

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021920\
 Data File : VX014965.D
 Acq On : 19 Feb 2020 13:53
 Operator : JC/SP
 Sample : L1578-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 20 00:23:49 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	437292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	688749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	663936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	353398	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	249755	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
35) Dibromofluoromethane	5.49	113	210801	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	8.71	98	831079	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	11.13	95	315520	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	

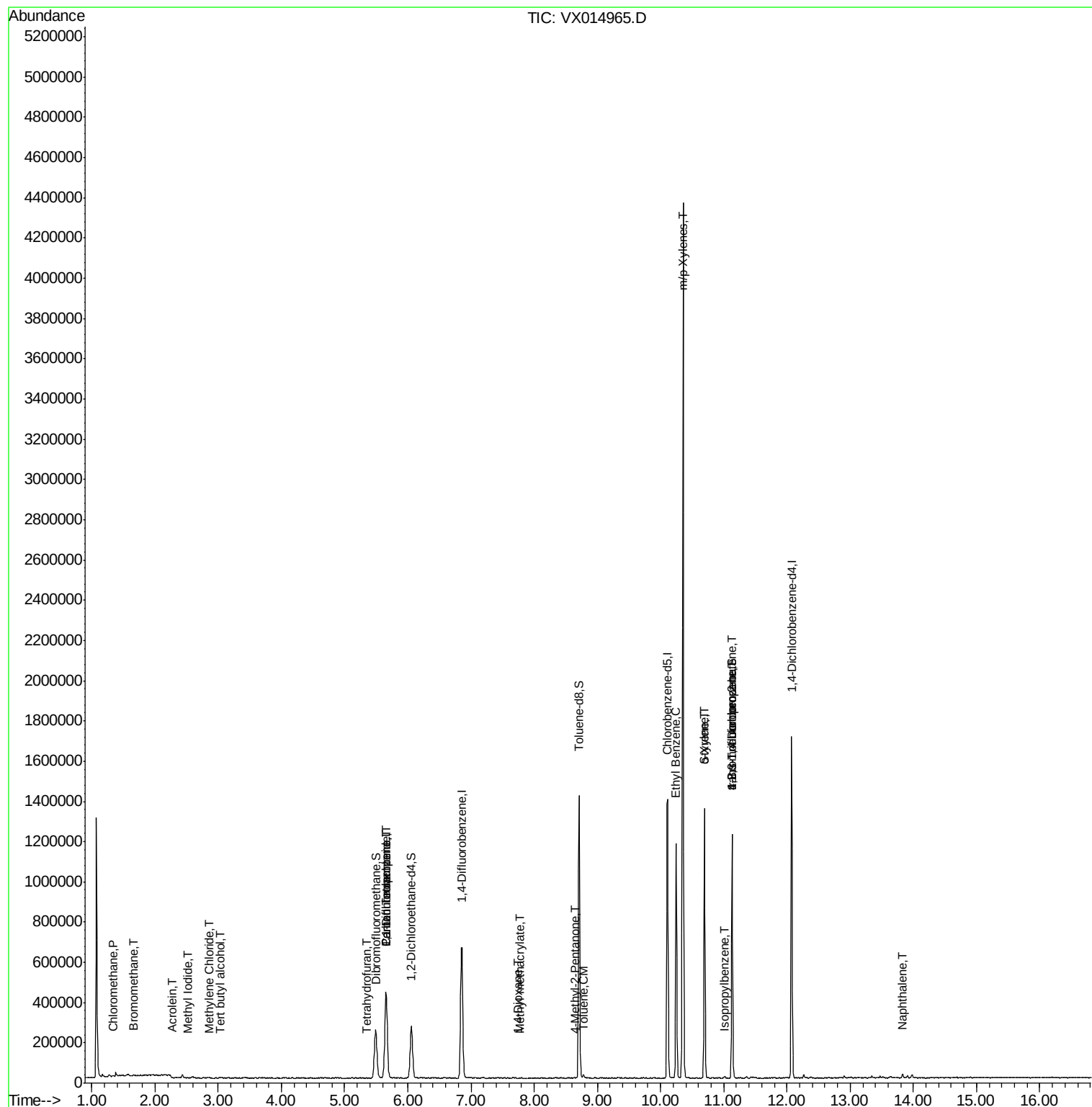
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1122	0.239	ug/l #	71
5) Bromomethane	1.65	94	988	0.302	ug/l	86
10) Methyl Iodide	2.51	142	917	4.552	ug/l #	47
11) Tert butyl alcohol	3.03	59	2636	3.025	ug/l	97
13) Acrolein	2.26	56	242	0.364	ug/l #	55
16) Acetone	2.43	43	17138	Below Cal		94
20) Methylene Chloride	2.86	84	1024	0.216	ug/l #	65
29) Tetrahydrofuran	5.34	42	671	0.351	ug/l	90
36) 1,1-Dichloropropene	5.65	75	31265	5.075	ug/l #	52
38) Carbon Tetrachloride	5.65	117	38254	6.371	ug/l #	17
48) Methyl methacrylate	7.76	41	1072	0.205	ug/l #	48
49) 1,4-Dioxane	7.75	88	298	3.055	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	2166	0.338	ug/l #	64
52) Toluene	8.78	92	6687	0.572	ug/l	93
67) Ethyl Benzene	10.24	91	684345	29.881	ug/l	99
68) m/p-Xylenes	10.35	106	1029826	116.725	ug/l	98
69) o-Xylene	10.70	106	298445	35.190	ug/l	100
70) Styrene	10.70	104	15006	1.046	ug/l #	1
73) Isopropylbenzene	11.01	105	5079	0.229	ug/l	84
76) 1,2,3-Trichloropropane	11.13	75	157625	24.665	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	157625	63.135	ug/l #	12
95) Naphthalene	13.83	128	13575	0.636	ug/l #	94

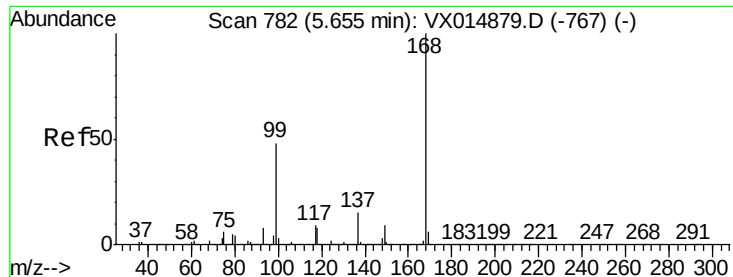
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021920\
Data File : VX014965.D
Acq On : 19 Feb 2020 13:53
Operator : JC/SP
Sample : L1578-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 20 00:23:49 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



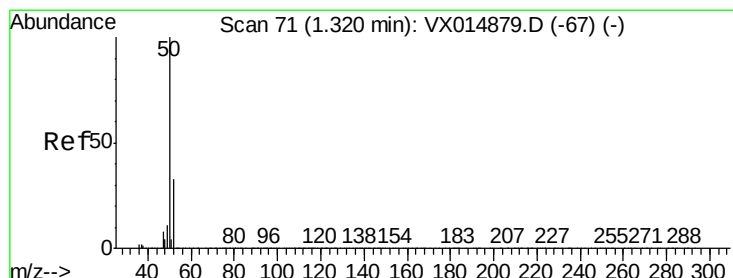
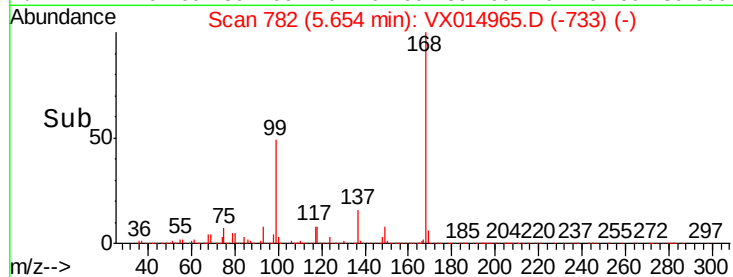
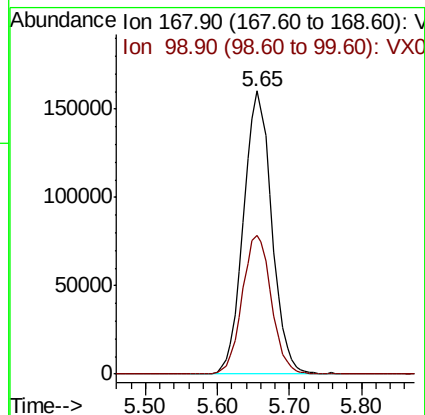
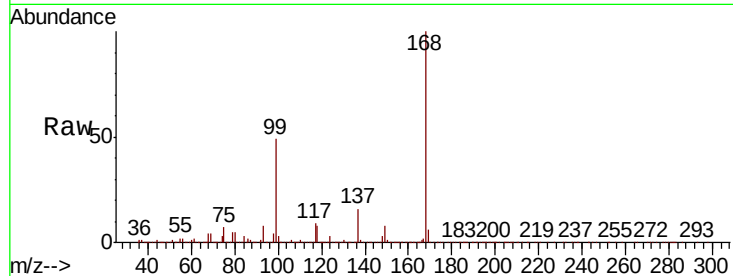


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VX014965.D
 Acq: 19 Feb 2020 13:53

Instrument :
 MSVOA_X
 ClientSampleId :

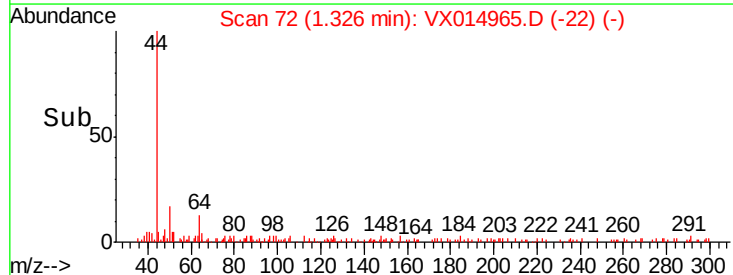
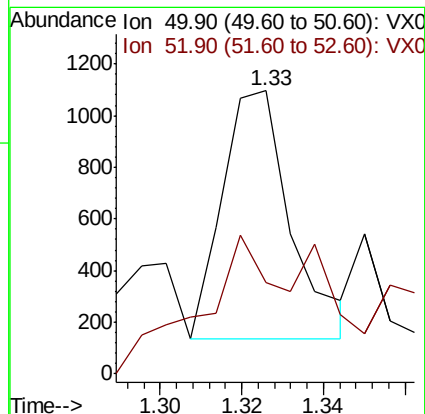
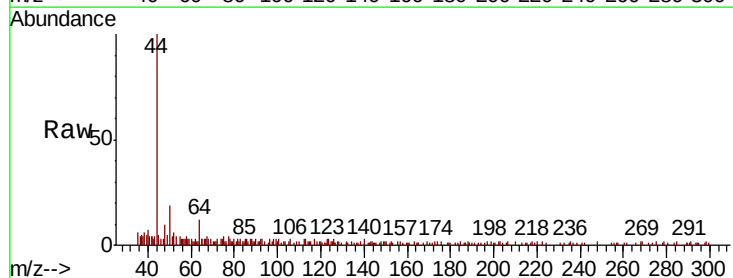
Tot Ion:168 Resp: 437292
 Ion Ratio Lower Upper
 168 100
 99 48.8 38.7 58.1

