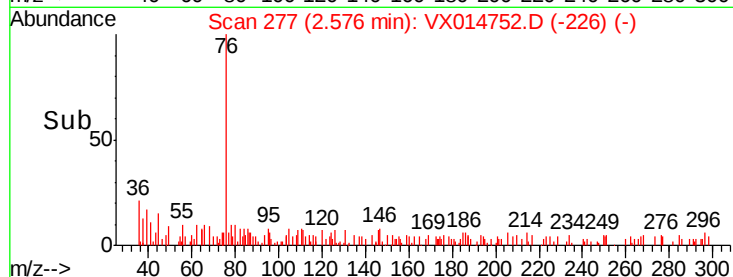
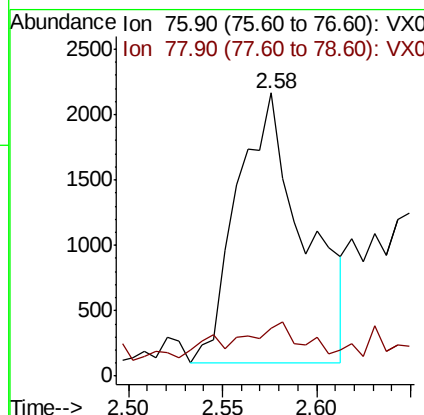
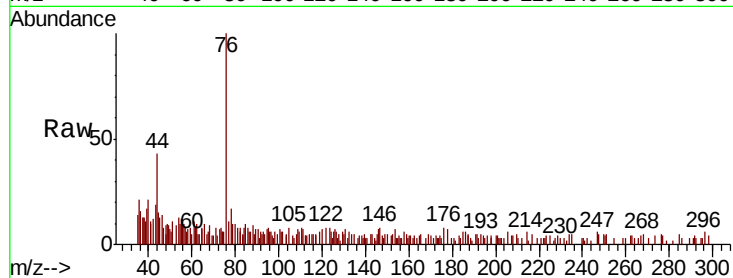




#17
Carbon Disulfide
Concen: 0.441 ug/l
RT: 2.58 min Scan# 277
Delta R.T. 0.01 min
Lab File: VX014752.D
Acq: 28 Jan 2020 15:53

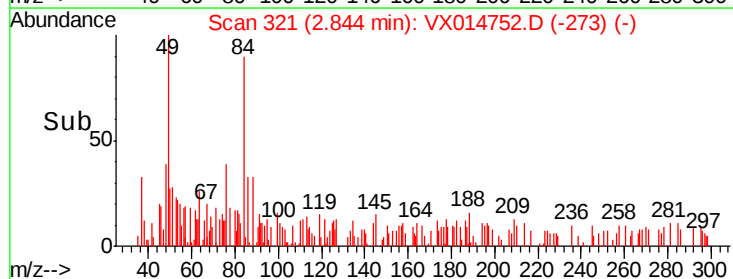
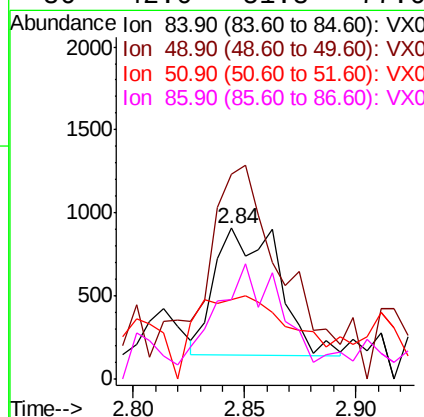
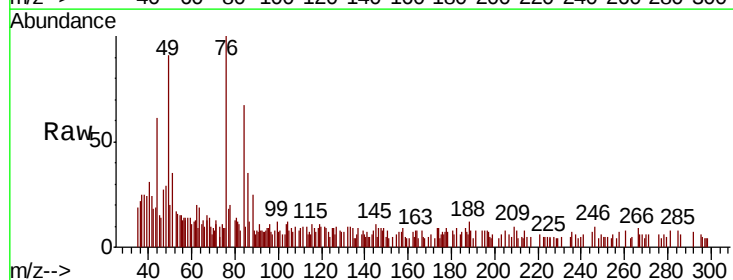
Instrument :
MSVOA_X
ClientSampleId :

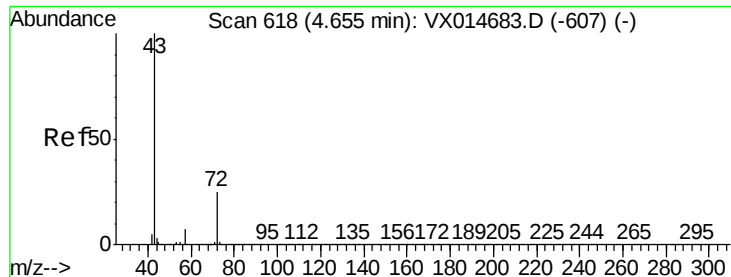
Tot Ion: 76 Resp: 5067
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8



#20
Methylene Chloride
Concen: 0.304 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014752.D
Acq: 28 Jan 2020 15:53

Tgt Ion: 84 Resp: 1522
Ion Ratio Lower Upper
84 100
49 117.8 98.2 147.4
51 30.5 31.3 46.9#
86 42.0 51.8 77.6#





#25

2-Butanone

Concen: 0.334 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Instrument :

MSVOA_X

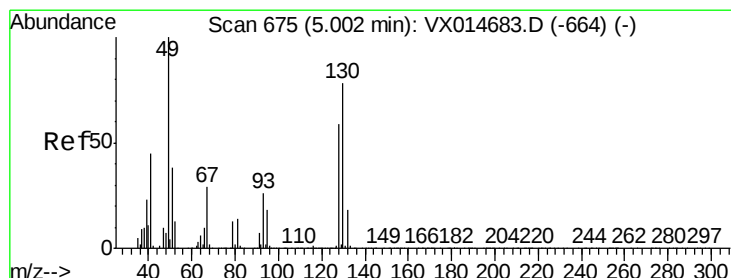
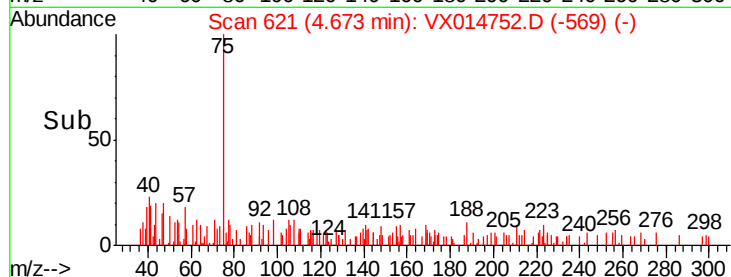
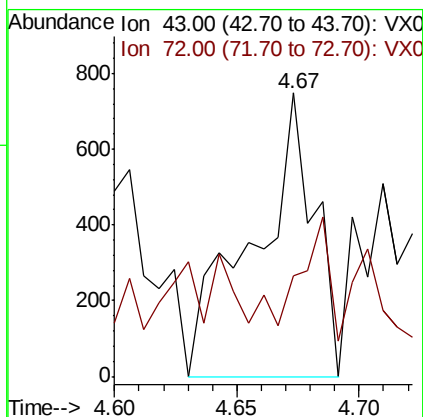
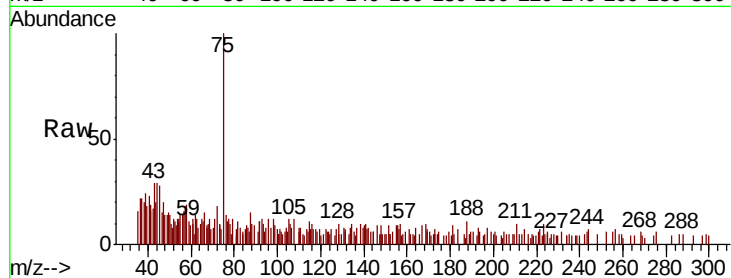
ClientSampled :

