

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021120\
 Data File : VX014905.D
 Acq On : 11 Feb 2020 10:32
 Operator : JC/SP
 Sample : VX0211MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 12 05:40:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	445210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	702511	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	638032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	296818	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	258175	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
35) Dibromofluoromethane	5.48	113	213588	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	8.71	98	822838	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.13	95	283788	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

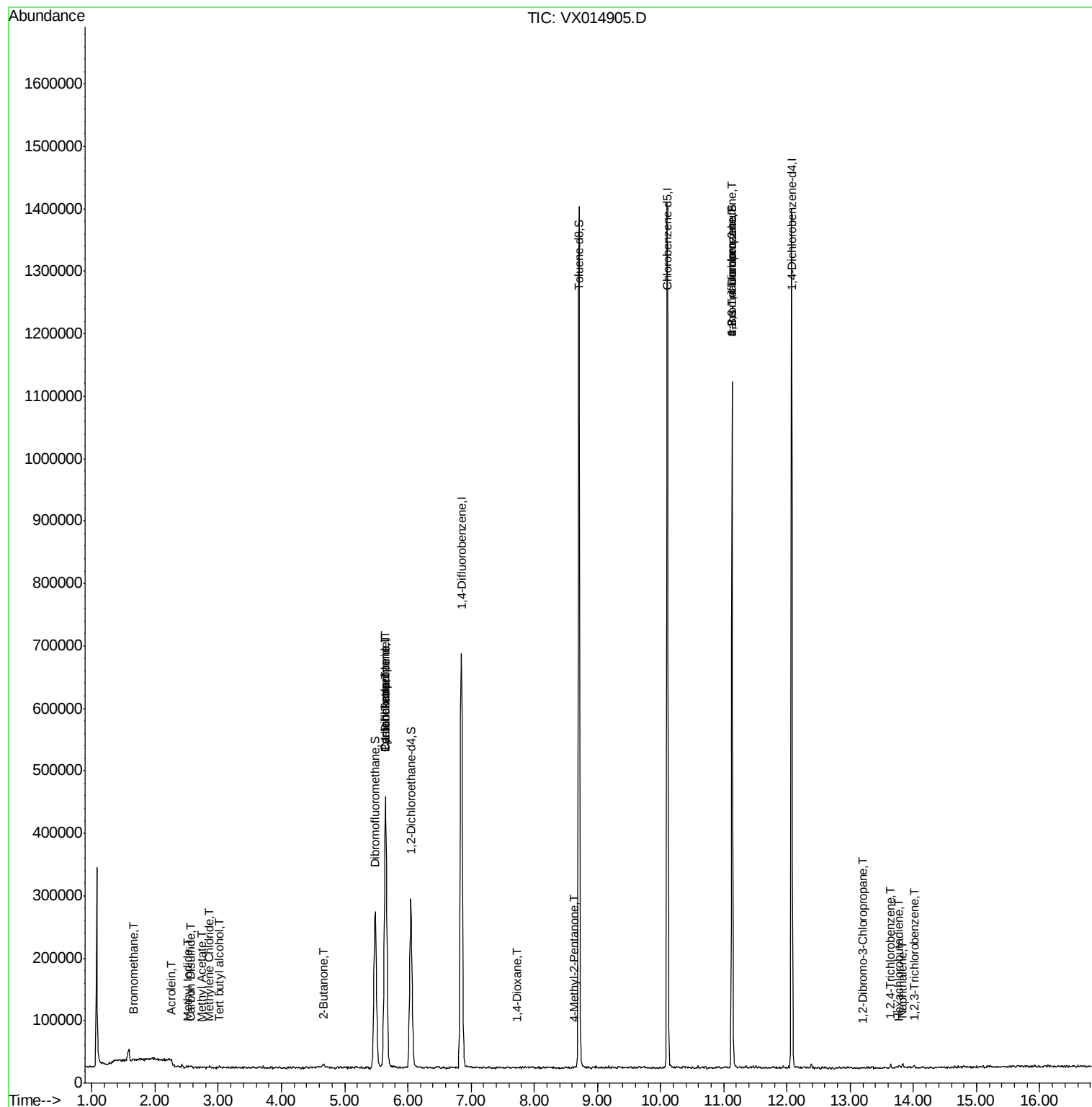
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1842	0.553	ug/l	95
10) Methyl Iodide	2.51	142	2155	4.791	ug/l #	74
11) Tert butyl alcohol	3.03	59	397	0.447	ug/l #	52
13) Acrolein	2.26	56	210	0.311	ug/l #	68
16) Acetone	2.43	43	5765	Below Cal	#	78
17) Carbon Disulfide	2.56	76	2892	0.254	ug/l #	63
18) Methyl Acetate	2.75	43	1077	0.213	ug/l #	79
20) Methylene Chloride	2.84	84	1487	0.308	ug/l #	75
25) 2-Butanone	4.67	43	1132	0.331	ug/l #	21
31) Cyclohexane	5.64	56	9705	1.366	ug/l #	13
36) 1,1-Dichloropropene	5.64	75	30101	4.790	ug/l #	51
38) Carbon Tetrachloride	5.65	117	39404	6.434	ug/l #	16
49) 1,4-Dioxane	7.73	88	261	2.623	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	1338	0.205	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	144480	26.918	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	144480	68.902	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.19	75	304	0.213	ug/l	64
93) 1,2,4-Trichlorobenzene	13.64	180	1789	0.265	ug/l	94
94) Hexachlorobutadiene	13.78	225	699	0.214	ug/l	82
95) Naphthalene	13.83	128	4533	0.253	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.01	180	1697	0.260	ug/l #	80

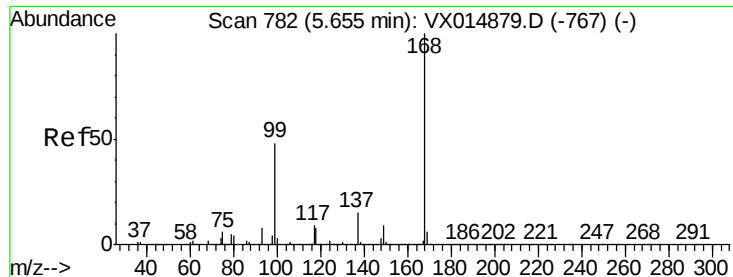
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021120\
Data File : VX014905.D
Acq On : 11 Feb 2020 10:32
Operator : JC/SP
Sample : VX0211MBL01
Misc : 5.0µL/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 12 05:40:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration



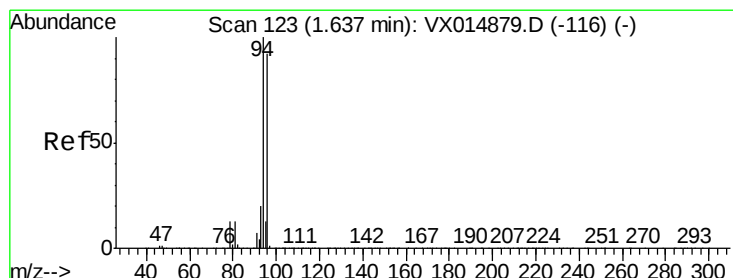
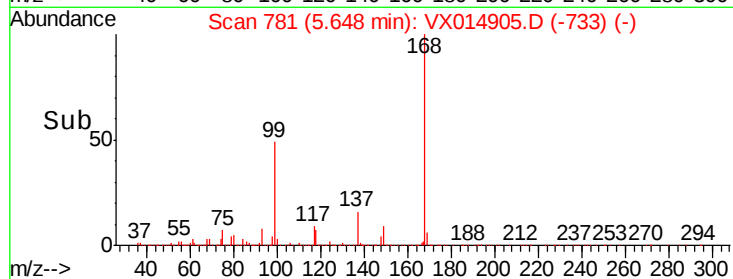
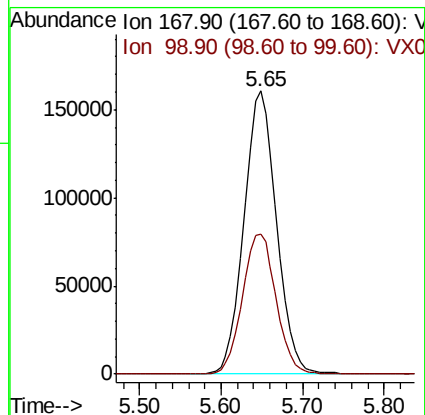
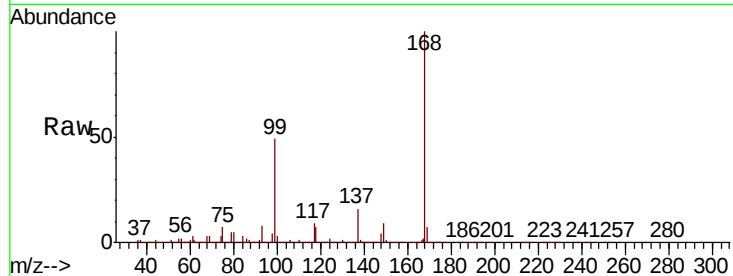


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: VX014905.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_X
 ClientSampleId :

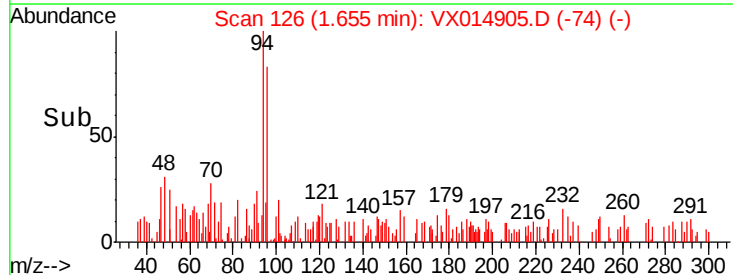
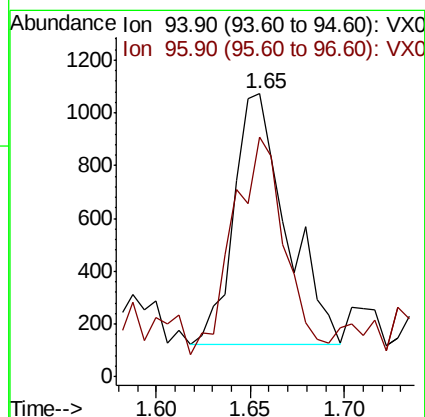
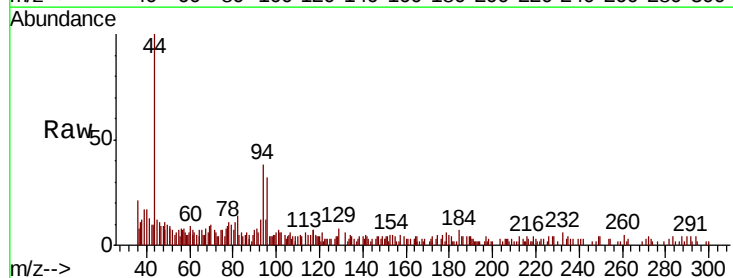
Tot Ion:168 Resp: 445210
 Ion Ratio Lower Upper
 168 100
 99 49.4 38.7 58.1

