

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022020\
 Data File : VX014969.D
 Acq On : 20 Feb 2020 10:37
 Operator : JC/SP
 Sample : VX0220WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 21 00:31:02 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	445310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	701029	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	644074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	302130	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	259224	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
35) Dibromofluoromethane	5.48	113	216342	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
50) Toluene-d8	8.71	98	829657	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.13	95	285722	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

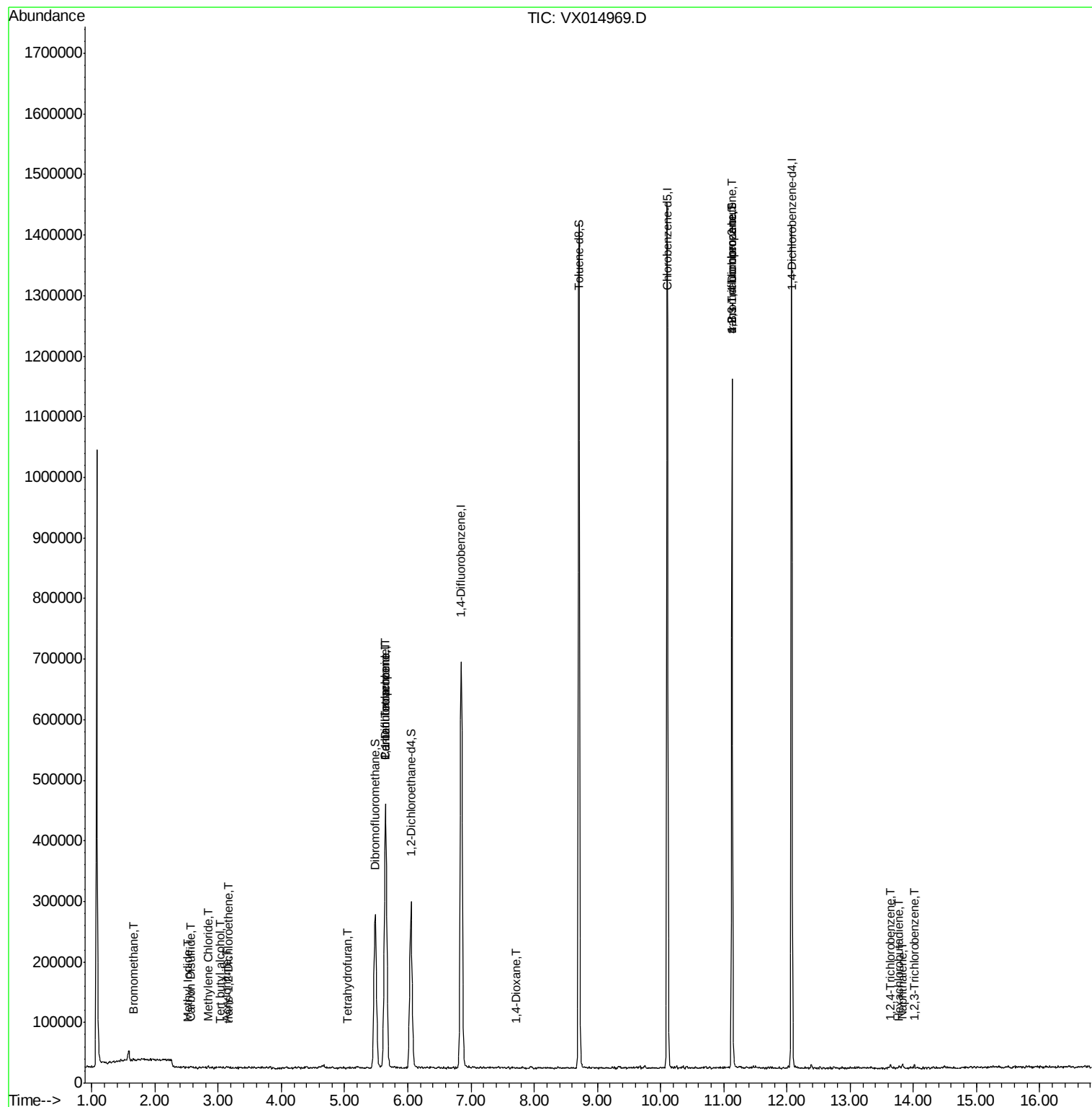
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	2183	0.655	ug/l	90
10) Methyl Iodide	2.51	142	1376	4.638	ug/l #	16
11) Tert butyl alcohol	3.02	59	397	0.447	ug/l #	1
15) Acrylonitrile	3.13	53	508	0.226	ug/l #	1
16) Acetone	2.43	43	1008	Below Cal		90
17) Carbon Disulfide	2.57	76	2383	0.209	ug/l #	93
20) Methylene Chloride	2.85	84	1076	0.223	ug/l #	72
21) trans-1,2-Dichloroethene	3.17	96	908	0.202	ug/l #	20
29) Tetrahydrofuran	5.04	42	513	0.264	ug/l	87
36) 1,1-Dichloropropene	5.64	75	30760	4.905	ug/l #	52
38) Carbon Tetrachloride	5.65	117	39253	6.423	ug/l #	16
49) 1,4-Dioxane	7.72	88	103	1.038	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	142651	26.110	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	142651	66.833	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	2043	0.298	ug/l	91
94) Hexachlorobutadiene	13.78	225	730	0.220	ug/l	78
95) Naphthalene	13.83	128	3777	0.207	ug/l #	79
96) 1,2,3-Trichlorobenzene	14.02	180	1765	0.266	ug/l	94

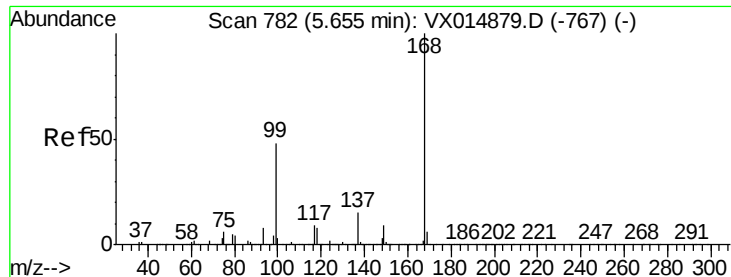
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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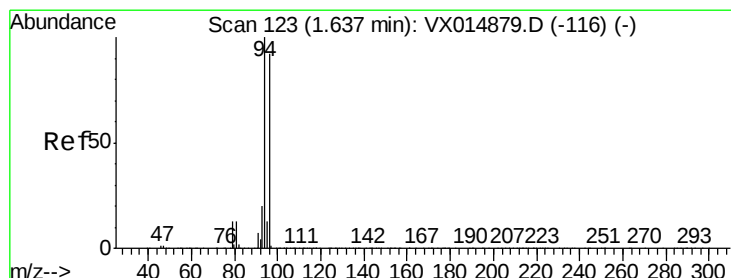
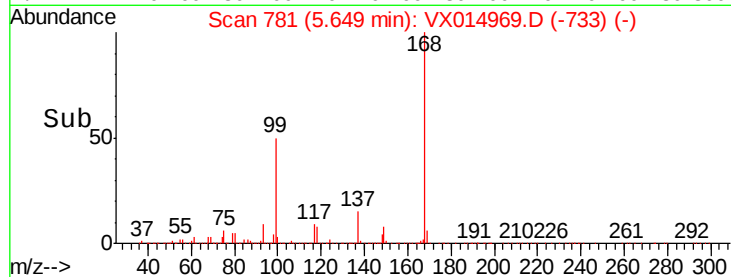
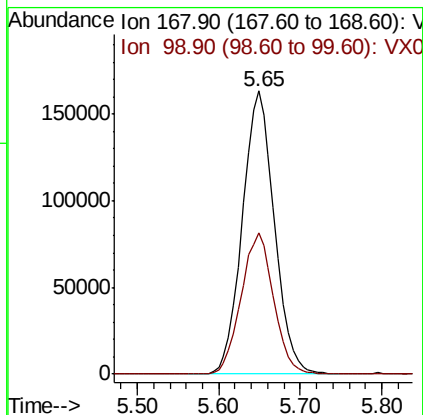
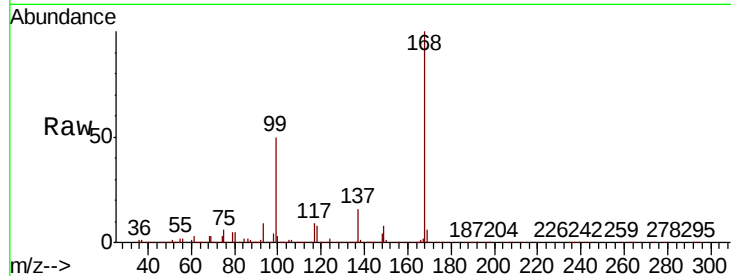