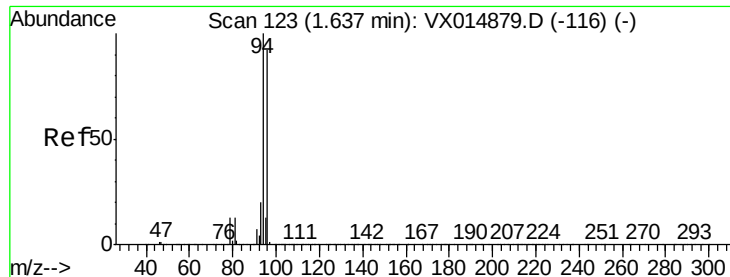


#3

Chloromethane
 Concen: 0.239 ug/l
 RT: 1.33 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VX014965.D
 Acq: 19 Feb 2020 13:53

Tgt Ion: 50 Resp: 1122
 Ion Ratio Lower Upper
 50 100
 52 16.1 26.2 39.2#





#5

Bromomethane

Concen: 0.302 ug/l

RT: 1.65 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014965.D

Acq: 19 Feb 2020 13:53

Instrument :

MSVOA_X

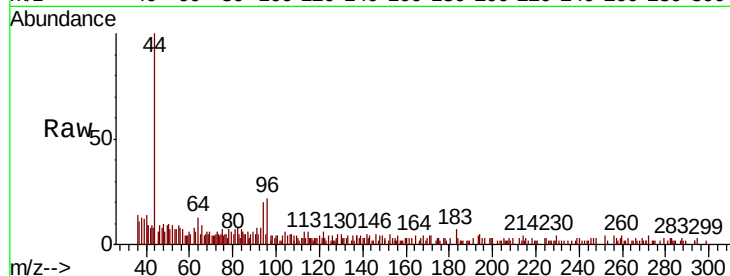
ClientSampled :

Tot Ion: 94 Resp: 988

Ion Ratio Lower Upper

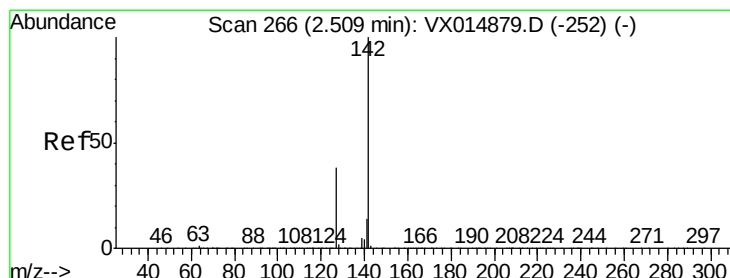
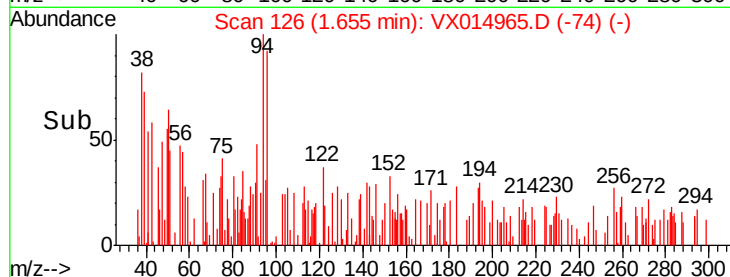
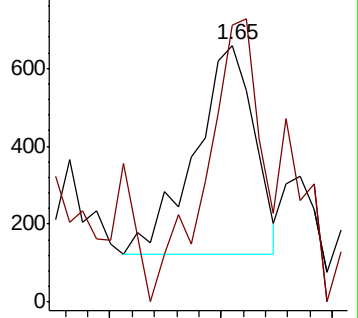
94 100

96 105.7 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.552 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX014965.D

Acq: 19 Feb 2020 13:53

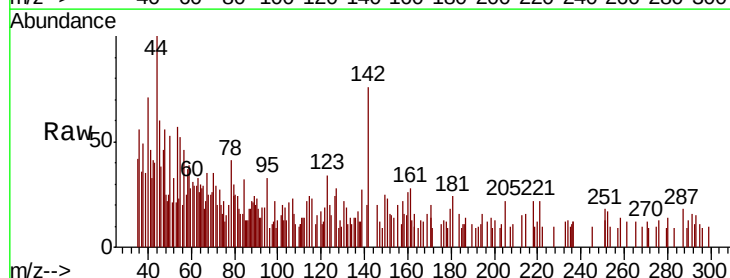
Tgt Ion: 142 Resp: 917

Ion Ratio Lower Upper

142 100

127 0.0 31.1 46.7#

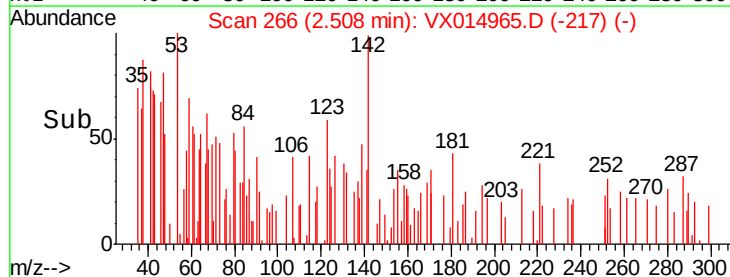
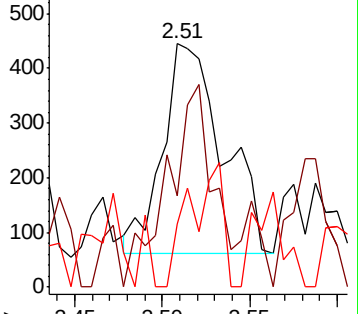
141 5.3 11.3 16.9#

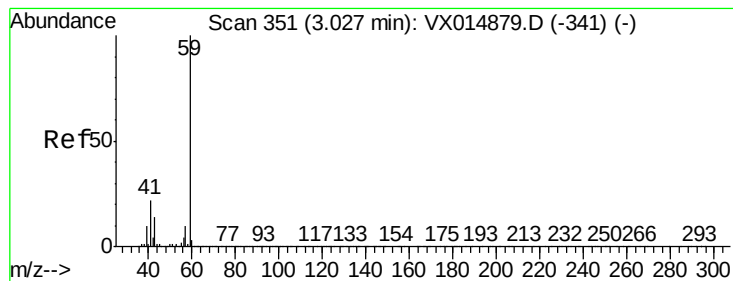


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



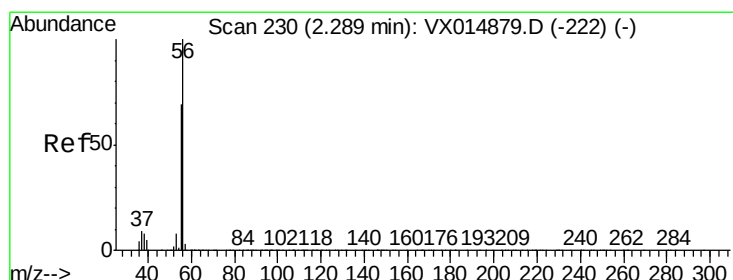
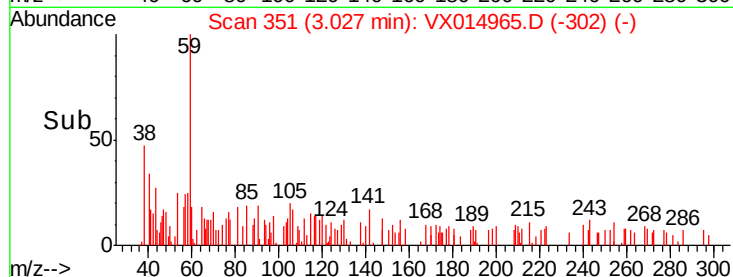
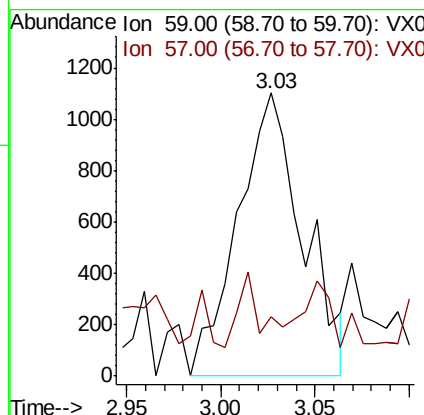
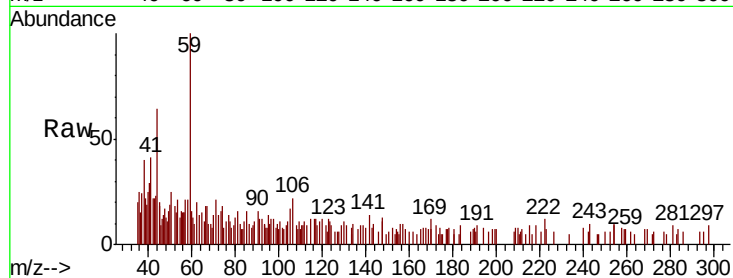


#11

Tert butyl alcohol
Concen: 3.025 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Instrument :
MSVOA_X
ClientSampleId :

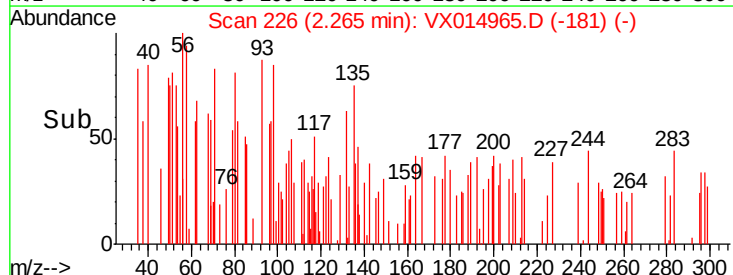
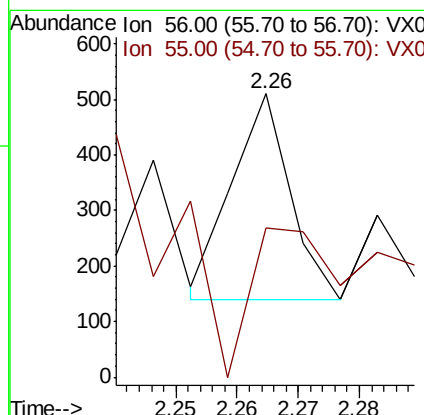
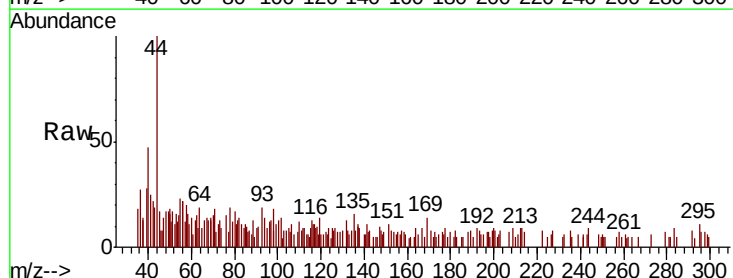
Tot Ion: 59 Resp: 2636
Ion Ratio Lower Upper
59 100
57 9.3 8.2 12.4

