

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020620\
 Data File : VX014851.D
 Acq On : 06 Feb 2020 16:33
 Operator : JC/SP
 Sample : L1419-03 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 07 00:49:53 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

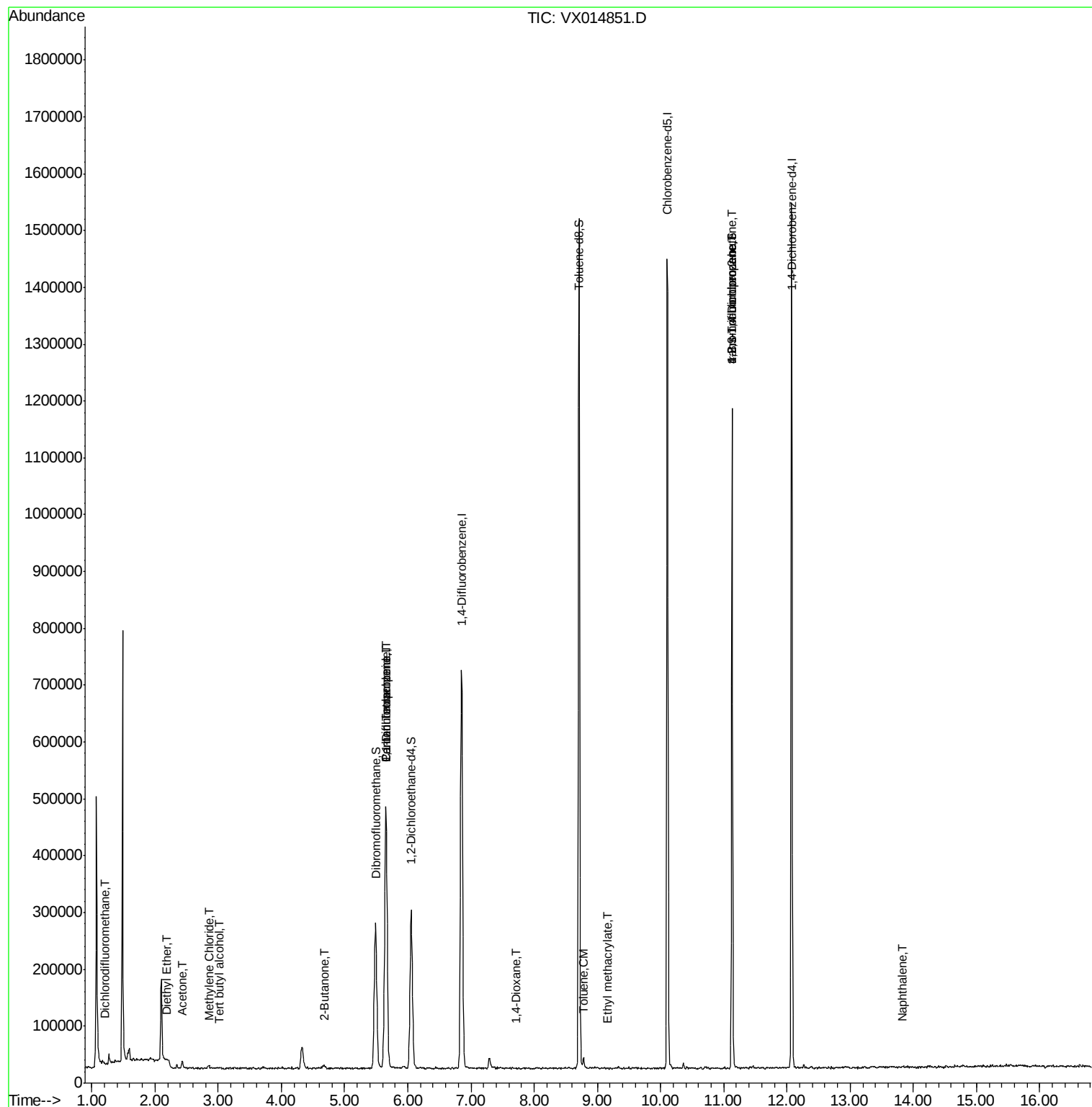
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	477787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	731524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	676433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	323118	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	267546	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	5.49	113	214712	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
50) Toluene-d8	8.71	98	864652	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.13	95	302218	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	153	0.555	ug/l #	50
6) Chloroethane	1.69	64	4381	Below Cal	#	55
8) Diethyl Ether	2.17	74	733	0.206	ug/l #	1
11) Tert butyl alcohol	3.01	59	2351	1.877	ug/l #	91
16) Acetone	2.43	43	13566	4.584	ug/l	97
20) Methylene Chloride	2.84	84	4788	0.846	ug/l #	74
25) 2-Butanone	4.68	43	3262	0.745	ug/l #	82
36) 1,1-Dichloropropene	5.65	75	31755	4.672	ug/l #	53
38) Carbon Tetrachloride	5.65	117	42238	6.506	ug/l #	14
41) Methacrylonitrile	4.98	41	345	Below Cal	#	1
49) 1,4-Dioxane	7.71	88	342	2.649	ug/l #	35
52) Toluene	8.78	92	6864	0.532	ug/l	85
56) Ethyl methacrylate	9.16	69	380	1.825	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	151032	20.091	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	151032	57.174	ug/l #	11
95) Naphthalene	13.83	128	1341	0.990	ug/l #	58

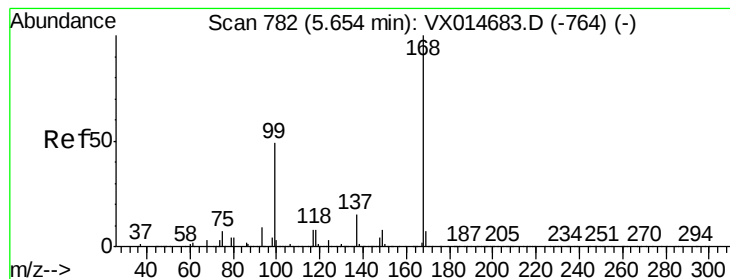
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
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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: VX014851.D

Acq: 06 Feb 2020 16:33

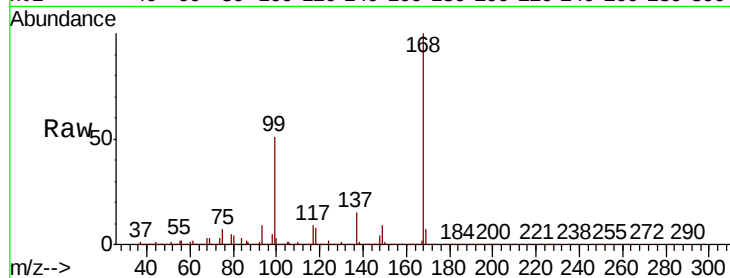
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 477787

Ion Ratio Lower Upper

168 100

99 50.7 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

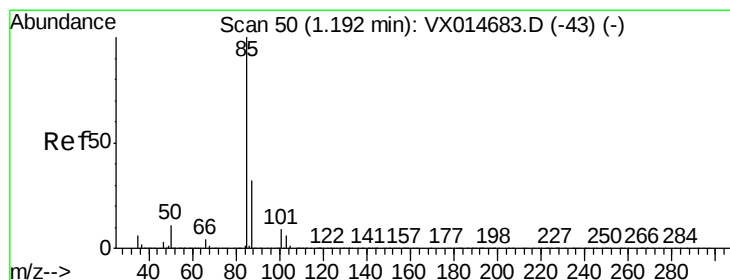
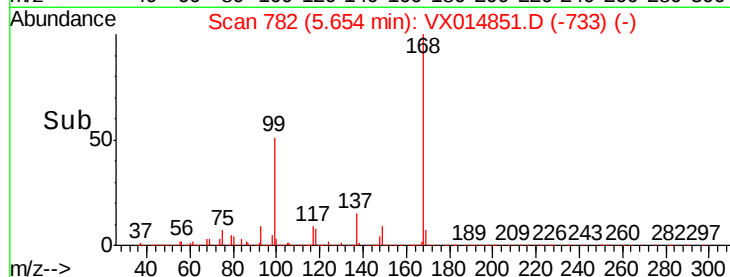
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.555 ug/l