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: VX014969.D
 Acq: 20 Feb 2020 10:37

Instrument :
 MSVOA_X
 ClientSampleId :

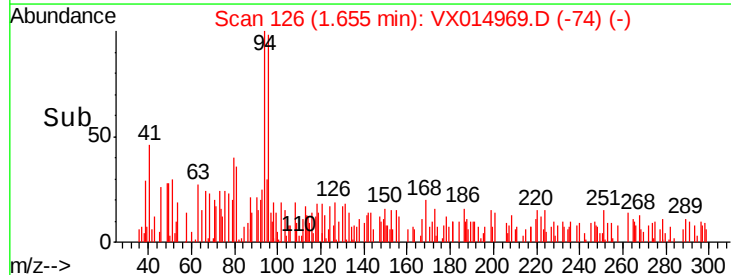
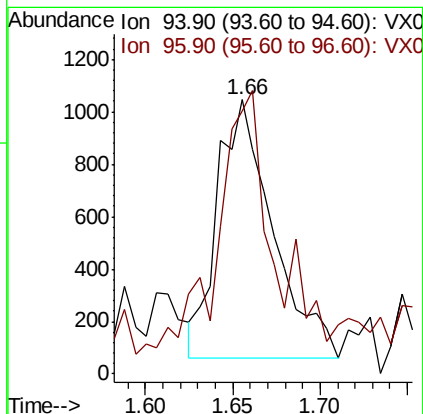
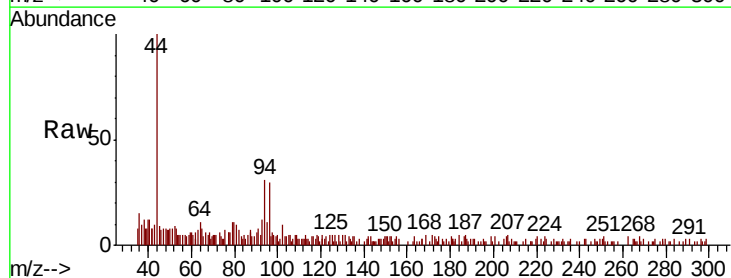
Tot Ion:168 Resp: 445310
 Ion Ratio Lower Upper
 168 100
 99 50.0 38.7 58.1

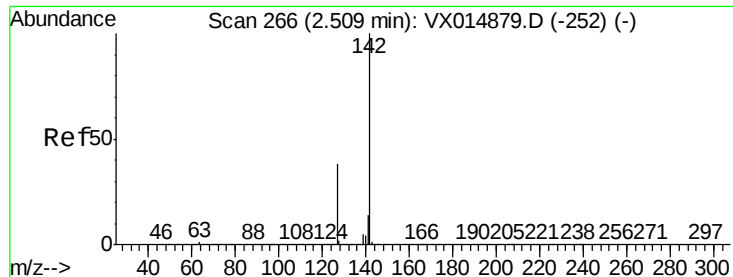


#5

Bromomethane
 Concen: 0.655 ug/l
 RT: 1.66 min Scan# 126
 Delta R.T. 0.02 min
 Lab File: VX014969.D
 Acq: 20 Feb 2020 10:37

Tgt Ion: 94 Resp: 2183
 Ion Ratio Lower Upper
 94 100
 96 82.6 73.7 110.5

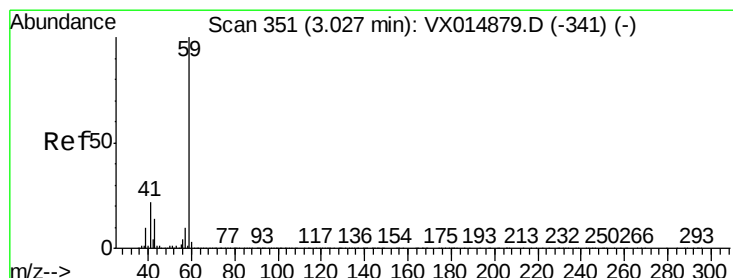
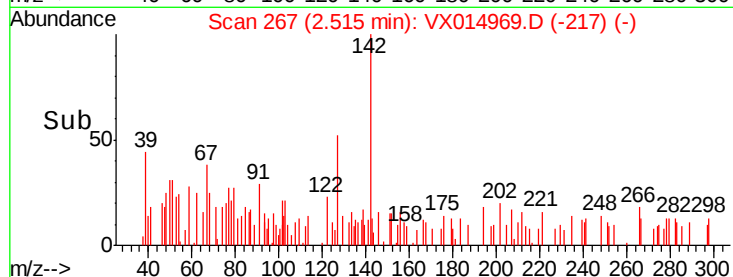
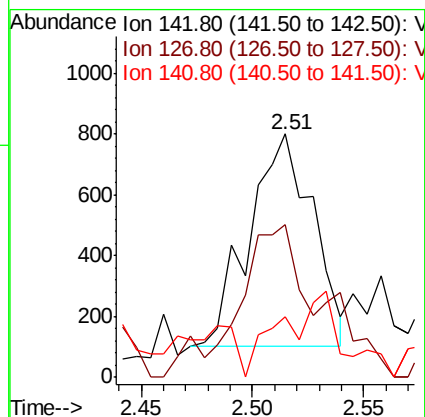
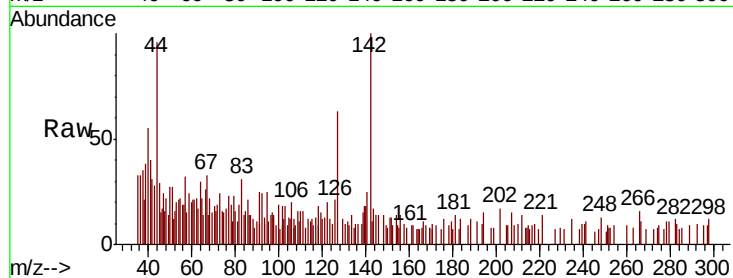