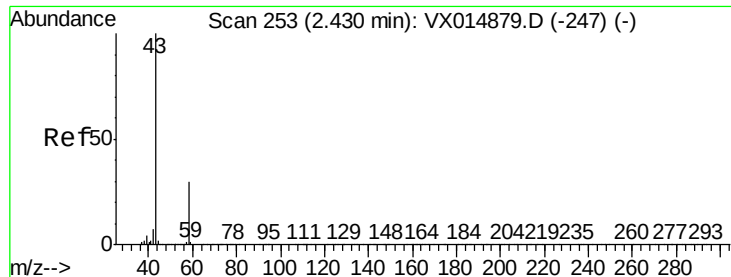


#13

Acrolein
Concen: 0.364 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Tgt Ion: 56 Resp: 242
Ion Ratio Lower Upper
56 100
55 105.0 55.0 82.4#

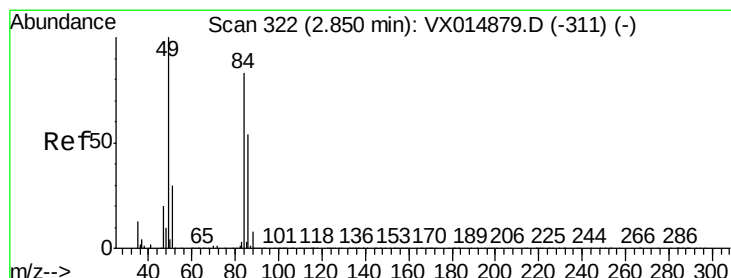
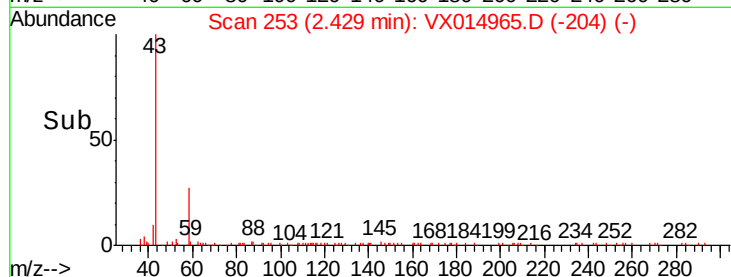
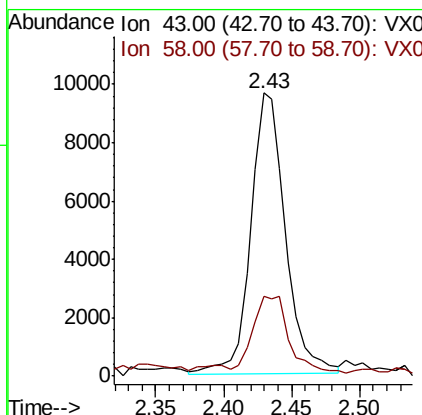
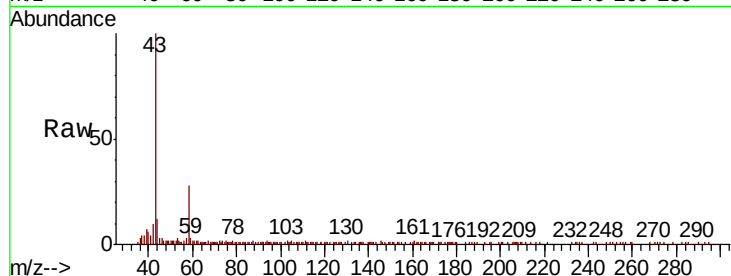




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

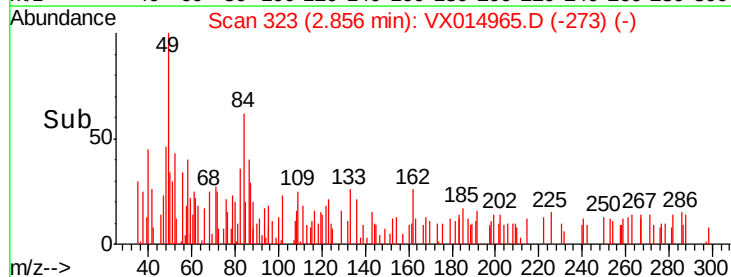
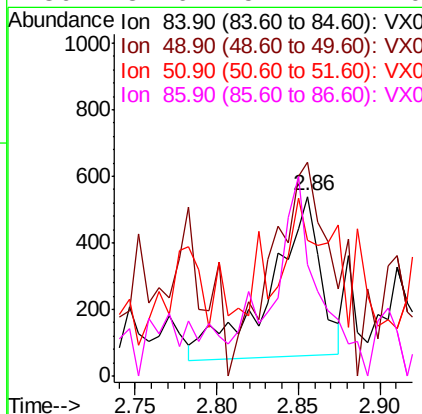
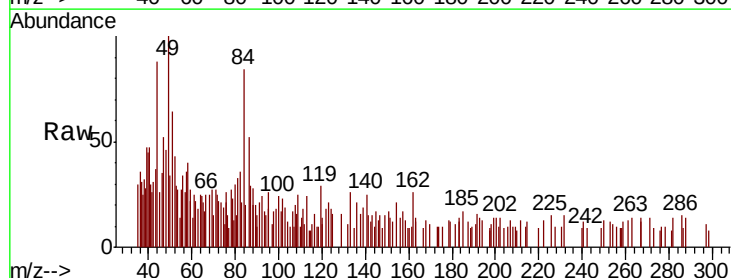
Instrument :
MSVOA_X
ClientSampleId :

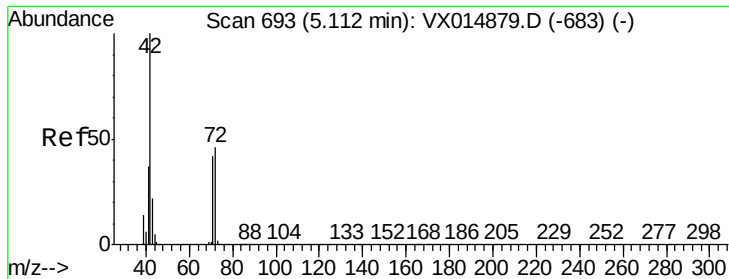
Tot Ion: 43 Resp: 17138
Ion Ratio Lower Upper
43 100
58 26.7 24.1 36.1



#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Tgt Ion: 84 Resp: 1024
Ion Ratio Lower Upper
84 100
49 85.5 95.6 143.4#
51 4.5 29.0 43.6#
86 37.6 51.4 77.0#

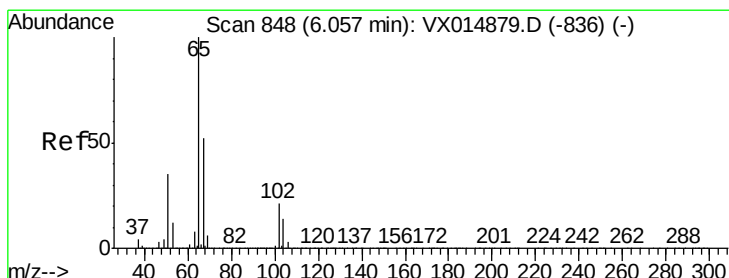
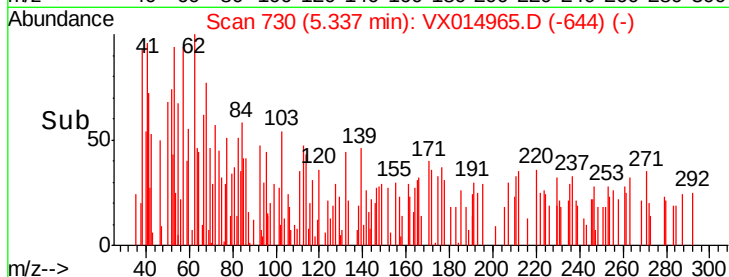
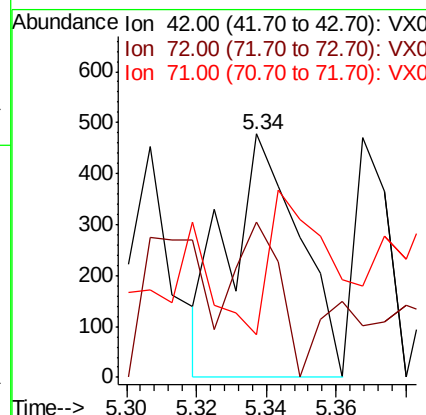
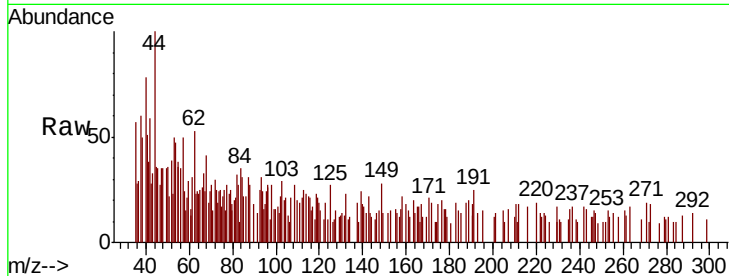




#29
Tetrahydrofuran
Concen: 0.351 ug/l
RT: 5.34 min Scan# 730
Delta R.T. 0.23 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

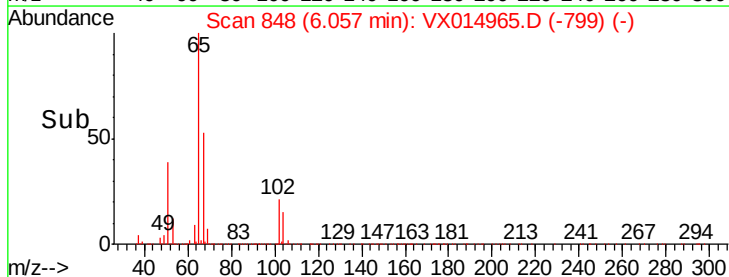
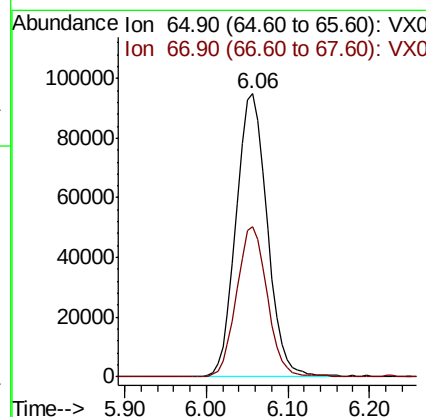
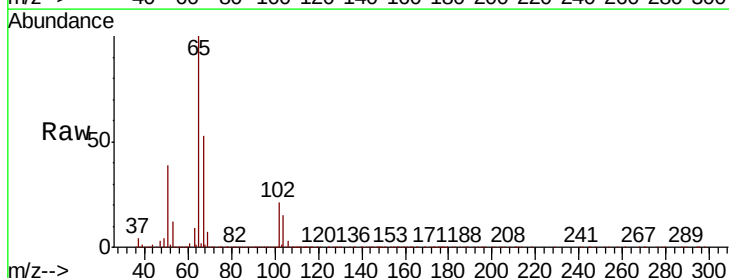
Instrument :
MSVOA_X
ClientSampleId :