RT: 1.20 min Scan# 52

Delta R.T. 0.01 min

Lab File: VX014851.D

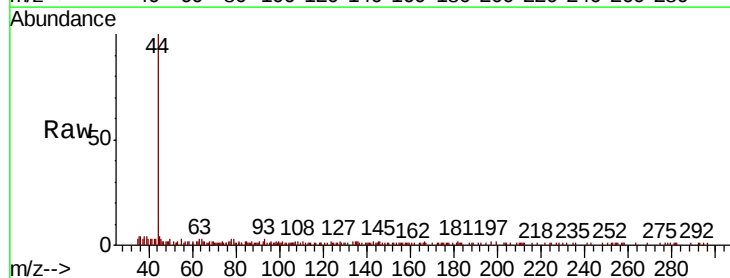
Acq: 06 Feb 2020 16:33

Tgt Ion: 85 Resp: 153

Ion Ratio Lower Upper

85 100

87 60.2 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300

250

200

150

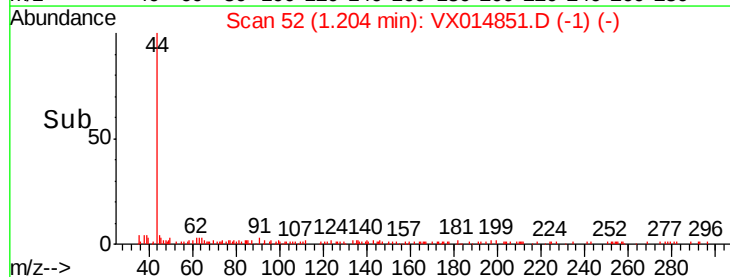
100

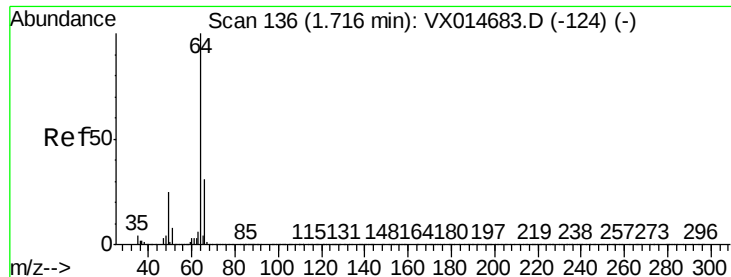
50

0

Time-->

1.19 1.20 1.21





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 131

Delta R.T. -0.03 min

Lab File: VX014851.D

Acq: 06 Feb 2020 16:33

Instrument :

MSVOA_X

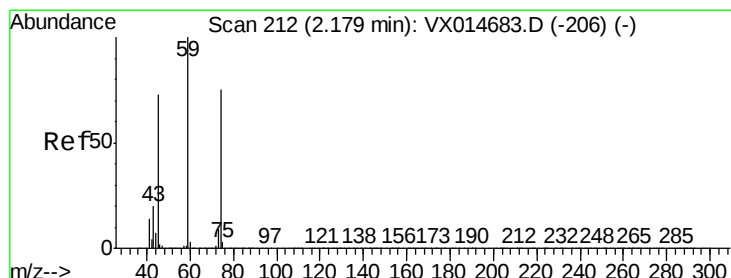
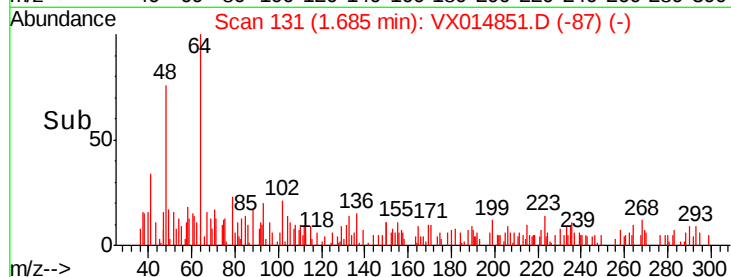
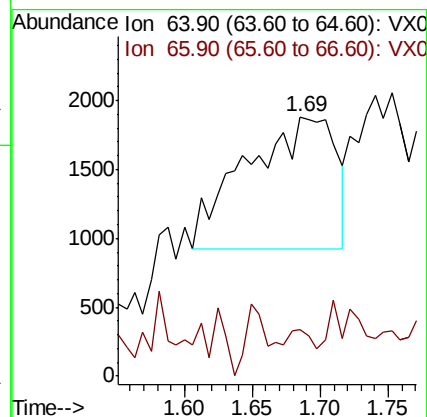
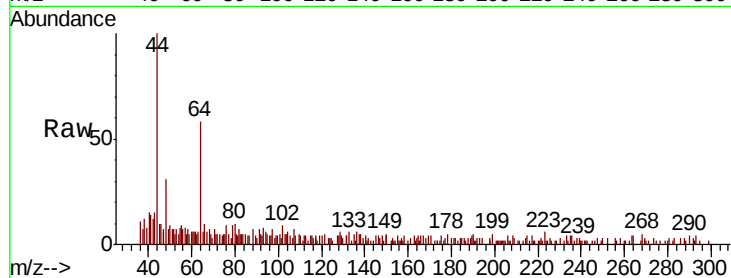
ClientSampled :

Tot Ion: 64 Resp: 4381

Ion Ratio Lower Upper

64 100

66 6.6 25.2 37.8#



#8

Diethyl Ether

Concen: 0.206 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX014851.D

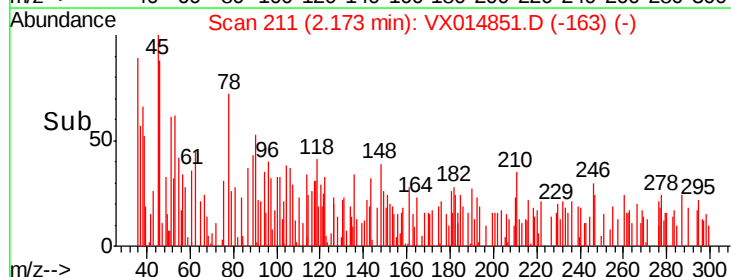
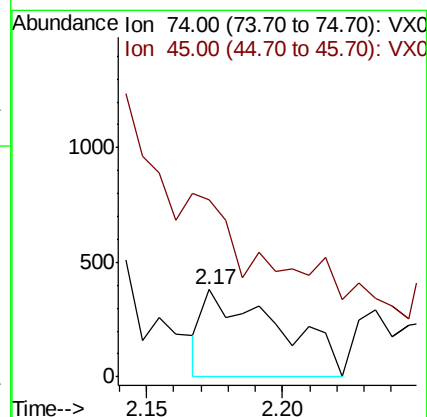
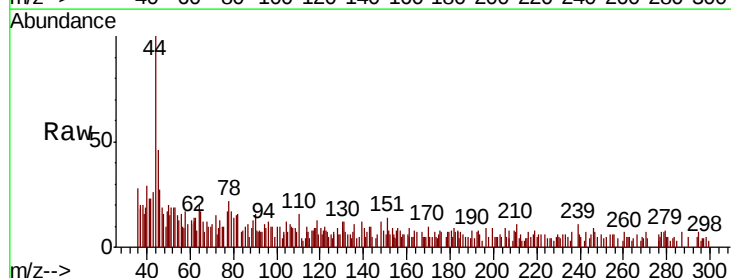
Acq: 06 Feb 2020 16:33