#10
Methvl Iodide
Concen: 4.638 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014969.D
Acq: 20 Feb 2020 10:37

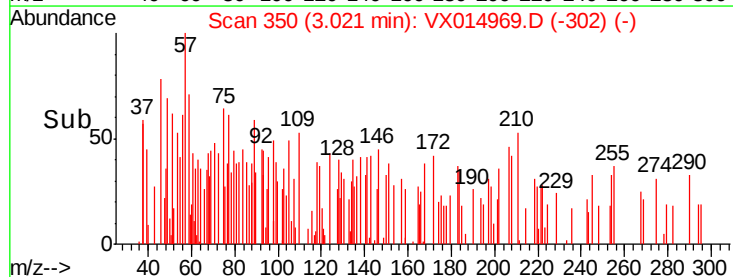
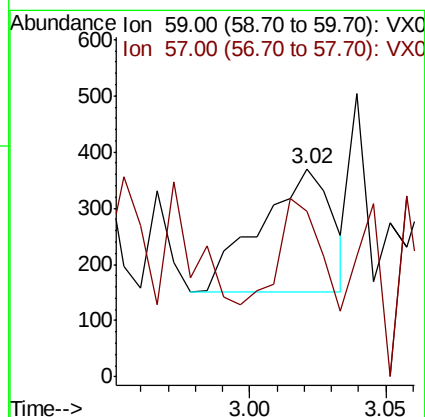
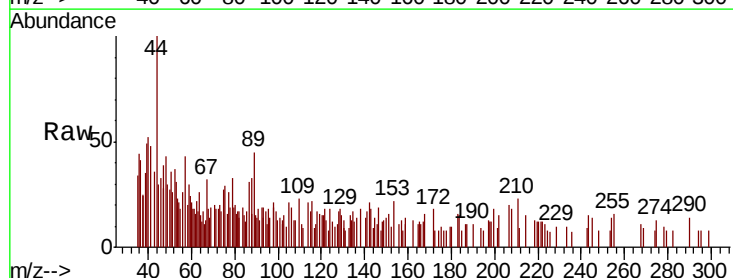
Instrument :
MSVOA_X
ClientSampled :

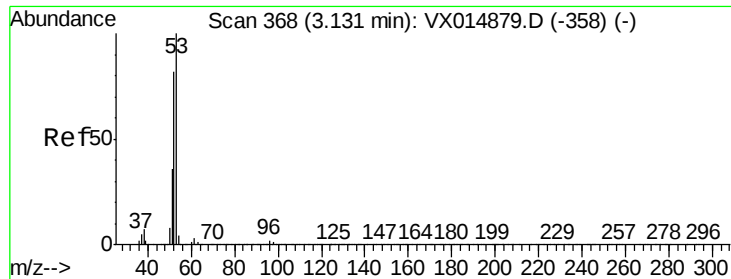
Tot Ion:142 Resp: 1376
Ion Ratio Lower Upper
142 100
127 95.3 31.1 46.7#
141 39.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.447 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014969.D
Acq: 20 Feb 2020 10:37

Tgt Ion: 59 Resp: 397
Ion Ratio Lower Upper
59 100
57 51.1 8.2 12.4#





#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampled :

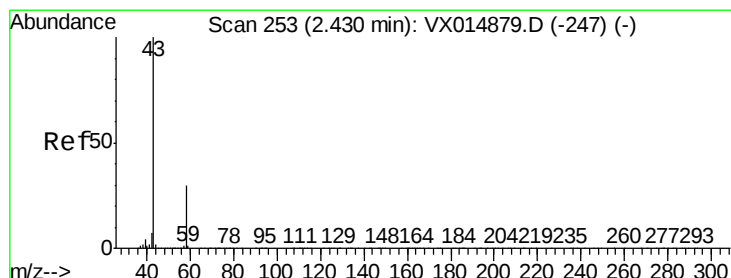
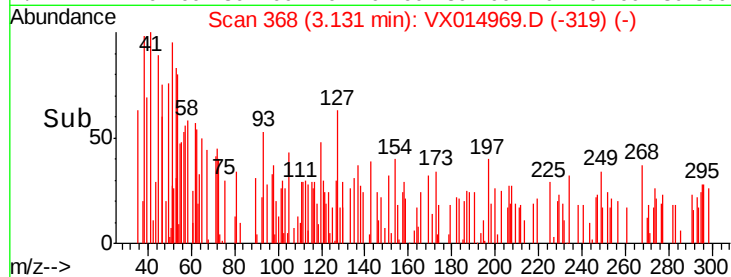
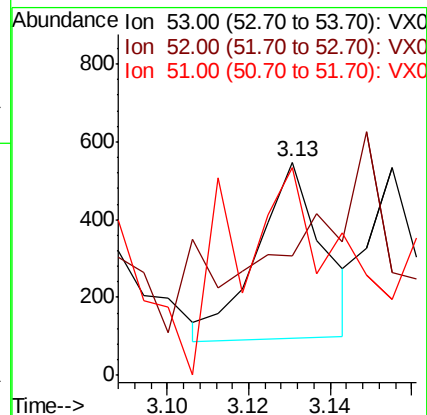
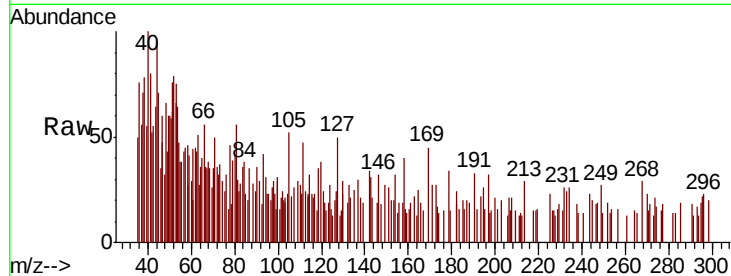
Tot Ion: 53 Resp: 508

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.6#

51 197.4 29.1 43.7#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014969.D

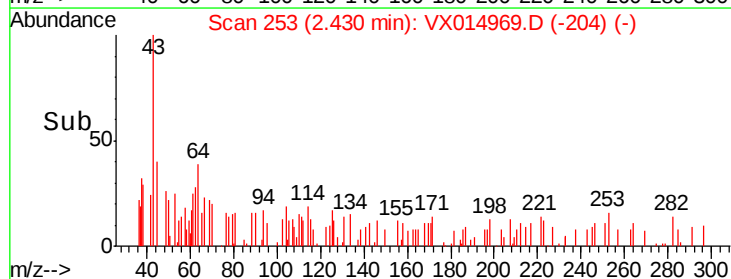
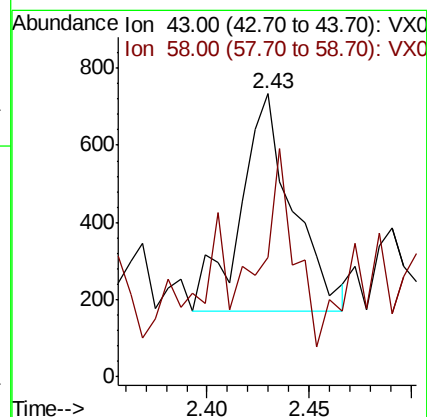
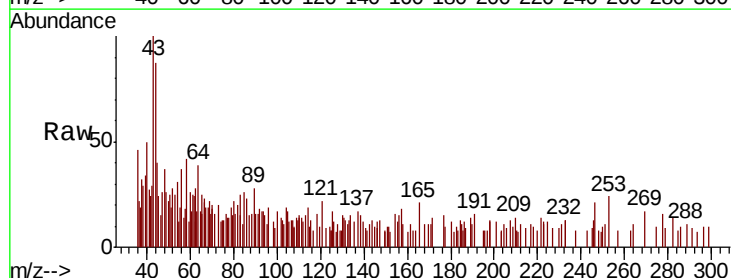
Acq: 20 Feb 2020 10:37

