

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012820\
 Data File : VX014756.D
 Acq On : 28 Jan 2020 17:26
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 23:21:59 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	444119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	700983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	639648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	297092	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	253064	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	5.49	113	210278	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	8.71	98	828155	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	11.13	95	288406	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

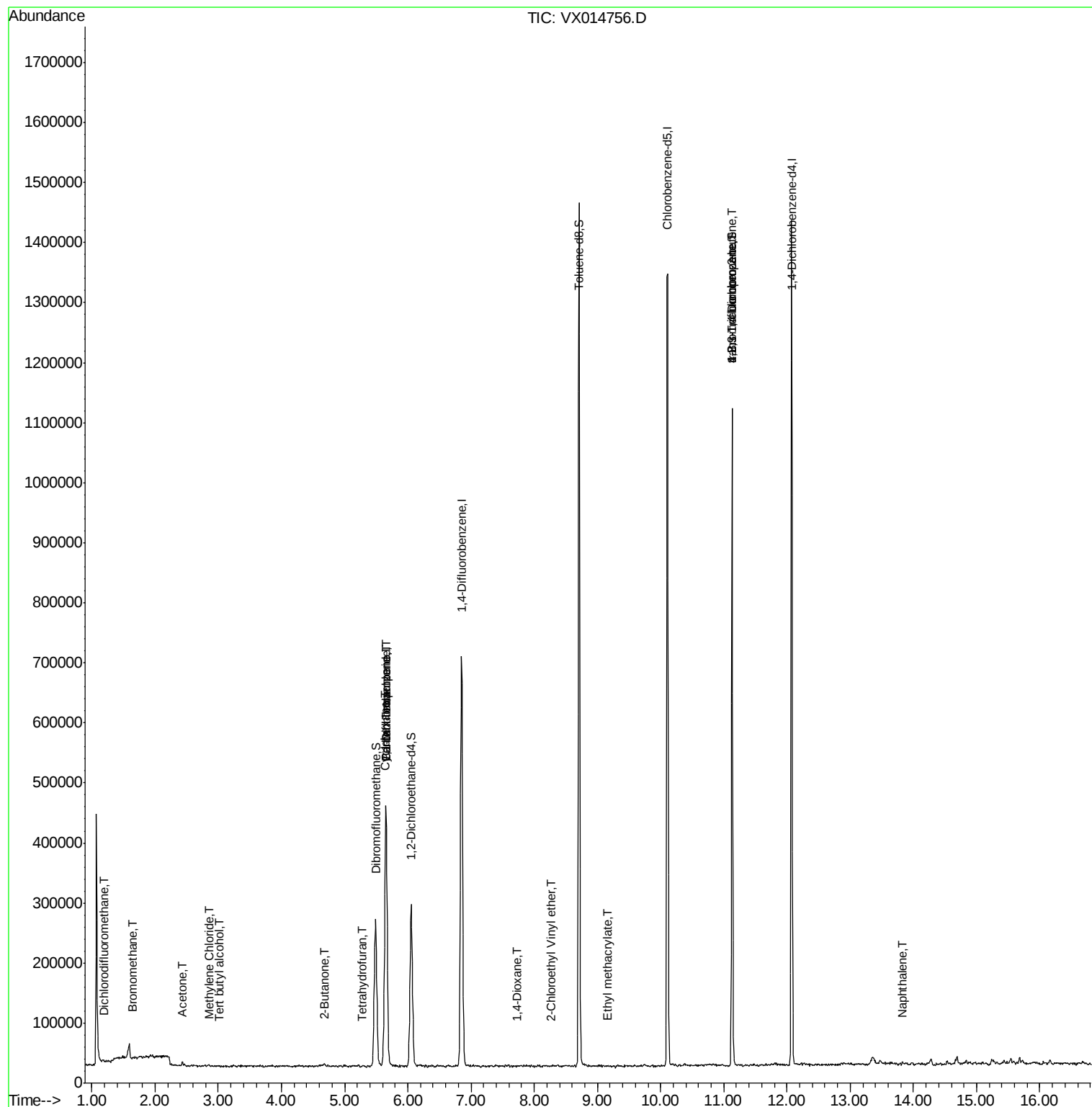
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	410	0.599	ug/l #	44
5) Bromomethane	1.66	94	1386	0.314	ug/l	87
6) Chloroethane	1.67	64	246	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	878	0.754	ug/l #	63
16) Acetone	2.43	43	7654	2.841	ug/l	99
20) Methylene Chloride	2.86	84	1643	0.312	ug/l #	76
25) 2-Butanone	4.68	43	1395	0.343	ug/l #	47
29) Tetrahydrofuran	5.28	42	553	0.229	ug/l	95
31) Cyclohexane	5.64	56	8158	1.012	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	31935	4.903	ug/l #	52
38) Carbon Tetrachloride	5.65	117	40075	6.442	ug/l #	14
41) Methacrylonitrile	4.98	41	497	Below Cal	#	69
49) 1,4-Dioxane	7.73	88	299	2.417	ug/l #	76
56) Ethyl methacrylate	9.17	69	103	1.796	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.27	63	808	0.317	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	141257	20.436	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	141257	58.158	ug/l #	11
95) Naphthalene	13.83	128	2042	1.028	ug/l #	92

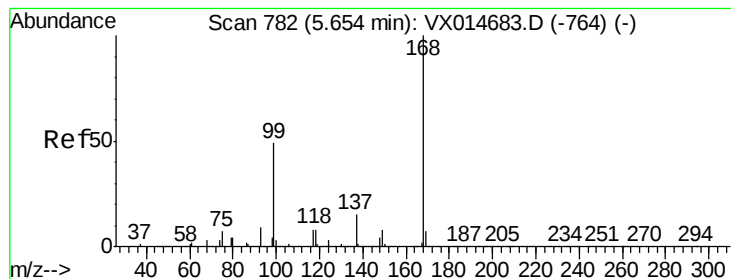
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014756.D

Acq: 28 Jan 2020 17:26

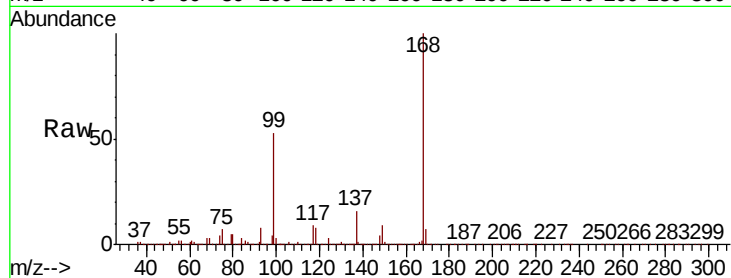
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 444119

Ion Ratio Lower Upper

168 100

99 53.1 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

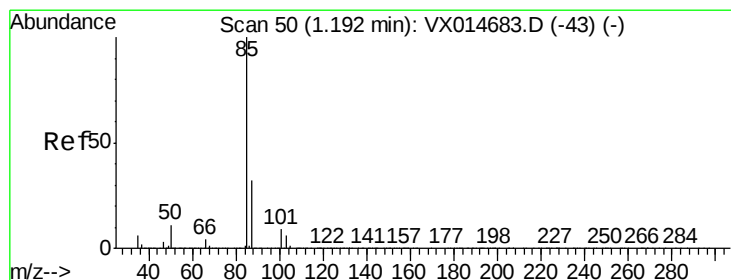
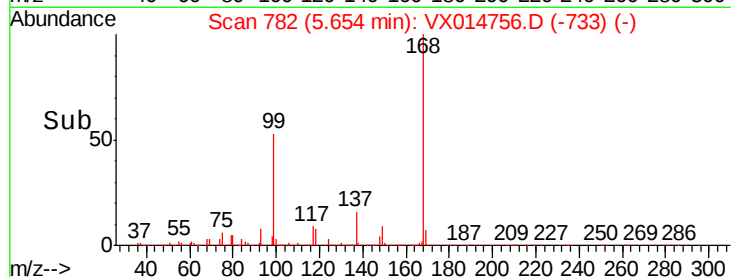
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.599 ug/l