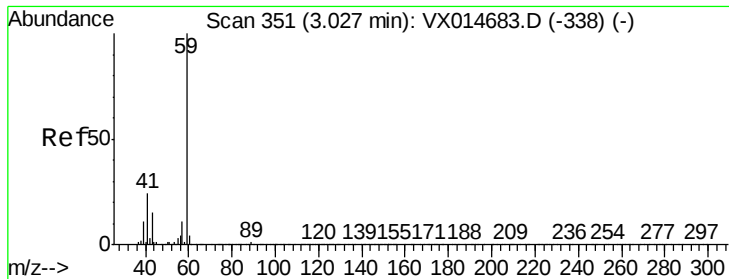
Tgt Ion: 74 Resp: 733

Ion Ratio Lower Upper

74 100

45 0.0 49.4 148.0#

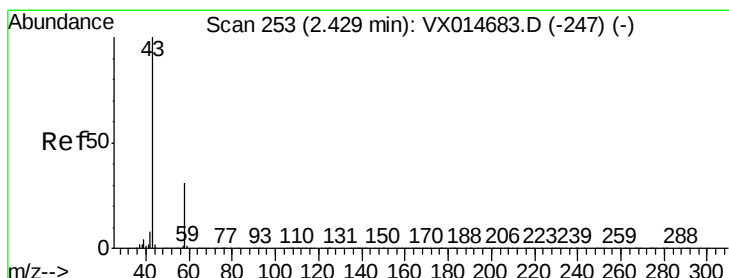
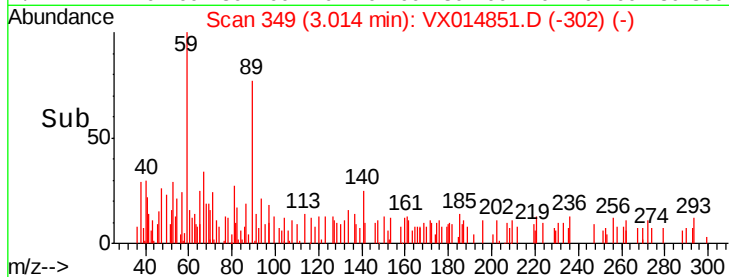
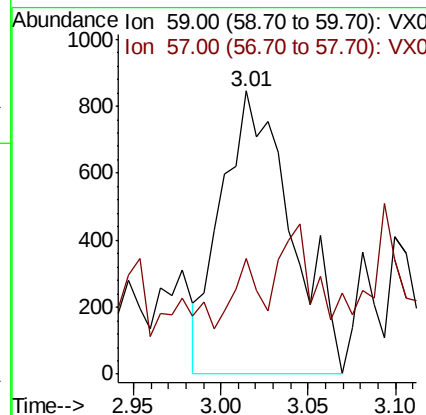
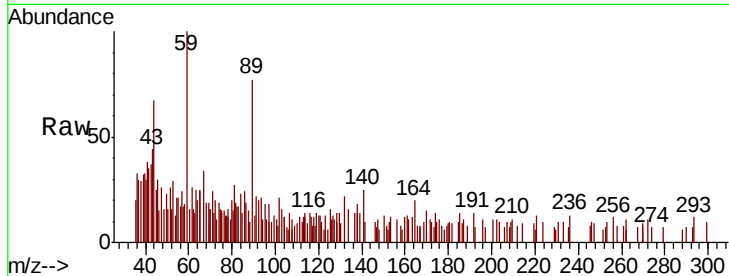




#11
Tert butyl alcohol
Concen: 1.877 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

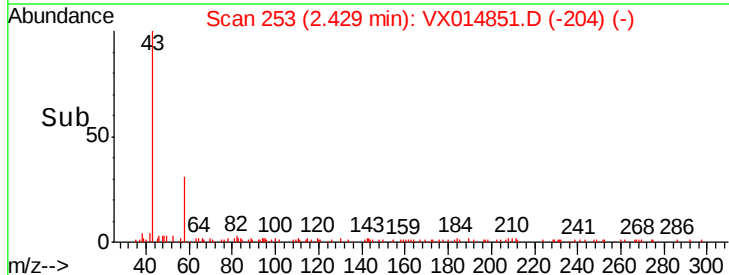
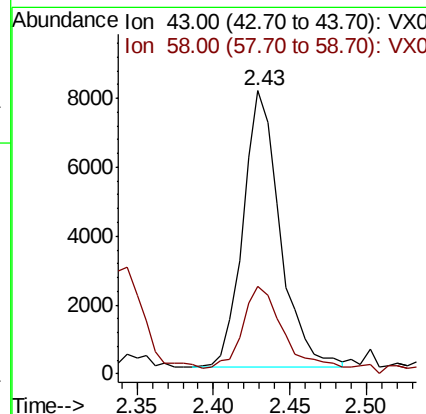
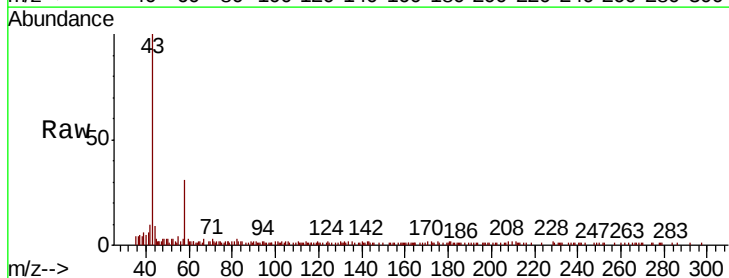
Instrument :
MSVOA_X
ClientSampleId :

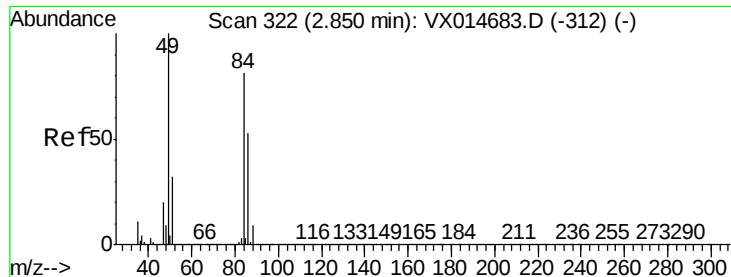
Tot Ion: 59 Resp: 2351
Ion Ratio Lower Upper
59 100
57 13.9 8.3 12.5#



#16
Acetone
Concen: 4.584 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

Tgt Ion: 43 Resp: 13566
Ion Ratio Lower Upper
43 100
58 29.2 24.5 36.7

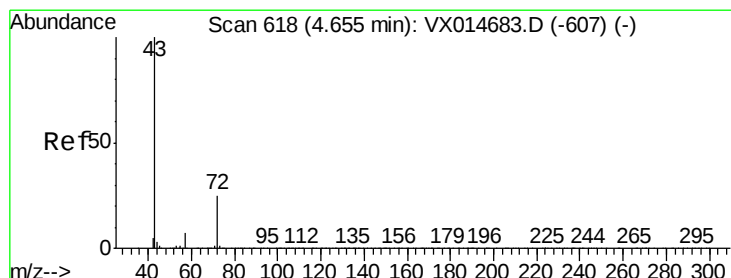
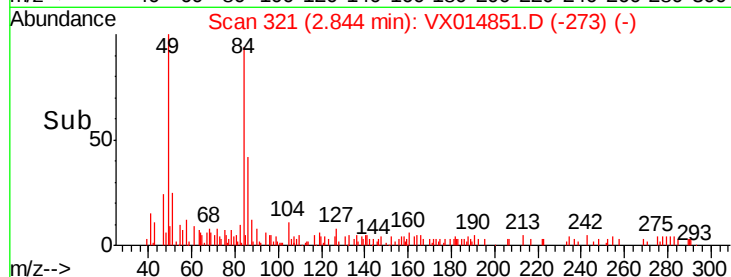
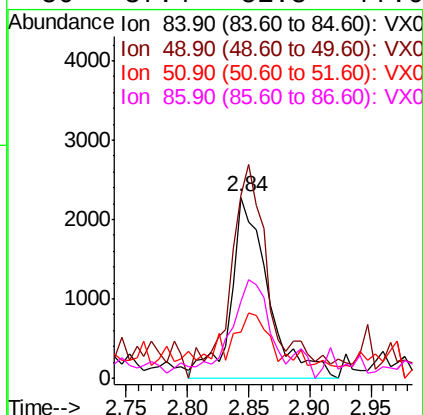
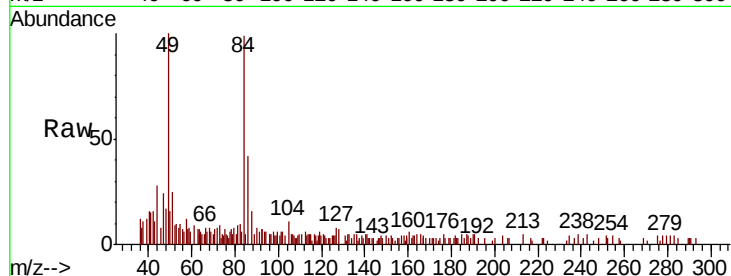




#20
Methvlene Chloride
Concen: 0.846 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