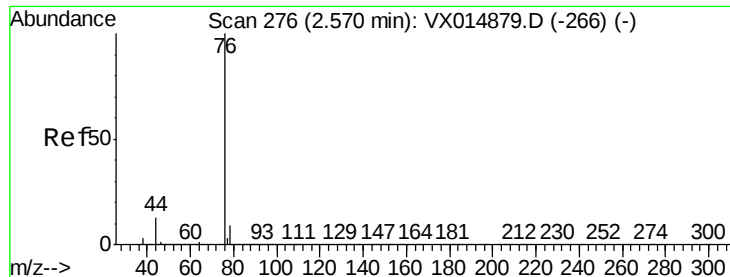
Tgt Ion: 43 Resp: 1008

Ion Ratio Lower Upper

43 100

58 24.8 24.1 36.1





#17

Carbon Disulfide

Concen: 0.209 ug/l

RT: 2.57 min Scan# 276

Delta R.T. -0.00 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

Instrument :

MSVOA_X

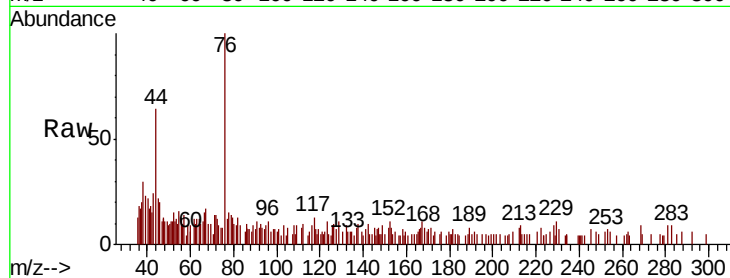
ClientSampled :

Tot Ion: 76 Resp: 2383

Ion Ratio Lower Upper

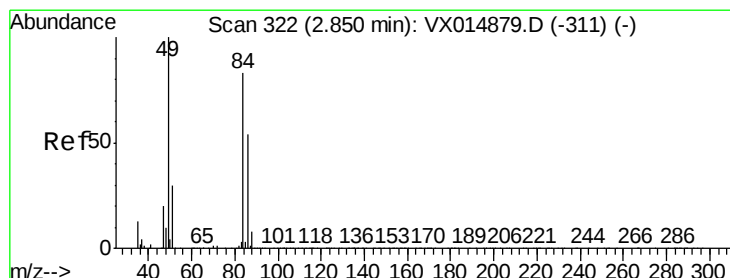
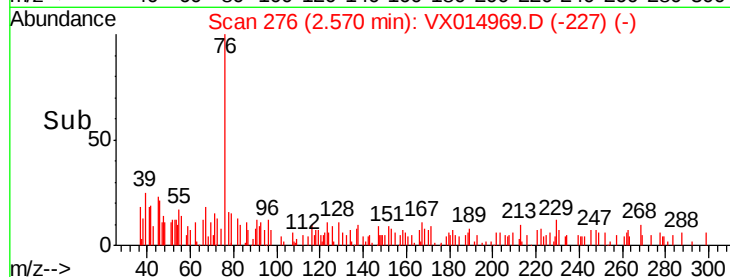
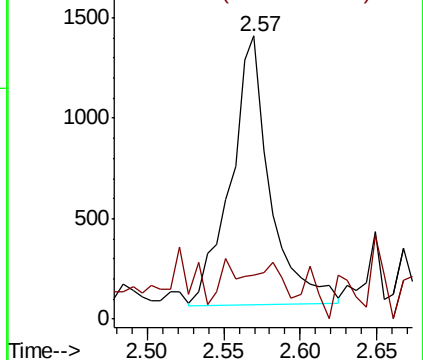
76 100

78 6.8 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.223 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

Tgt Ion: 84 Resp: 1076

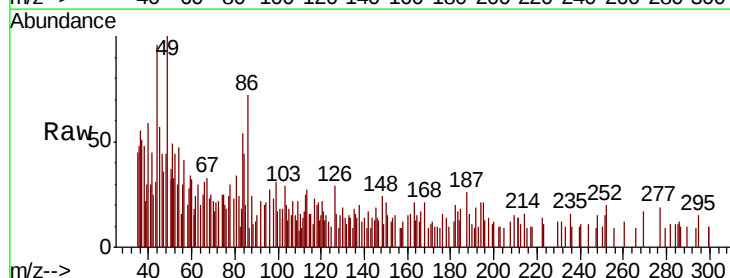
Ion Ratio Lower Upper

84 100

49 87.5 95.6 143.4#

51 58.1 29.0 43.6#

86 47.9 51.4 77.0#

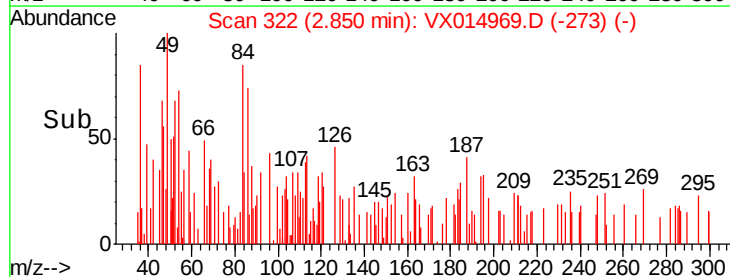
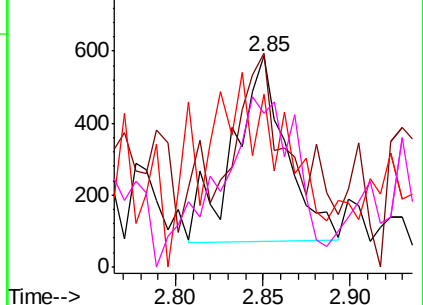


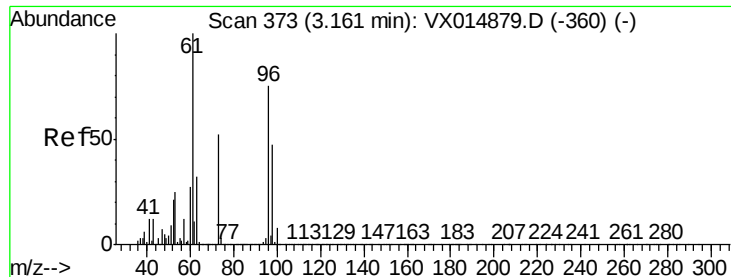
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.202 ug/l

RT: 3.17 min Scan# 375

Delta R.T. 0.01 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampled :

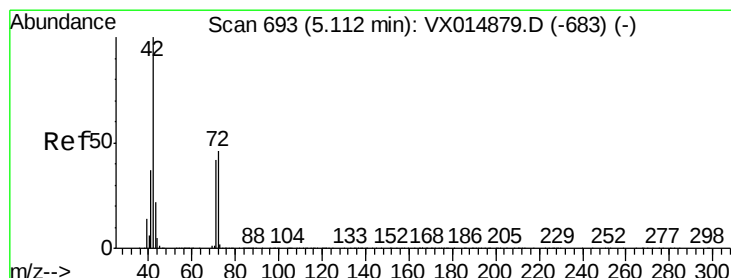
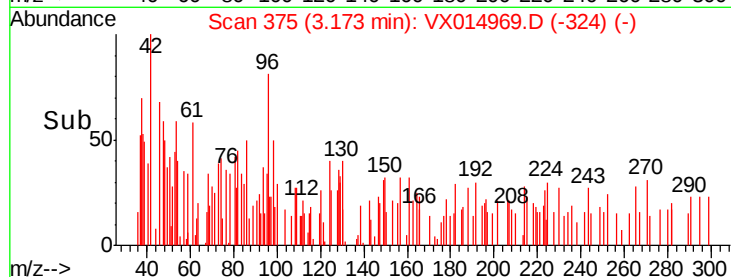
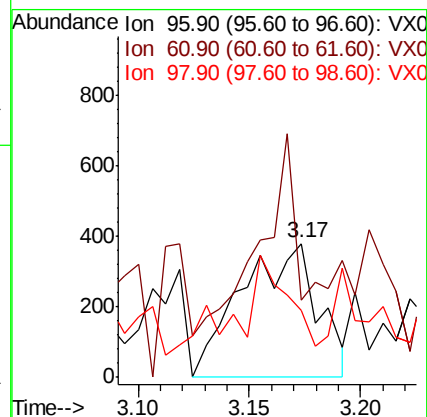
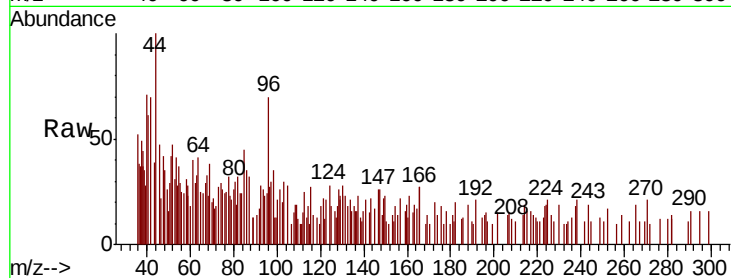
Tot Ion: 96 Resp: 908

Ion Ratio Lower Upper

96 100

61 26.8 106.9 160.3#

98 18.9 50.7 76.1#



#29

Tetrahydrofuran

Concen: 0.264 ug/l

RT: 5.04 min Scan# 682

Delta R.T. -0.07 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

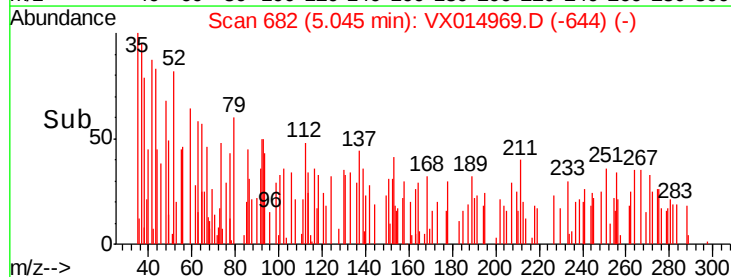
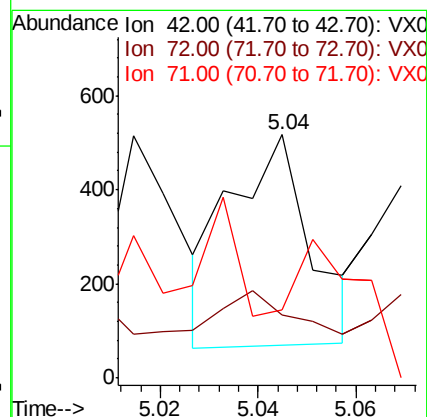
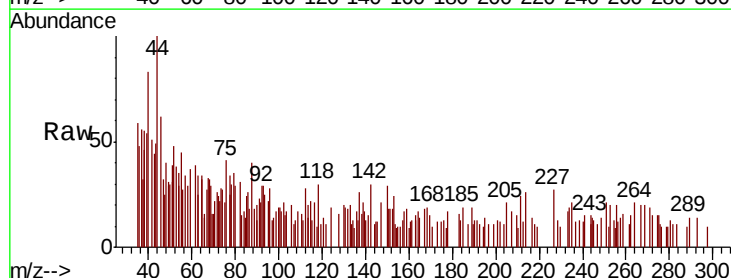
Tgt Ion: 42 Resp: 513

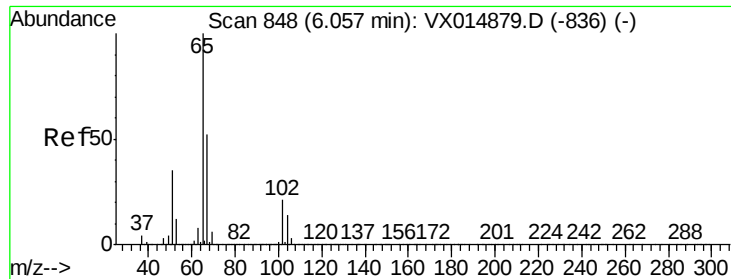
Ion Ratio Lower Upper

42 100

72 37.4 36.9 55.3

71 50.7 34.1 51.1

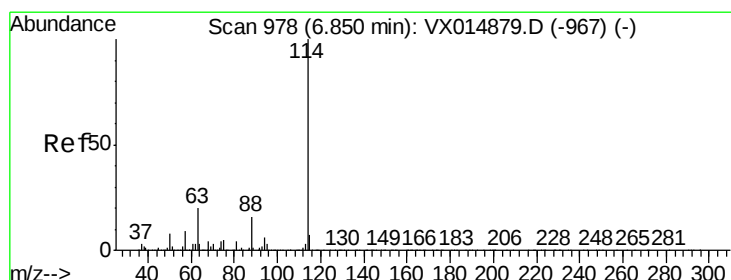
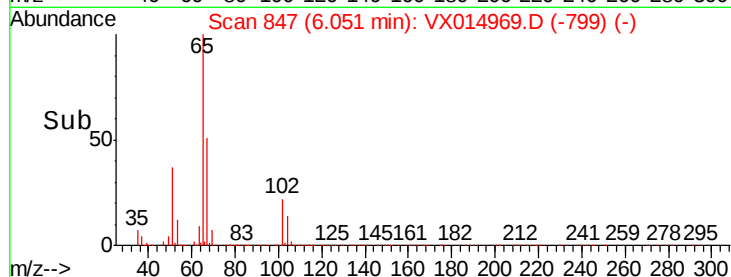
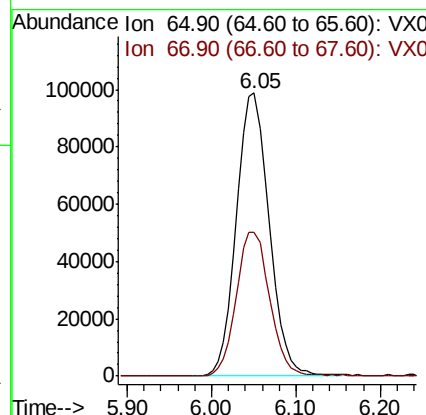
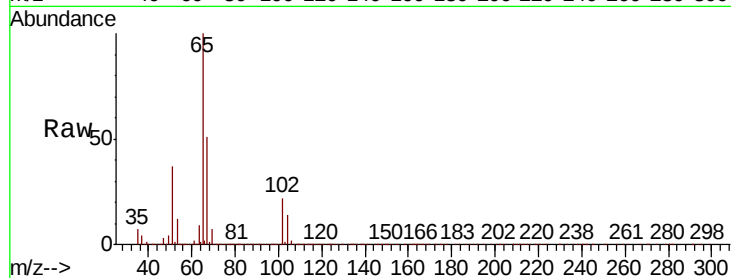