RT: 1.18 min Scan# 48

Delta R.T. -0.01 min

Lab File: VX014756.D

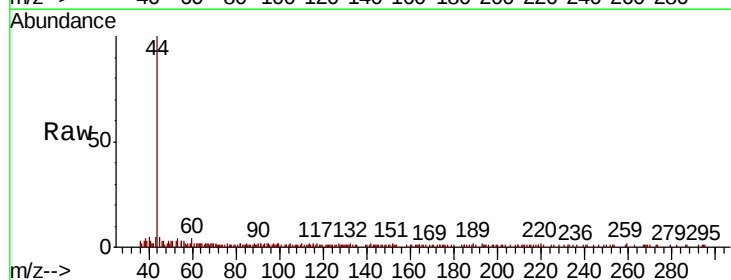
Acq: 28 Jan 2020 17:26

Tgt Ion: 85 Resp: 410

Ion Ratio Lower Upper

85 100

87 0.9 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

300

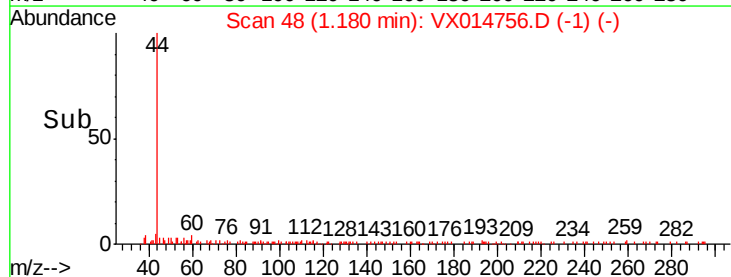
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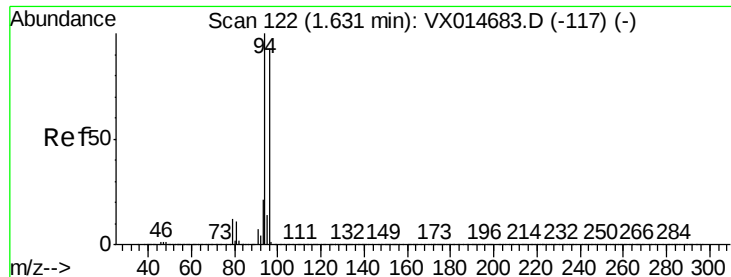
100

0

Time-->

1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: 0.314 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014756.D

Acq: 28 Jan 2020 17:26

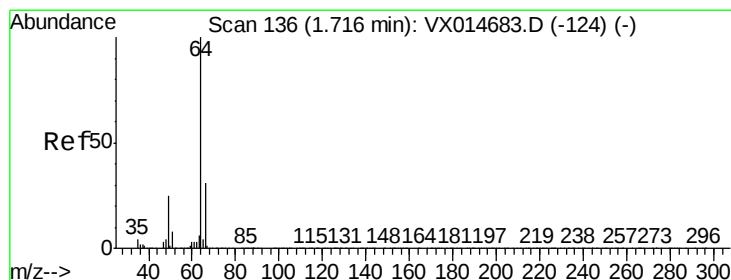
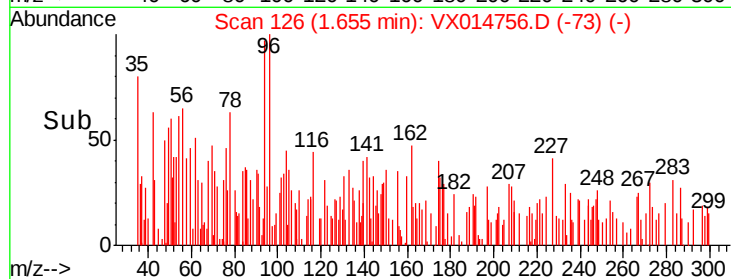
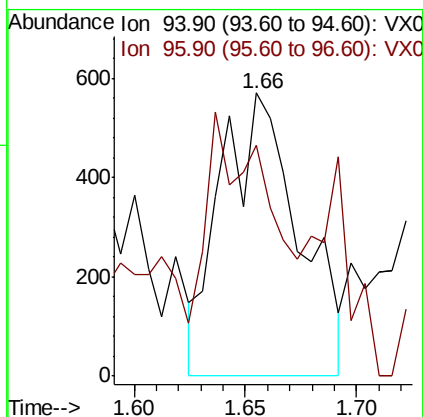
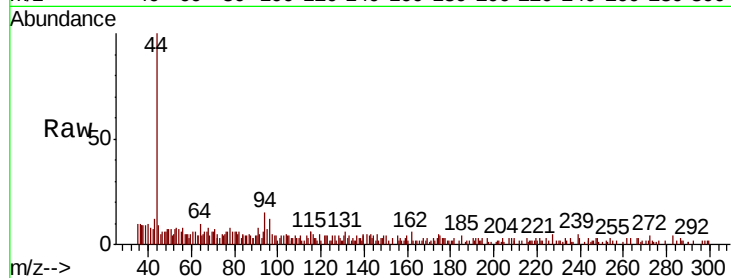
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 1386

Ion Ratio Lower Upper

94 100

96 80.8 74.7 112.1



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 129

Delta R.T. -0.04 min

Lab File: VX014756.D

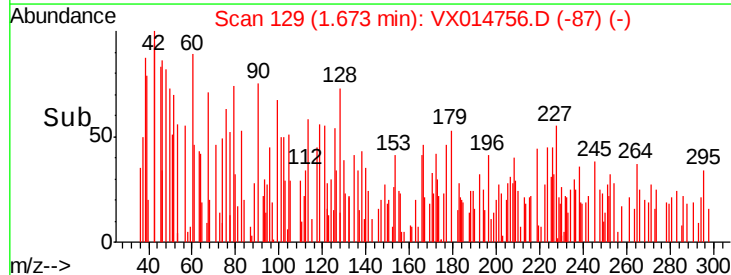
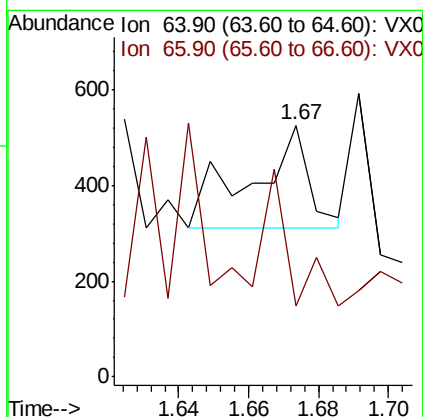
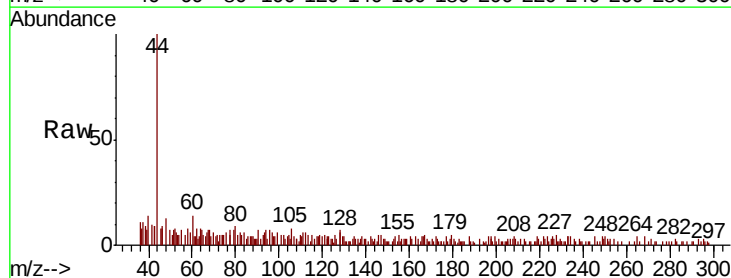
Acq: 28 Jan 2020 17:26

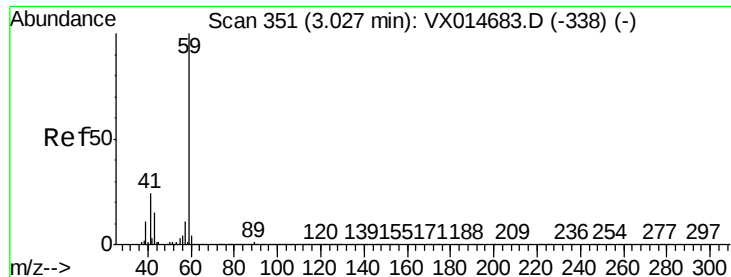
Tgt Ion: 64 Resp: 246

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#

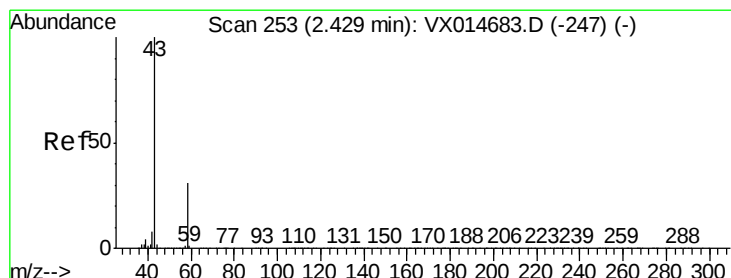
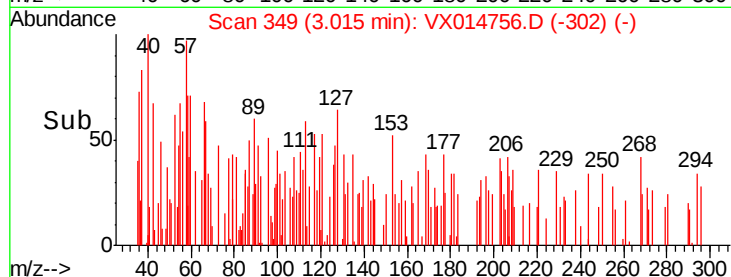
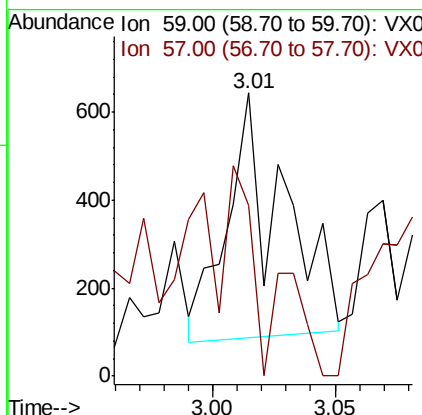
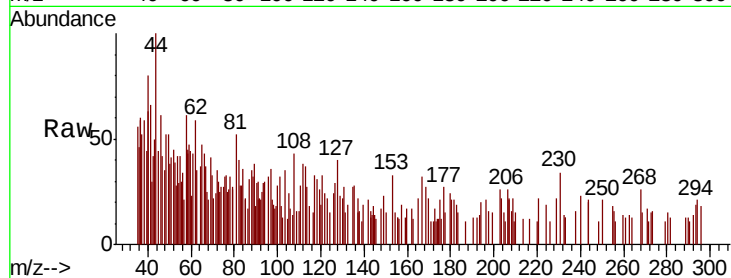