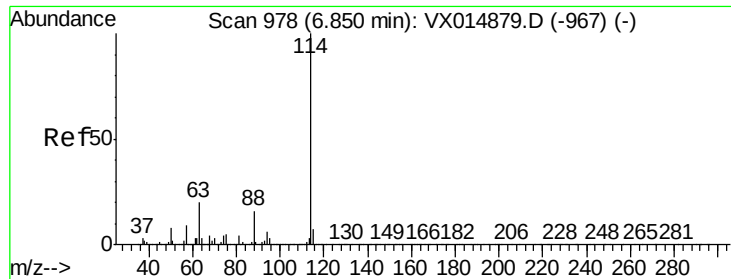
Tot Ion: 42 Resp: 671
Ion Ratio Lower Upper
42 100
72 40.7 36.9 55.3
71 49.6 34.1 51.1



#33
1,2-Dichloroethane-d4
Concen: 50.607 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Tgt Ion: 65 Resp: 249755
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.0

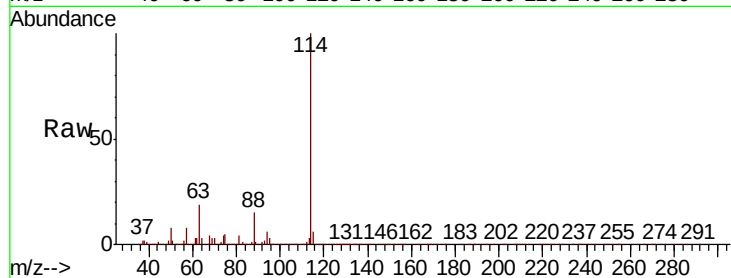




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 979
Delta R.T. 0.01 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.2
88	15.4	0.0	32.0

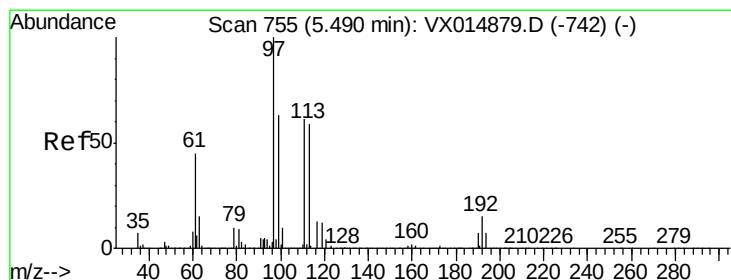
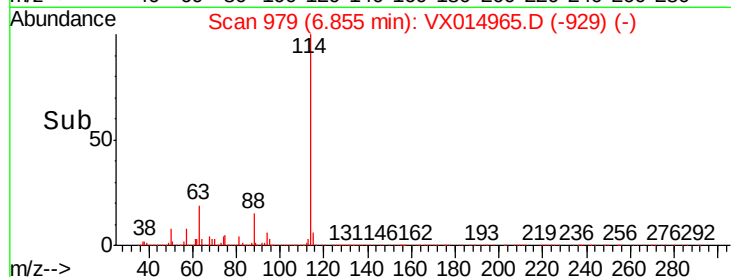
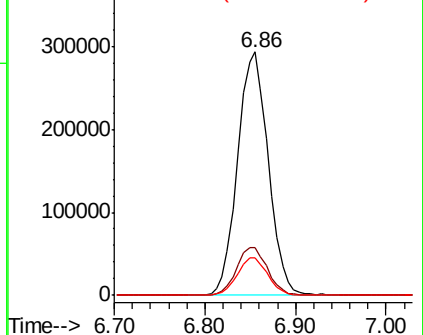


Abundance

Ion 113.90 (113.60 to 114.60): V

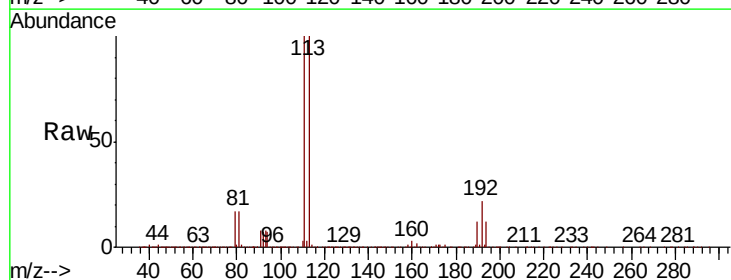
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35
Dibromofluoromethane
Concen: 49.785 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	23.6	19.1	28.7

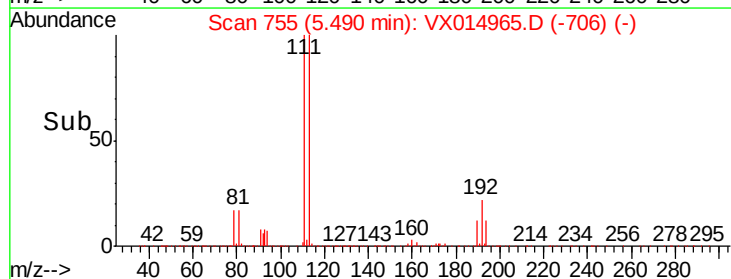
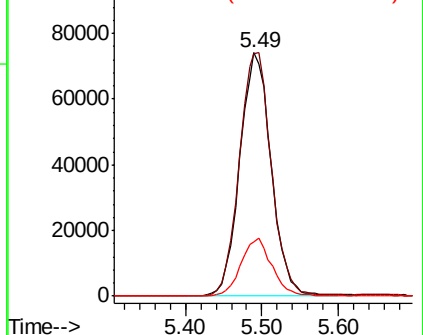


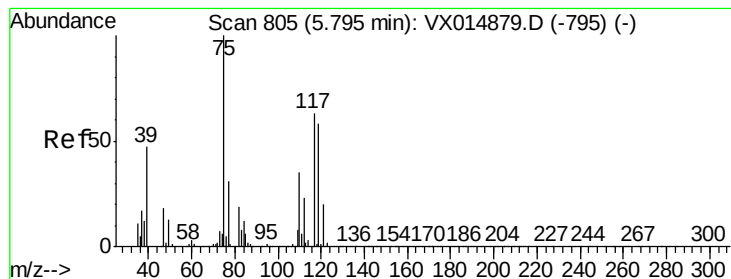
Abundance

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: 5.075 ug/l

RT: 5.65 min Scan# 782

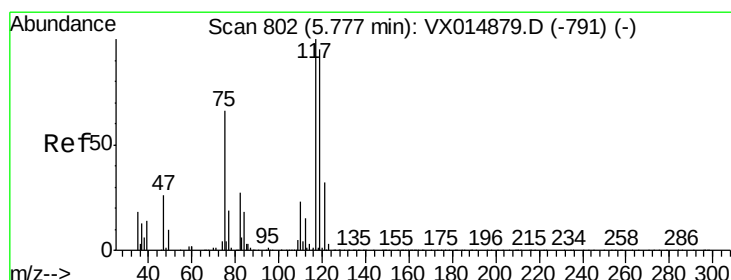
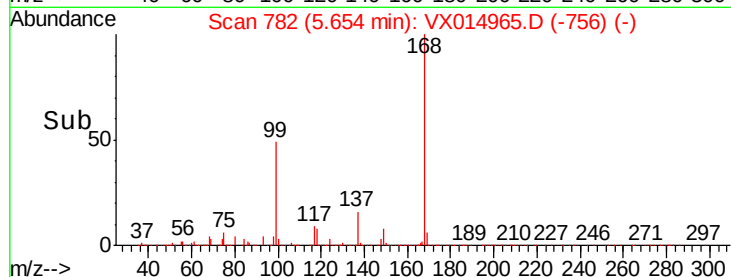
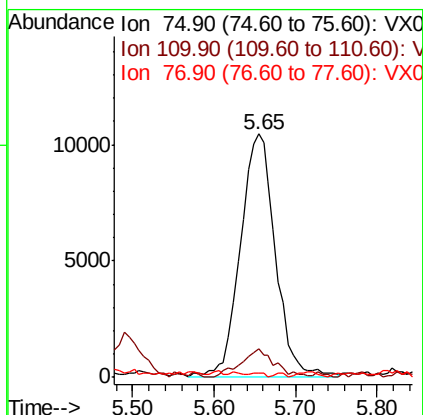
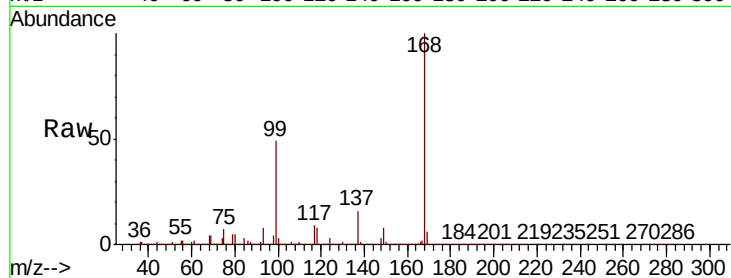
Delta R.T. -0.14 min

Lab File: VX014965.D

Acq: 19 Feb 2020 13:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	31265
Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.3	54.8#
77	0.6	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 6.371 ug/l