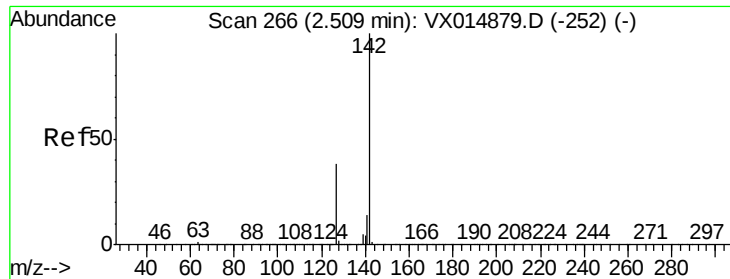


#5

Bromomethane
 Concen: 0.553 ug/l
 RT: 1.65 min Scan# 126
 Delta R.T. 0.02 min
 Lab File: VX014905.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 94 Resp: 1842
 Ion Ratio Lower Upper
 94 100
 96 87.2 73.7 110.5

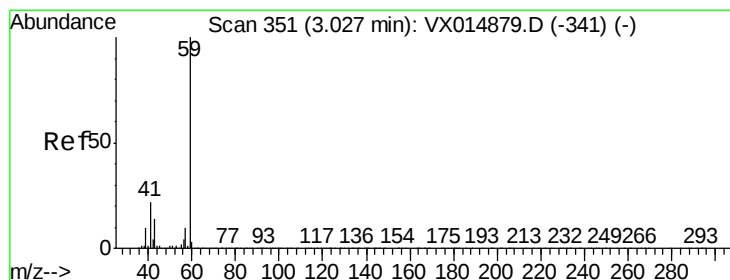
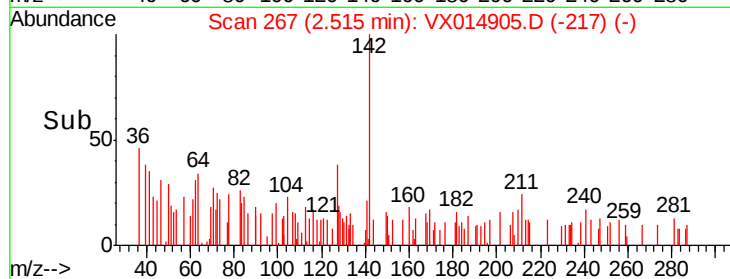
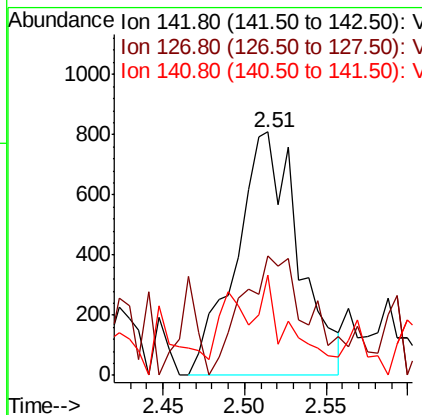
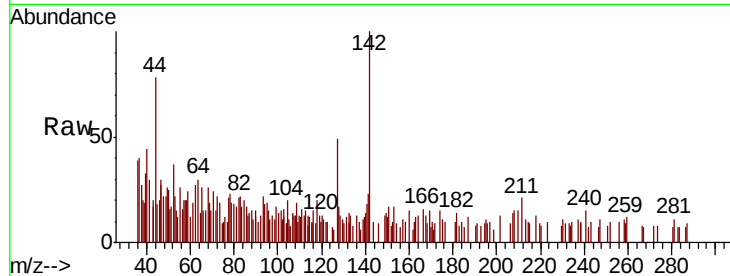




#10
Methyl Iodide
Concen: 4.791 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

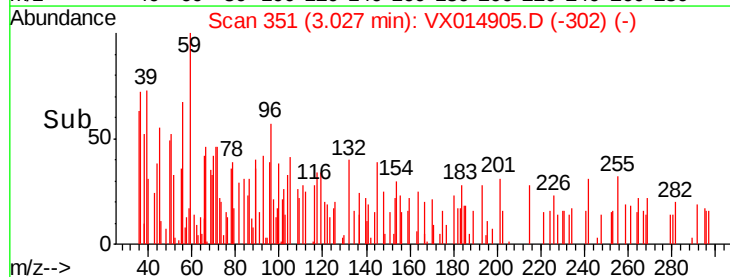
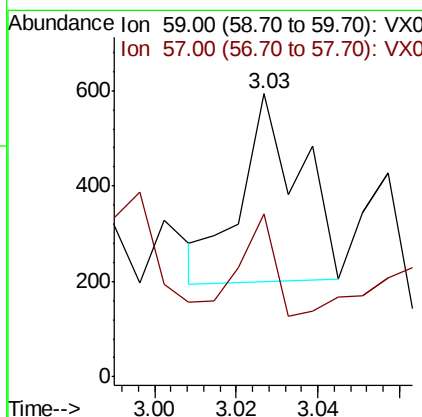
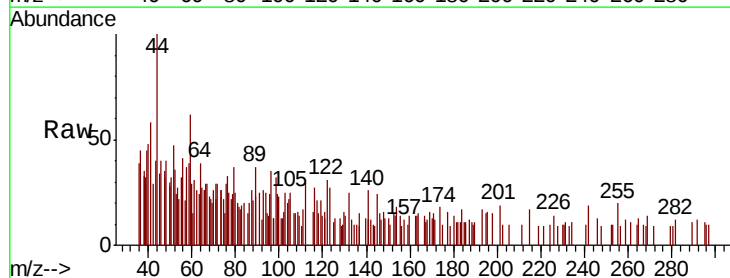
Instrument :
MSVOA_X
ClientSampled :

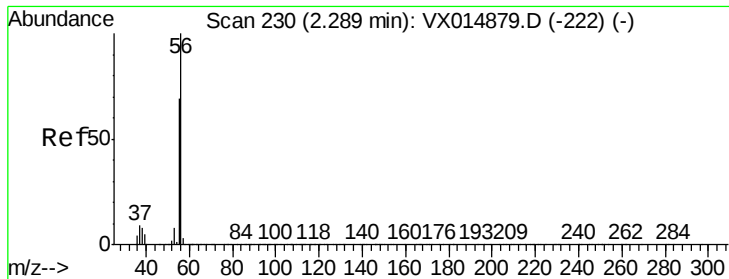
Tot Ion: 142 Resp: 2155
Ion Ratio Lower Upper
142 100
127 52.5 31.1 46.7#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.447 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 59 Resp: 397
Ion Ratio Lower Upper
59 100
57 28.2 8.2 12.4#

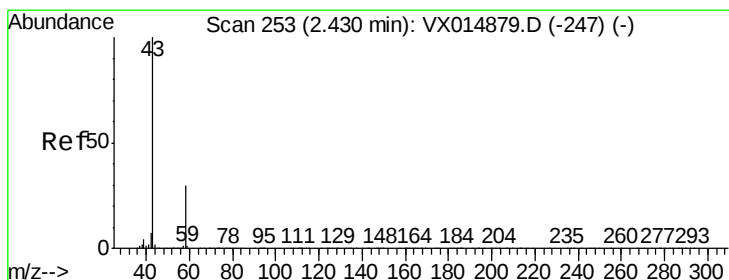
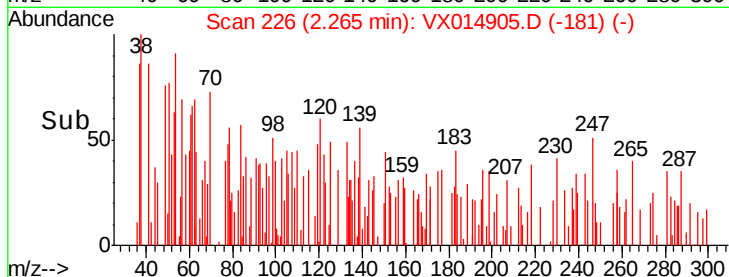
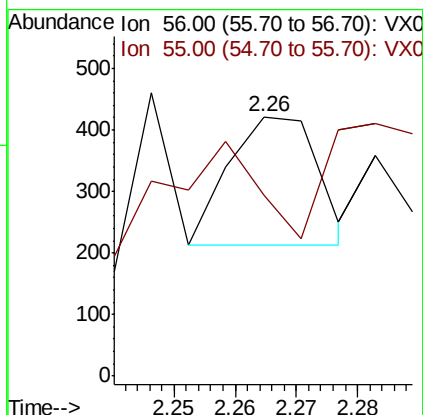
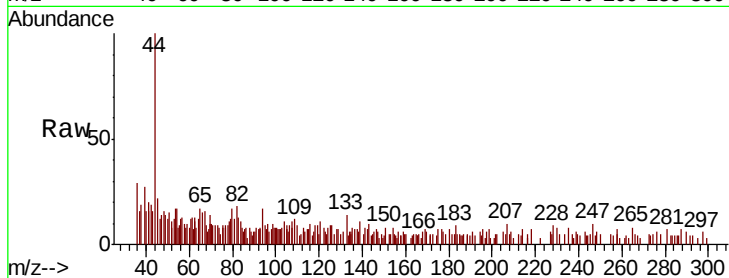