#11
Tert butyl alcohol
Concen: 0.754 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

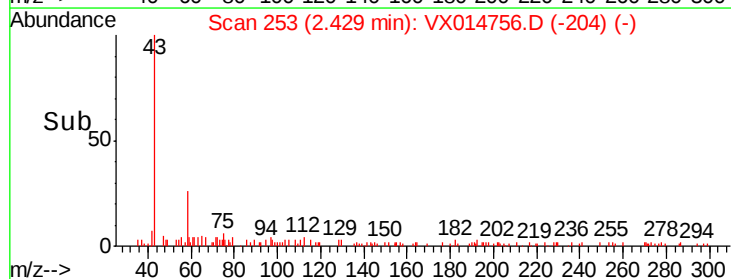
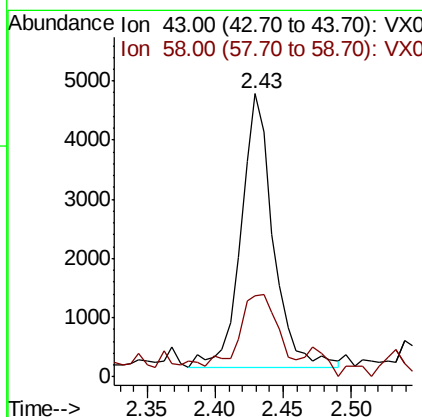
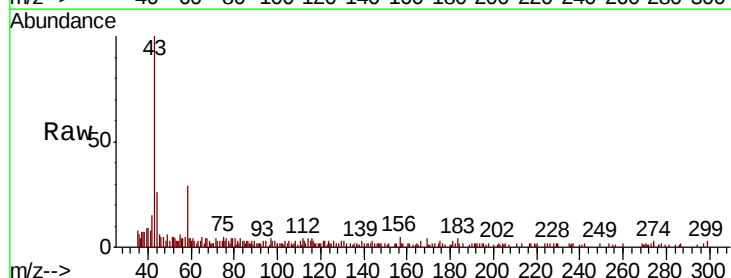
Instrument :
MSVOA_X
ClientSampleId :

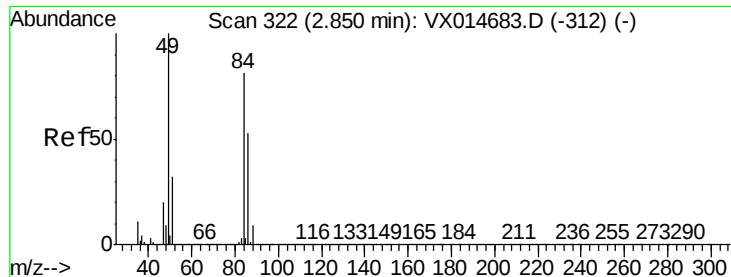
Tot Ion: 59 Resp: 878
Ion Ratio Lower Upper
59 100
57 24.4 8.3 12.5#



#16
Acetone
Concen: 2.841 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

Tgt Ion: 43 Resp: 7654
Ion Ratio Lower Upper
43 100
58 29.9 24.5 36.7

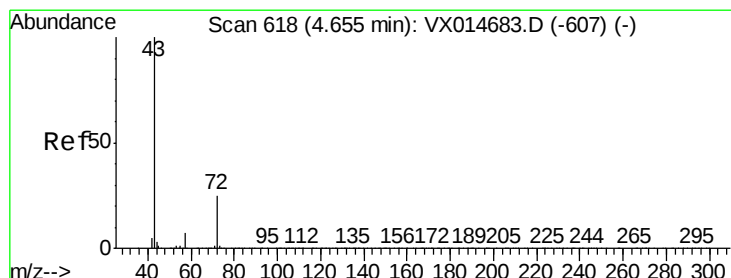
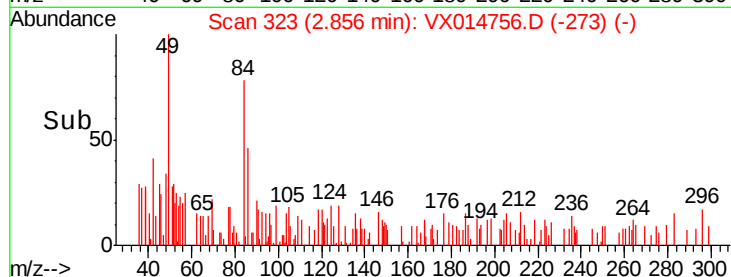
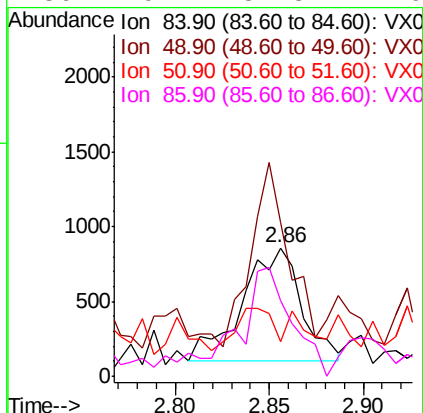
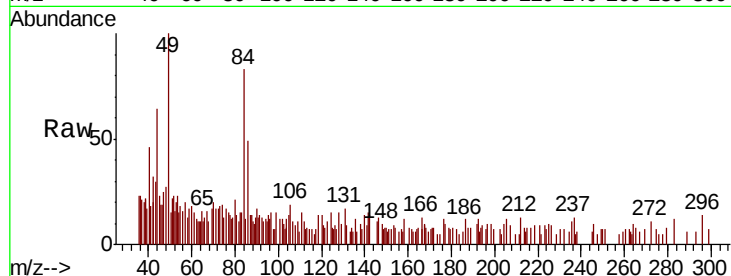




#20
Methvlene Chloride
Concen: 0.312 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

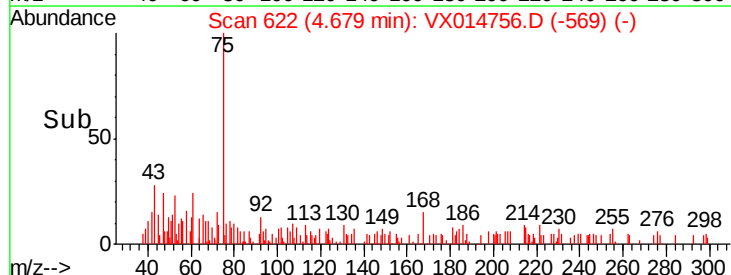
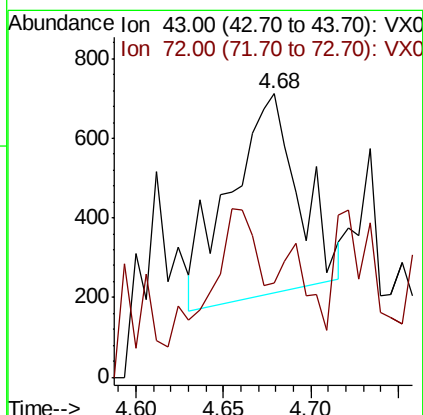
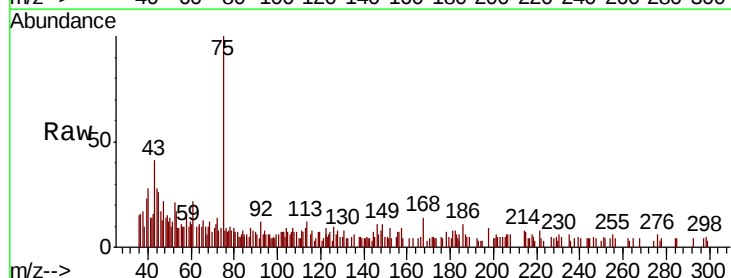
Instrument :
MSVOA_X
ClientSampled :

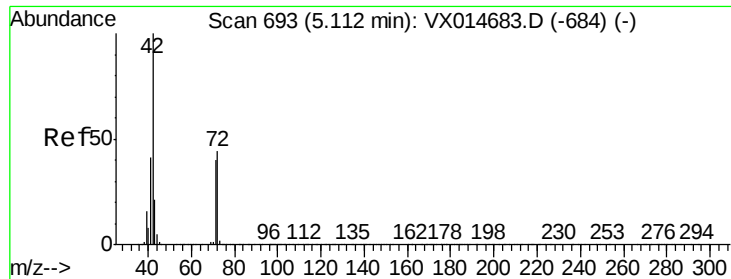
Tot Ion: 84 Resp: 1643
Ion Ratio Lower Upper
84 100
49 108.5 98.2 147.4
51 0.0 31.3 46.9#
86 49.2 51.8 77.6#



#25
2-Butanone
Concen: 0.343 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
72 51.6 19.9 29.9#