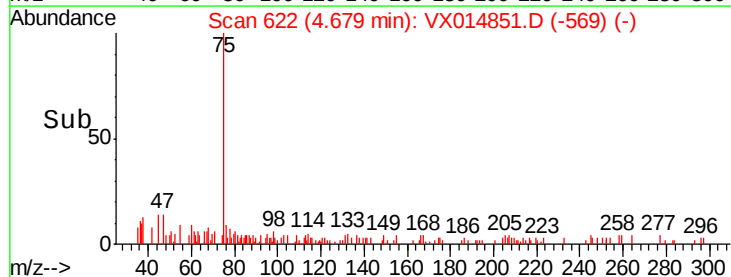
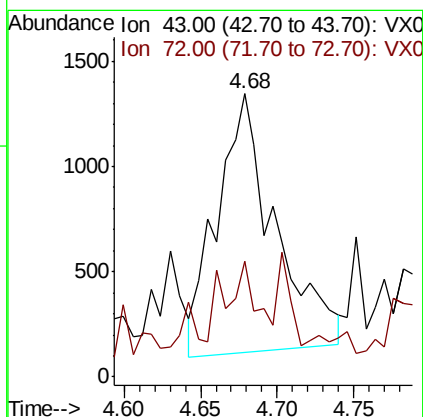
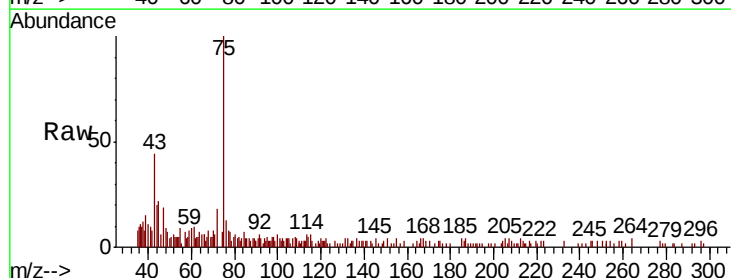
Instrument :
MSVOA_X
ClientSampleId :

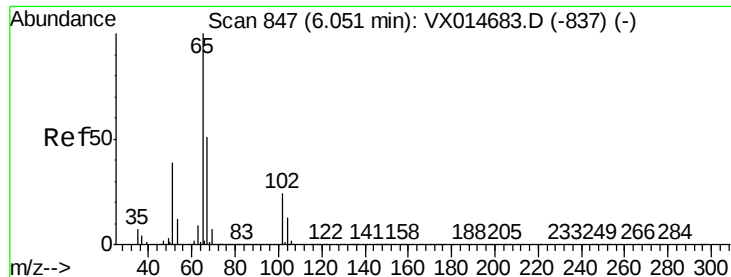
Tot Ion: 84 Resp: 4788
Ion Ratio Lower Upper
84 100
49 101.5 98.2 147.4
51 18.7 31.3 46.9#
86 37.4 51.8 77.6#



#25
2-Butanone
Concen: 0.745 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

Tgt Ion: 43 Resp: 3262
Ion Ratio Lower Upper
43 100
72 34.1 19.9 29.9#





#33

1,2-Dichloroethane-d4

Concen: 47.952 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014851.D

Acq: 06 Feb 2020 16:33

Instrument :

MSVOA_X

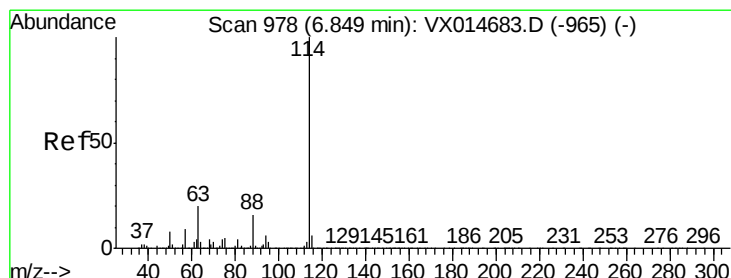
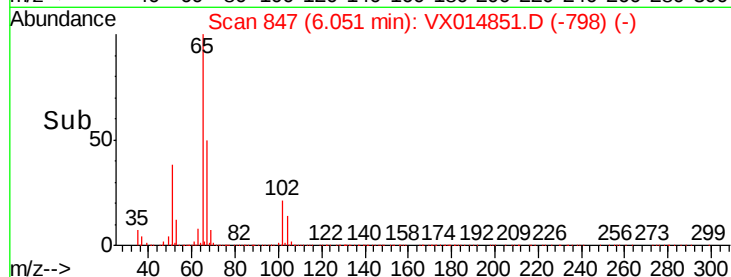
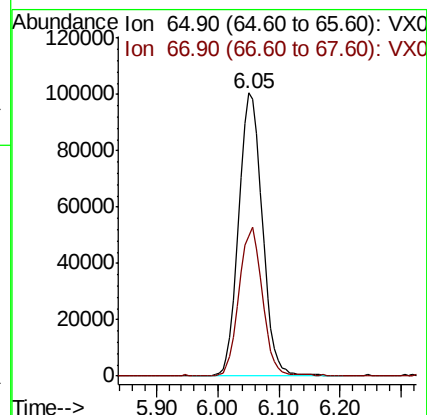
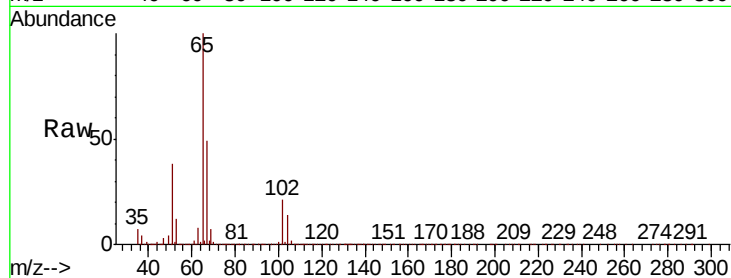
ClientSampled :

Tot Ion: 65 Resp: 267546

Ion Ratio Lower Upper

65 100

67 50.9 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: VX014851.D

Acq: 06 Feb 2020 16:33

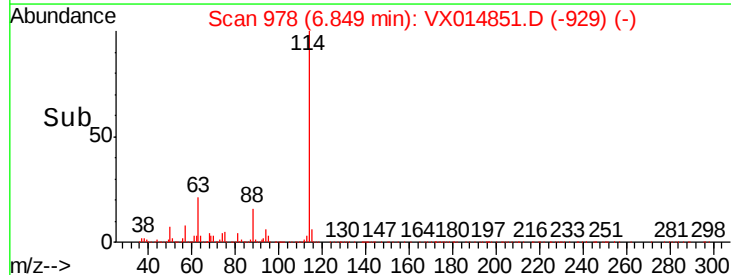
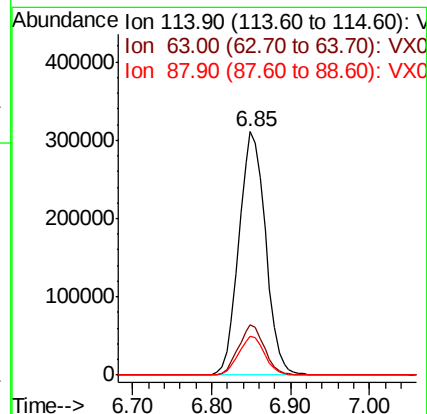
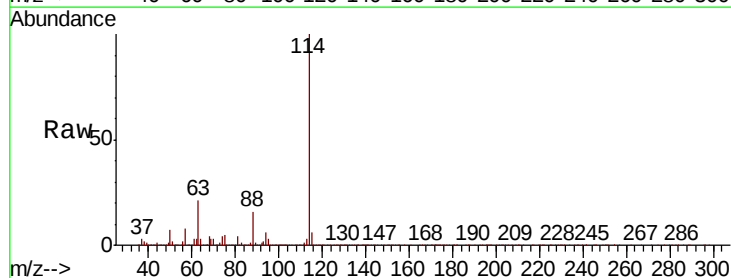
Tgt Ion: 114 Resp: 731524

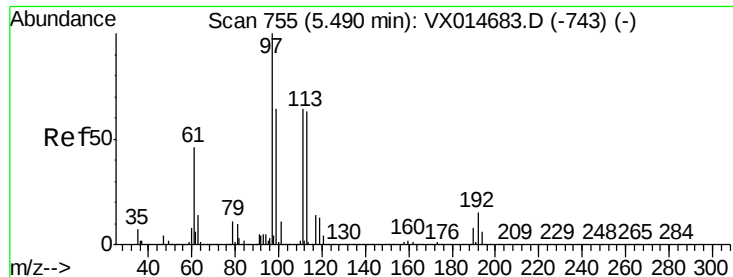
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