Tot Ion: 43 Resp: 1297

Ion Ratio Lower Upper

43 100

72 23.4 19.9 29.9



#28

Bromochloromethane

Concen: 0.238 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

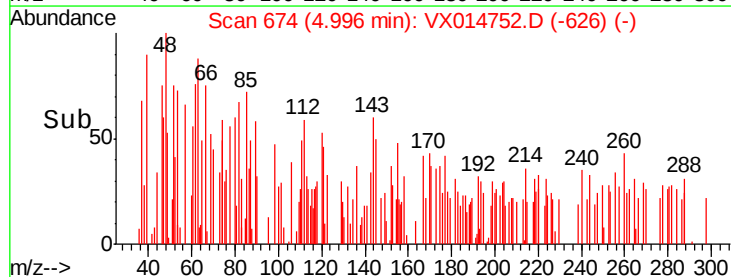
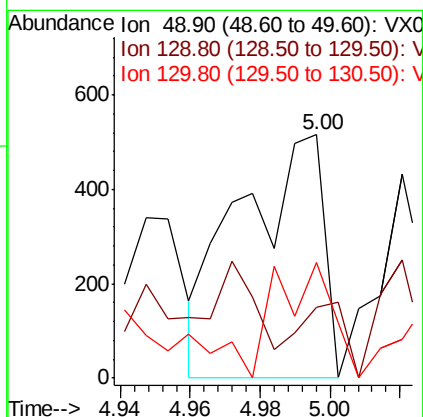
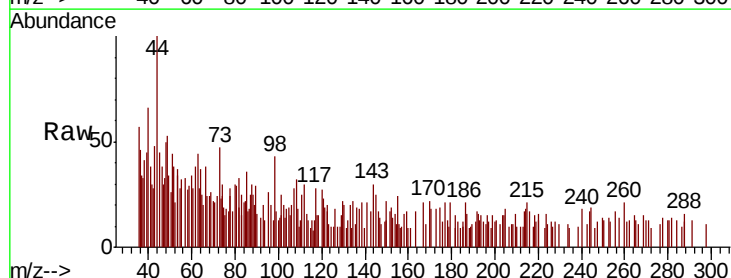
Tgt Ion: 49 Resp: 854

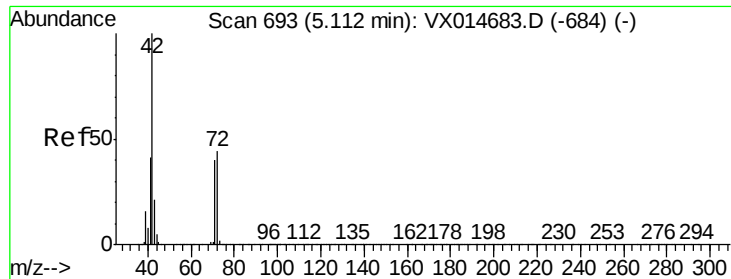
Ion Ratio Lower Upper

49 100

129 17.4 0.0 4.8#

130 34.7 62.4 93.6#





#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 5.22 min Scan# 711

Delta R.T. 0.11 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

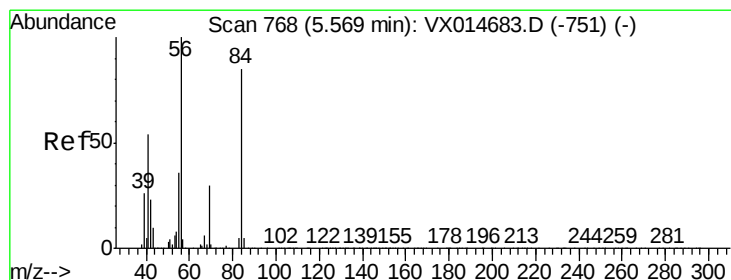
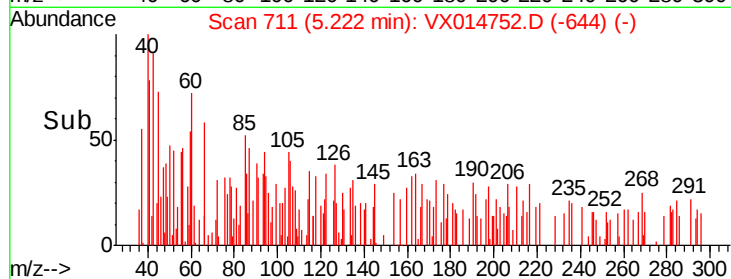
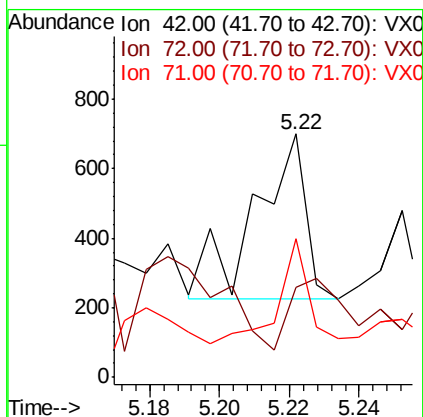
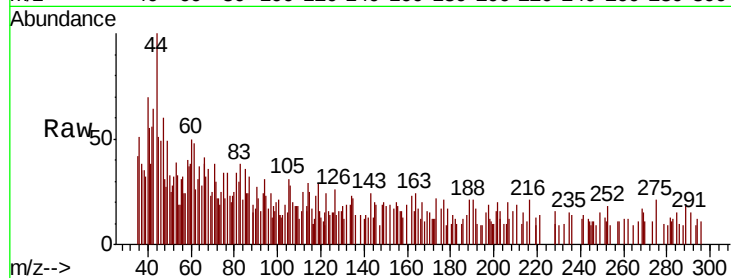
Tot Ion: 42 Resp: 475

Ion Ratio Lower Upper

42 100

72 45.7 35.3 52.9

71 37.7 33.1 49.7



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

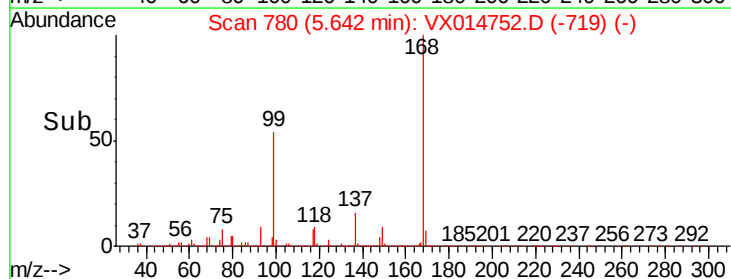
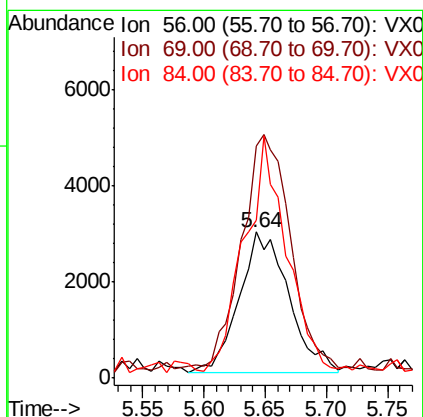
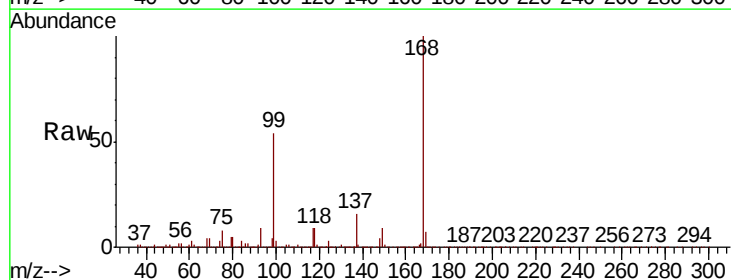
Tgt Ion: 56 Resp: 8213