#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 5.28 min Scan# 721

Delta R.T. 0.17 min

Lab File: VX014756.D

Acq: 28 Jan 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

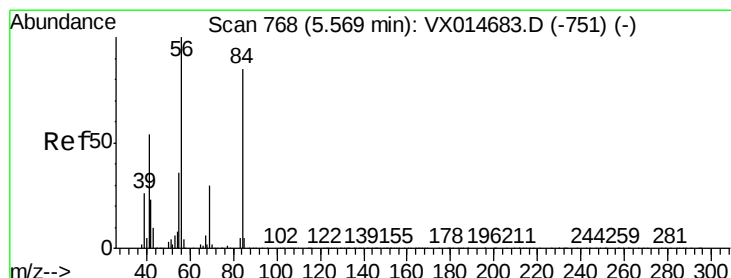
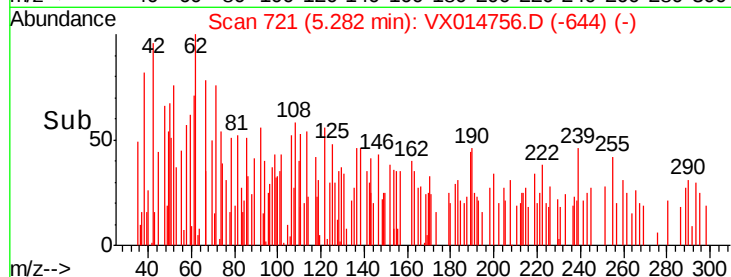
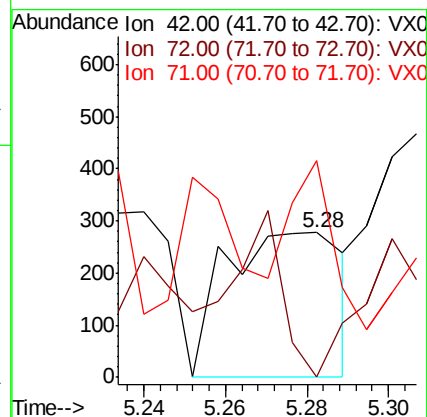
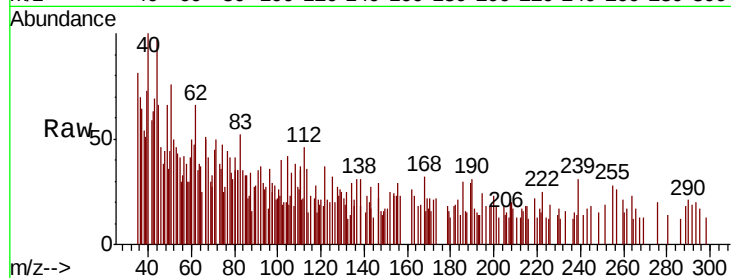
Tot Ion: 42 Resp: 553

Ion Ratio Lower Upper

42 100

72 48.8 35.3 52.9

71 42.9 33.1 49.7



#31

Cyclohexane

Concen: 1.012 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX014756.D

Acq: 28 Jan 2020 17:26

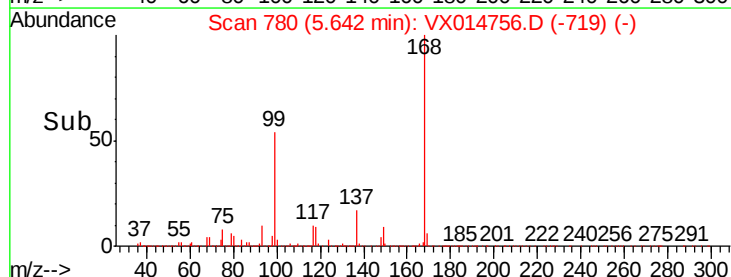
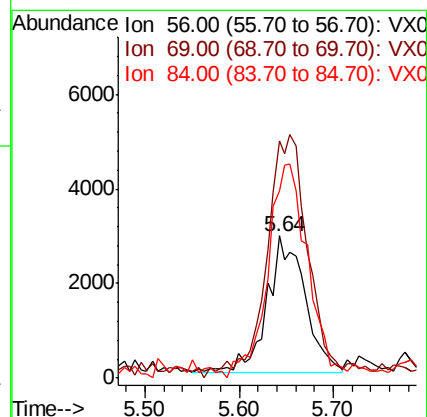
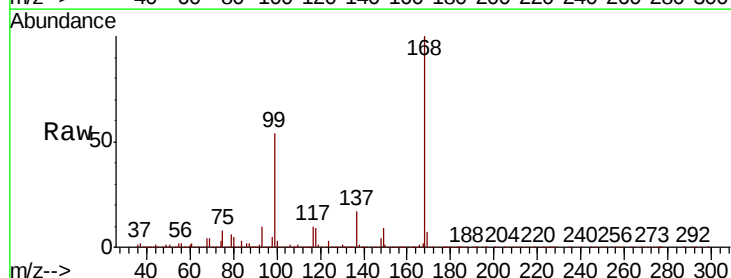
Tgt Ion: 56 Resp: 8158

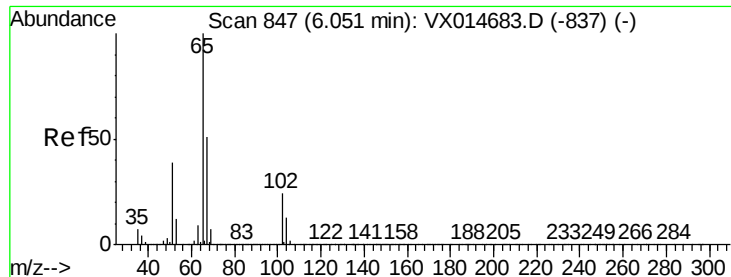
Ion Ratio Lower Upper

56 100

69 169.1 23.4 35.2#

84 129.7 68.4 102.6#

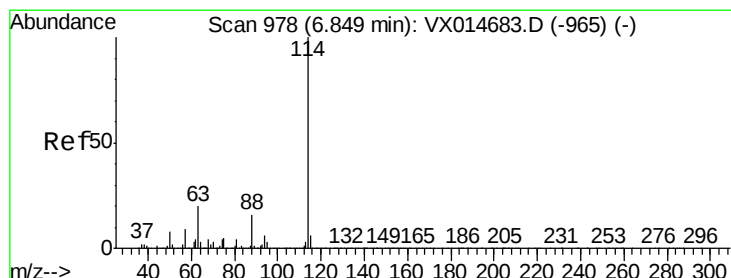
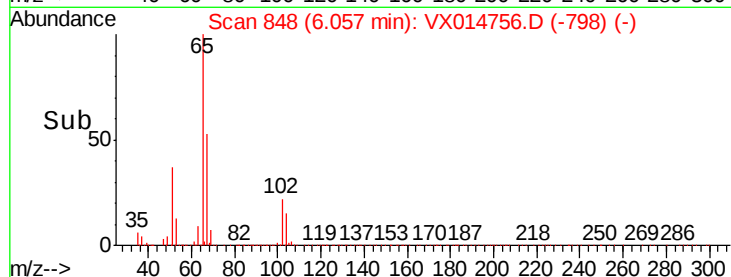
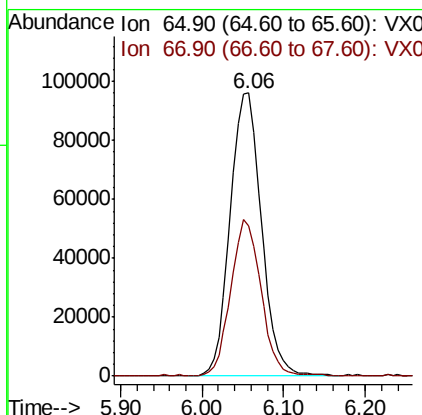
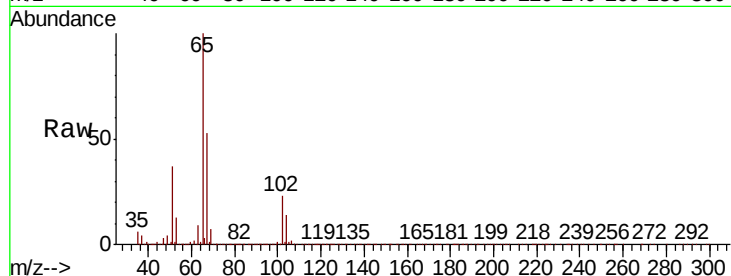




#33
 1,2-Dichloroethane-d4
 Concen: 48.795 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014756.D
 Acq: 28 Jan 2020 17:26