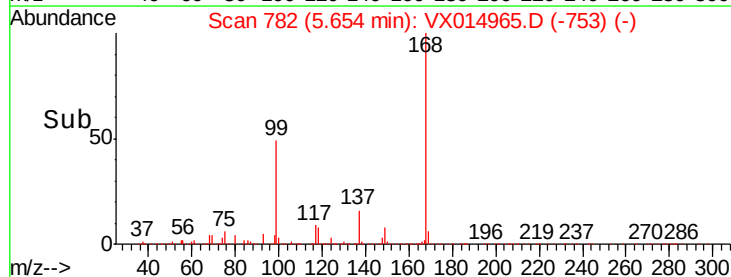
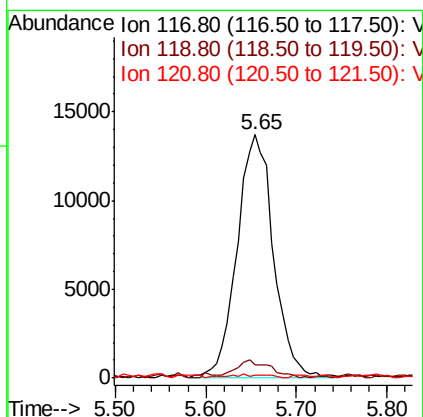
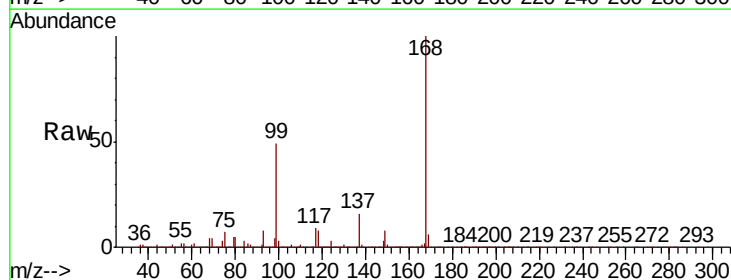
RT: 5.65 min Scan# 782

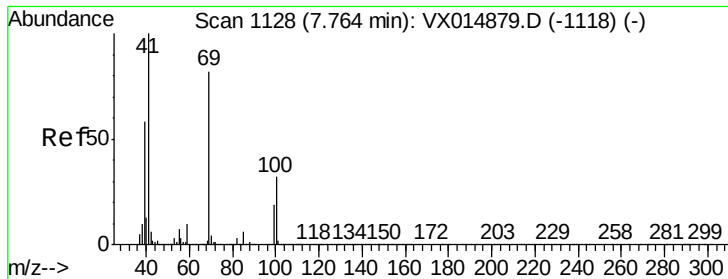
Delta R.T. -0.12 min

Lab File: VX014965.D

Acq: 19 Feb 2020 13:53

Tgt Ion:	117	Resp:	38254
Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.0	114.0#
121	1.1	25.4	38.2#

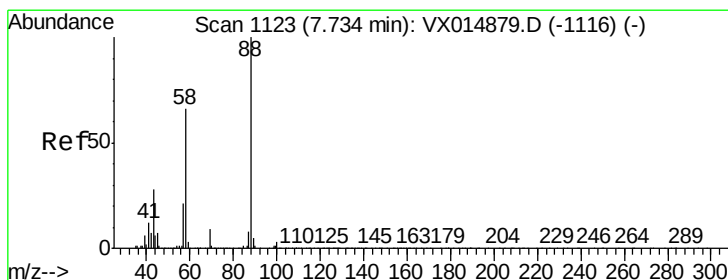
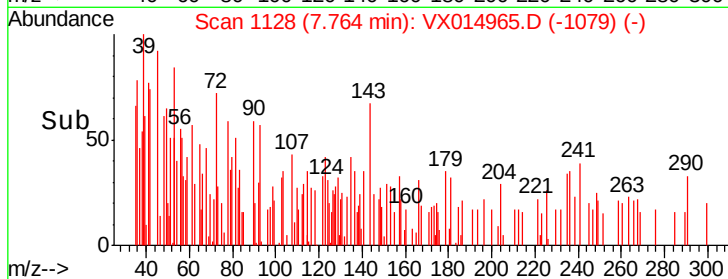
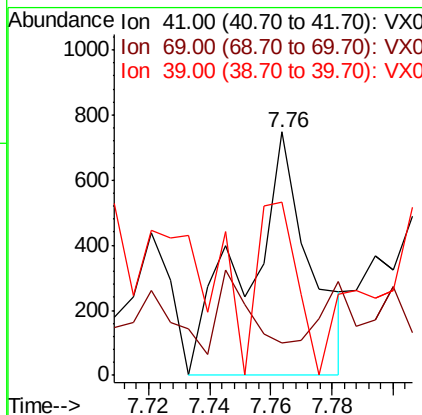
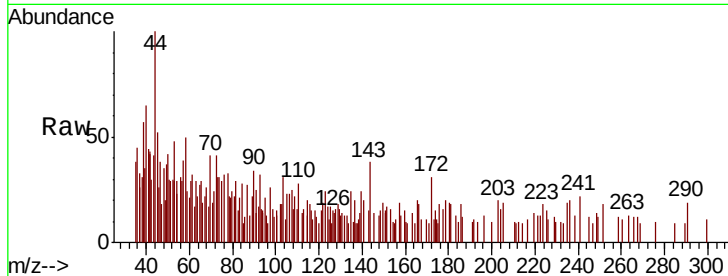




#48
Methvl methacrylate
Concen: 0.205 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

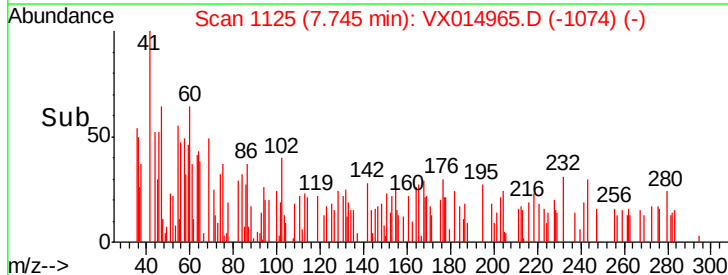
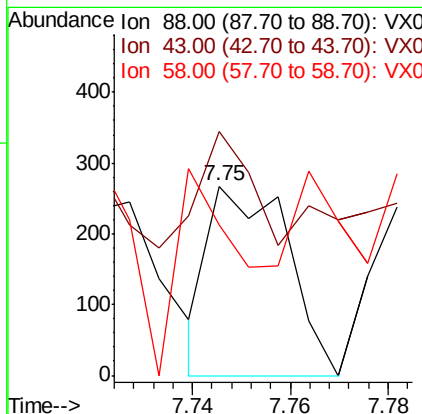
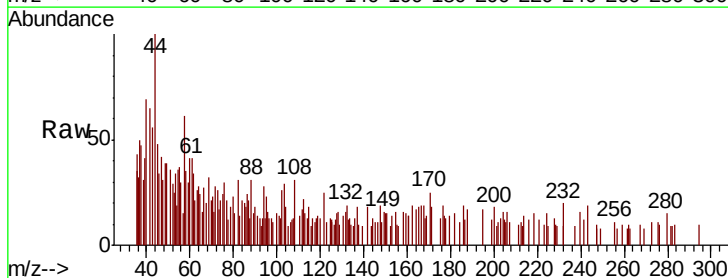
Instrument :
MSVOA_X
ClientSampled :

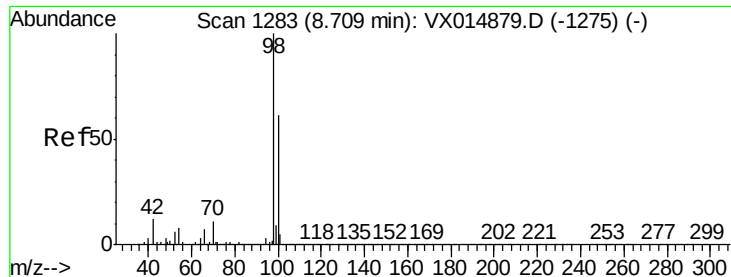
Tot Ion: 41 Resp: 1072
Ion Ratio Lower Upper
41 100
69 13.2 65.7 98.5#
39 44.5 45.8 68.8#



#49
1,4-Dioxane
Concen: 3.055 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Tgt Ion: 88 Resp: 298
Ion Ratio Lower Upper
88 100
43 46.6 27.0 40.4#
58 80.9 53.2 79.8#

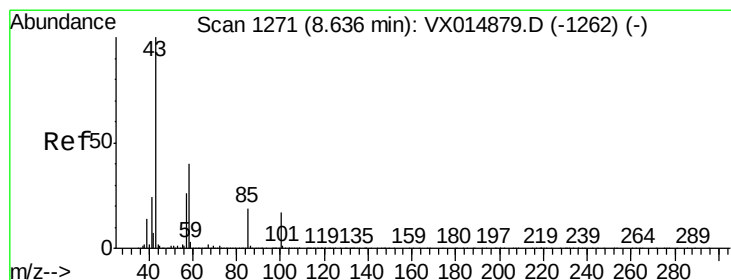
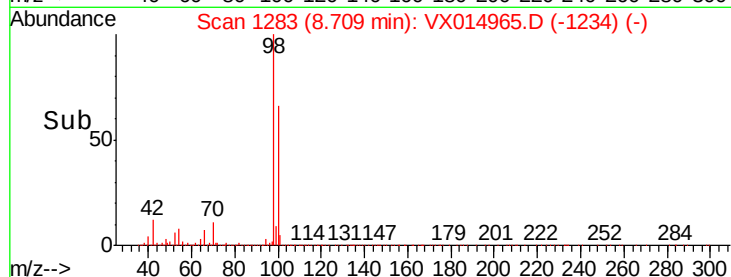
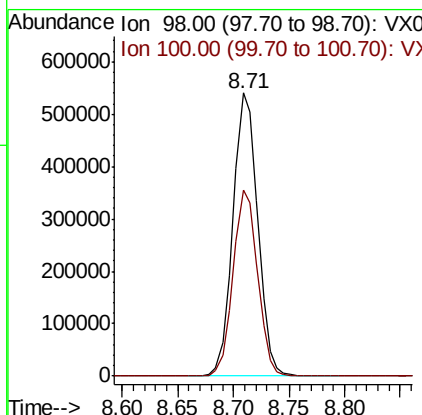
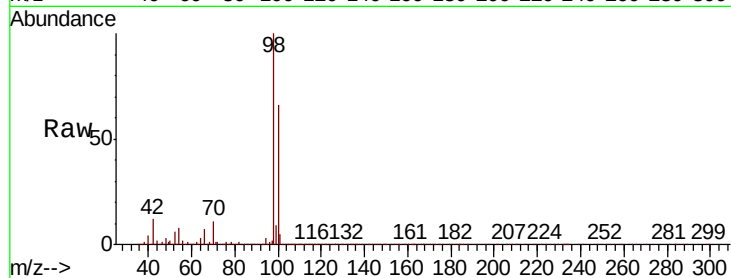




#50
Toluene-d8
Concen: 51.420 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