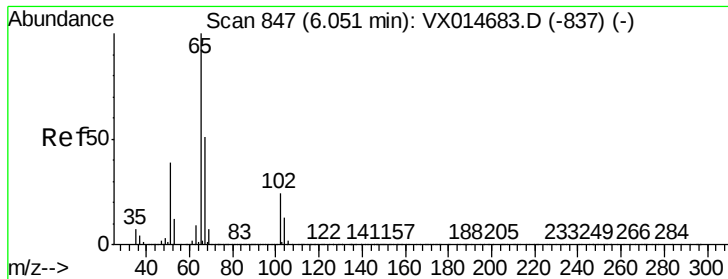
Ion Ratio Lower Upper

56 100

69 158.1 23.4 35.2#

84 103.1 68.4 102.6#

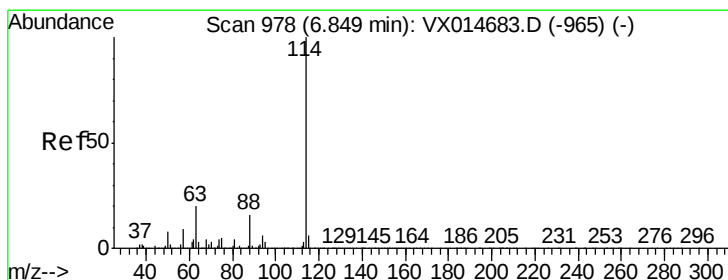
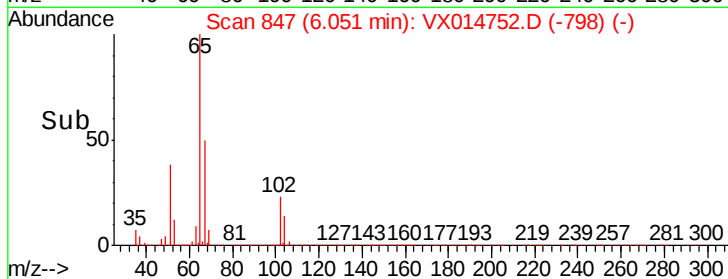
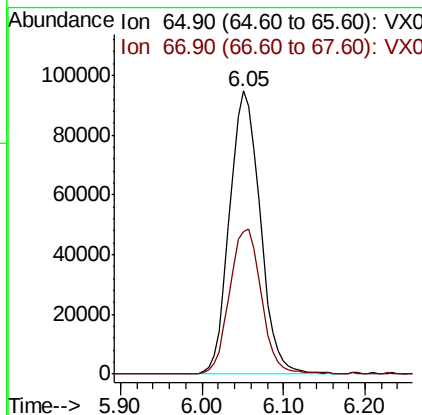
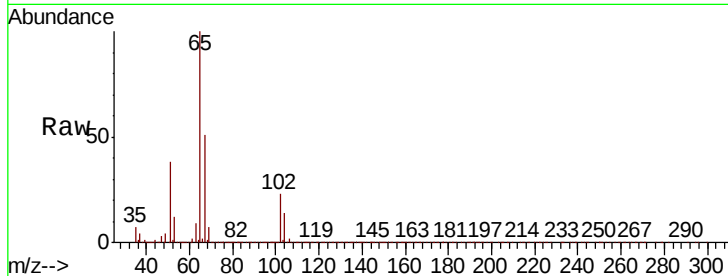




#33
 1,2-Dichloroethane-d4
 Concen: 49.483 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014752.D
 Acq: 28 Jan 2020 15:53

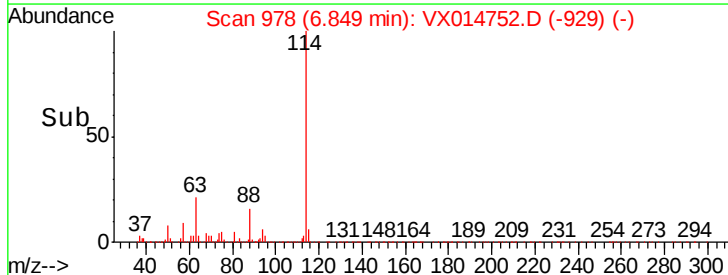
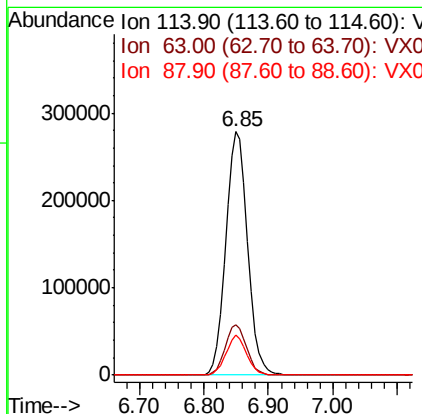
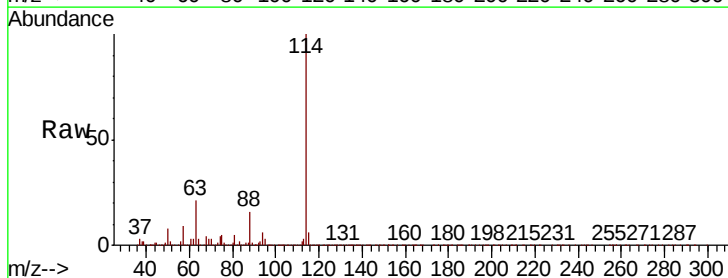
Instrument :
 MSVOA_X
 ClientSampled :

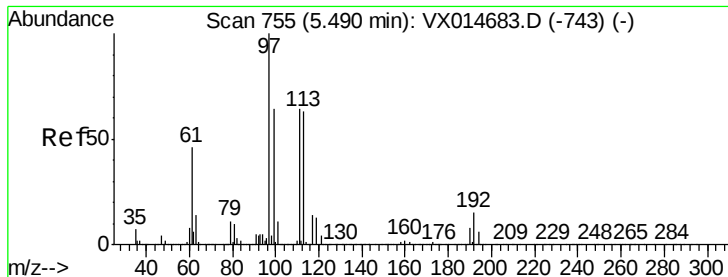
Tot Ion: 65 Resp: 244573
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014752.D
 Acq: 28 Jan 2020 15:53

Tgt Ion: 114 Resp: 662822
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.6
 88 16.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.030 ug/l

RT: 5.49 min Scan# 755

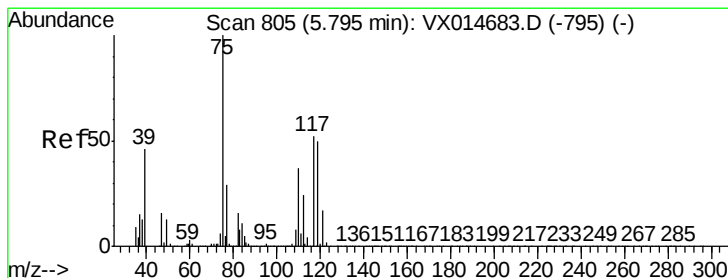
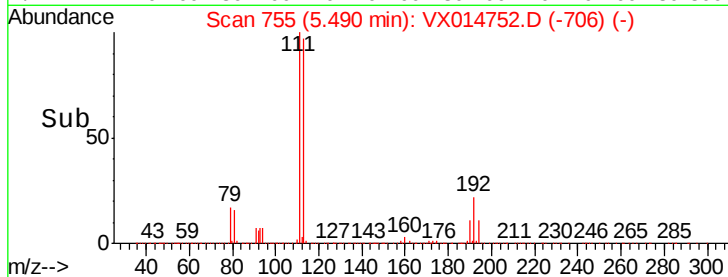
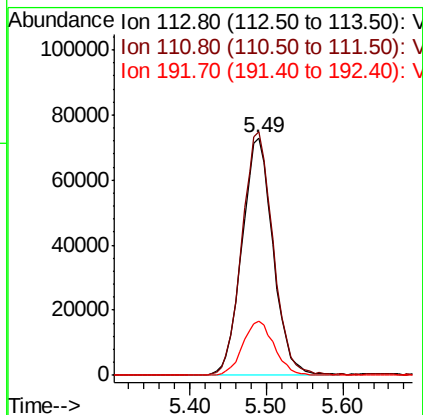
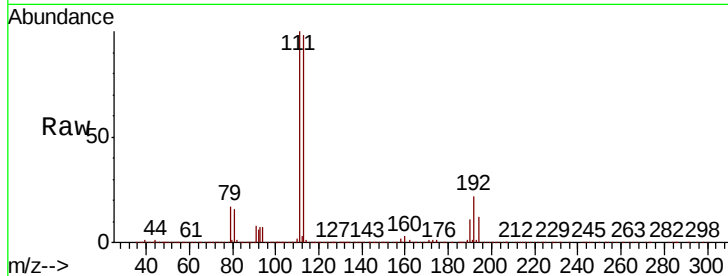
Delta R.T. 0.00 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	205059
Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.7	121.1
192	23.5	18.5	27.7