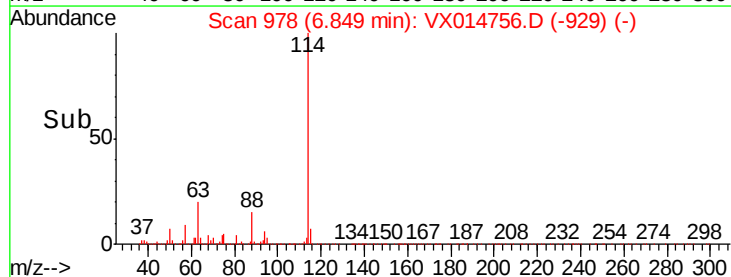
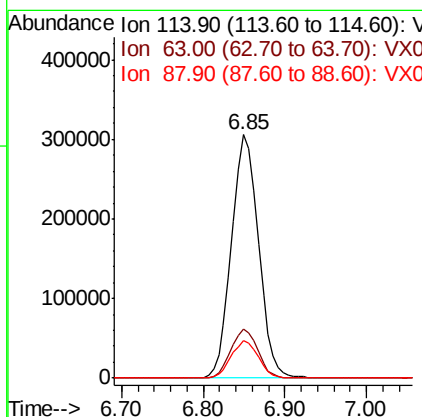
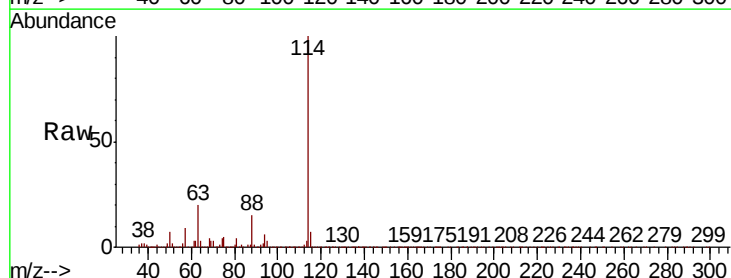
Instrument :
 MSVOA_X
 ClientSampleId :

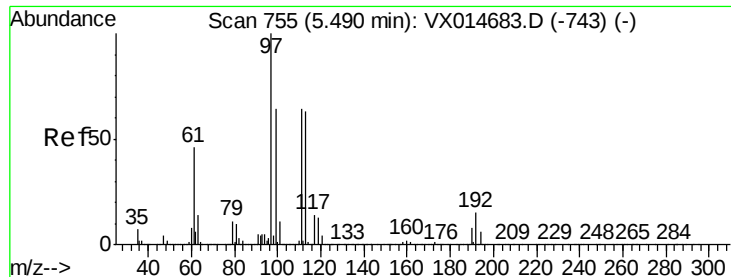
Tot Ion: 65 Resp: 253064
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014756.D
 Acq: 28 Jan 2020 17:26

Tgt Ion: 114 Resp: 700983
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.6
 88 15.2 0.0 31.2

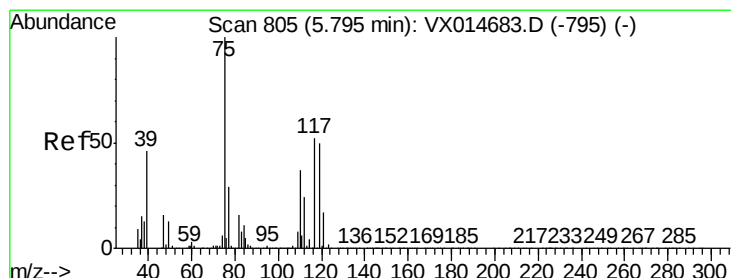
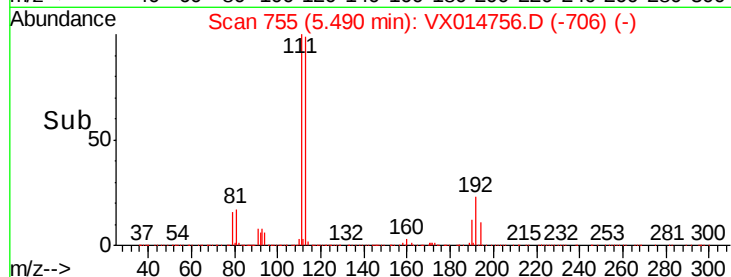
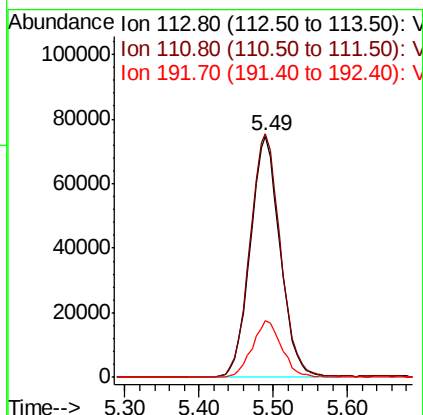
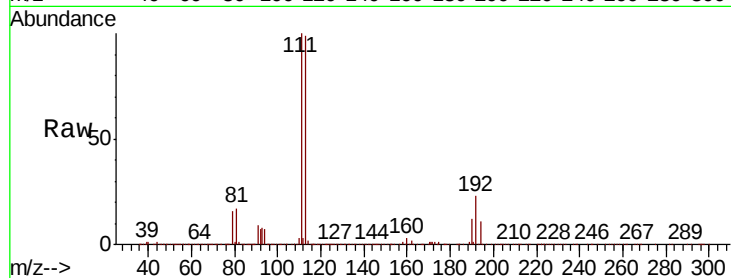




#35
 Dibromofluoromethane
 Concen: 47.540 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014756.D
 Acq: 28 Jan 2020 17:26

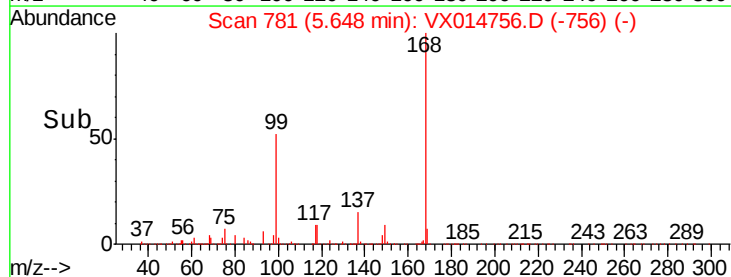
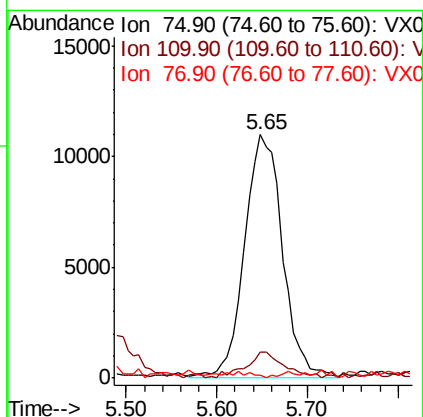
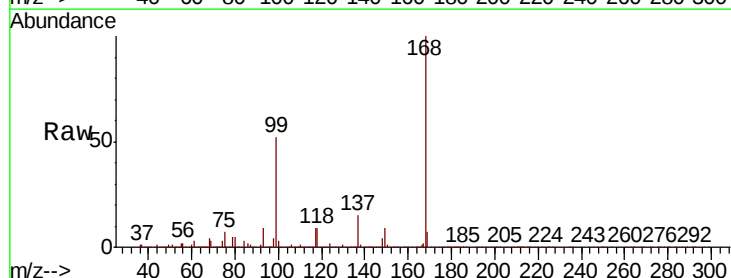
Instrument :
 MSVOA_X
 ClientSampleId :

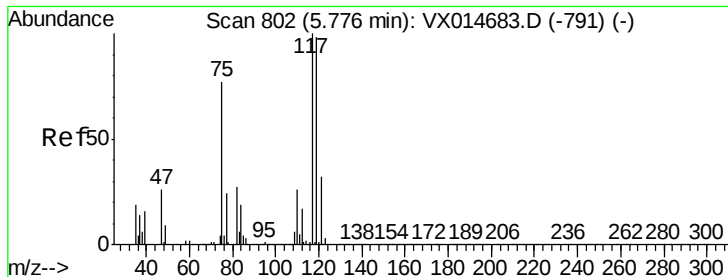
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.7	121.1
192	23.2	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.903 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014756.D
 Acq: 28 Jan 2020 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.9	53.7#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 6.442 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014756.D

Acq: 28 Jan 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

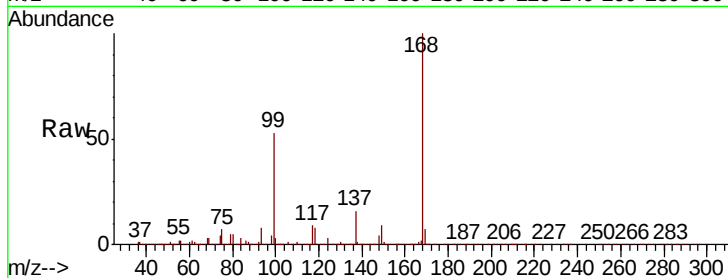
Tot Ion:117 Resp: 40075

Ion Ratio Lower Upper

117 100

119 3.3 77.9 116.9#

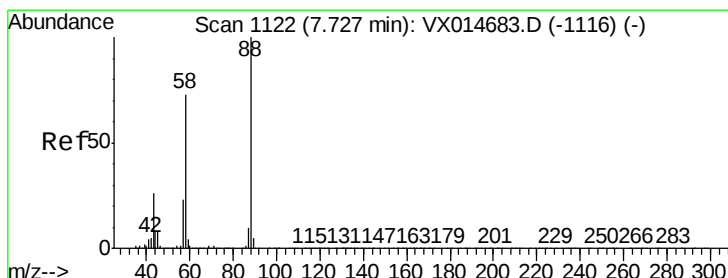
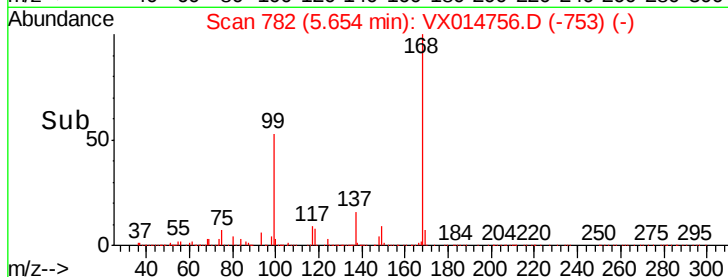
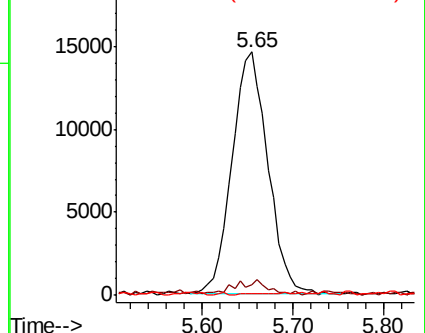
121 0.6 25.4 38.2#