#13
Acrolein
Concen: 0.311 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

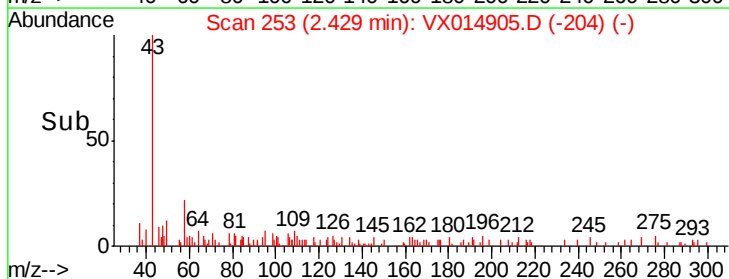
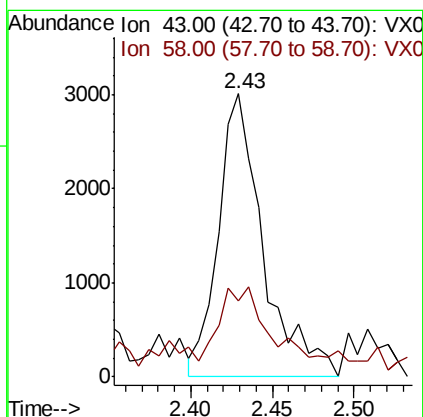
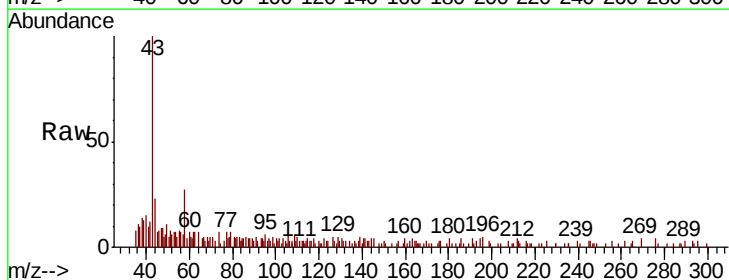
Instrument :
MSVOA_X
ClientSampleId :

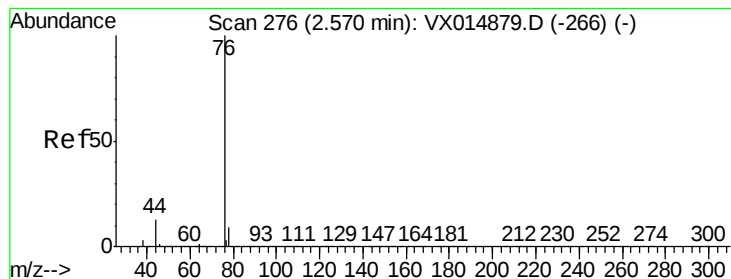
Tot Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 94.8 55.0 82.4#



#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 43 Resp: 5765
Ion Ratio Lower Upper
43 100
58 18.0 24.1 36.1#





#17

Carbon Disulfide

Concen: 0.254 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014905.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_X

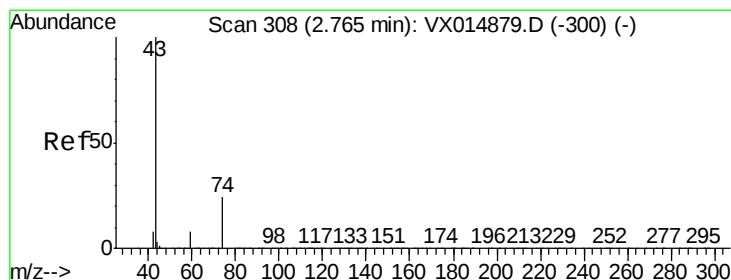
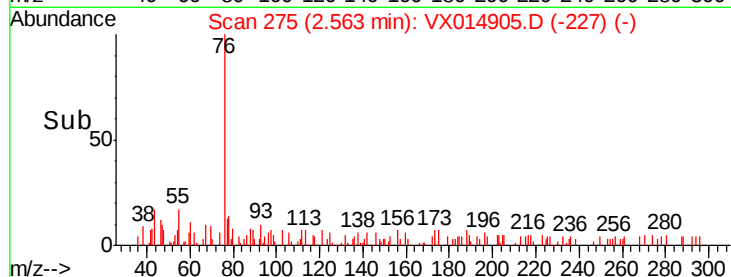
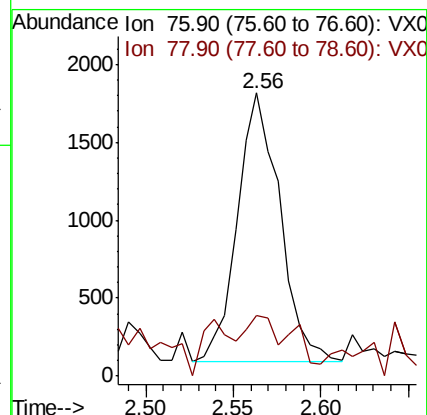
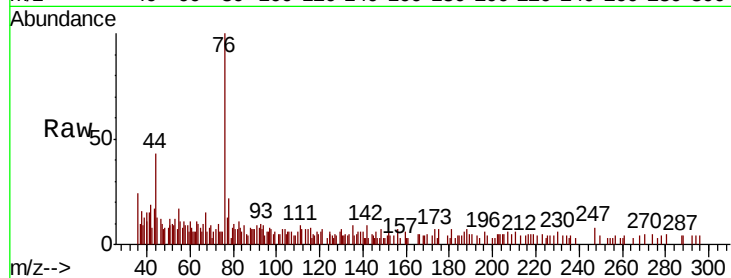
ClientSampled :

Tot Ion: 76 Resp: 2892

Ion Ratio Lower Upper

76 100

78 22.8 7.4 11.0#



#18

Methyl Acetate

Concen: 0.213 ug/l

RT: 2.75 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX014905.D

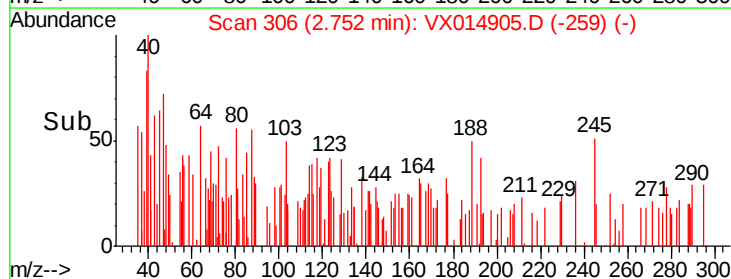
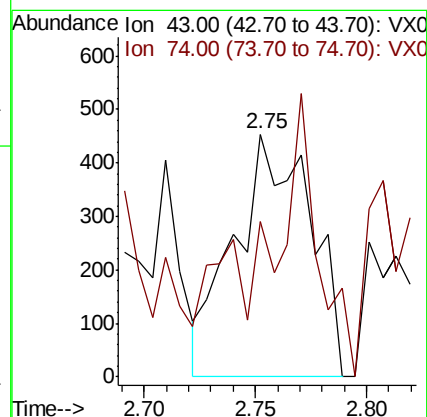
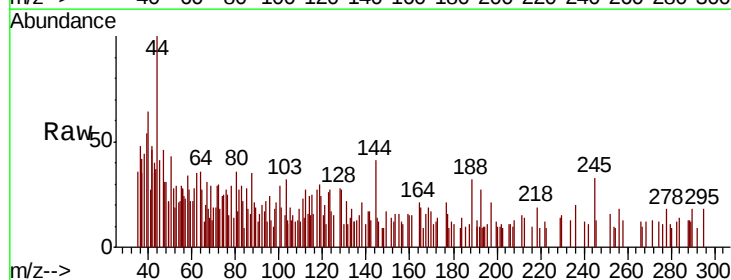
Acq: 11 Feb 2020 10:32

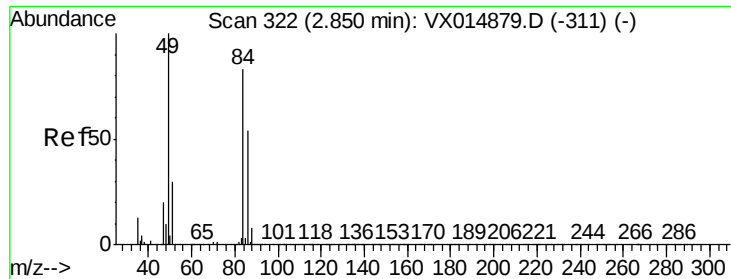
Tgt Ion: 43 Resp: 1077

Ion Ratio Lower Upper

43 100

74 13.7 19.4 29.0#

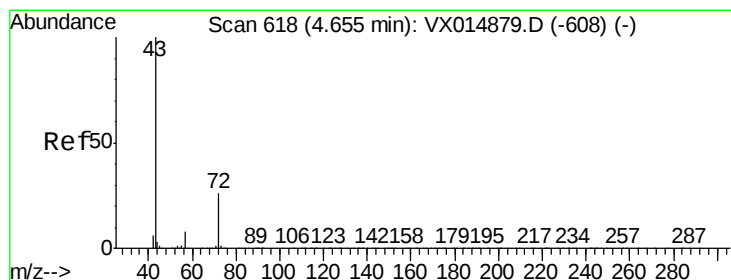
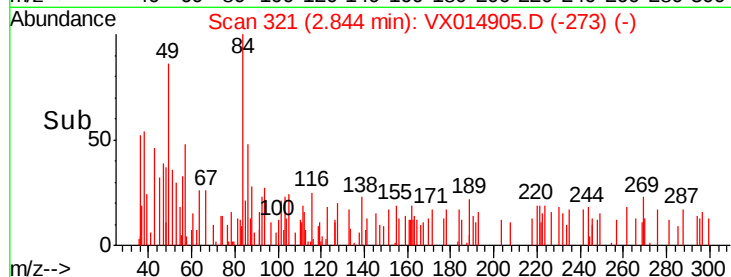
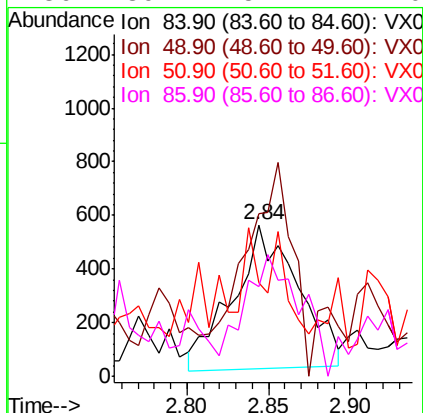
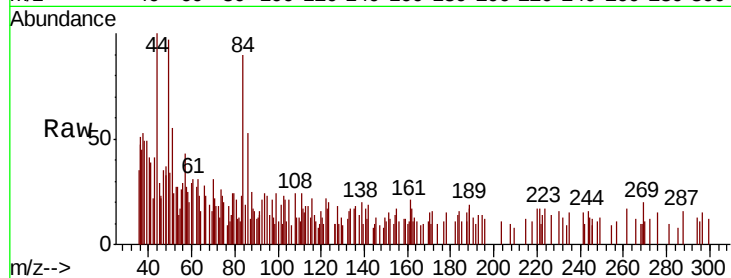