#36

1,1-Dichloropropene

Concen: 4.940 ug/l

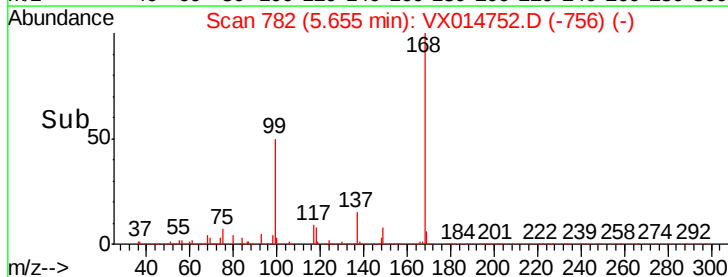
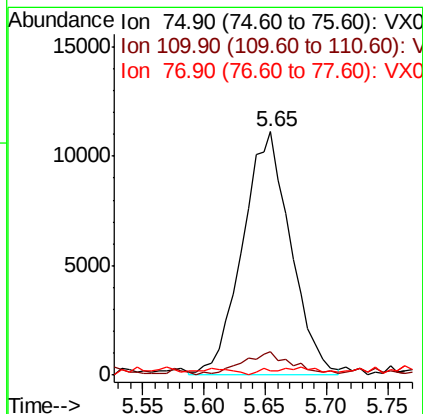
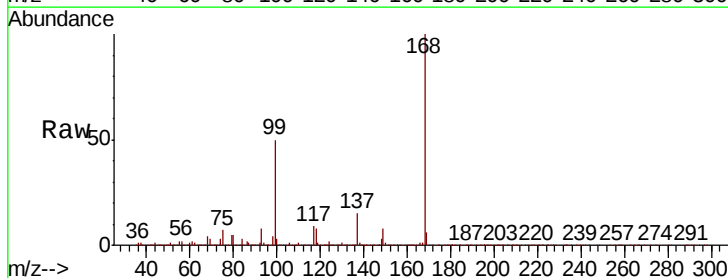
RT: 5.65 min Scan# 782

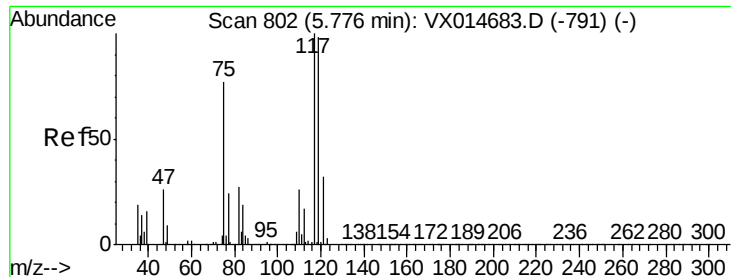
Delta R.T. -0.14 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Tgt Ion:	75	Resp:	30424
Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.9	53.7#
77	0.7	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 5.962 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

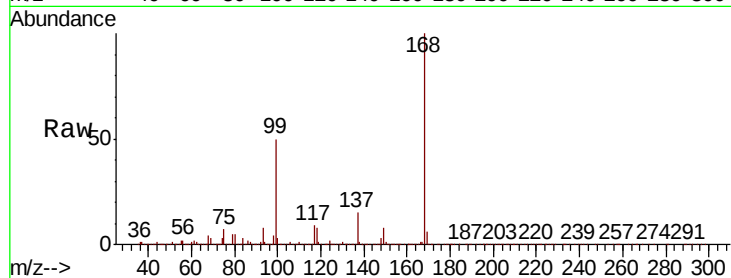
Tot Ion:117 Resp: 35069

Ion Ratio Lower Upper

117 100

119 7.0 77.9 116.9#

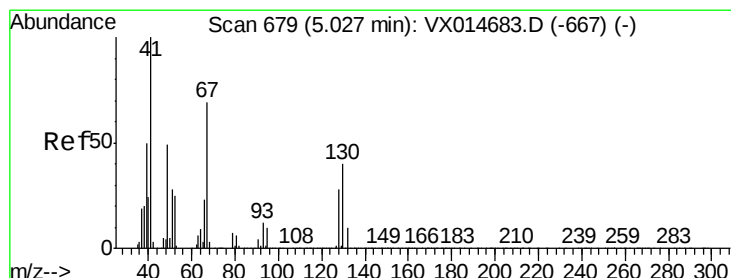
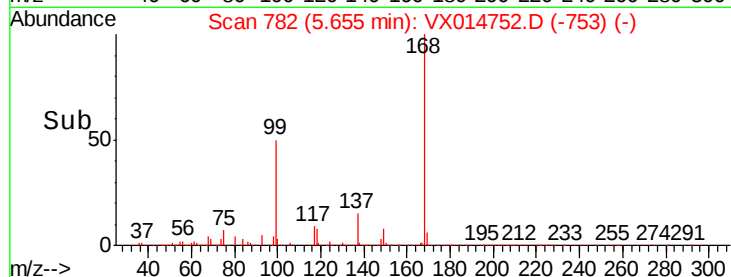
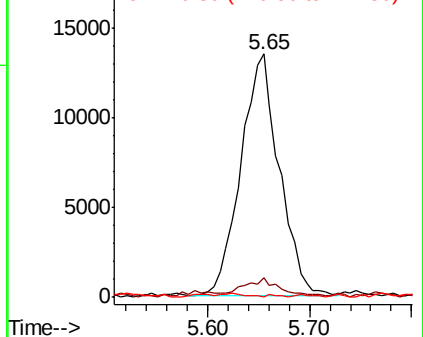
121 0.0 25.4 38.2#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.00 min Scan# 675

Delta R.T. -0.02 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Tgt Ion: 41 Resp: 154

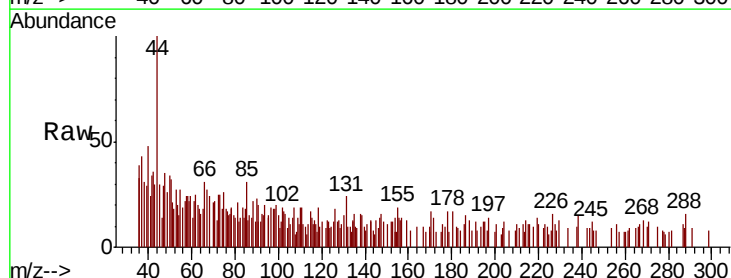
Ion Ratio Lower Upper

41 100

39 76.0 42.2 63.2#

67 0.0 55.4 83.0#

52 153.9 22.1 33.1#

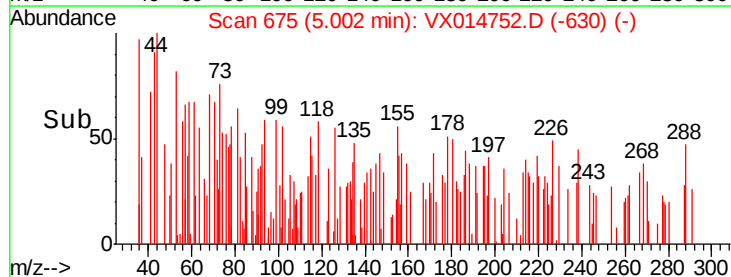
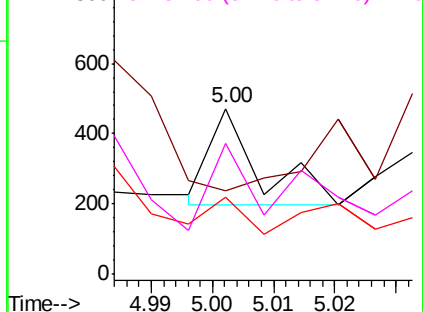