88 15.6 0.0 31.2

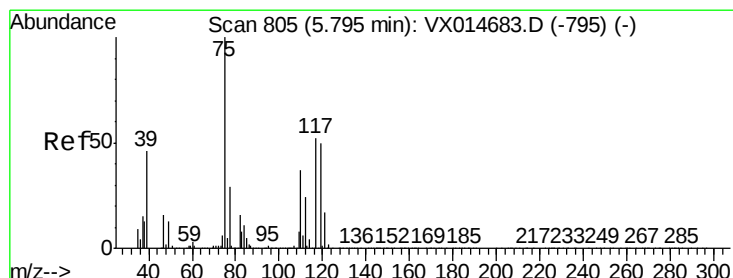
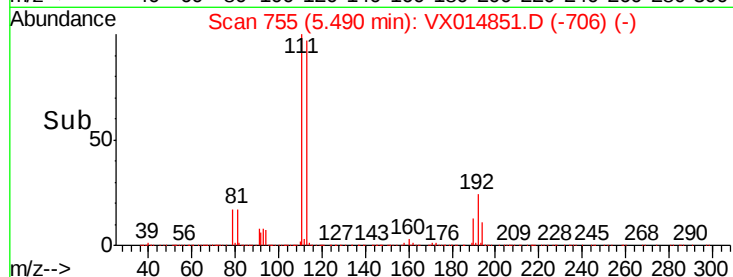
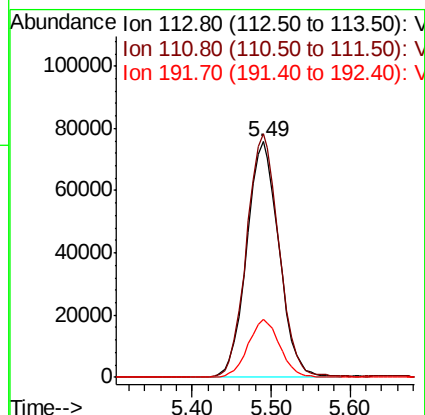
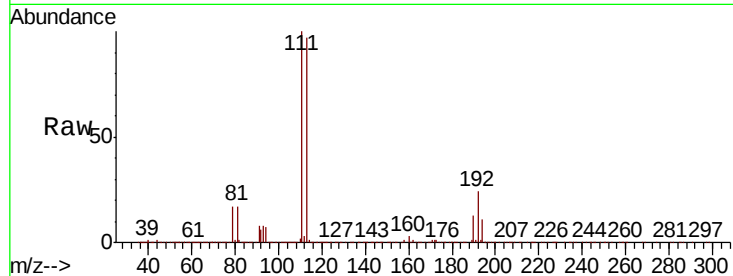




#35
 Dibromofluoromethane
 Concen: 46.516 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014851.D
 Acq: 06 Feb 2020 16:33

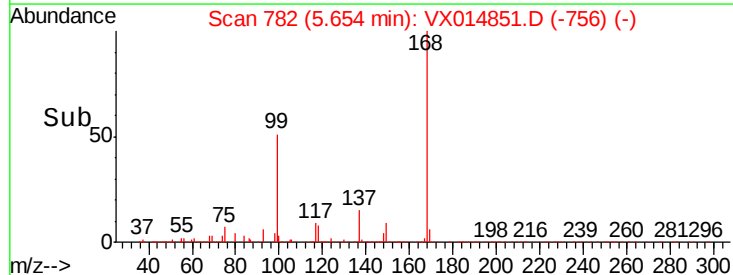
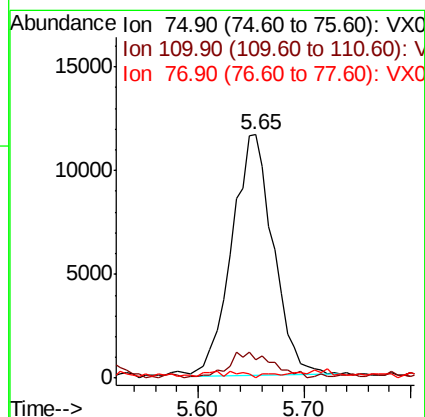
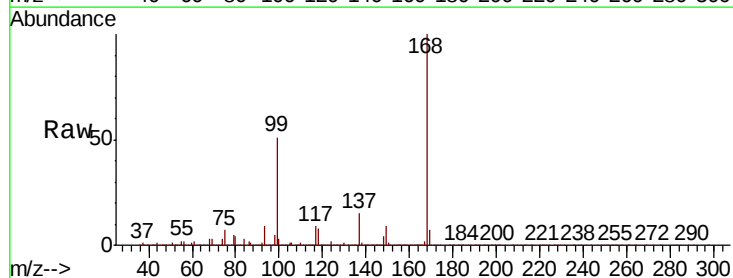
Instrument :
 MSVOA_X
 ClientSampled :

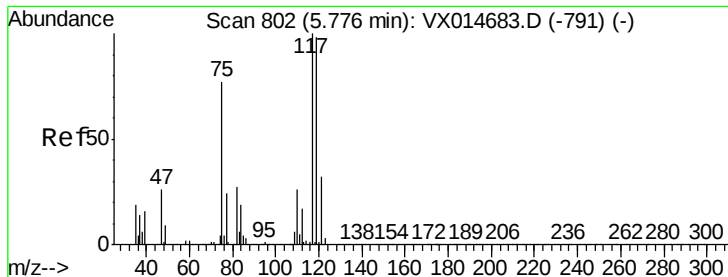
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.7	121.1
192	24.4	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.672 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014851.D
 Acq: 06 Feb 2020 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	17.9	53.7#
77	0.9	24.1	36.1#

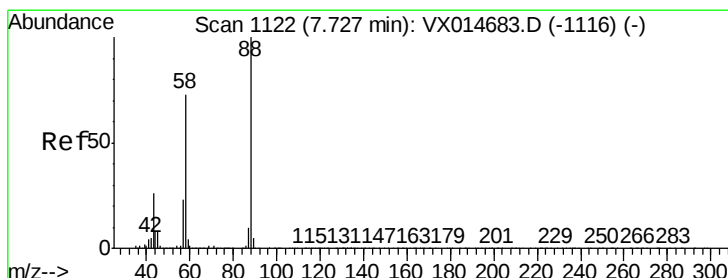
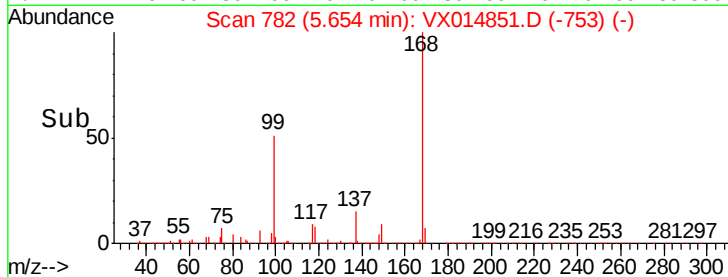
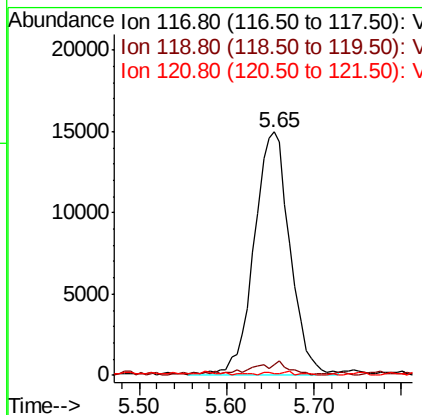
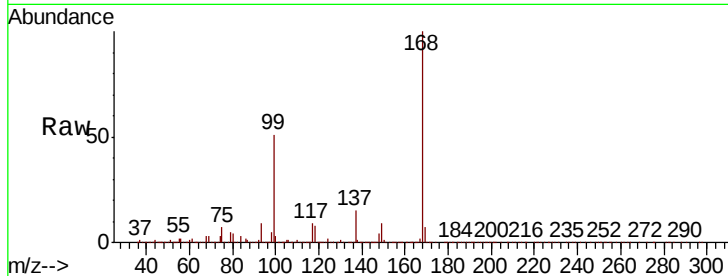




#38
Carbon Tetrachloride
Concen: 6.506 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