#20
Methvlene Chloride
Concen: 0.308 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

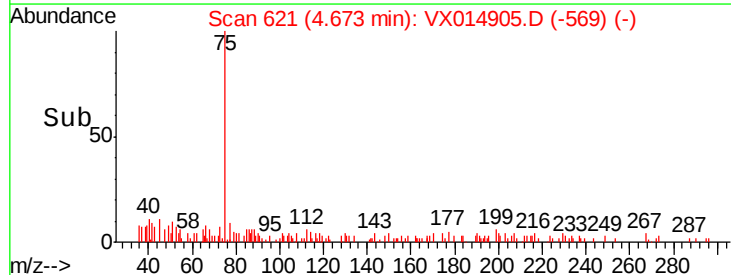
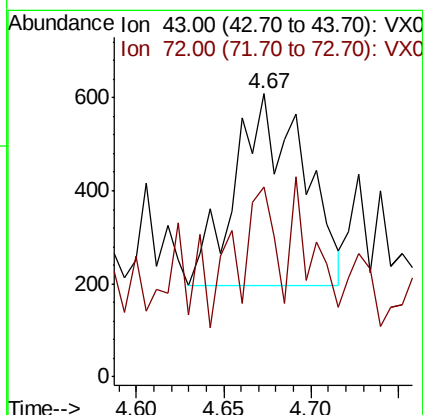
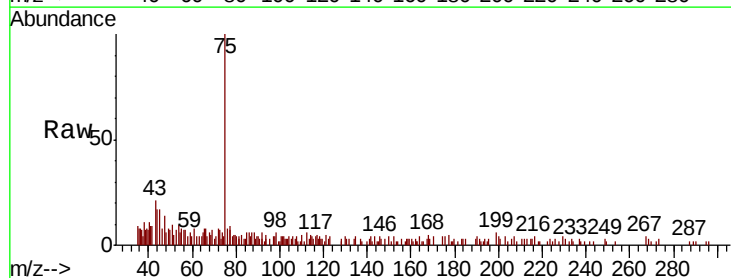
Instrument :
MSVOA_X
ClientSampled :

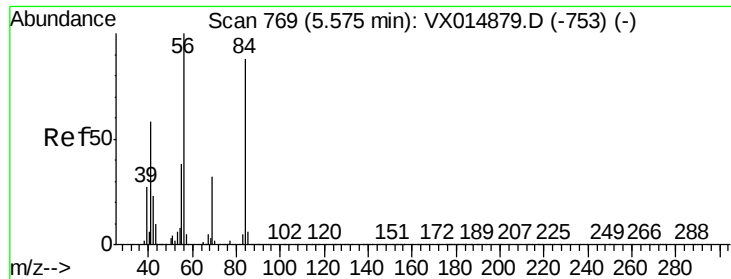
Tot Ion: 84 Resp: 1487
Ion Ratio Lower Upper
84 100
49 90.9 95.6 143.4#
51 31.2 29.0 43.6
86 39.7 51.4 77.0#



#25
2-Butanone
Concen: 0.331 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
72 67.0 21.0 31.6#

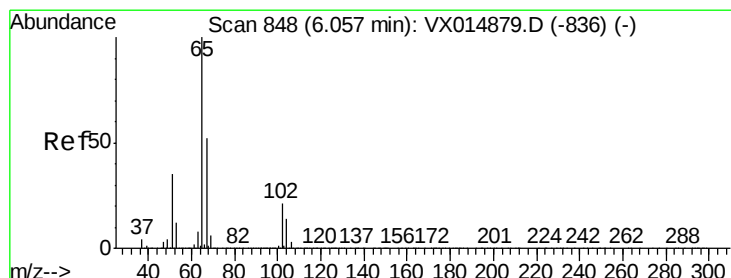
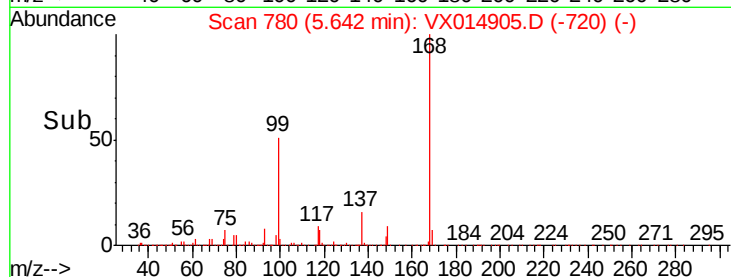
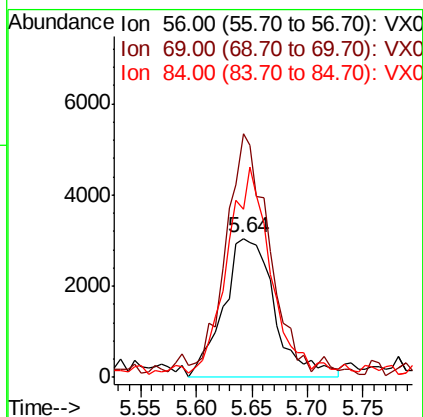
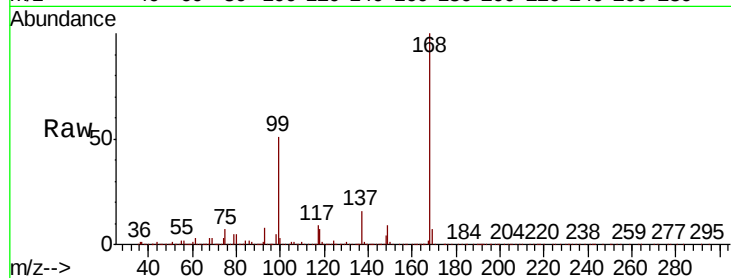




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

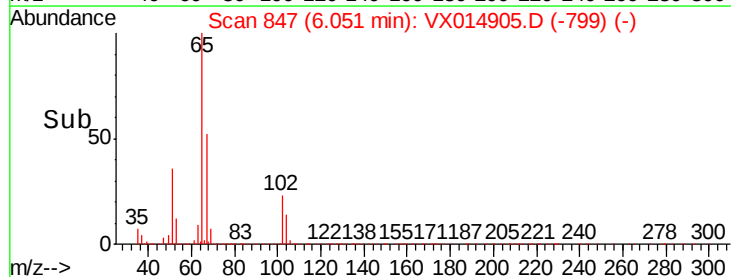
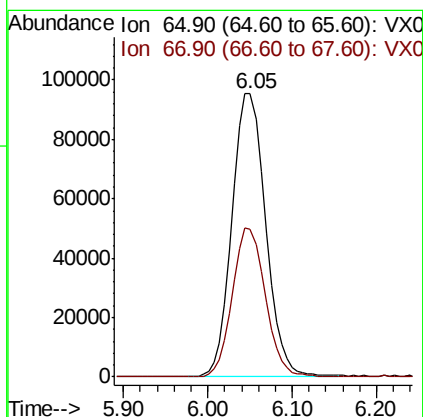
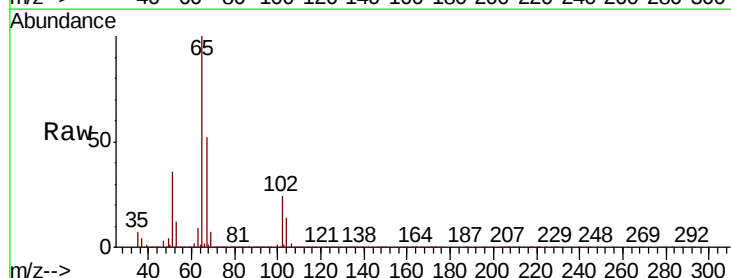
Instrument :
MSVOA_X
ClientSampleId :

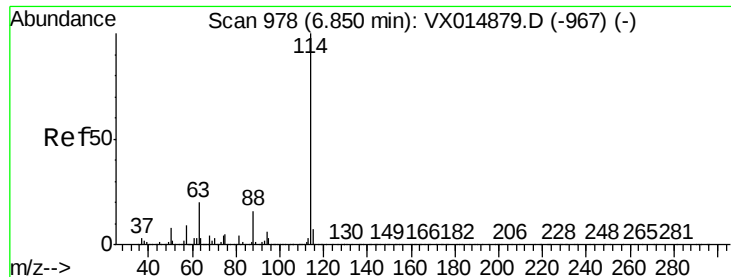
Tot Ion: 56 Resp: 9705
Ion Ratio Lower Upper
56 100
69 170.2 25.9 38.9#
84 114.8 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 51.383 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 65 Resp: 258175
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014905.D

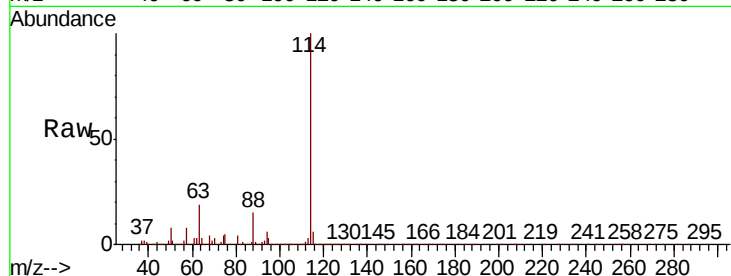
Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

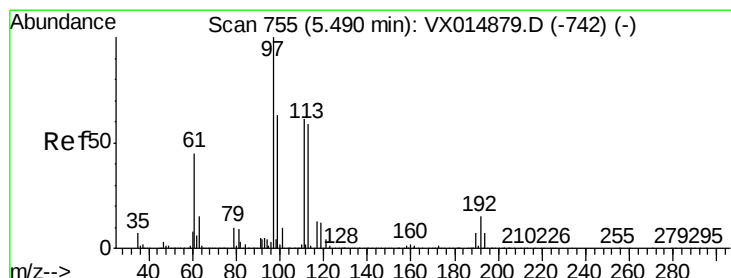
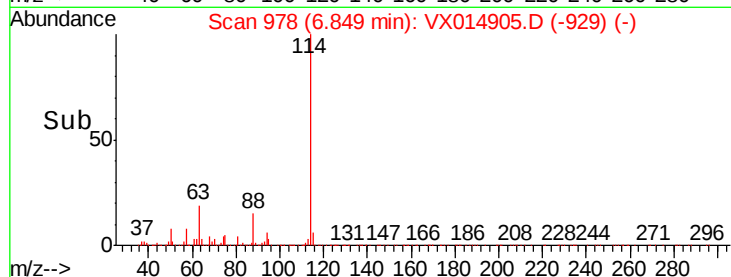
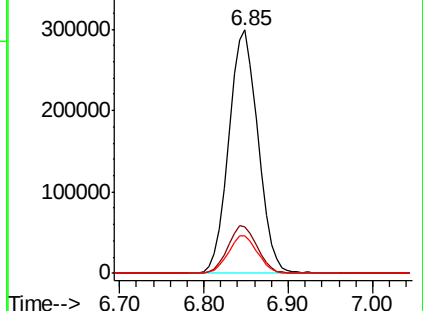
Tot Ion:	114	Resp:	702511
Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.2
88	15.3	0.0	32.0