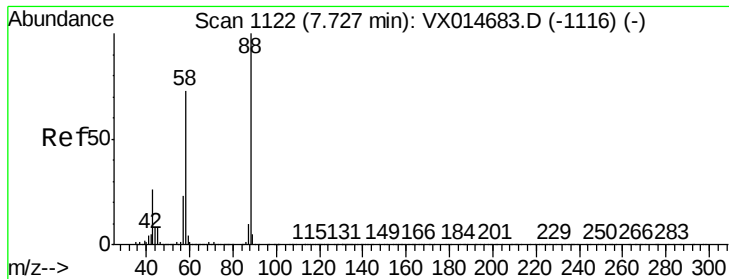
Abundance Ion 41.00 (40.70 to 41.70): VX0

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





#49

1,4-Dioxane

Concen: 3.402 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :

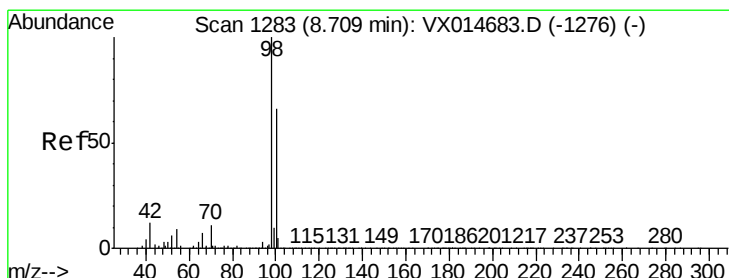
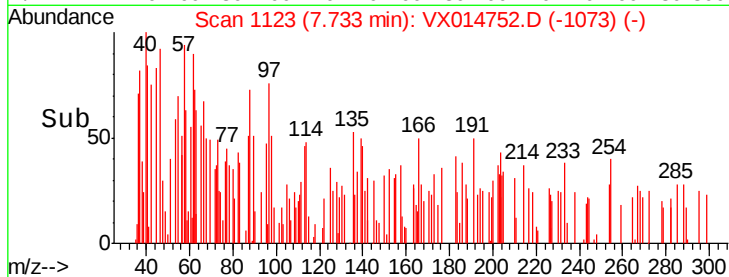
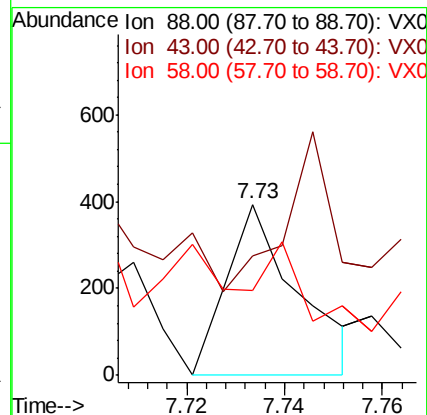
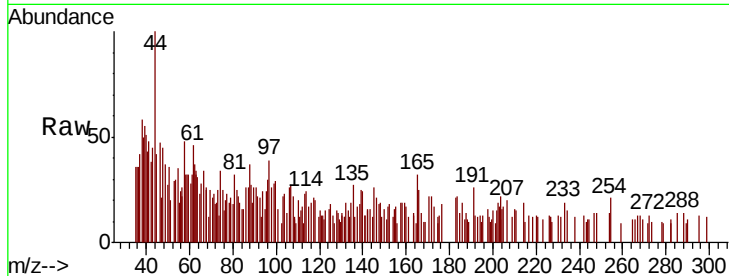
Tot Ion: 88 Resp: 398

Ion Ratio Lower Upper

88 100

43 151.0 26.2 39.2#

58 0.0 56.6 85.0#



#50

Toluene-d8

Concen: 49.100 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014752.D

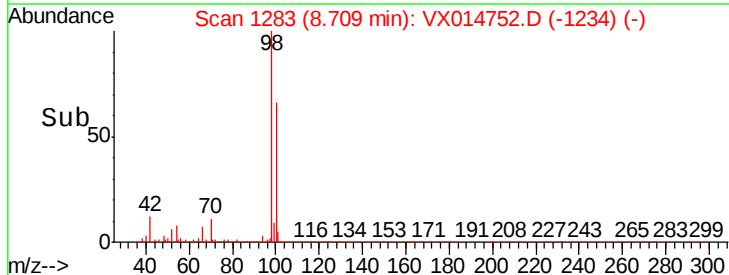
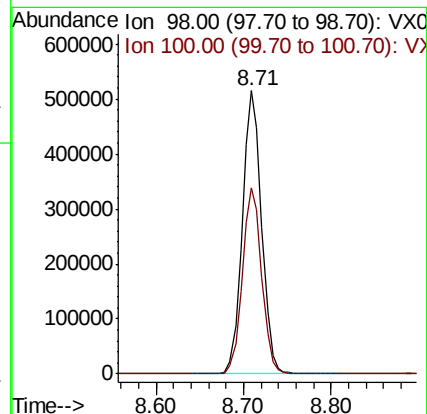
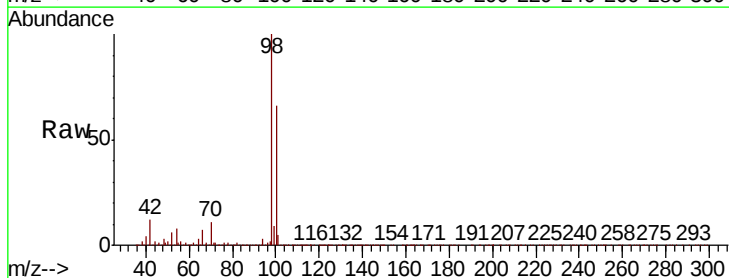
Acq: 28 Jan 2020 15:53

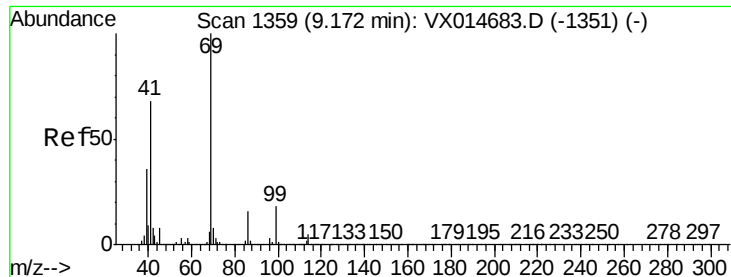
Tgt Ion: 98 Resp: 789457

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.6





#56

Ethyl methacrylate

Concen: 1.811 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :

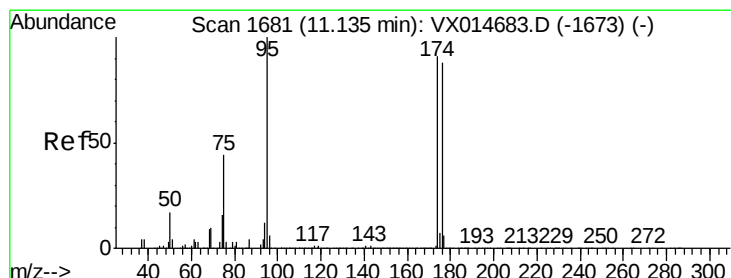
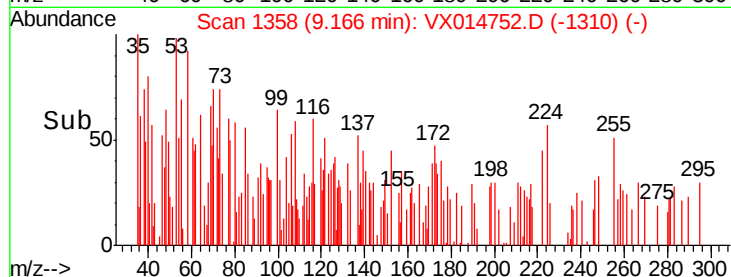
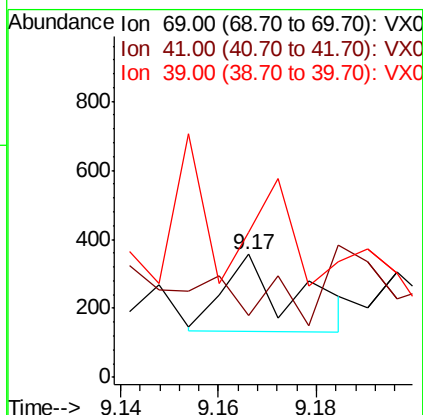
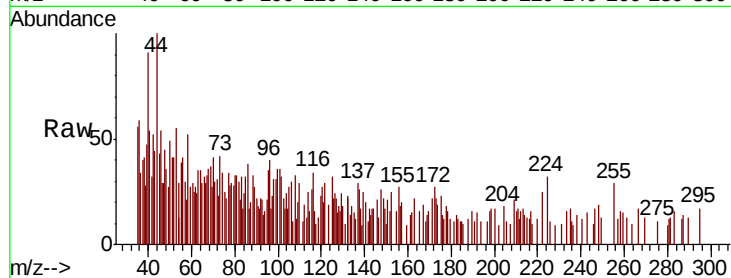
Tot Ion: 69 Resp: 225