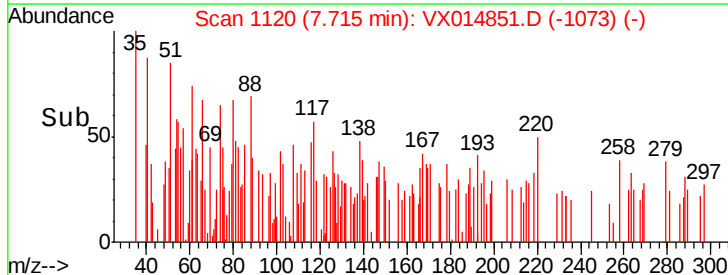
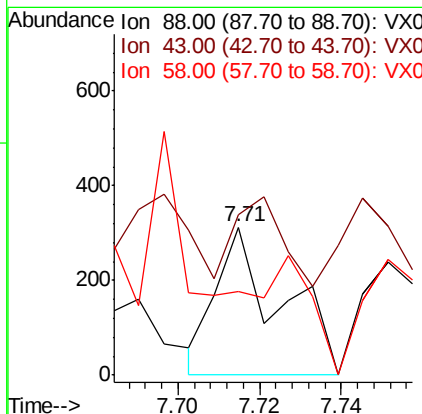
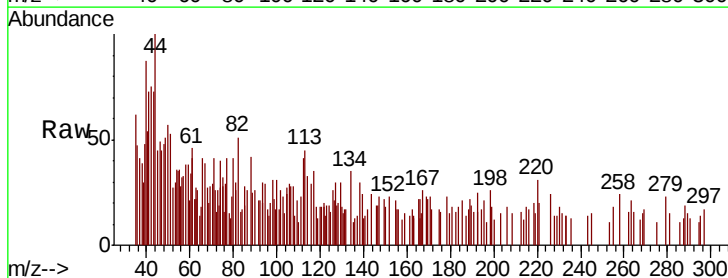
Instrument :
MSVOA_X
ClientSampled :

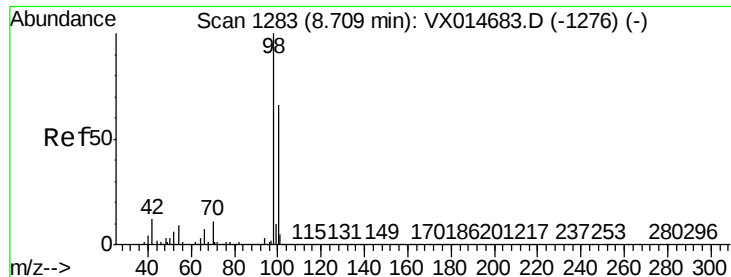
Tot Ion:117 Resp: 42238
Ion Ratio Lower Upper
117 100
119 3.9 77.9 116.9#
121 0.2 25.4 38.2#



#49
1,4-Dioxane
Concen: 2.649 ug/l
RT: 7.71 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

Tgt Ion: 88 Resp: 342
Ion Ratio Lower Upper
88 100
43 44.2 26.2 39.2#
58 0.0 56.6 85.0#





#50

Toluene-d8

Concen: 48.726 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014851.D

Acq: 06 Feb 2020 16:33

Instrument :

MSVOA_X

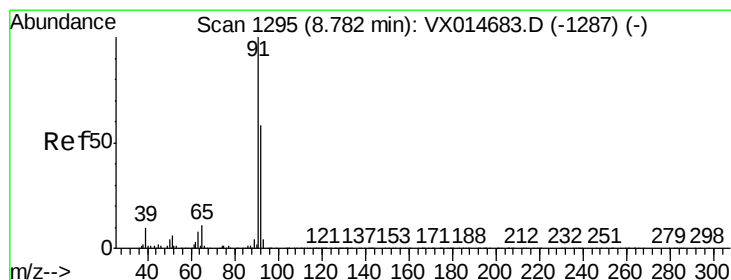
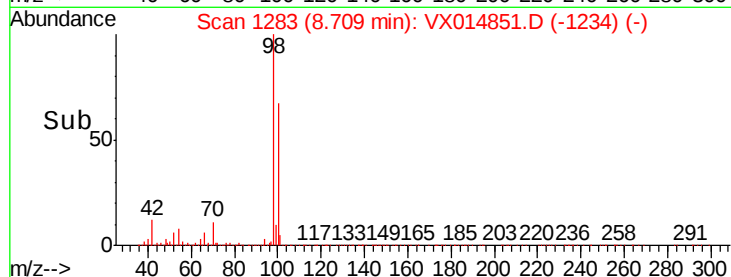
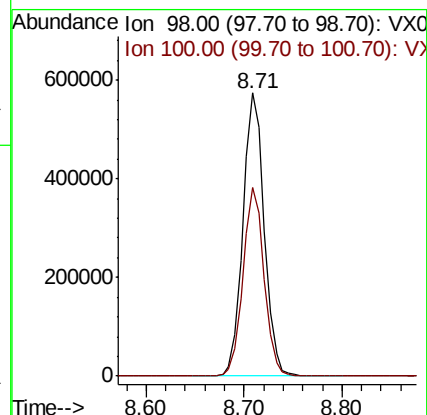
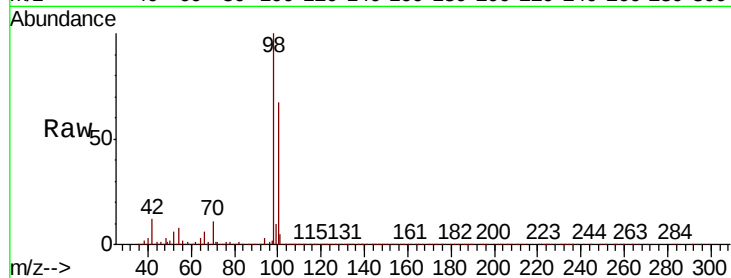
ClientSampleId :

Tot Ion: 98 Resp: 864652

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6



#52

Toluene

Concen: 0.532 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX014851.D

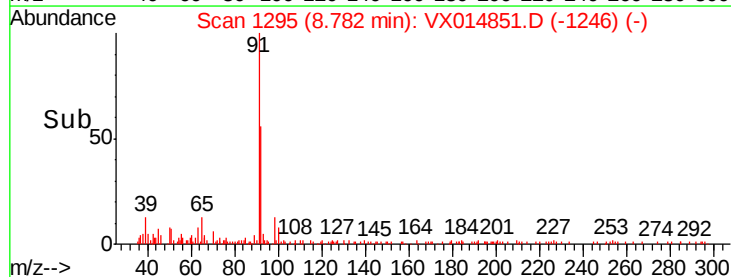
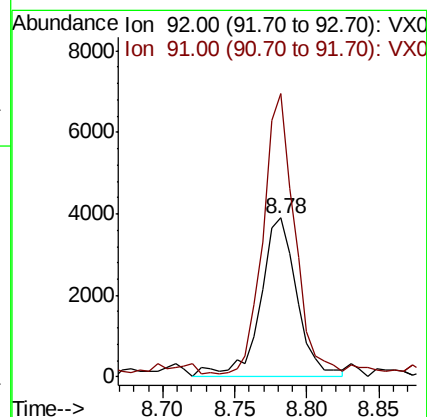
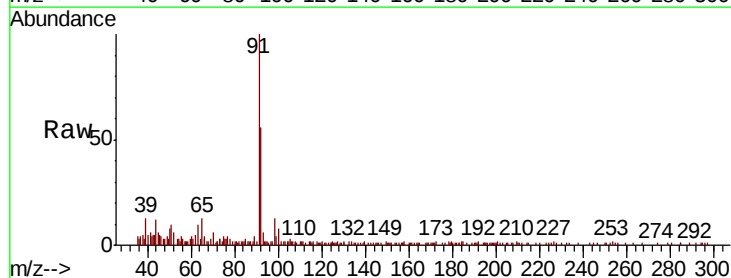
Acq: 06 Feb 2020 16:33