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: 49.455 ug/l

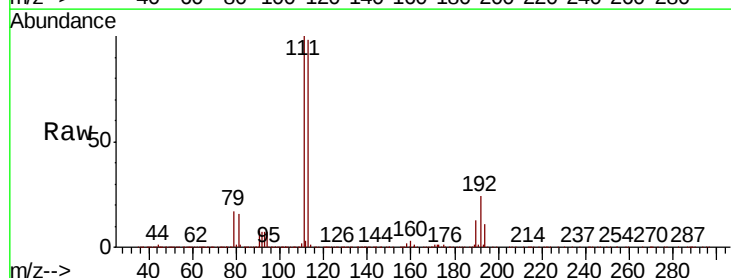
RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014905.D

Acq: 11 Feb 2020 10:32

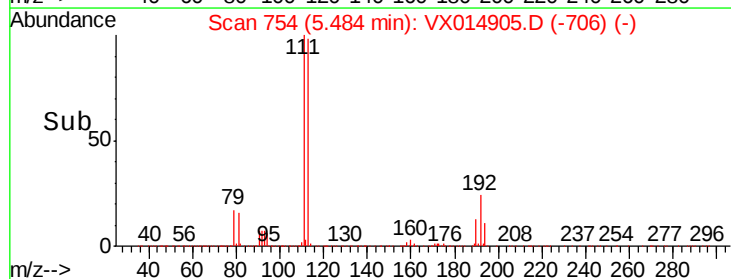
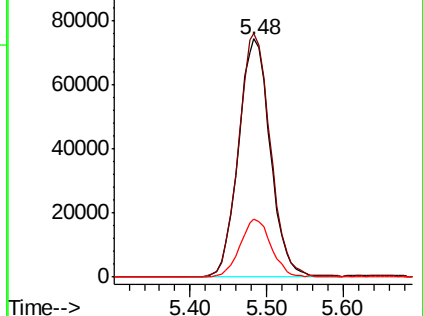
Tgt Ion:	113	Resp:	213588
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	24.1	19.1	28.7

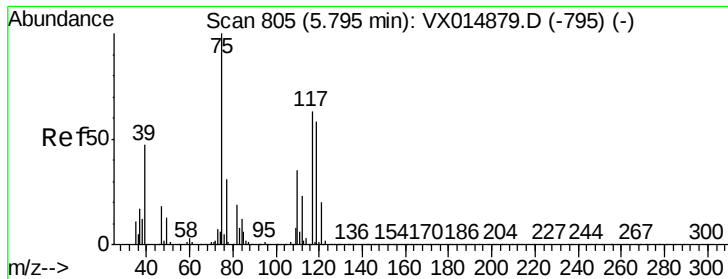


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

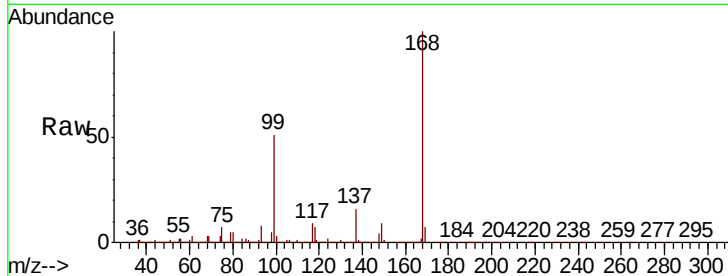




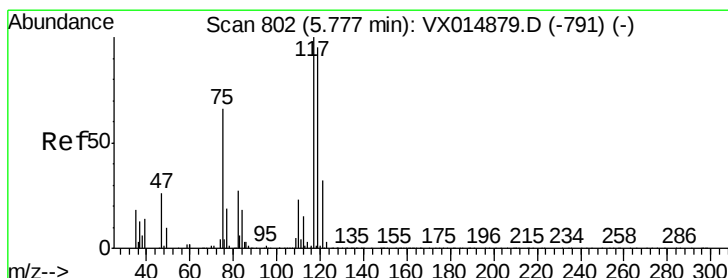
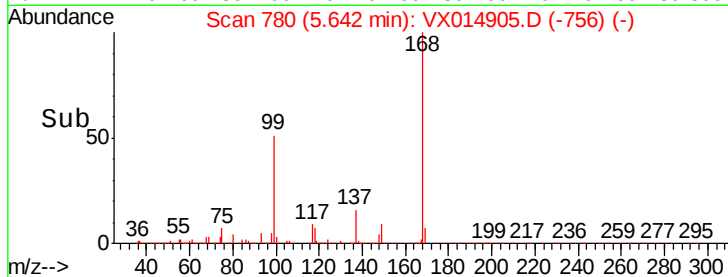
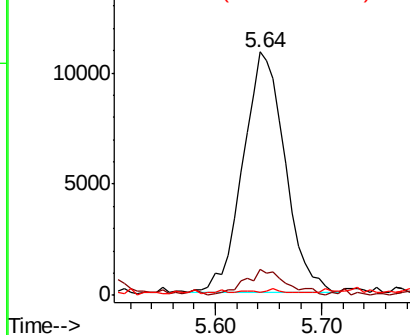
#36
 1,1-Dichloropropene
 Concen: 4.790 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX014905.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.3	54.8#
77	0.7	24.6	36.8#

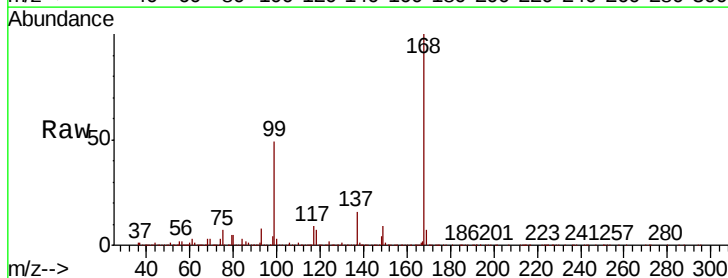


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

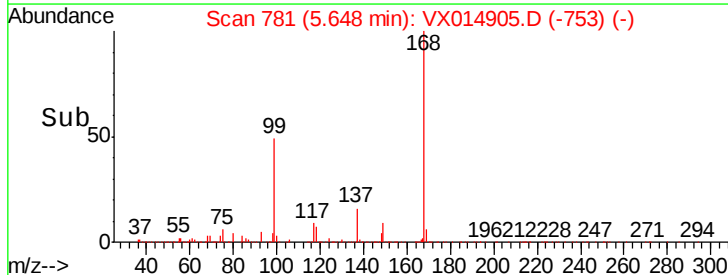
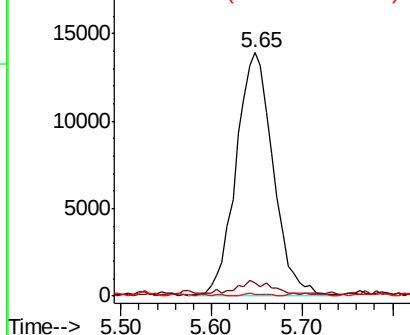


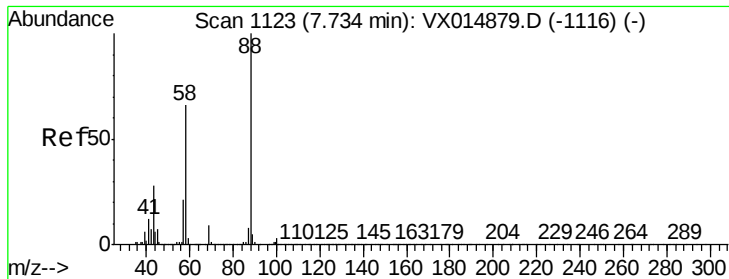
#38
 Carbon Tetrachloride
 Concen: 6.434 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014905.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.0	114.0#
121	0.8	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: 2.623 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

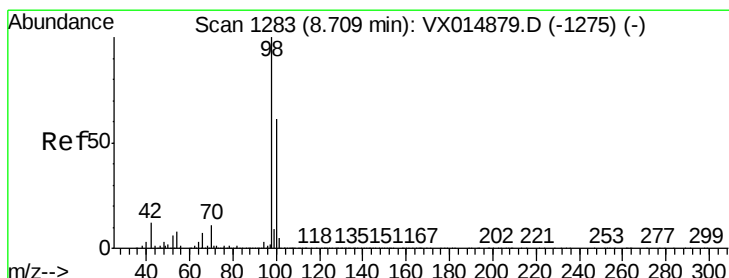
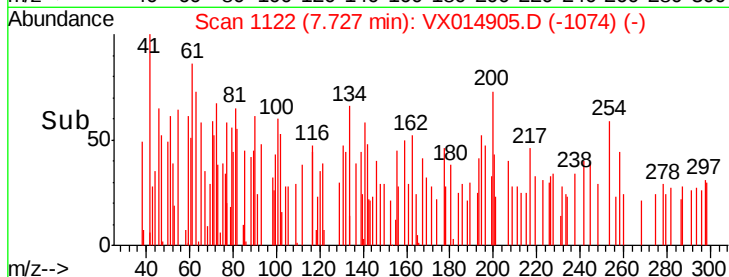
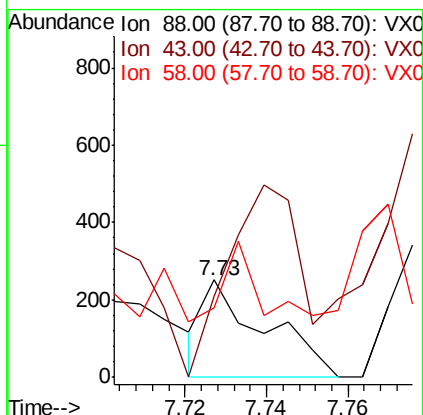
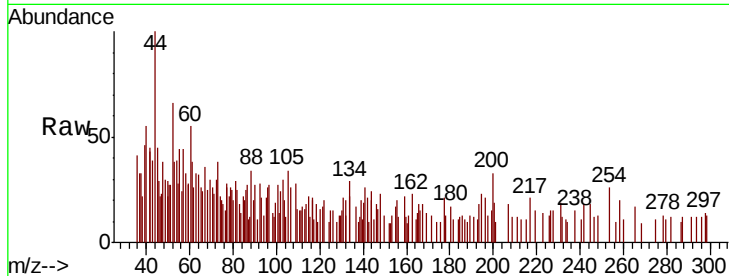
Lab File: VX014905.D

Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 261

Ion	Ratio	Lower	Upper
88	100		
43	262.5	27.0	40.4#
58	75.9	53.2	79.8



#50

Toluene-d8

Concen: 49.913 ug/l

RT: 8.71 min Scan# 1283

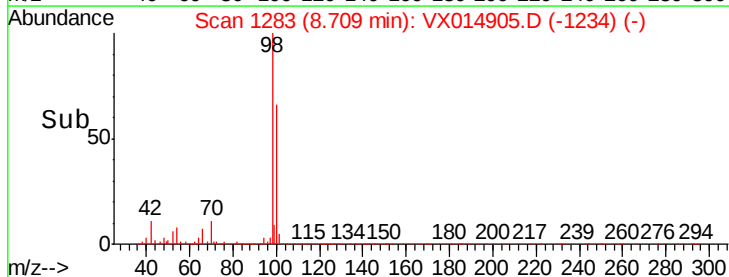
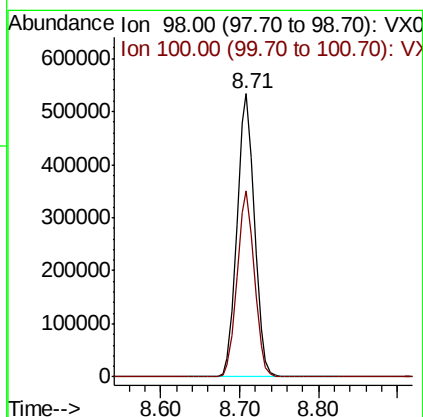
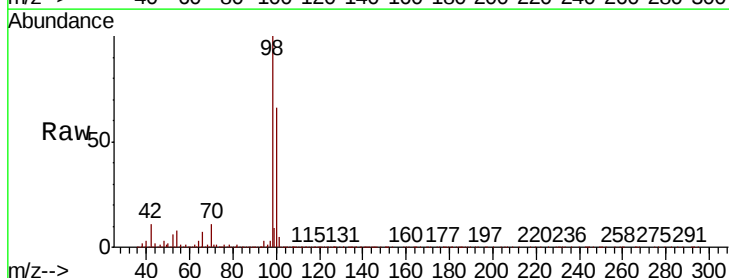
Delta R.T. -0.00 min

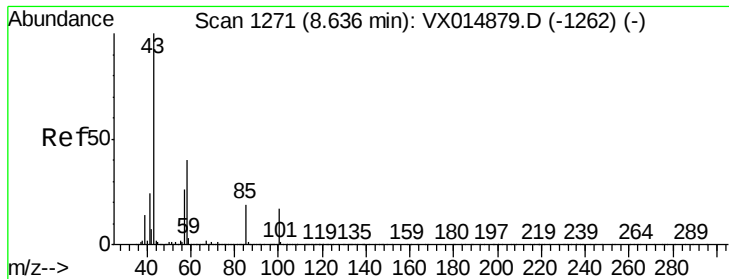
Lab File: VX014905.D

Acq: 11 Feb 2020 10:32

Tgt Ion: 98 Resp: 822838

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6

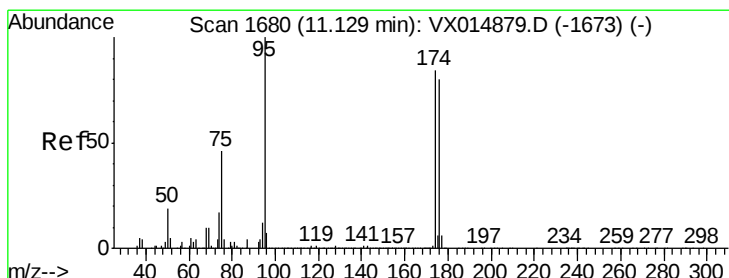
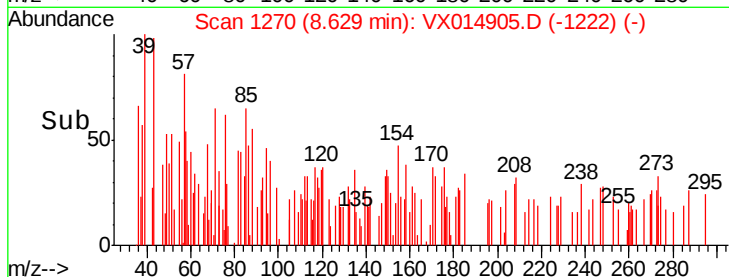
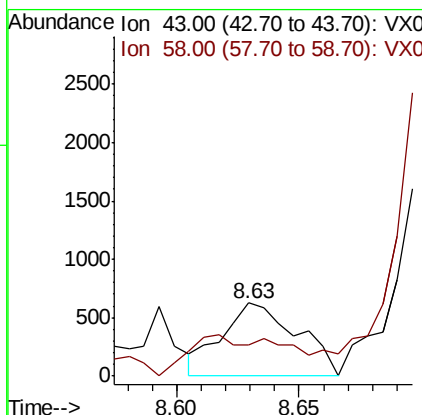
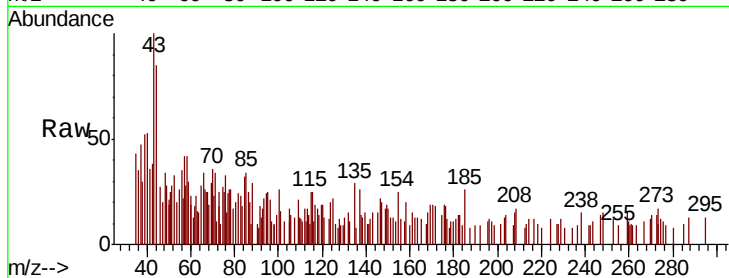




#51
4-Methyl-2-Pentanone
Concen: 0.205 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

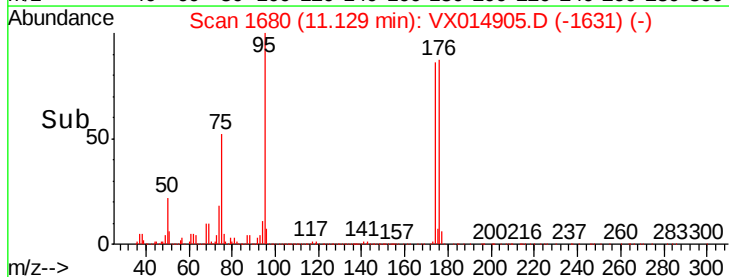
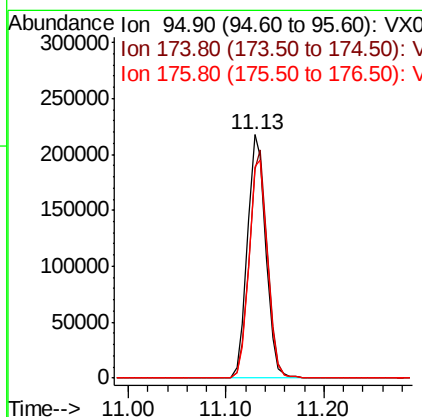
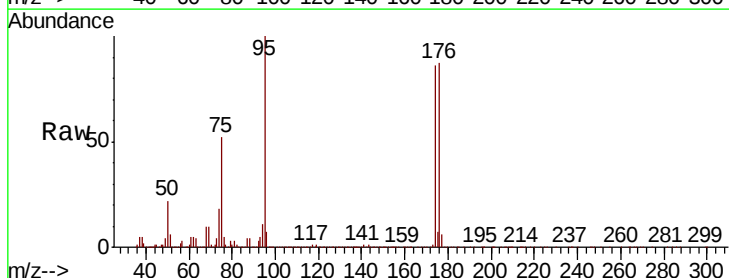
Instrument :
MSVOA_X
ClientSampleId :

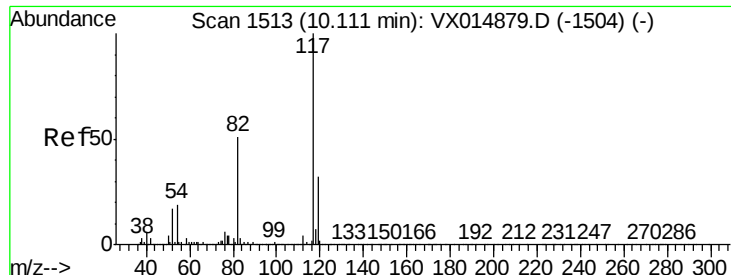
Tot Ion: 43 Resp: 1338
Ion Ratio Lower Upper
43 100
58 42.2 31.9 47.9



#62
4-Bromofluorobenzene
Concen: 47.787 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 95 Resp: 283788
Ion Ratio Lower Upper
95 100
174 92.7 0.0 183.0
176 90.1 0.0 178.0