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



#49

1,4-Dioxane

Concen: 2.417 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VX014756.D

Acq: 28 Jan 2020 17:26

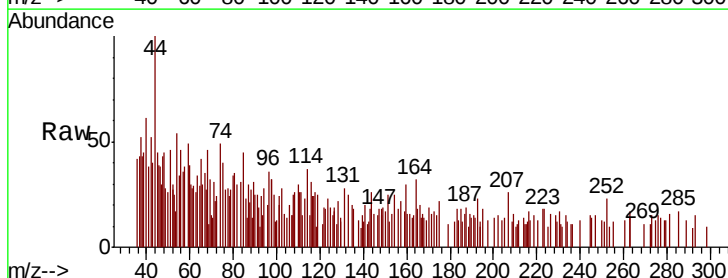
Tgt Ion: 88 Resp: 299

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

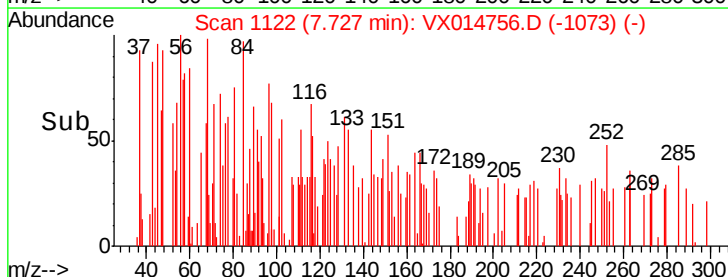
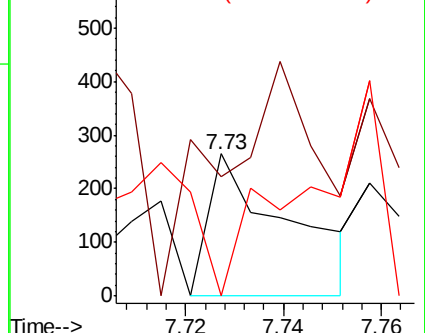
58 77.9 56.6 85.0

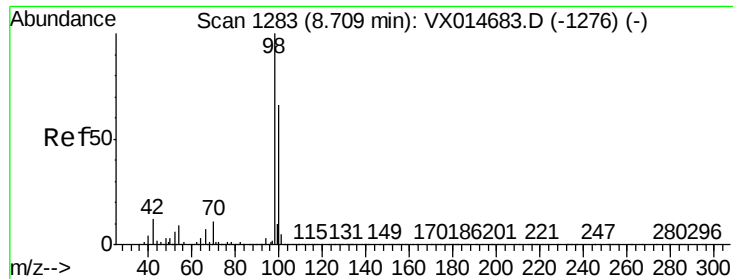


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

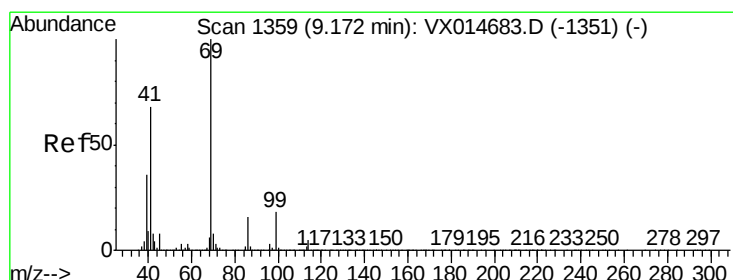
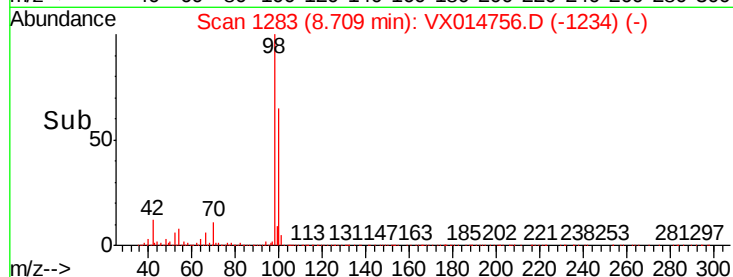
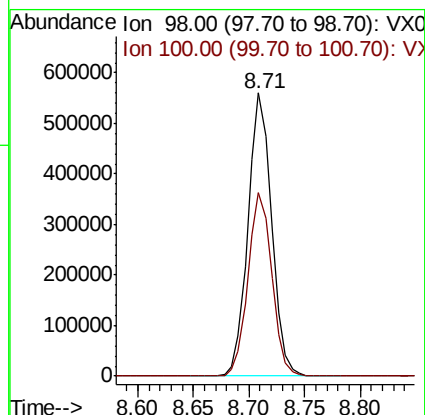
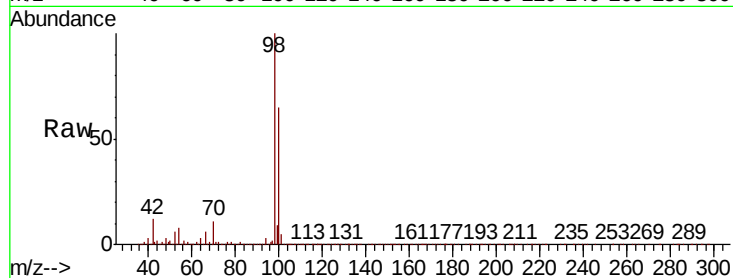




#50
Toluene-d8
Concen: 48.702 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

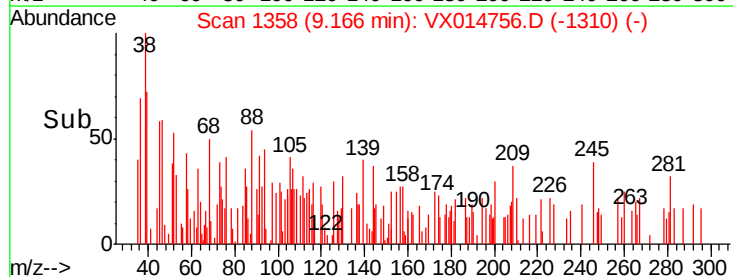
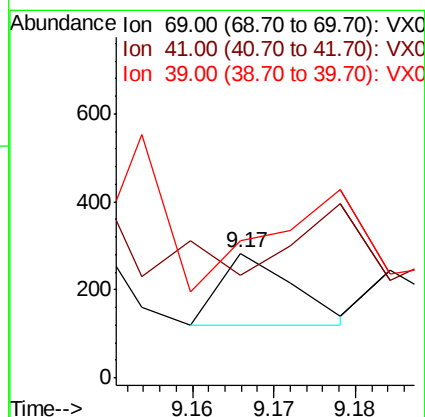
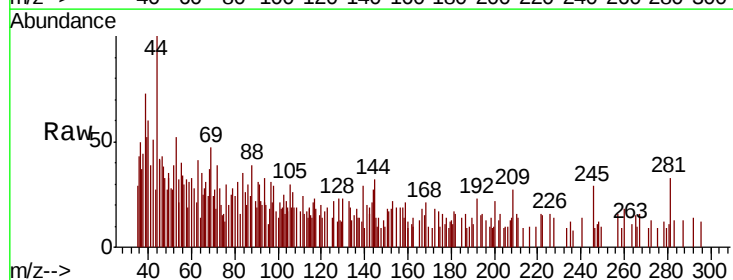
Instrument :
MSVOA_X
ClientSampled :

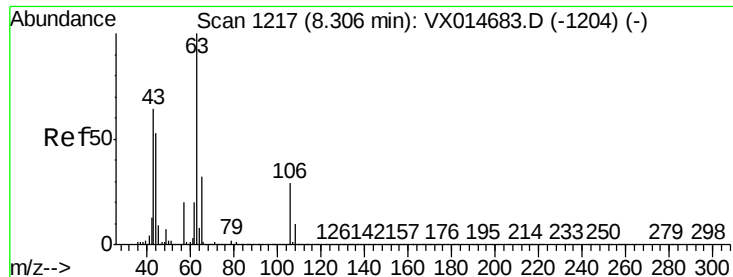
Tot Ion: 98 Resp: 828155
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