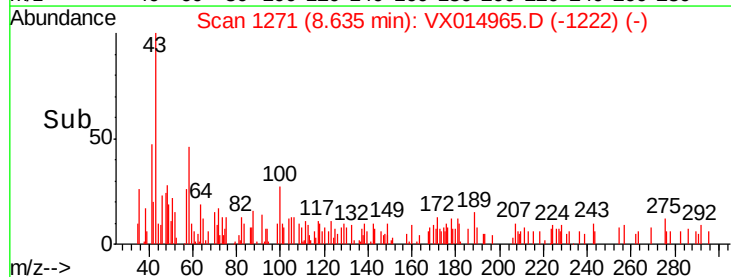
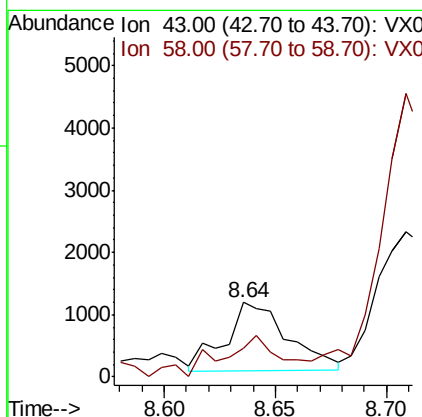
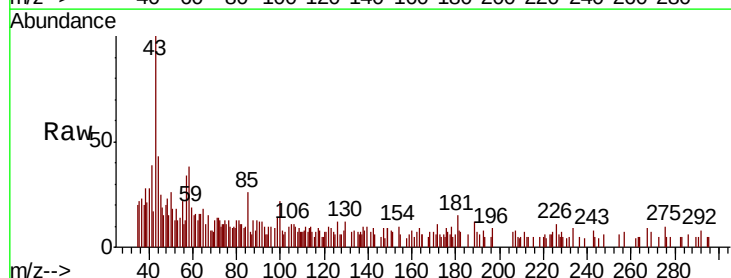
Instrument :
MSVOA_X
ClientSampleId :

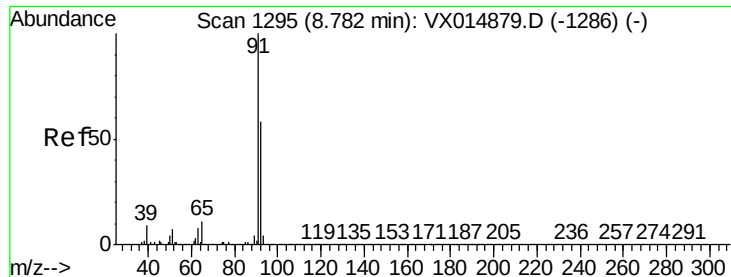
Tot Ion: 98 Resp: 831079
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 0.338 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Tgt Ion: 43 Resp: 2166
Ion Ratio Lower Upper
43 100
58 62.1 31.9 47.9#





#52

Toluene

Concen: 0.572 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX014965.D

Acq: 19 Feb 2020 13:53

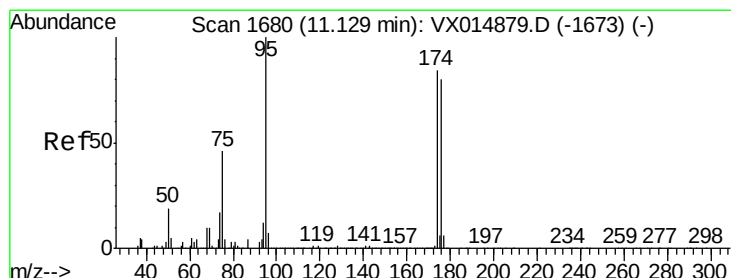
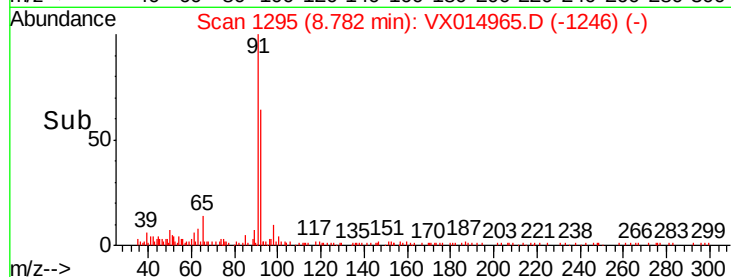
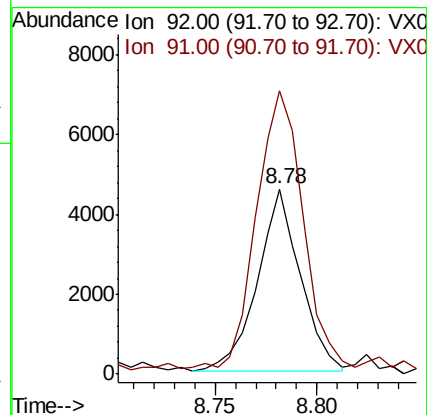
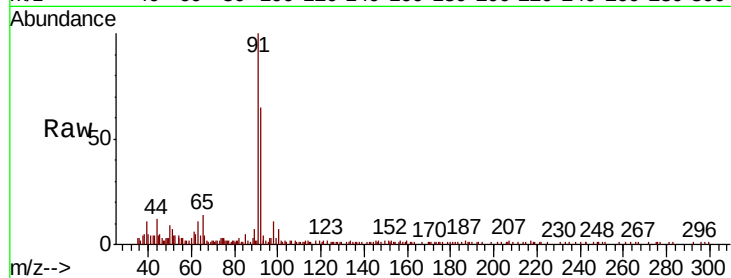
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 92 Resp: 6687

Ion Ratio Lower Upper

92 100

91 161.7 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 54.192 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014965.D

Acq: 19 Feb 2020 13:53

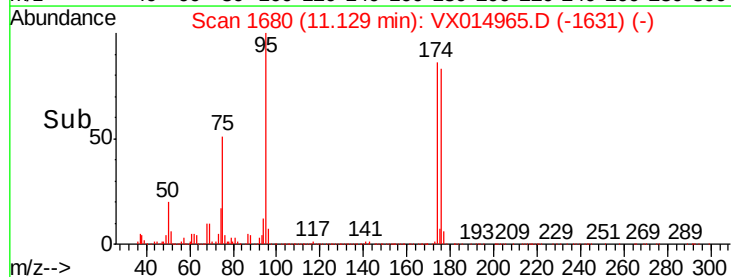
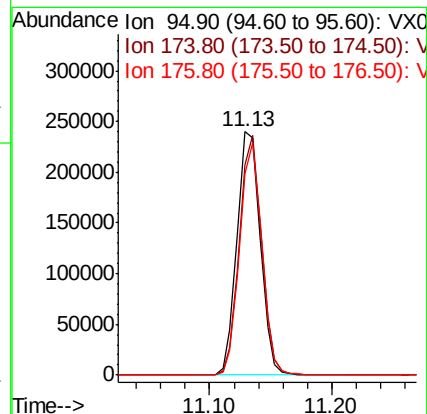
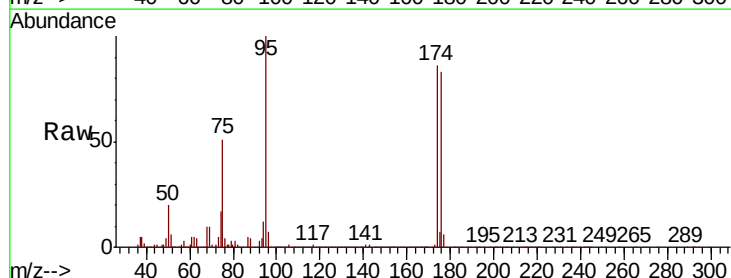
Tgt Ion: 95 Resp: 315520

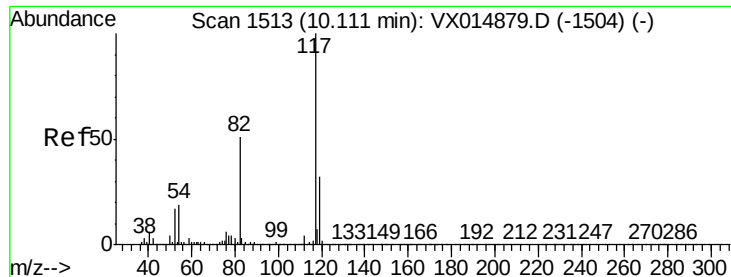
Ion Ratio Lower Upper

95 100

174 93.4 0.0 183.0

176 90.7 0.0 178.0

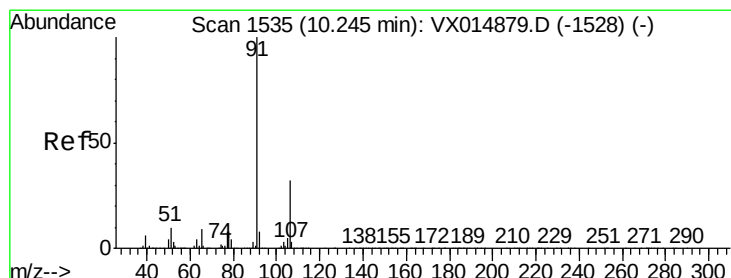
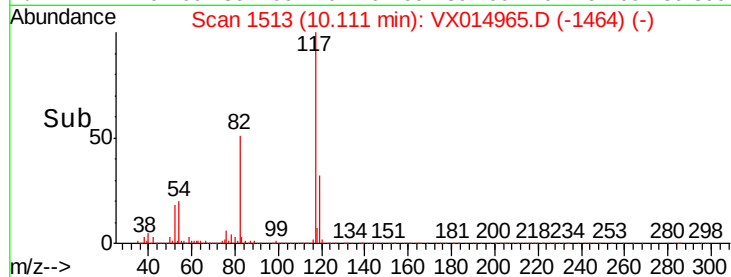
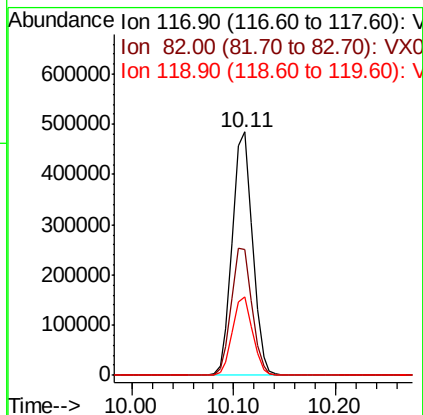
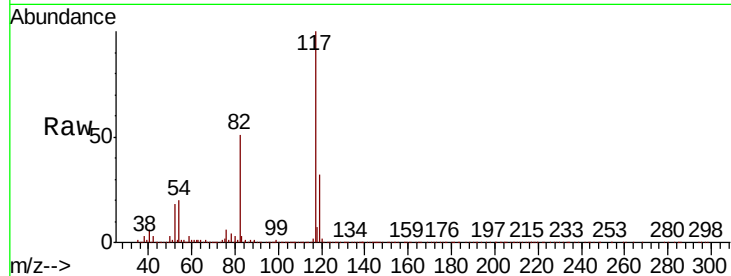