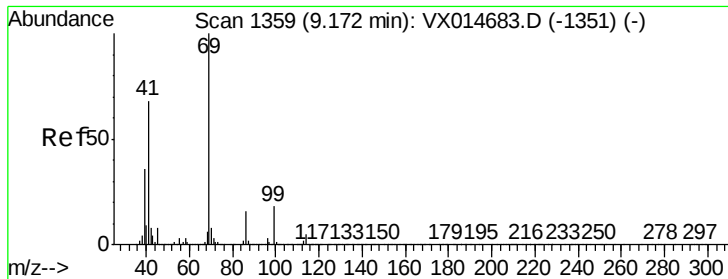
Tgt Ion: 92 Resp: 6864

Ion Ratio Lower Upper

92 100

91 149.8 135.9 203.9

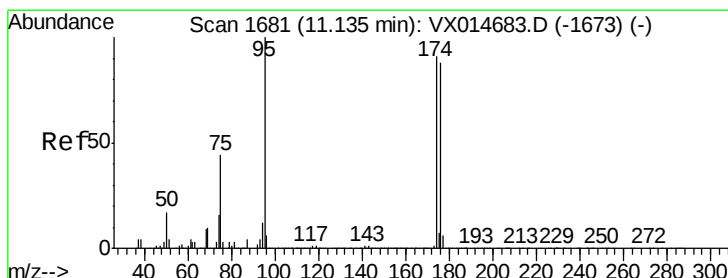
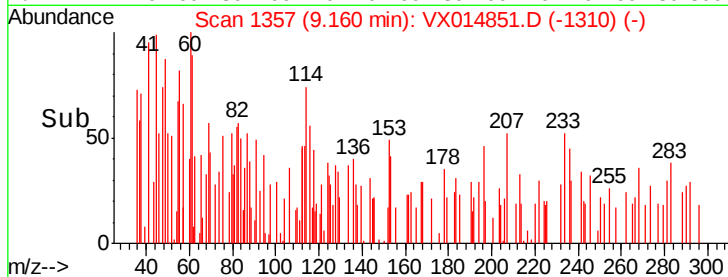
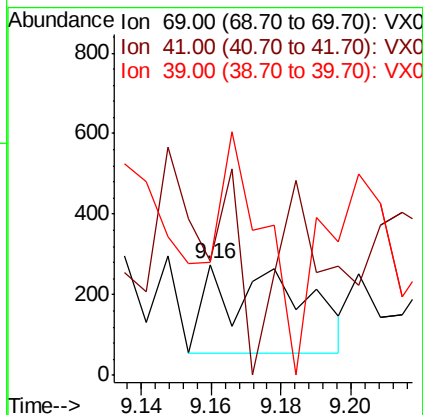
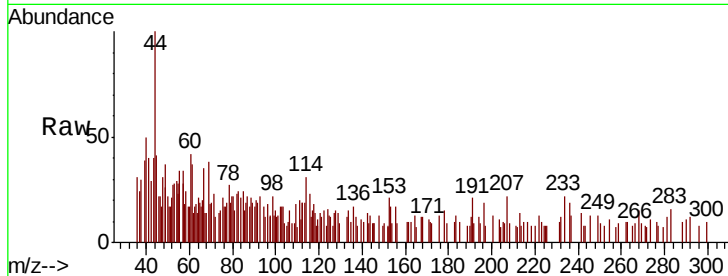




#56
Ethyl methacrylate
Concen: 1.825 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

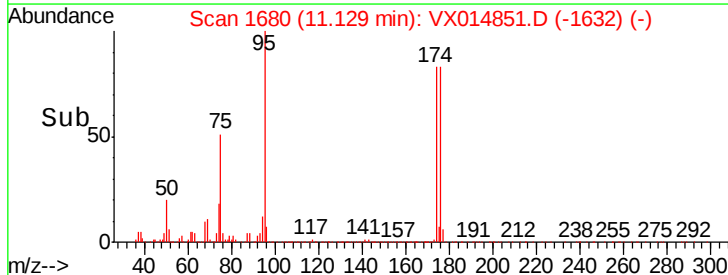
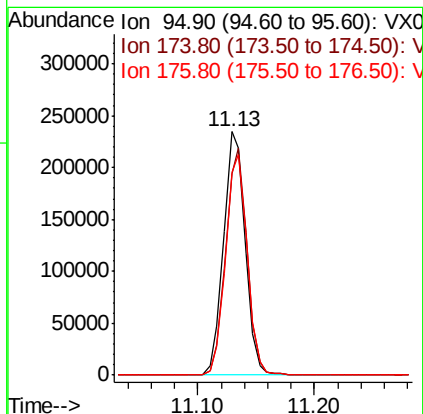
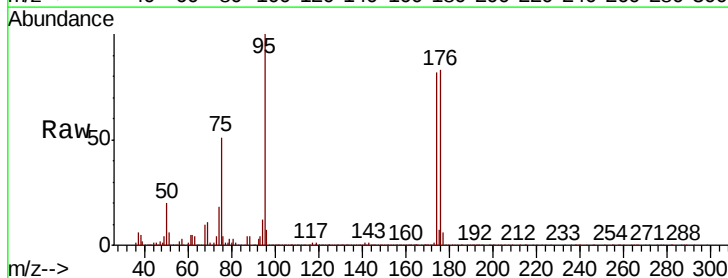
Instrument :
MSVOA_X
ClientSampleID :

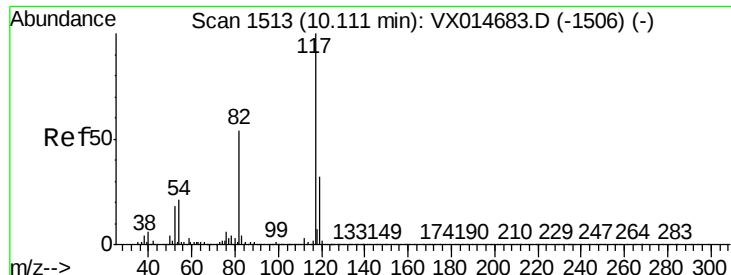
Tot Ion: 69 Resp: 380
Ion Ratio Lower Upper
69 100
41 0.0 54.9 82.3#
39 155.5 29.3 43.9#



#62
4-Bromofluorobenzene
Concen: 47.810 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

Tgt Ion: 95 Resp: 302218
Ion Ratio Lower Upper
95 100
174 91.9 0.0 176.0
176 90.1 0.0 172.2

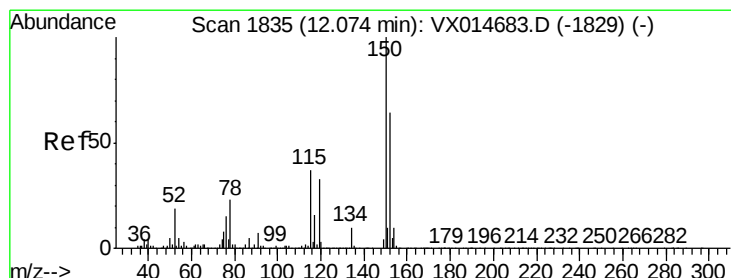
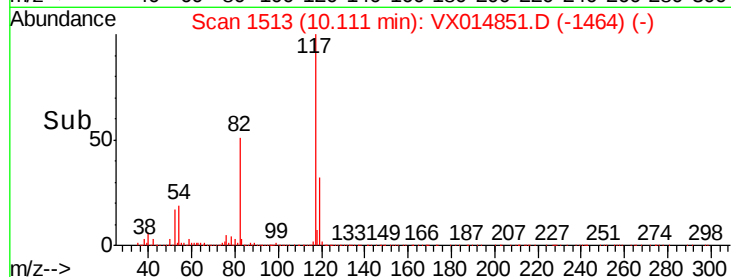
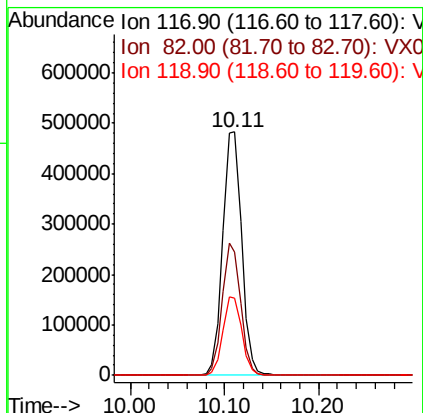
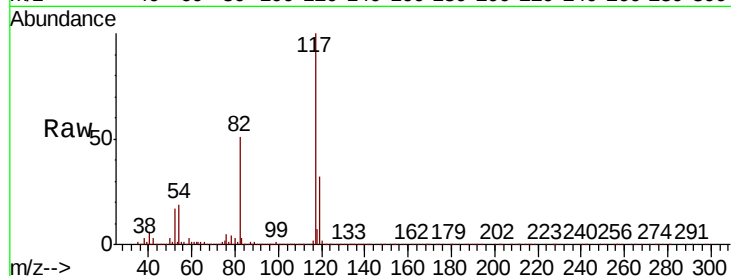