#56
Ethyl methacrylate
Concen: 1.796 ug/l
RT: 9.17 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

Tgt Ion: 69 Resp: 103
Ion Ratio Lower Upper
69 100
41 0.0 54.9 82.3#
39 134.0 29.3 43.9#

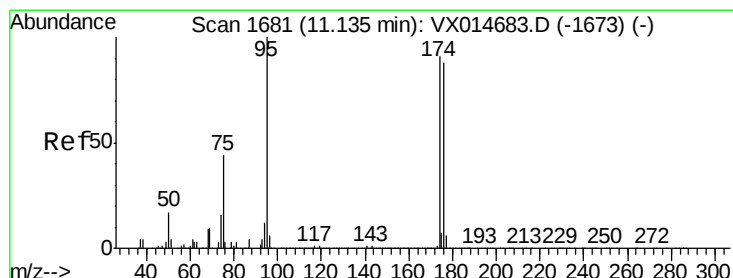
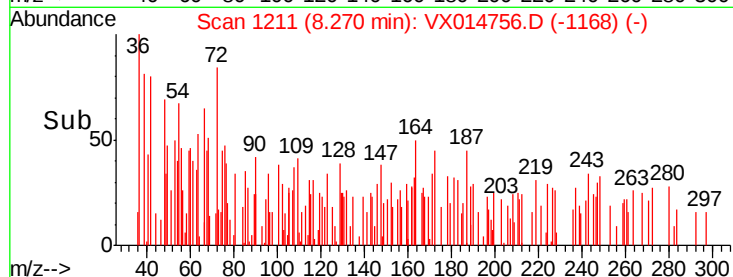
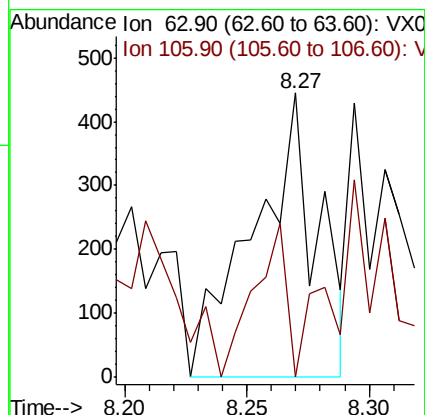
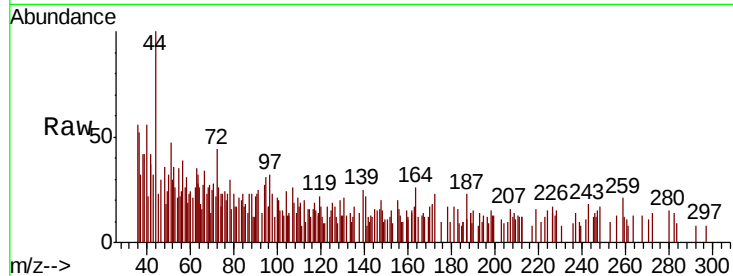




#58
2-Chloroethyl Vinyl ether
Concen: 0.317 ug/l
RT: 8.27 min Scan# 1211
Delta R.T. -0.04 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

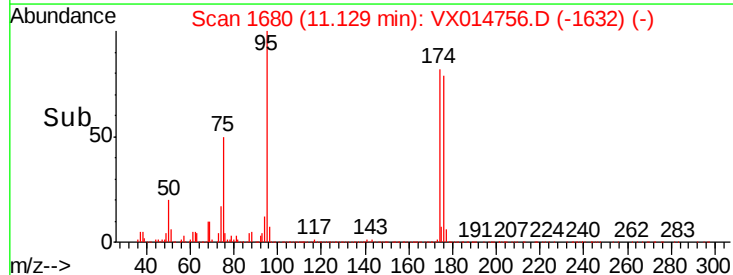
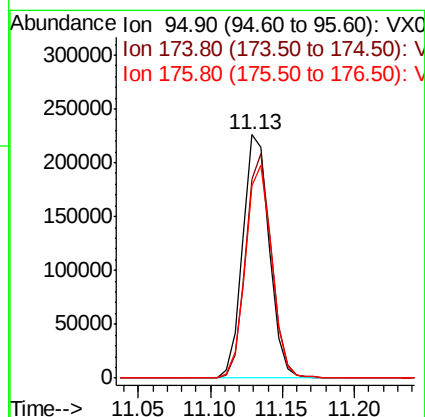
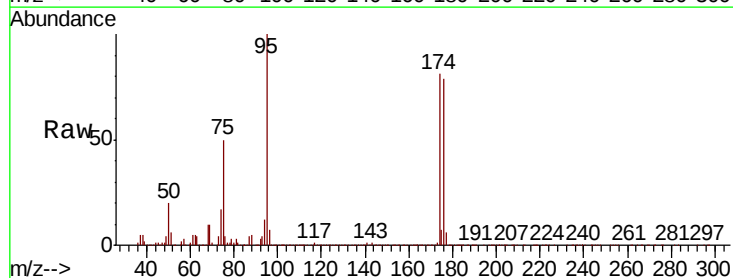
Instrument :
MSVOA_X
ClientSampled :

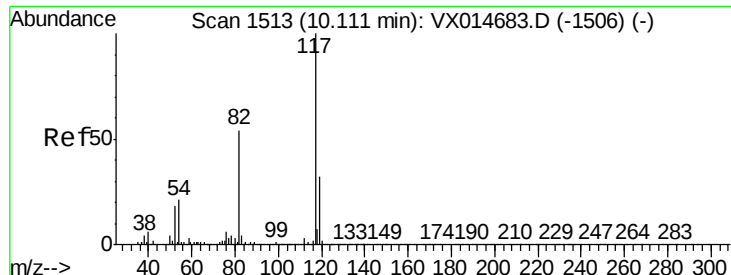
Tot Ion: 63 Resp: 808
Ion Ratio Lower Upper
63 100
106 27.1 22.7 34.1



#62
4-Bromofluorobenzene
Concen: 47.613 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

Tgt Ion: 95 Resp: 288406
Ion Ratio Lower Upper
95 100
174 89.6 0.0 176.0
176 86.7 0.0 172.2

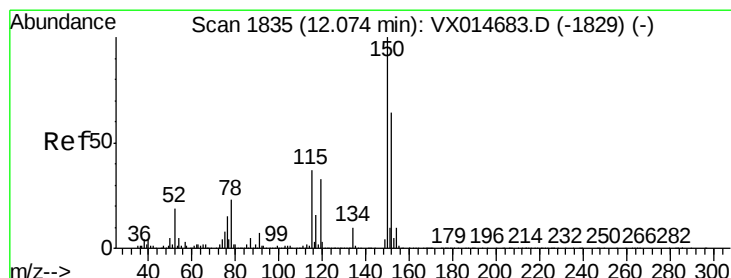
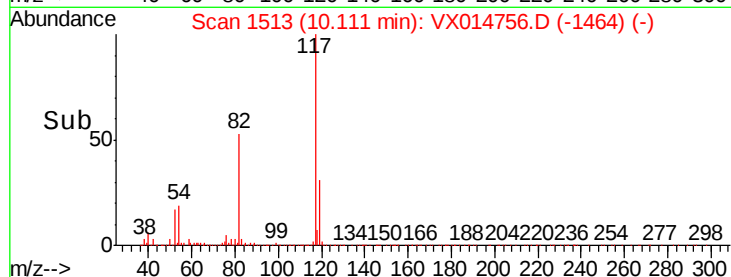
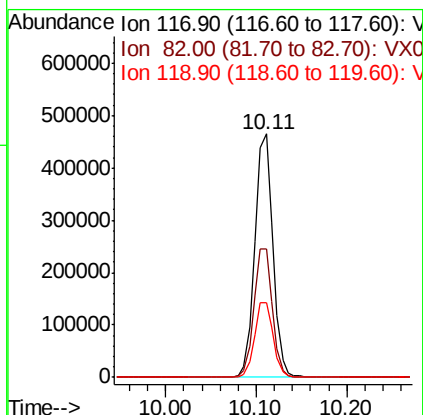
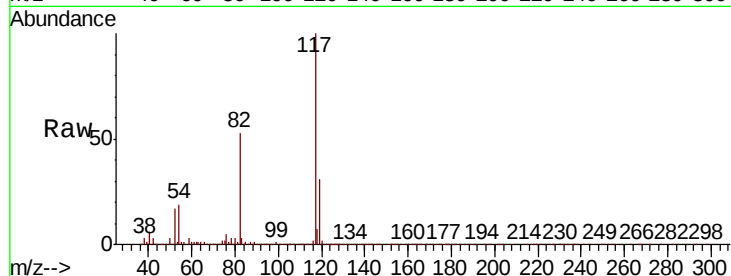