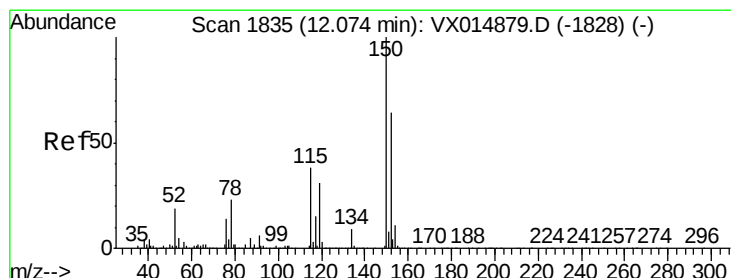
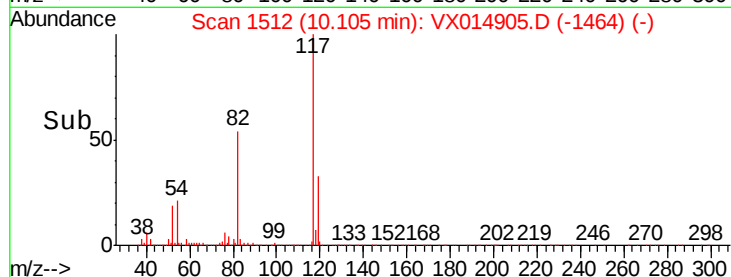
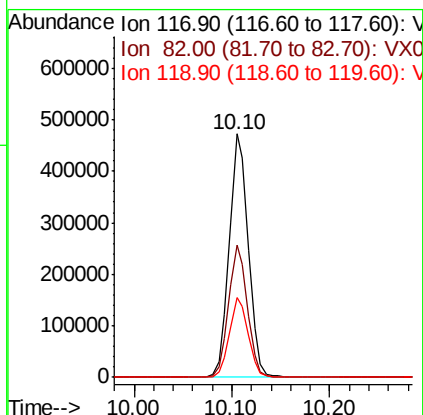
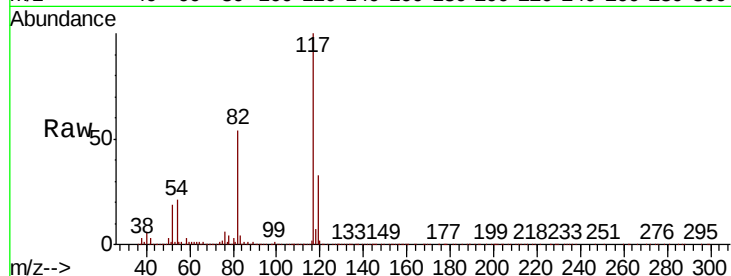




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

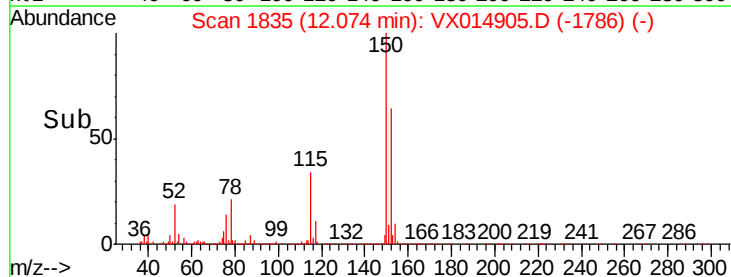
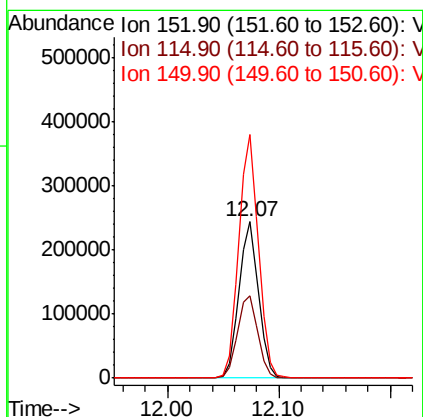
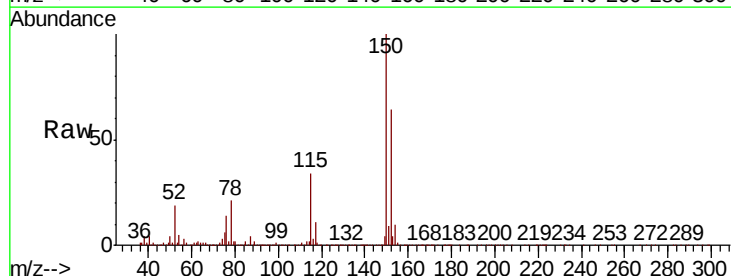
Instrument :
MSVOA_X
ClientSampleId :

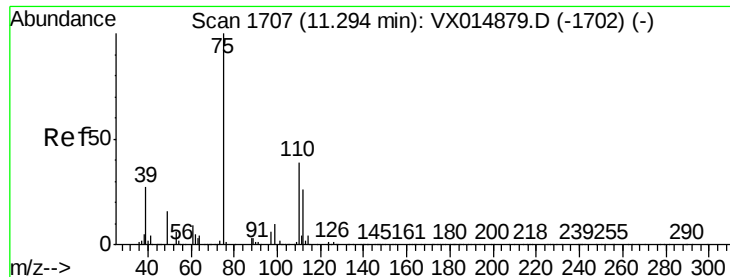
Tot Ion:117 Resp: 638032
Ion Ratio Lower Upper
117 100
82 54.4 40.5 60.7
119 32.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014905.D
Acq: 11 Feb 2020 10:32

Tgt Ion:152 Resp: 296818
Ion Ratio Lower Upper
152 100
115 54.8 38.6 116.0
150 156.1 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 26.918 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014905.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_X

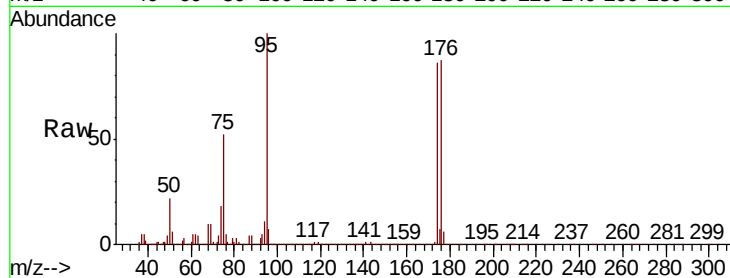
ClientSampleId :

Tot Ion: 75 Resp: 144480

Ion Ratio Lower Upper

75 100

77 1.5 18.4 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

120000

100000

80000

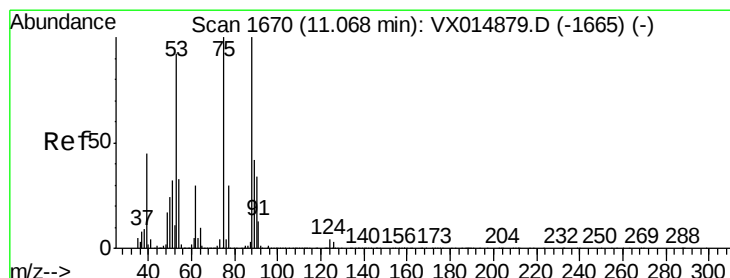
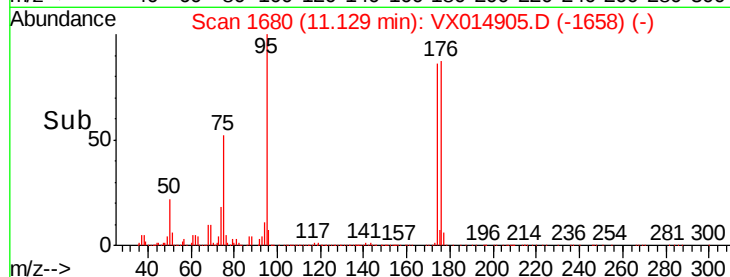
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 68.902 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014905.D

Acq: 11 Feb 2020 10:32

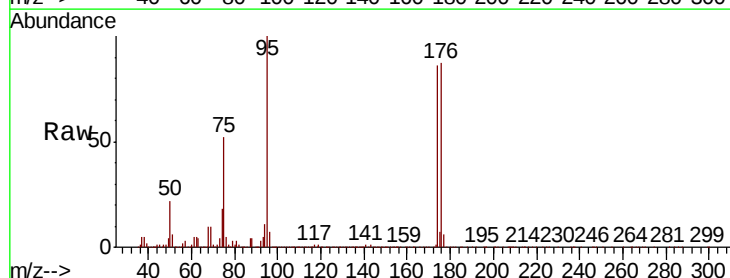
Tgt Ion: 75 Resp: 144480

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.0 35.8 53.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

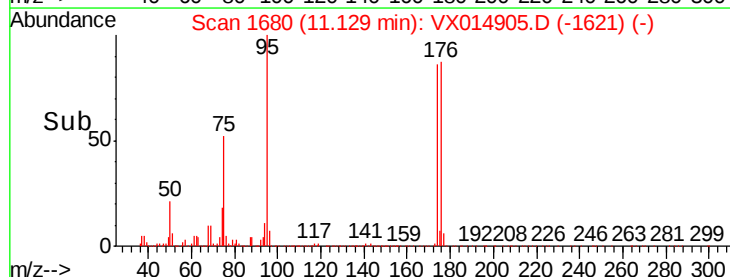
150000

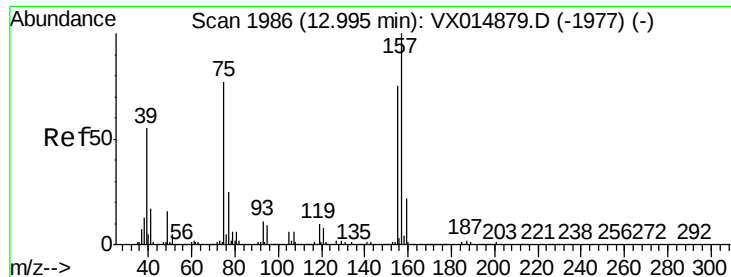
100000

50000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.213 ug/l

RT: 13.19 min Scan# 2018

Delta R.T. 0.19 min

Lab File: VX014905.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

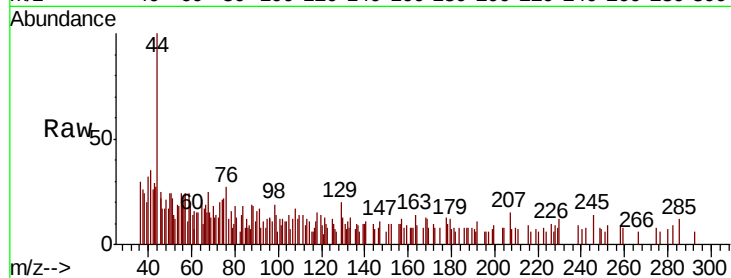
Tot Ion: 75 Resp: 304

Ion Ratio Lower Upper

75 100

155 76.0 48.6 145.9

157 71.1 62.0 186.0

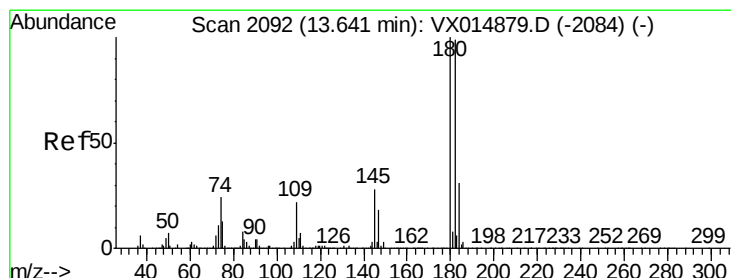
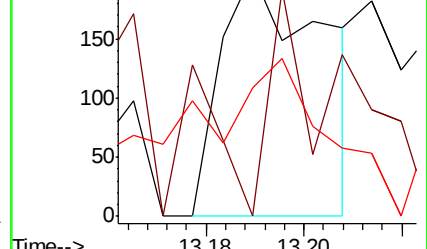
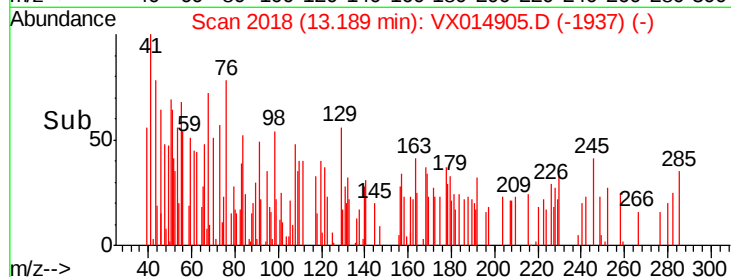