Ion Ratio Lower Upper

69 100

41 81.8 54.9 82.3

39 0.0 29.3 43.9#



#62

4-Bromofluorobenzene

Concen: 47.502 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

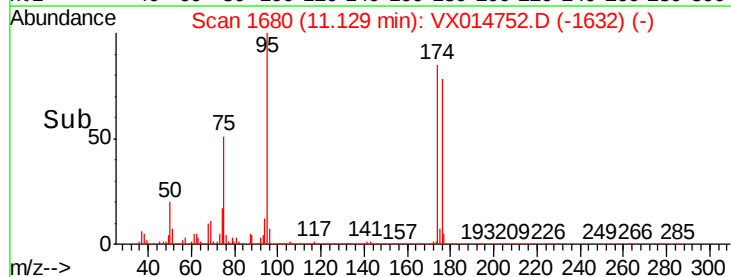
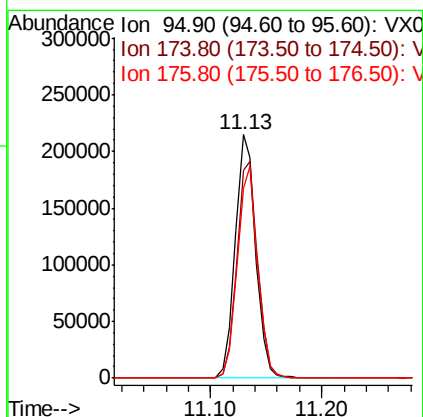
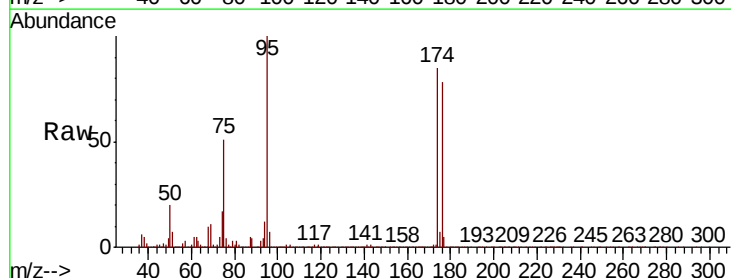
Tgt Ion: 95 Resp: 272072

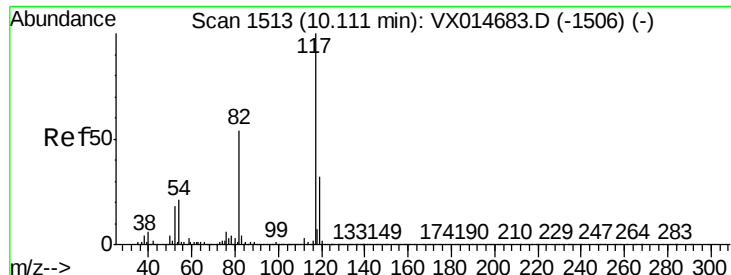
Ion Ratio Lower Upper

95 100

174 90.9 0.0 176.0

176 86.3 0.0 172.2

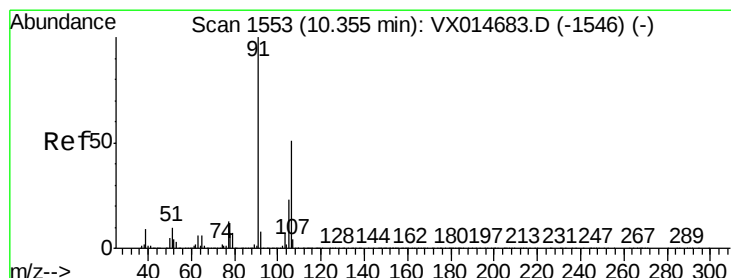
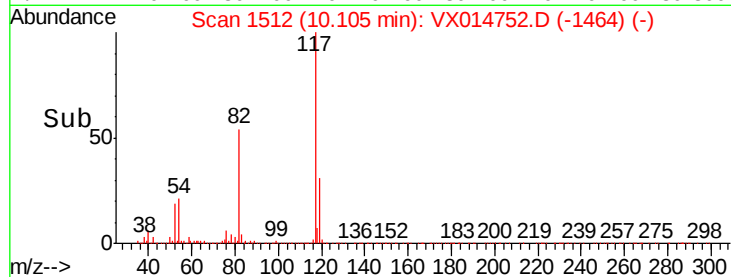
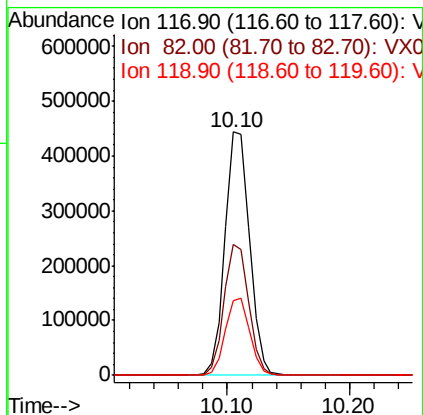
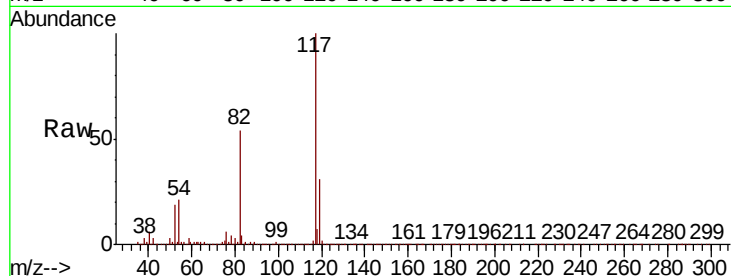




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014752.D
Acq: 28 Jan 2020 15:53

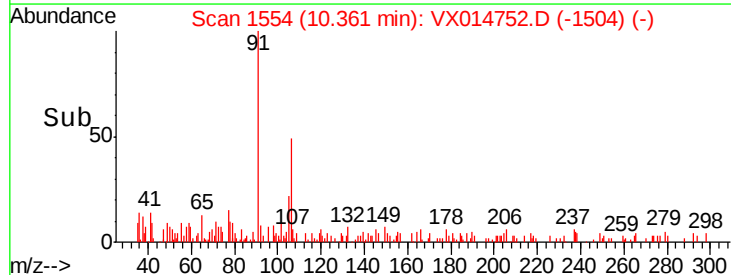
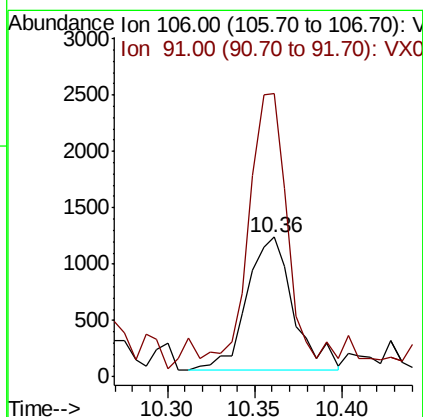
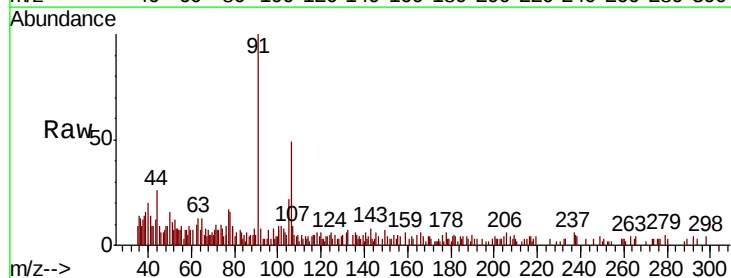
Instrument :
MSVOA_X
ClientSampled :