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

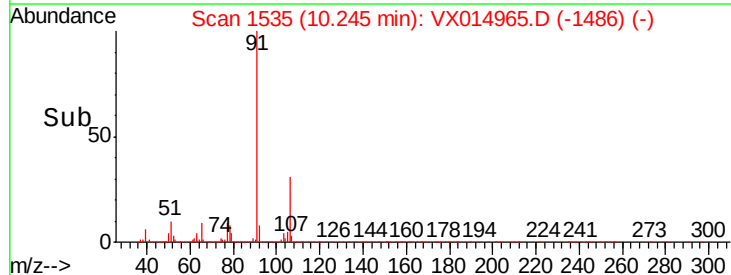
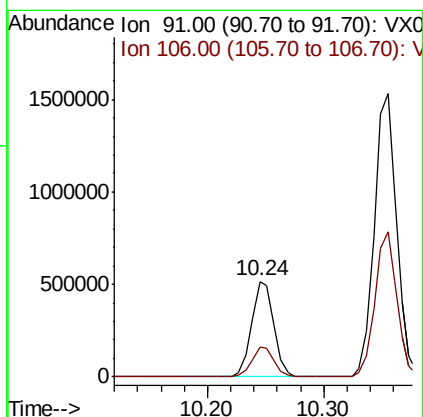
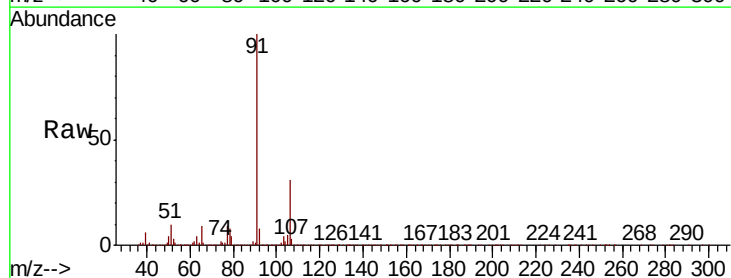
Instrument :
MSVOA_X
ClientSampleId :

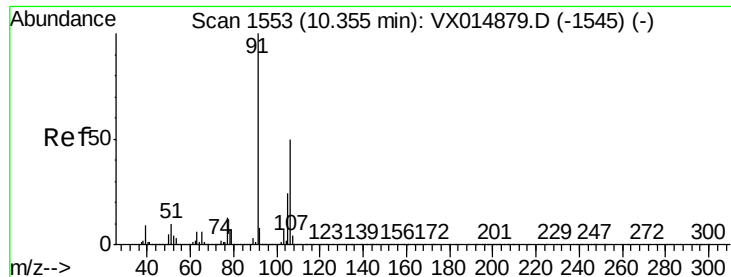
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	40.5	60.7
119	32.3	25.8	38.6



#67
Ethyl Benzene
Concen: 29.881 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.3	37.9





#68

m/p-Xylenes

Concen: 116.725 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX014965.D

Acq: 19 Feb 2020 13:53

Instrument :

MSVOA_X

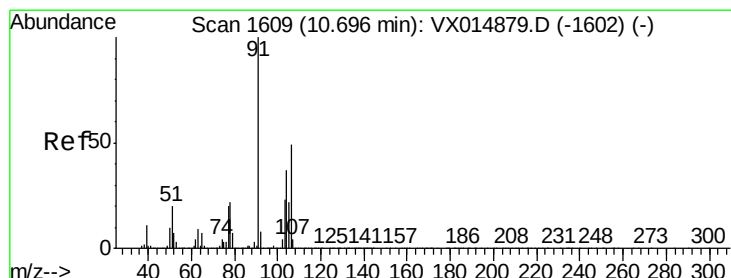
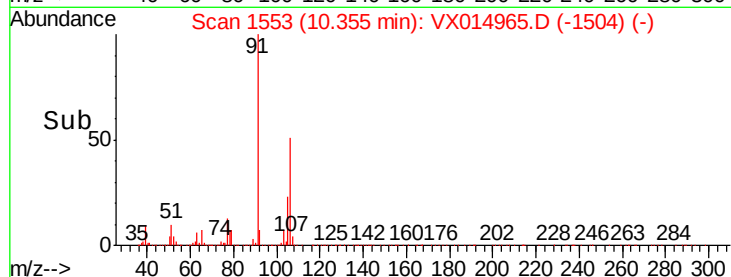
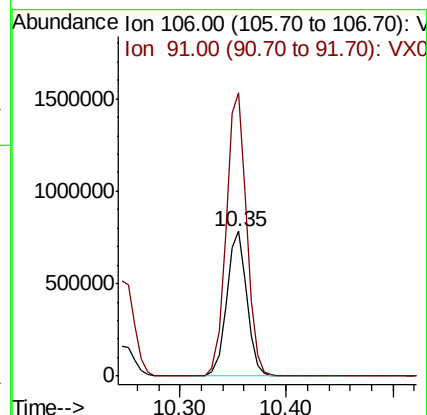
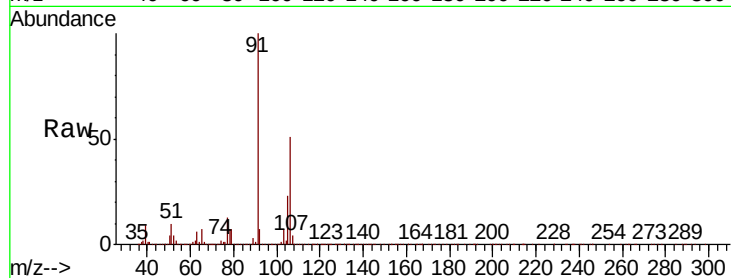
ClientSampleId :

Tot Ion:106 Resp: 1029826

Ion Ratio Lower Upper

106 100

91 197.9 160.6 240.8



#69

o-Xylene

Concen: 35.190 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX014965.D

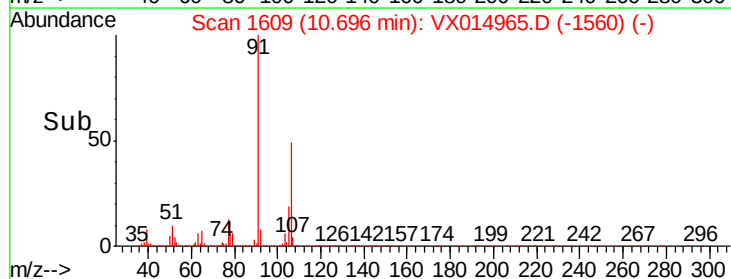
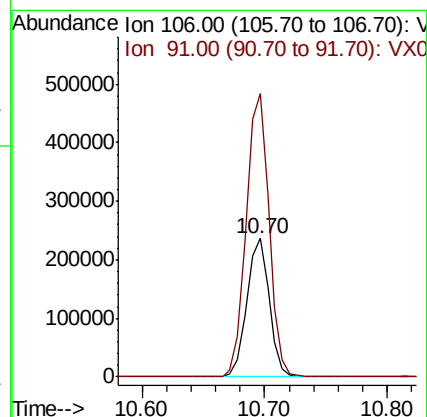
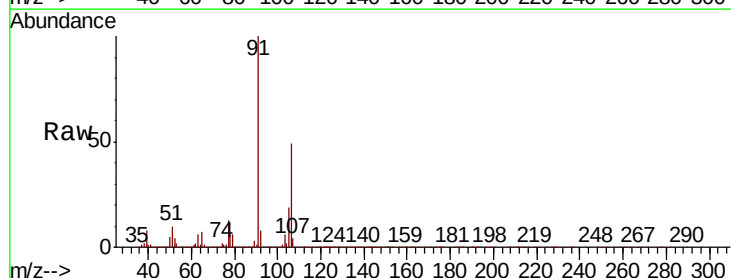
Acq: 19 Feb 2020 13:53

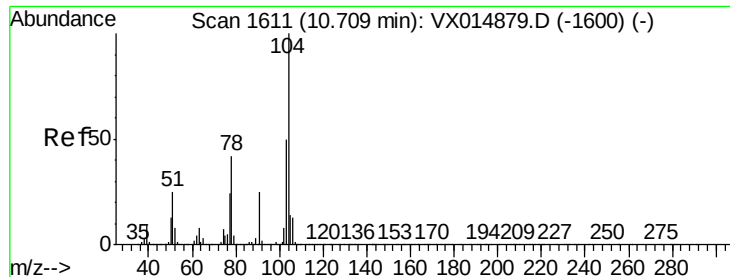
Tgt Ion:106 Resp: 298445

Ion Ratio Lower Upper

106 100

91 209.6 105.1 315.3

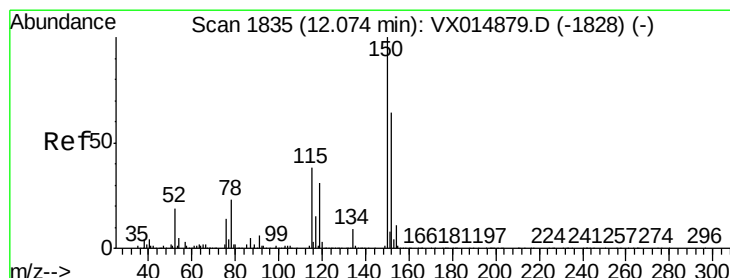
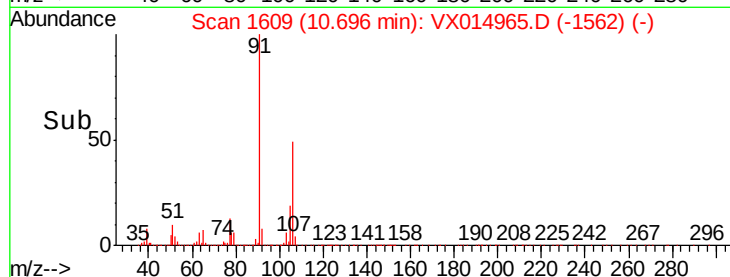
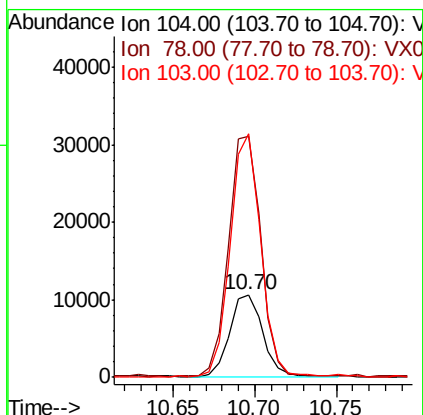
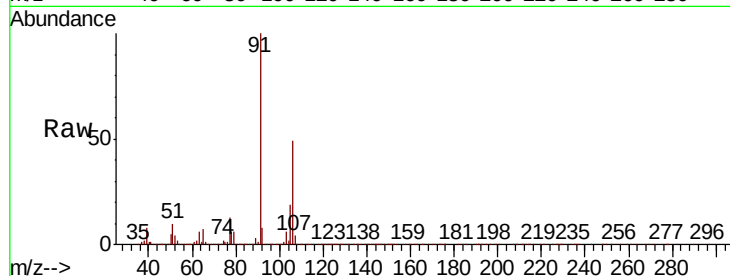




#70
Stvrene
Concen: 1.046 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.01 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