#33
 1,2-Dichloroethane-d4
 Concen: 51.580 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX014969.D
 Acq: 20 Feb 2020 10:37

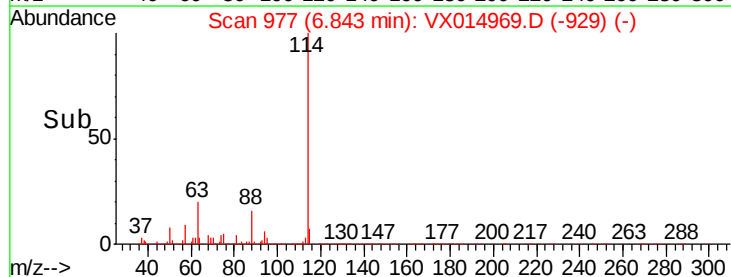
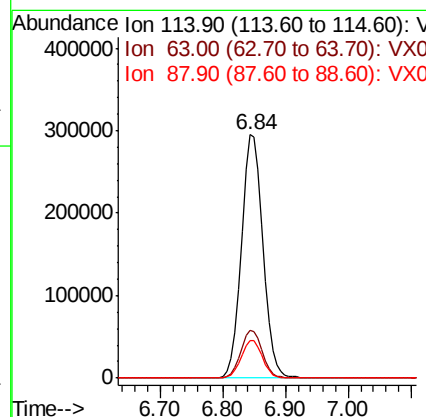
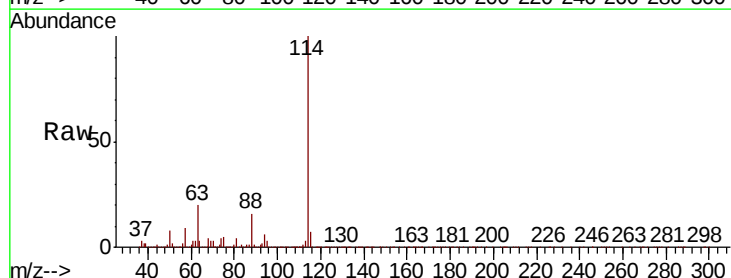
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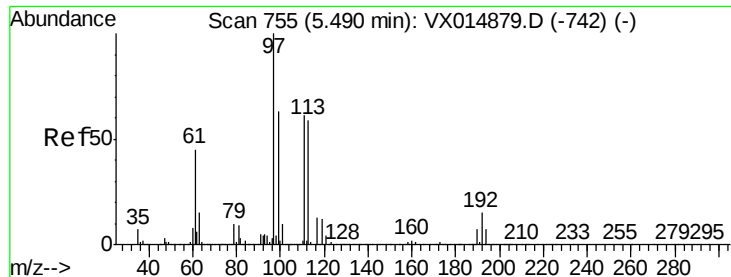
Tot Ion: 65 Resp: 259224
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014969.D
 Acq: 20 Feb 2020 10:37

Tgt Ion: 114 Resp: 701029
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.2
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.198 ug/l

RT: 5.48 min Scan# 754

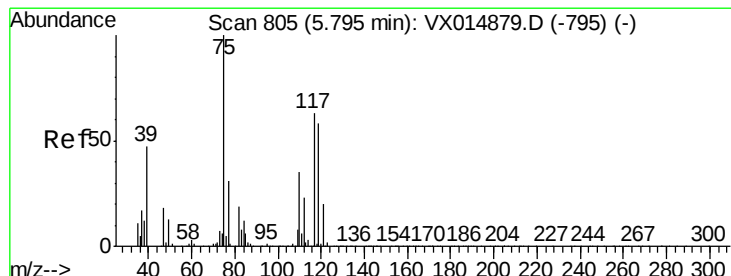
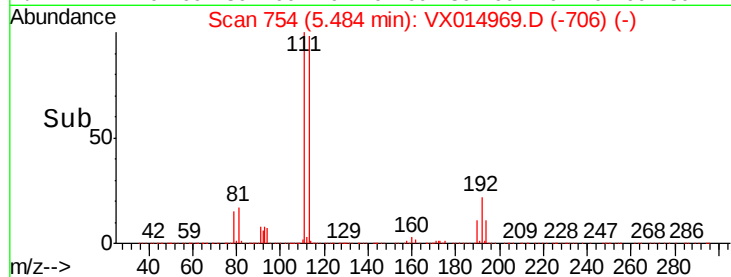
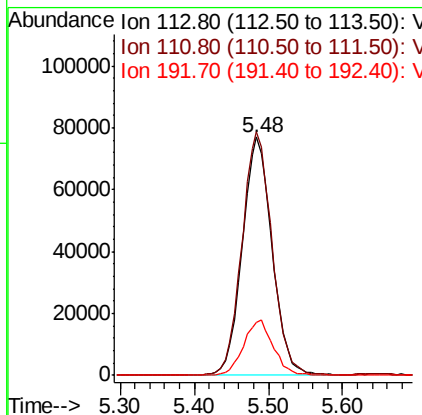
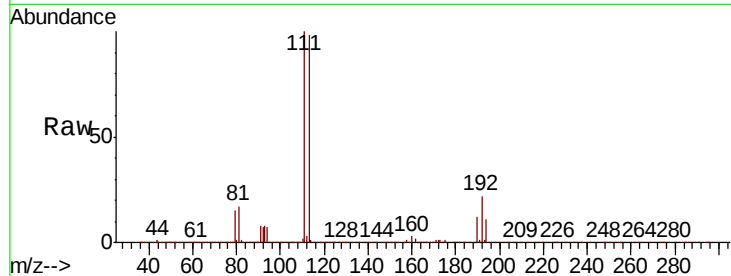
Delta R.T. -0.01 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	216342
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	23.4	19.1	28.7