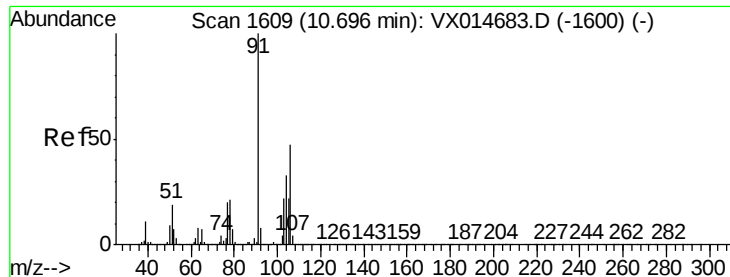
Tot Ion:117 Resp: 619449
Ion Ratio Lower Upper
117 100
82 53.9 43.2 64.8
119 30.8 25.8 38.6



#68
m/p-Xylenes
Concen: 0.257 ug/l
RT: 10.36 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VX014752.D
Acq: 28 Jan 2020 15:53

Tgt Ion:106 Resp: 2201
Ion Ratio Lower Upper
106 100
91 153.0 159.4 239.2#

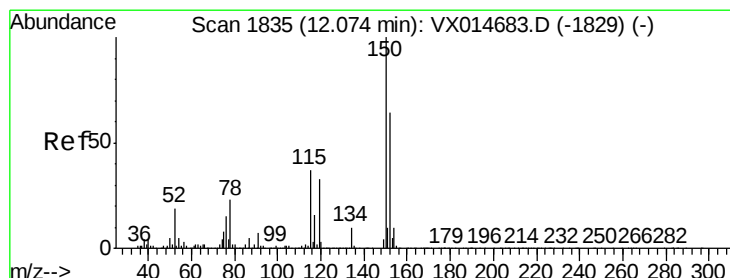
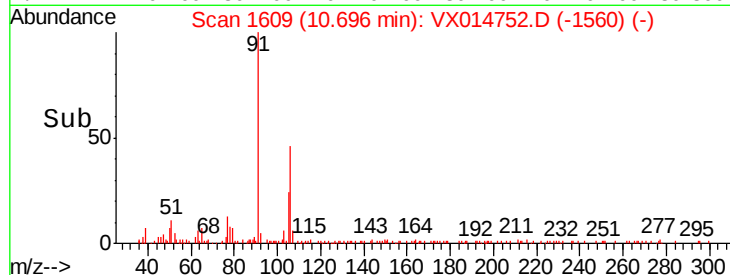
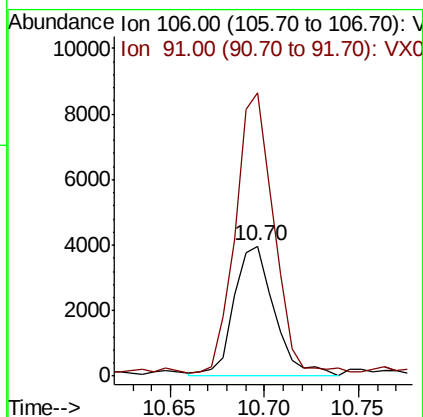
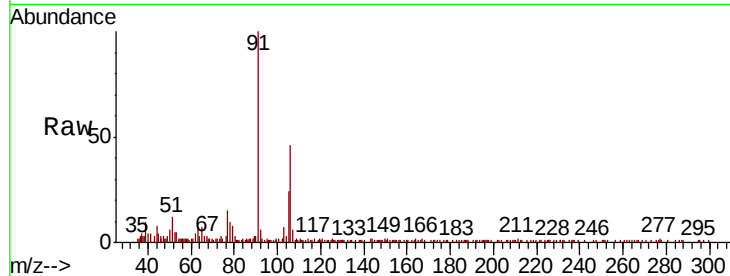




#69
o-Xylene
Concen: 0.719 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014752.D
Acq: 28 Jan 2020 15:53

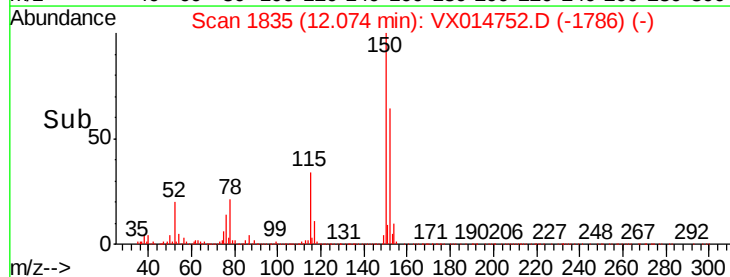
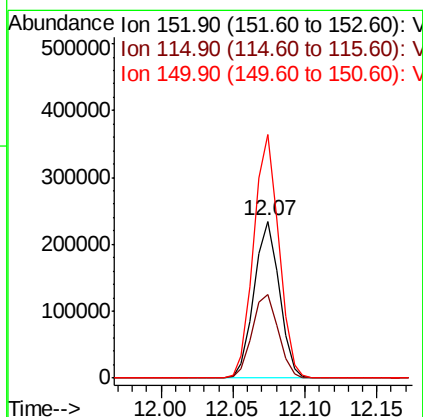
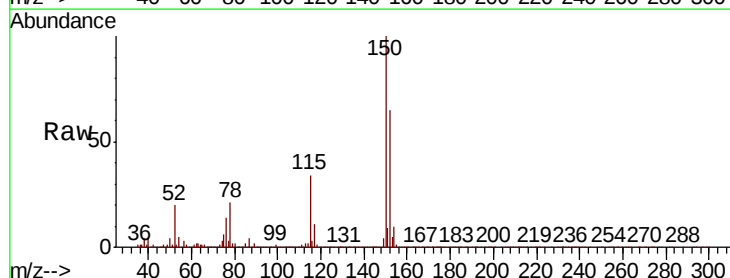
Instrument :
MSVOA_X
ClientSampled :

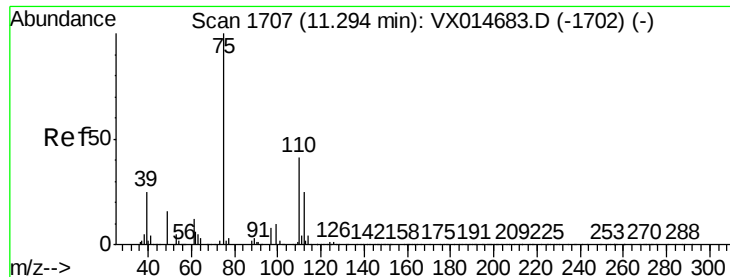
Tot Ion:106 Resp: 5953
Ion Ratio Lower Upper
106 100
91 200.5 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014752.D
Acq: 28 Jan 2020 15:53

Tgt Ion:152 Resp: 282508
Ion Ratio Lower Upper
152 100
115 55.5 39.4 118.1
150 155.0 0.0 351.2