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

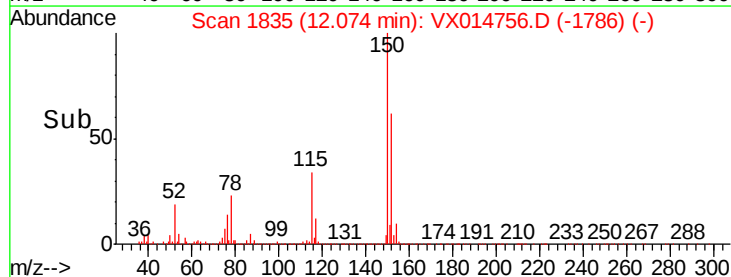
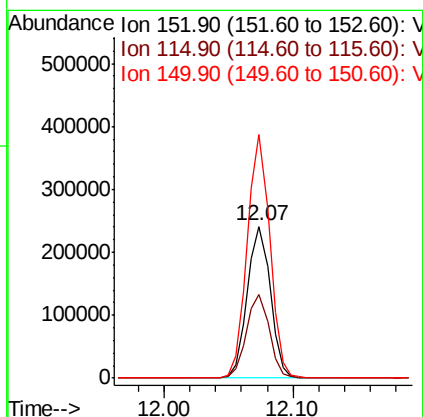
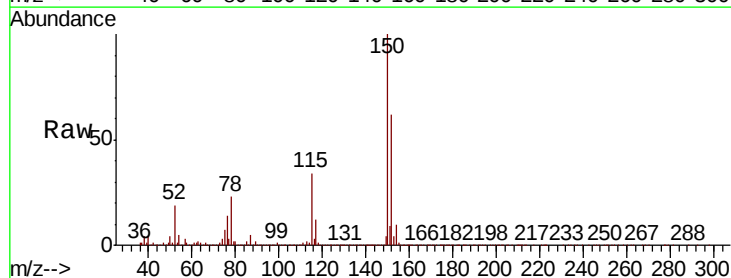
Instrument :
MSVOA_X
ClientSampleId :

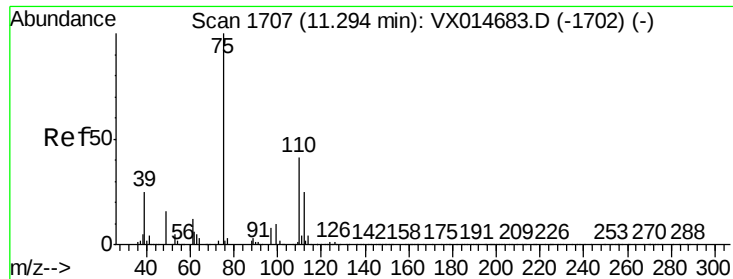
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.2	64.8
119	30.9	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	39.4	118.1
150	156.9	0.0	351.2

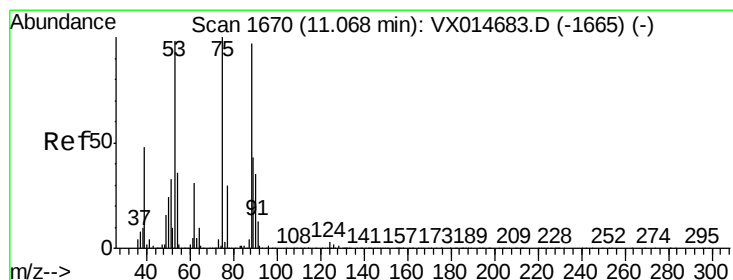
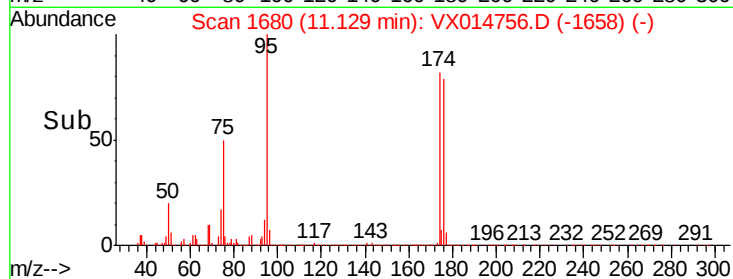
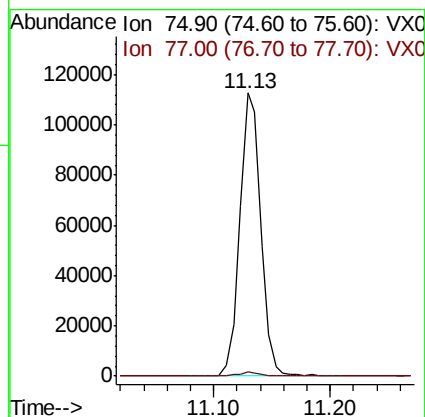
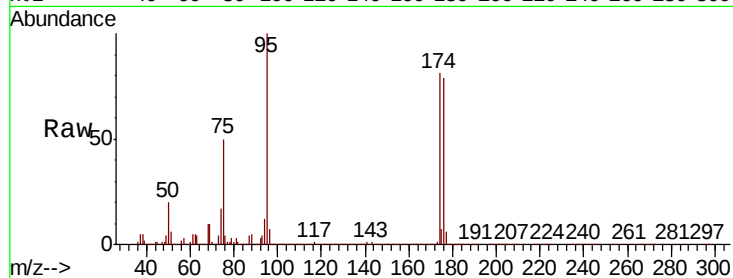




#76
 1,2,3-Trichloropropane
 Concen: 20.436 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014756.D
 Acq: 28 Jan 2020 17:26

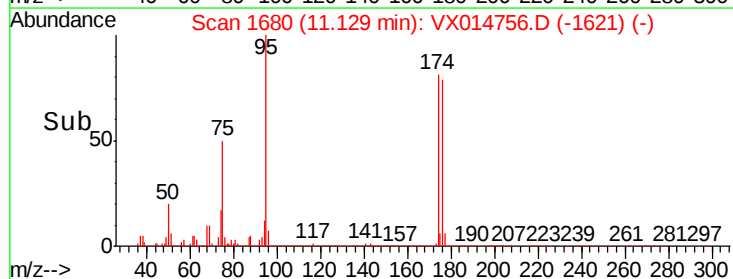
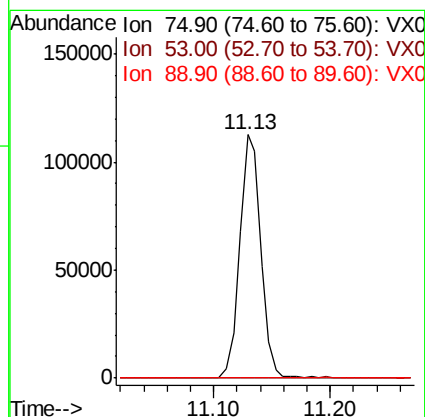
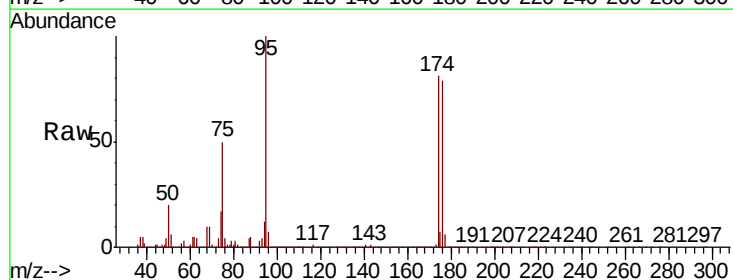
Instrument :
 MSVOA_X
 ClientSampleId :

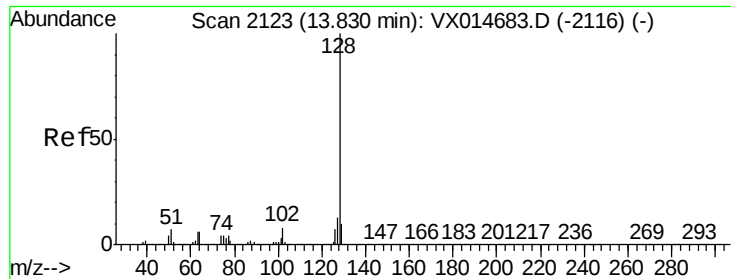
Tot Ion: 75 Resp: 141257
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.7 56.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.158 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014756.D
 Acq: 28 Jan 2020 17:26

Tgt Ion: 75 Resp: 141257
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.8 118.2#
 89 0.2 35.4 53.0#

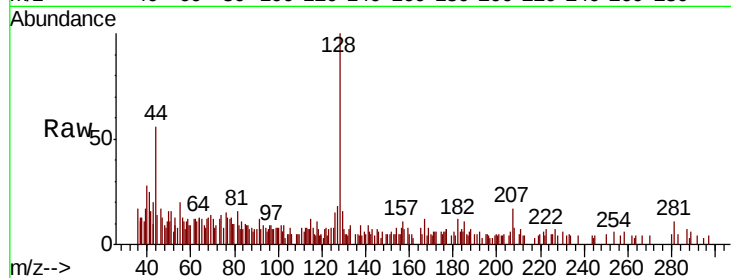




#95
Naphthalene
Concen: 1.028 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014756.D
Acq: 28 Jan 2020 17:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.4	10.3	15.5#
129	11.1	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