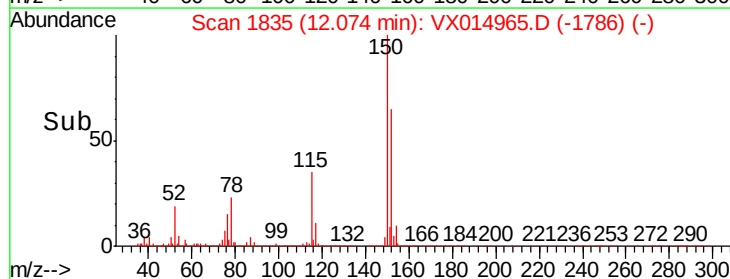
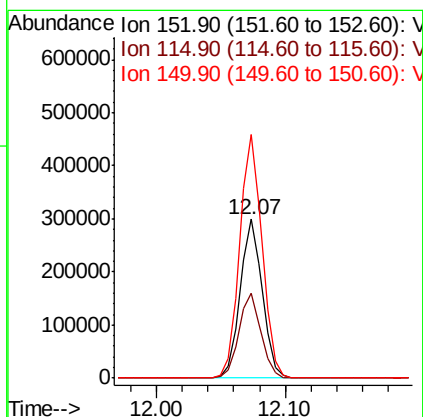
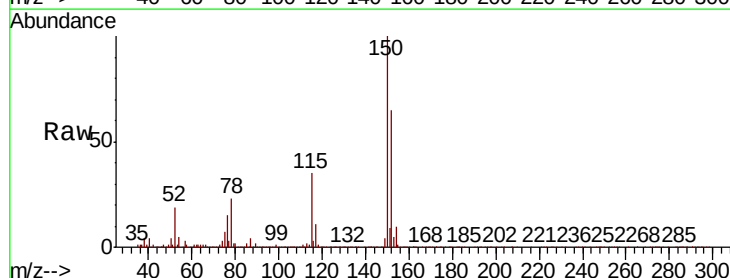
Instrument :
MSVOA_X
ClientSampleId :

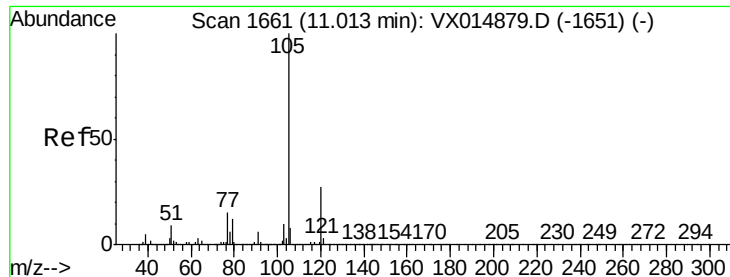
Tot Ion	Ratio	Lower	Upper
104	100		
78	284.4	39.0	58.4#
103	271.3	43.4	65.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	38.6	116.0
150	155.8	0.0	349.0





#73

Isopropylbenzene

Concen: 0.229 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014965.D

Acq: 19 Feb 2020 13:53

Instrument :

MSVOA_X

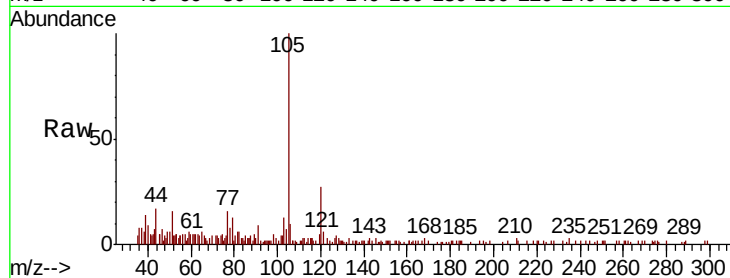
ClientSampleId :

Tot Ion:105 Resp: 5079

Ion Ratio Lower Upper

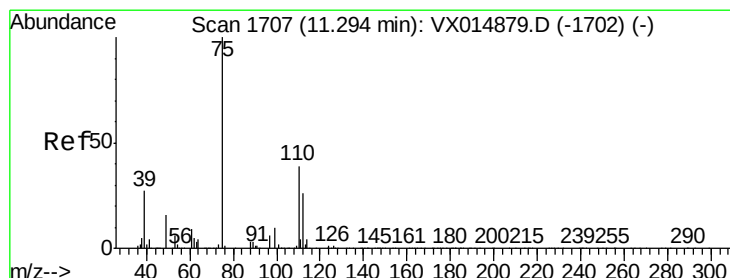
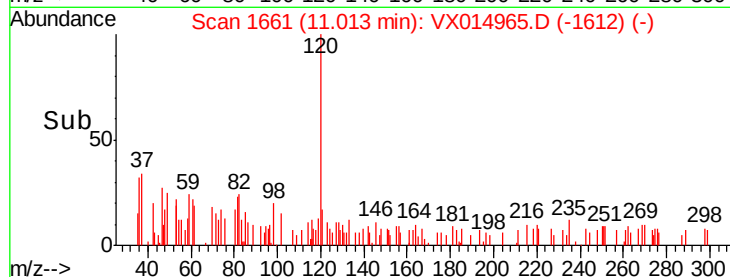
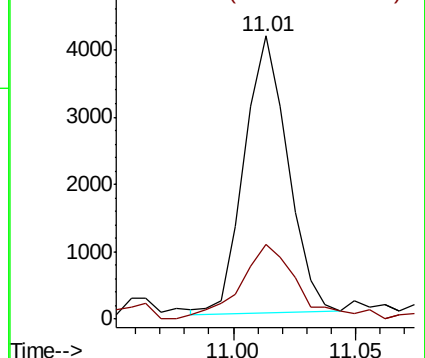
105 100

120 35.7 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 24.665 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014965.D

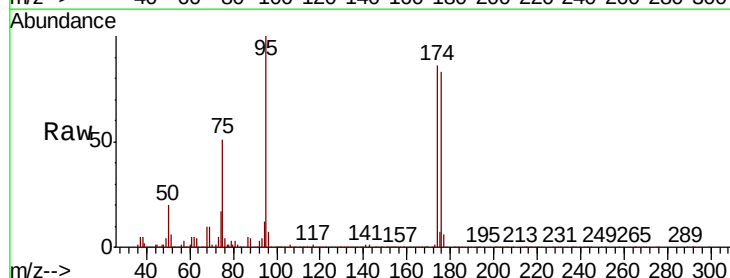
Acq: 19 Feb 2020 13:53

Tgt Ion: 75 Resp: 157625

Ion Ratio Lower Upper

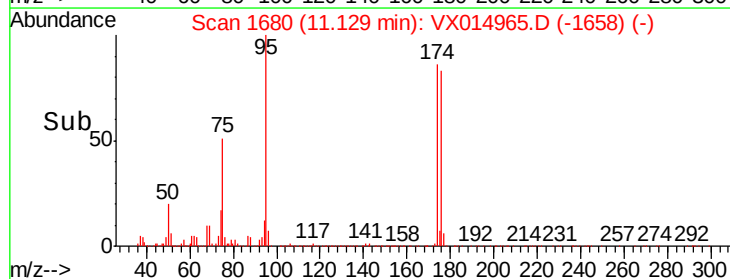
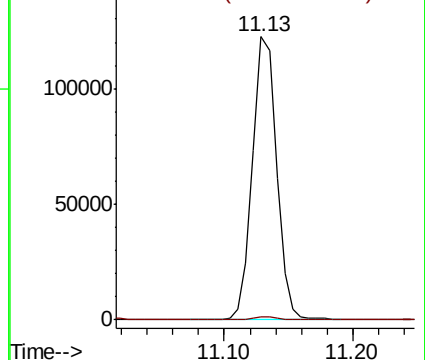
75 100

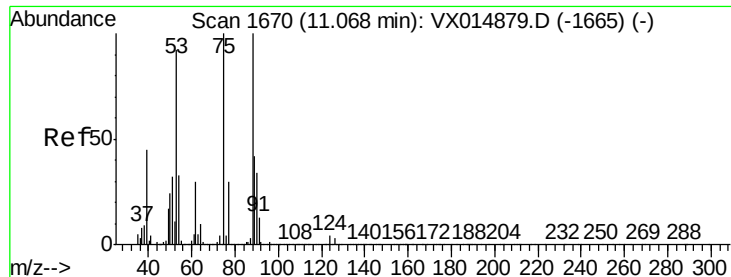
77 1.4 18.4 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

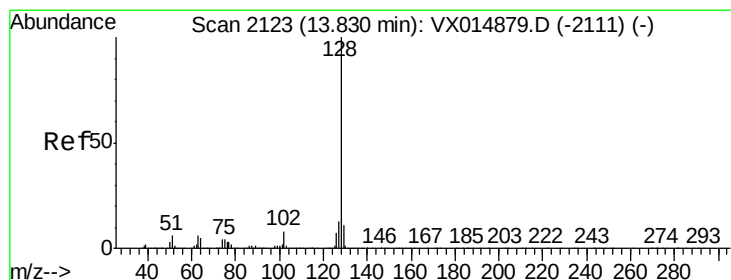
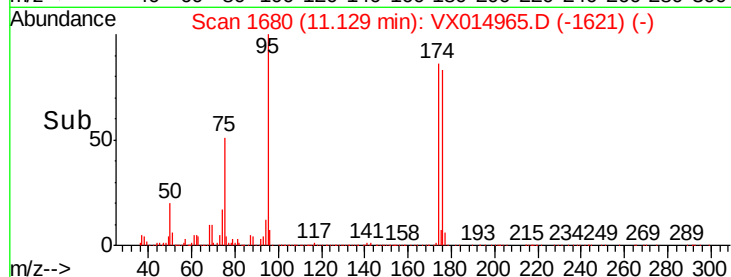
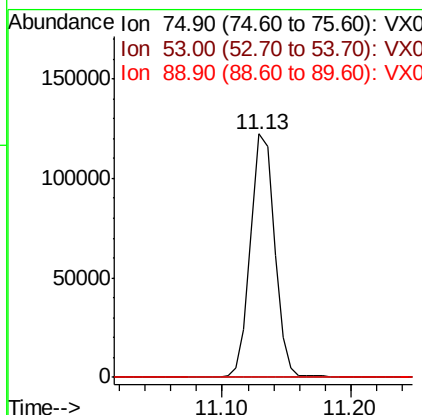
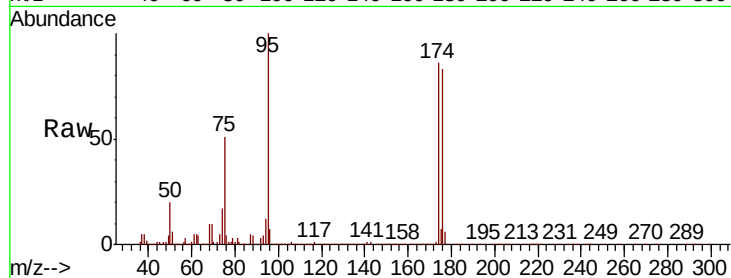




#81
trans-1,4-Dichloro-2-butene
Concen: 63.135 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.1	76.2	114.2#
89	0.0	35.8	53.6#



#95
Naphthalene
Concen: 0.636 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014965.D
Acq: 19 Feb 2020 13:53

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.4	15.6
129	13.7	8.6	13.0#