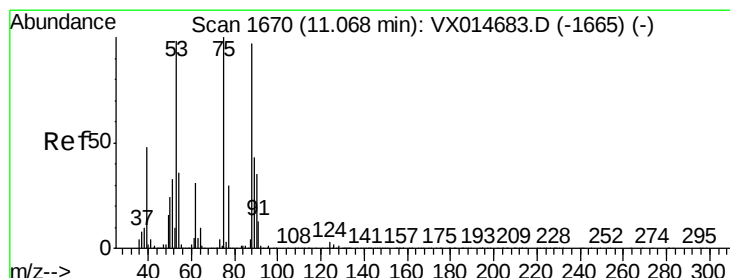
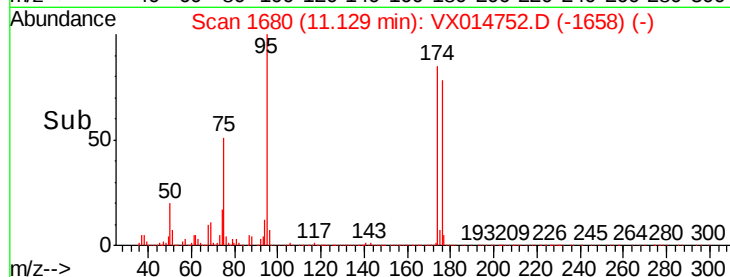
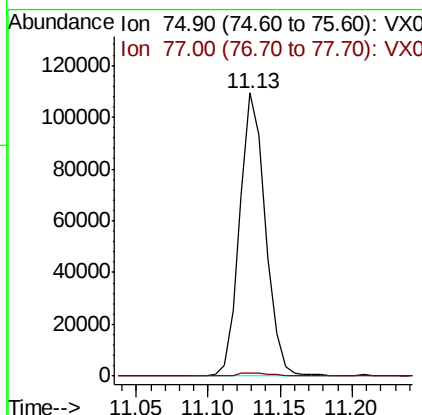
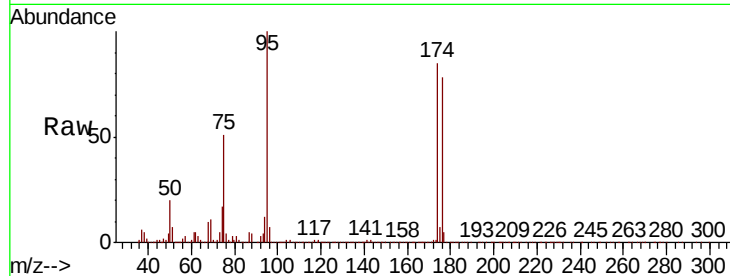




#76
 1,2,3-Trichloropropane
 Concen: 20.562 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014752.D
 Acq: 28 Jan 2020 15:53

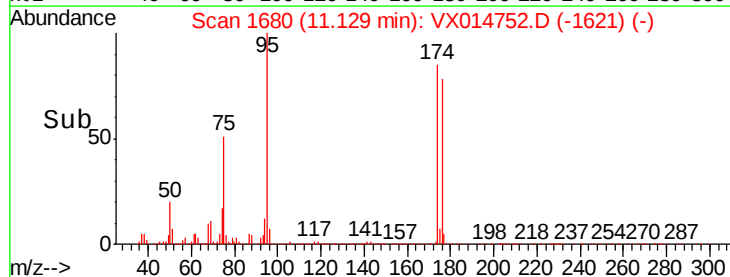
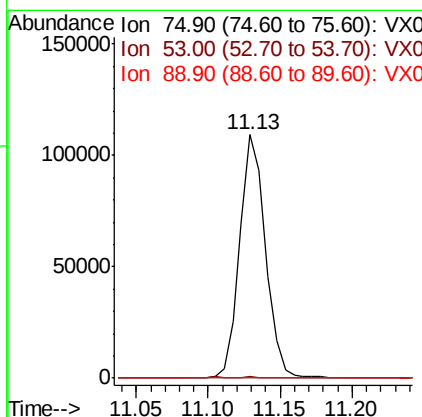
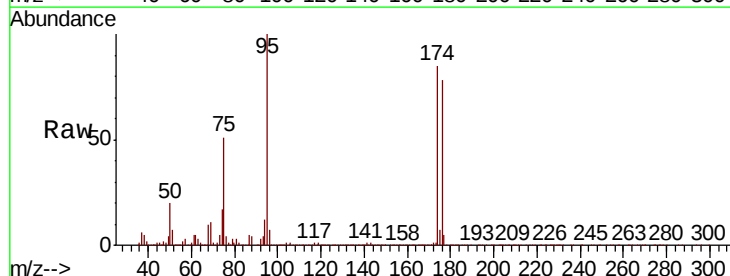
Instrument :
 MSVOA_X
 ClientSampleId :

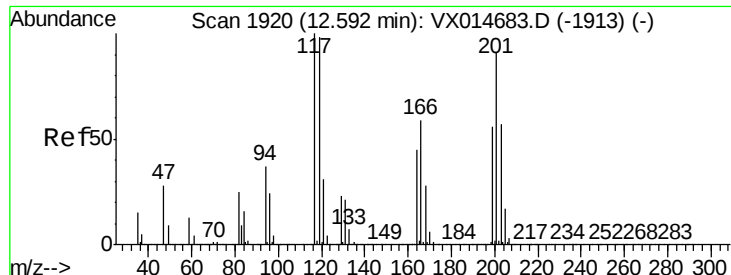
Tot Ion: 75 Resp: 135148
 Ion Ratio Lower Upper
 75 100
 77 1.8 18.7 56.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.515 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014752.D
 Acq: 28 Jan 2020 15:53

Tgt Ion: 75 Resp: 135148
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.8 118.2#
 89 0.0 35.4 53.0#





#90

Hexachloroethane

Concen: 0.826 ug/l

RT: 12.75 min Scan# 1946

Delta R.T. 0.16 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Instrument :

MSVOA_X

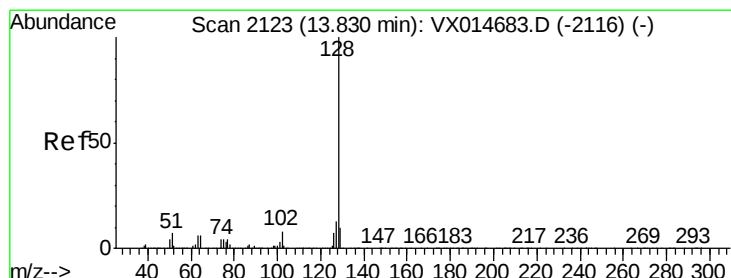
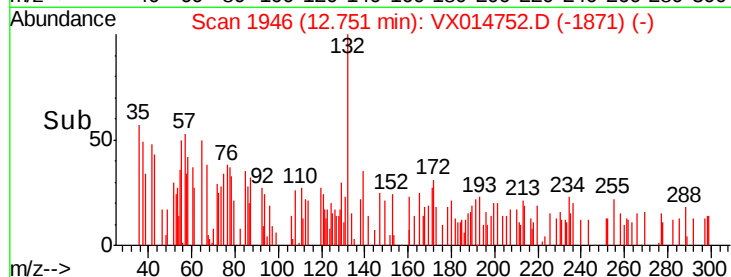
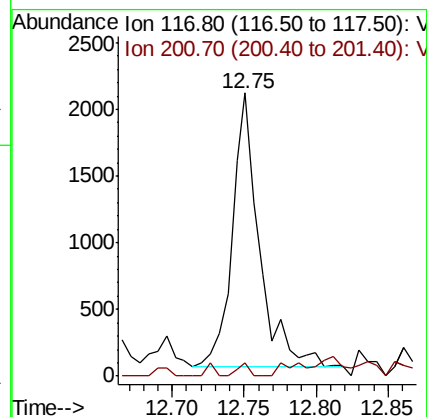
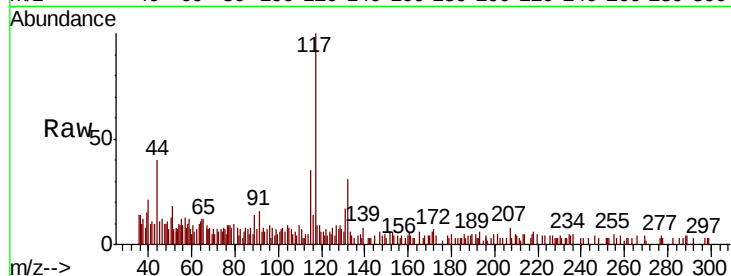
ClientSampled :

Tot Ion:117 Resp: 2692

Ion Ratio Lower Upper

117 100

201 2.1 44.4 133.1#



#95

Naphthalene

Concen: 1.100 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014752.D

Acq: 28 Jan 2020 15:53

Tgt Ion:128 Resp: 3390

Ion Ratio Lower Upper

128 100

127 11.3 10.3 15.5

129 0.0 8.6 12.8#