#36

1,1-Dichloropropene

Concen: 4.905 ug/l

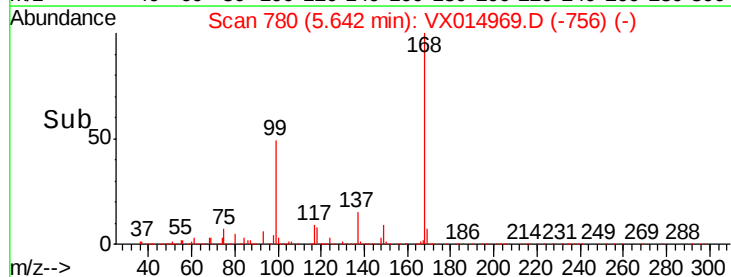
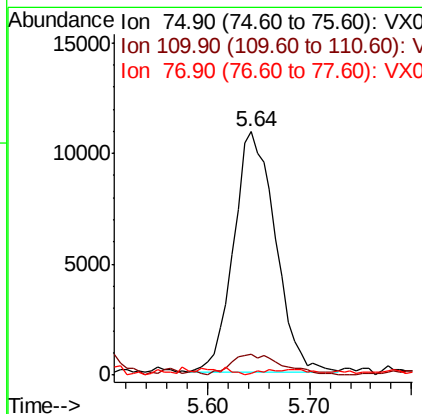
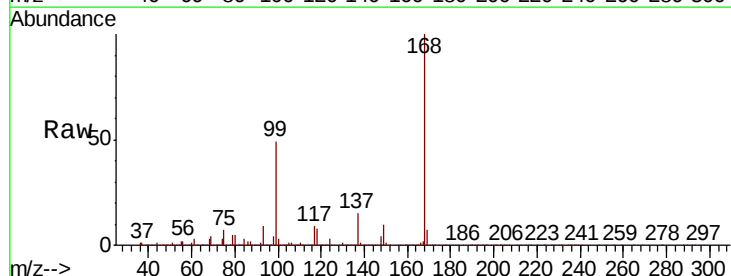
RT: 5.64 min Scan# 780

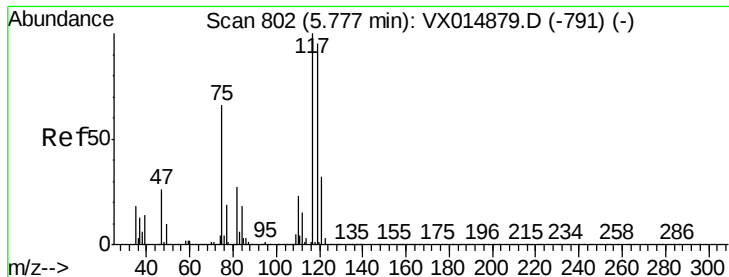
Delta R.T. -0.15 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

Tgt Ion:	75	Resp:	30760
Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.3	54.8#
77	1.2	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.423 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampleId :

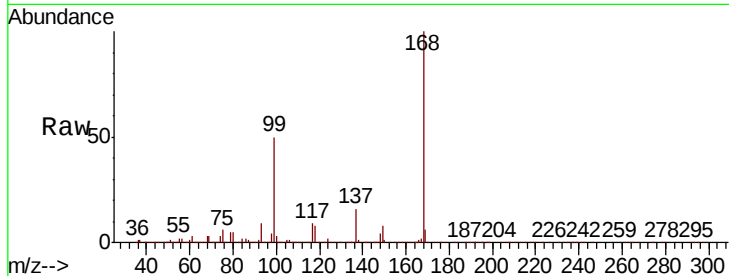
Tot Ion:117 Resp: 39253

Ion Ratio Lower Upper

117 100

119 4.0 76.0 114.0#

121 0.7 25.4 38.2#

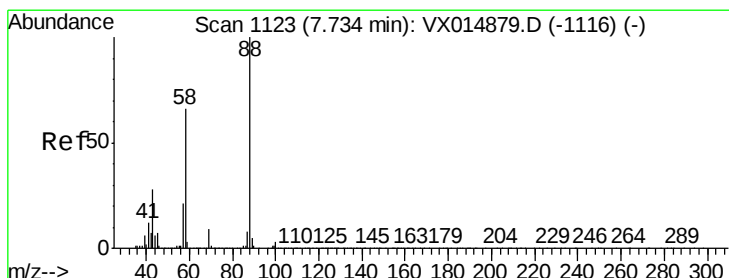
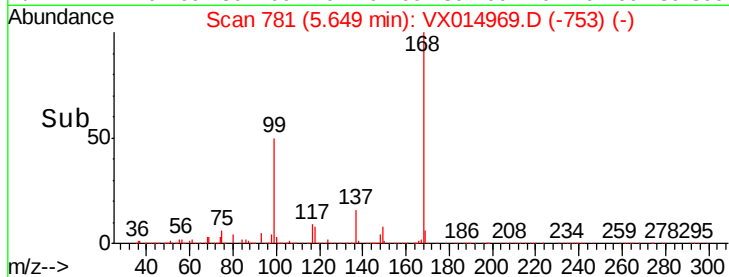
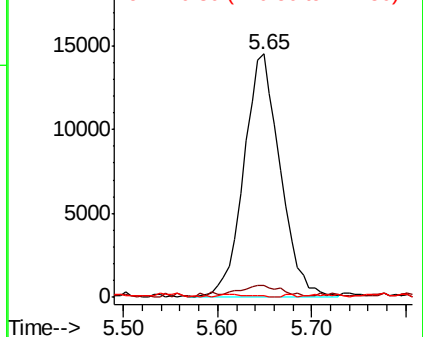


Abundance

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: 1.038 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

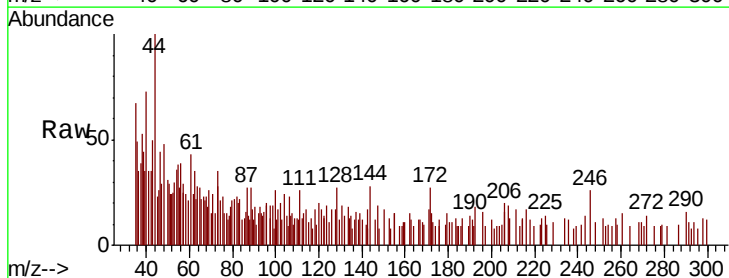
Tgt Ion: 88 Resp: 103

Ion Ratio Lower Upper

88 100

43 351.5 27.0 40.4#

58 0.0 53.2 79.8#

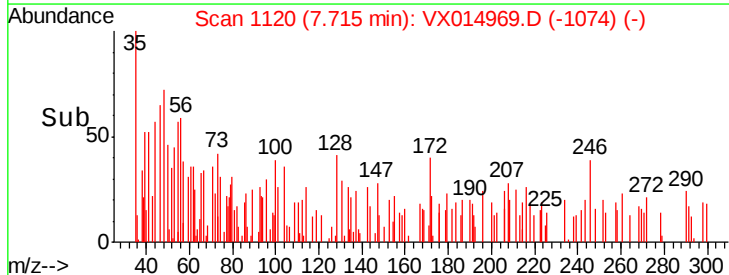
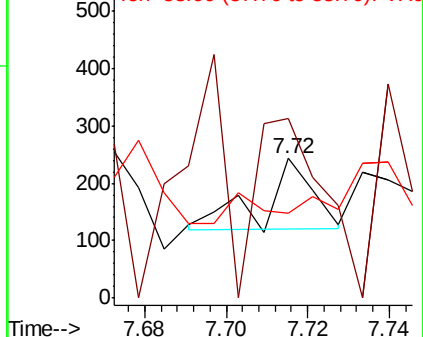