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

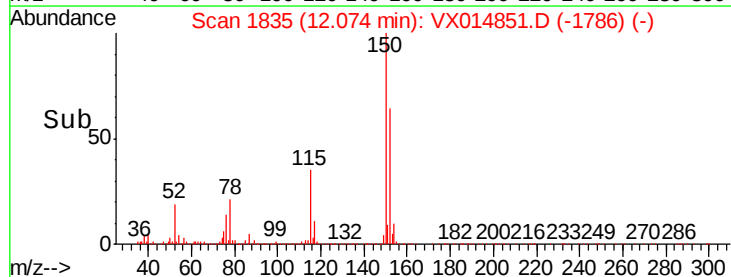
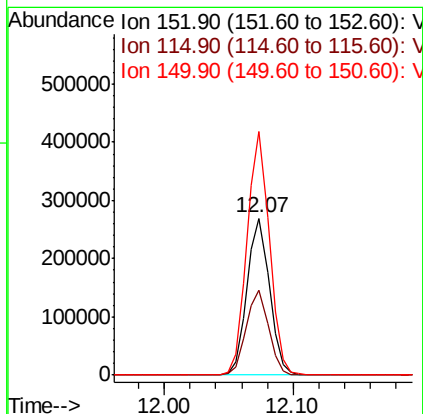
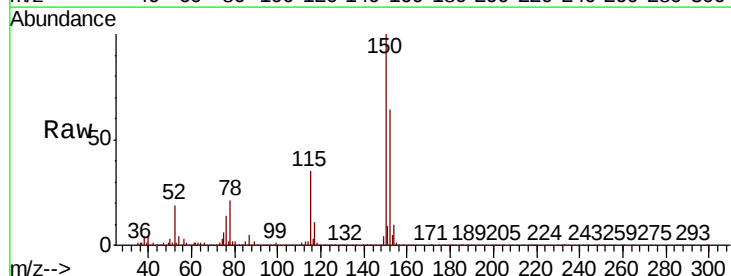
Instrument :
MSVOA_X
ClientSampleId :

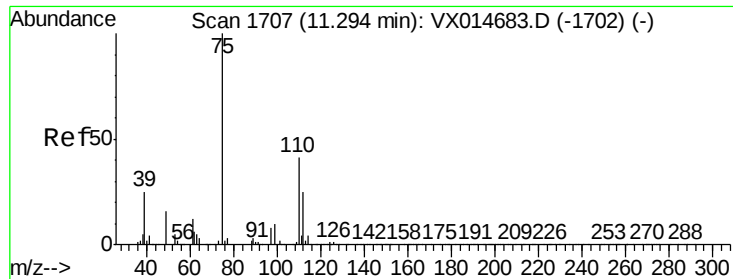
Tot Ion:117 Resp: 676433
Ion Ratio Lower Upper
117 100
82 50.6 43.2 64.8
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

Tgt Ion:152 Resp: 323118
Ion Ratio Lower Upper
152 100
115 54.2 39.4 118.1
150 154.3 0.0 351.2

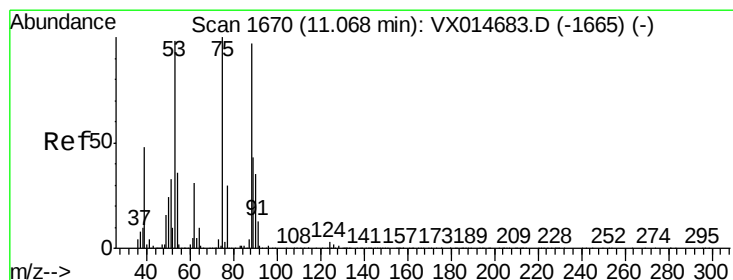
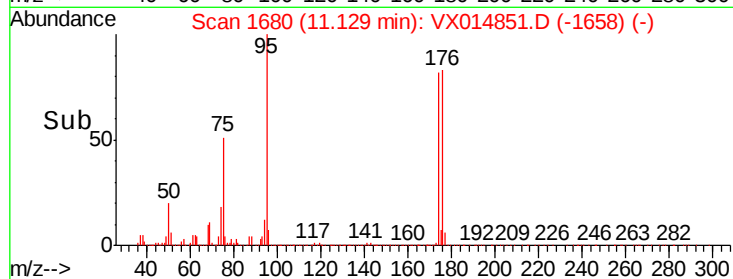
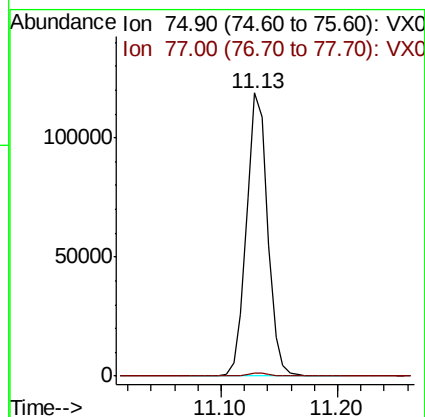
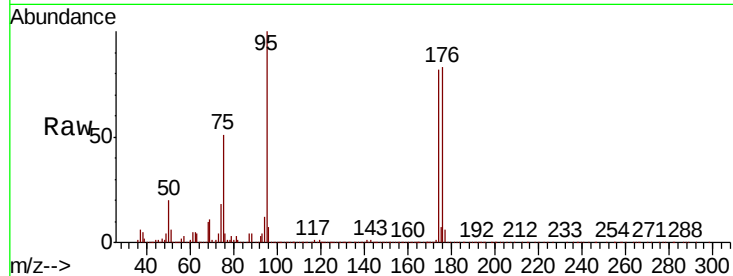




#76
 1,2,3-Trichloropropane
 Concen: 20.091 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014851.D
 Acq: 06 Feb 2020 16:33

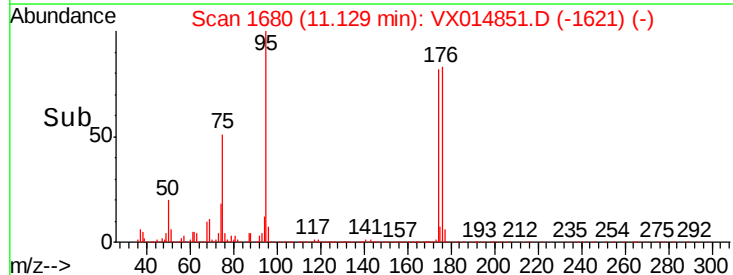
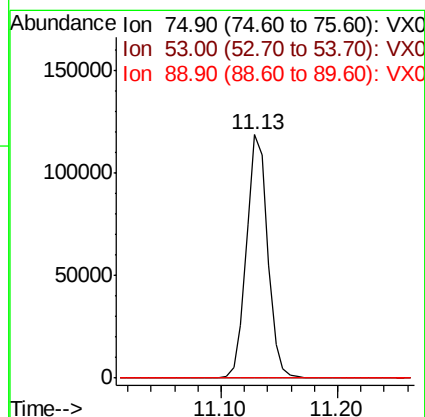
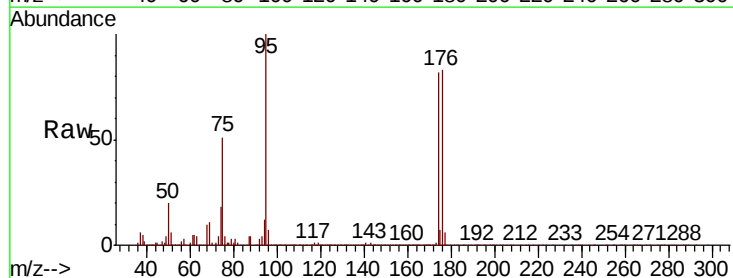
Instrument :
 MSVOA_X
 ClientSampled :

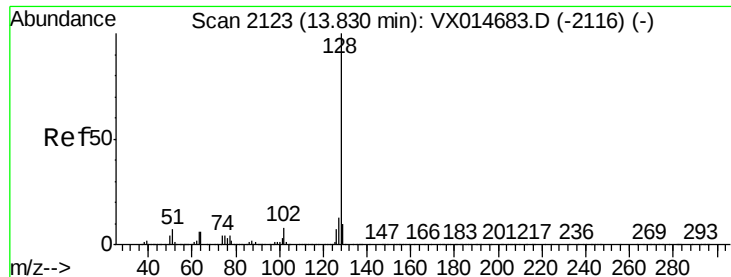
Tot Ion: 75 Resp: 151032
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.7 56.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.174 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014851.D
 Acq: 06 Feb 2020 16:33

Tgt Ion: 75 Resp: 151032
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.8 118.2#
 89 0.2 35.4 53.0#





#95
Naphthalene
Concen: 0.990 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014851.D
Acq: 06 Feb 2020 16:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	33.7	10.3	15.5#
129	21.6	8.6	12.8#