Abundance Ion 74.90 (74.60 to 75.60): VX014879.D (-1977) (-)

Ion 154.80 (154.50 to 155.50): VX014879.D (-1977) (-)

Ion 156.80 (156.50 to 157.50): VX014879.D (-1977) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.265 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX014905.D

Acq: 11 Feb 2020 10:32

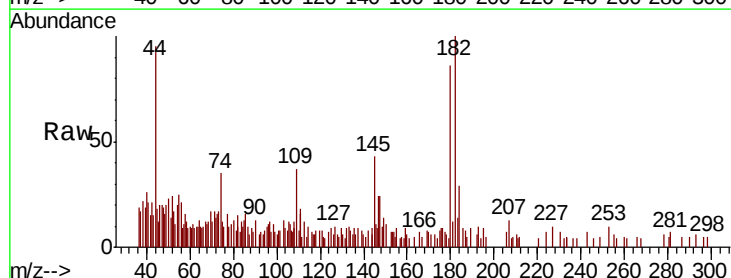
Tgt Ion: 180 Resp: 1789

Ion Ratio Lower Upper

180 100

182 97.0 48.4 145.3

145 41.5 14.1 42.4

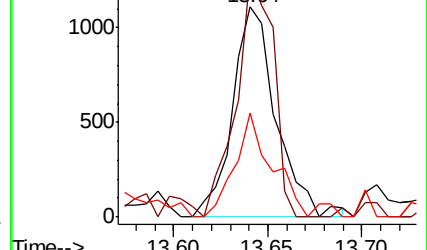
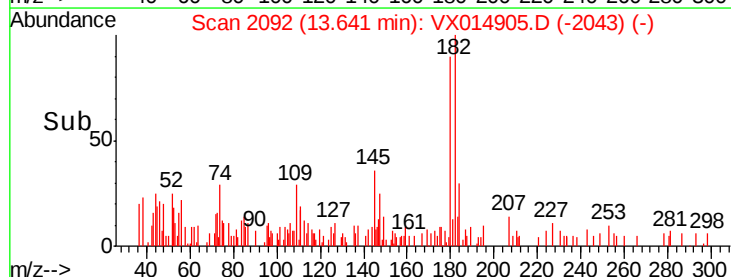


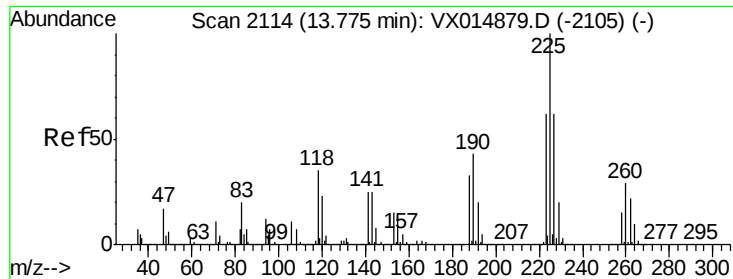
Abundance Ion 179.80 (179.50 to 180.50): VX014879.D (-2084) (-)

Ion 181.80 (181.50 to 182.50): VX014879.D (-2084) (-)

Ion 144.80 (144.50 to 145.50): VX014879.D (-2084) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.214 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX014905.D

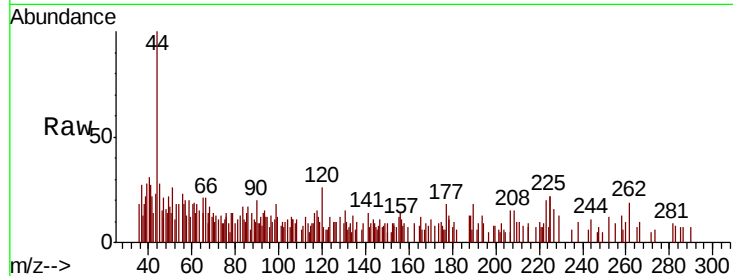
Acq: 11 Feb 2020 10:32

Instrument :

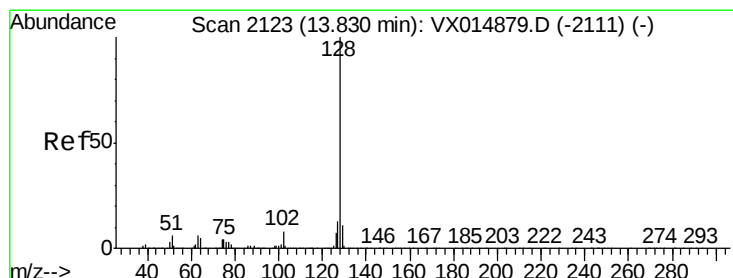
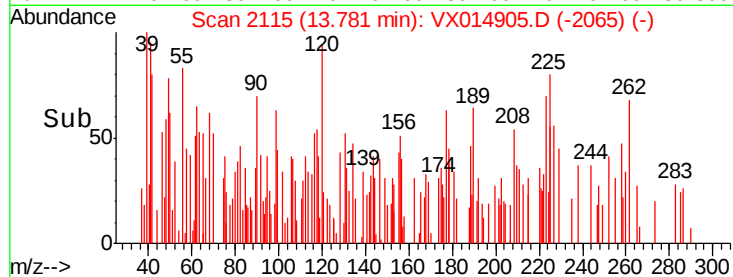
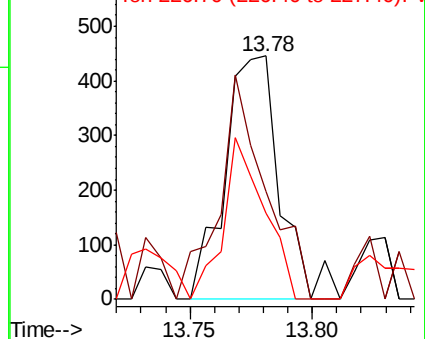
MSVOA_X

ClientSampled :

Tot Ion:225	Resp:	699
Ion	Ratio	Lower Upper
225	100	
223	78.0	31.1 93.2
227	49.4	30.9 92.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.253 ug/l

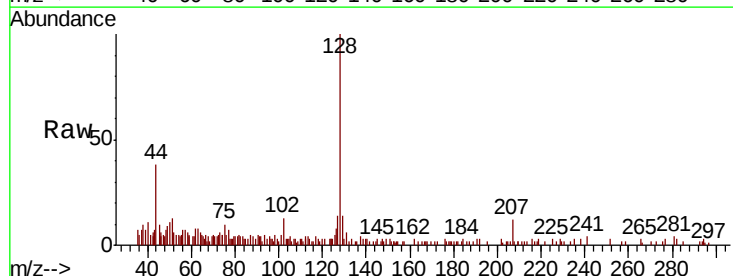
RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

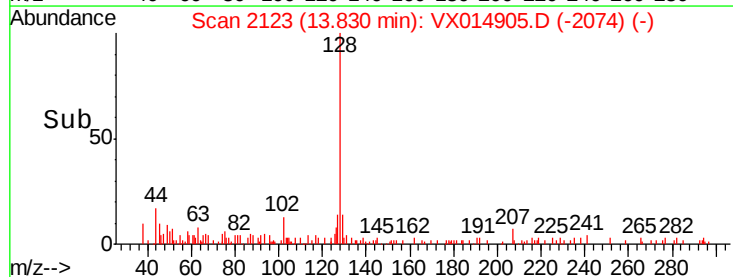
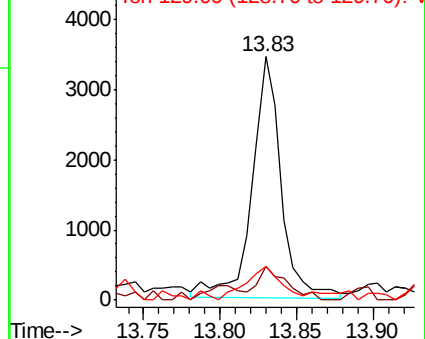
Lab File: VX014905.D

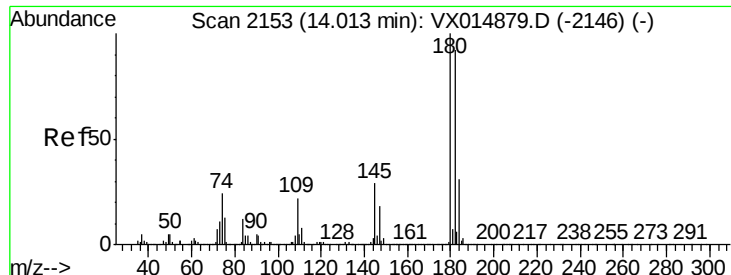
Acq: 11 Feb 2020 10:32

Tgt Ion:128	Resp:	4533
Ion	Ratio	Lower Upper
128	100	
127	13.7	10.4 15.6
129	16.8	8.6 13.0#



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

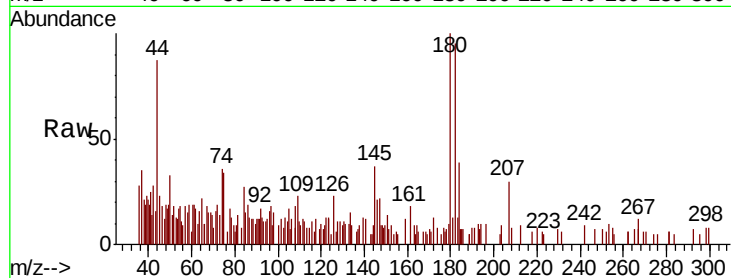




#96
 1,2,3-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX014905.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.5	47.5	142.6
145	53.0	14.5	43.5



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