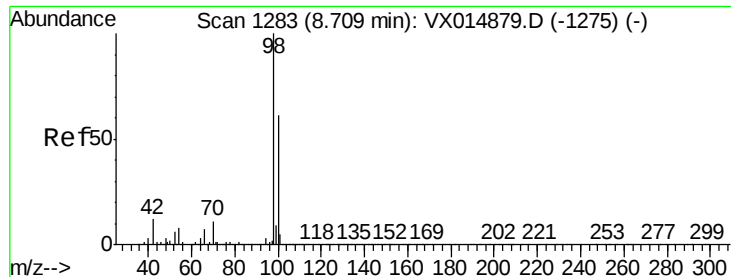
Abundance

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

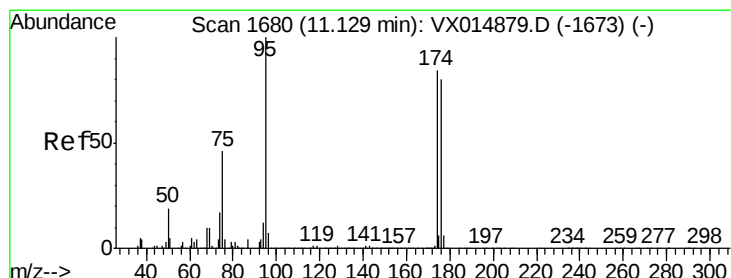
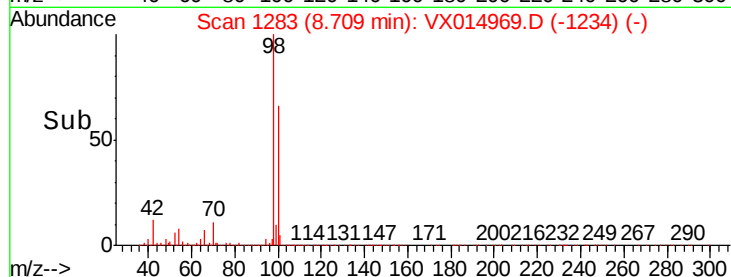
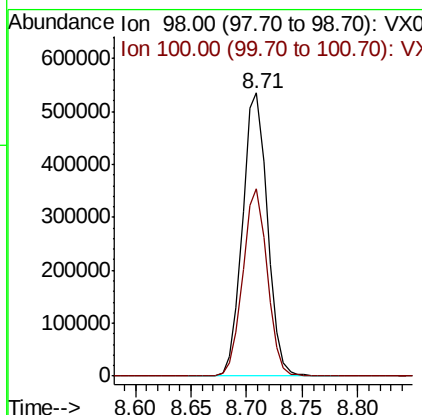
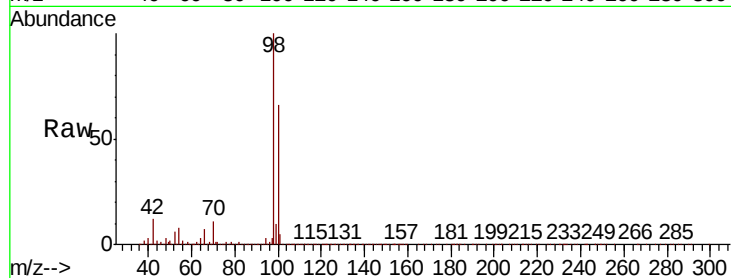




#50
Toluene-d8
Concen: 50.433 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014969.D
Acq: 20 Feb 2020 10:37

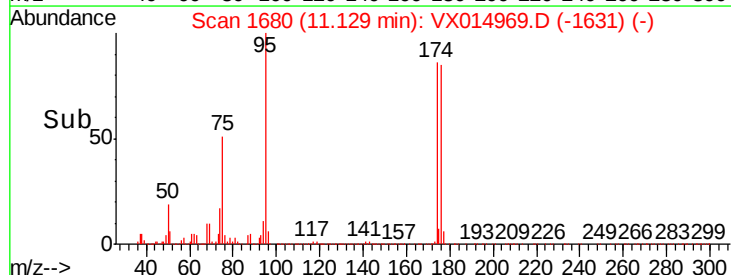
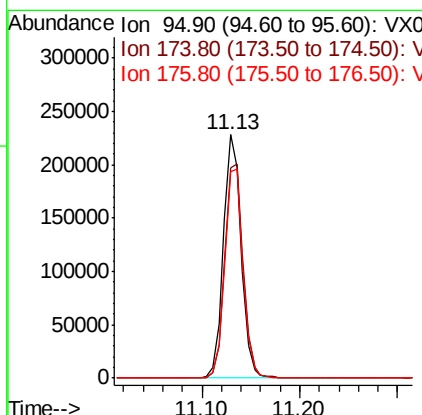
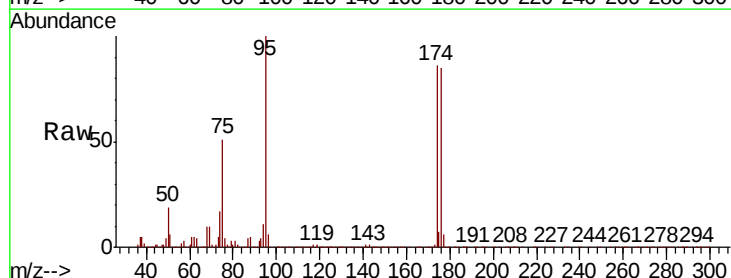
Instrument :
MSVOA_X
ClientSampleId :

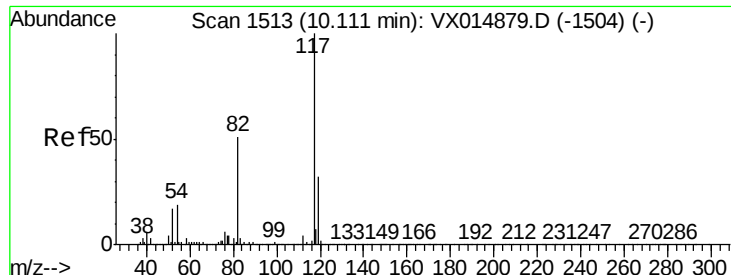
Tot Ion: 98 Resp: 829657
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.214 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014969.D
Acq: 20 Feb 2020 10:37

Tgt Ion: 95 Resp: 285722
Ion Ratio Lower Upper
95 100
174 92.1 0.0 183.0
176 88.8 0.0 178.0

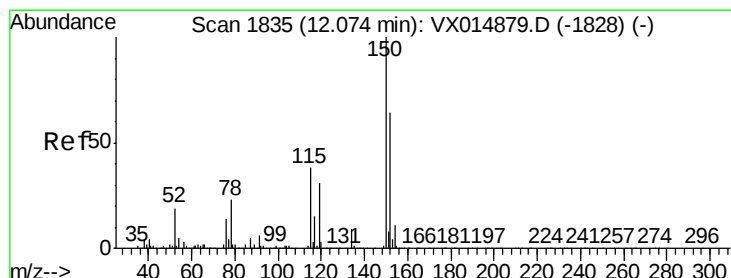
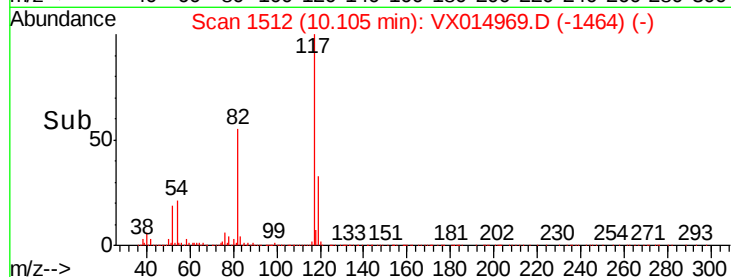
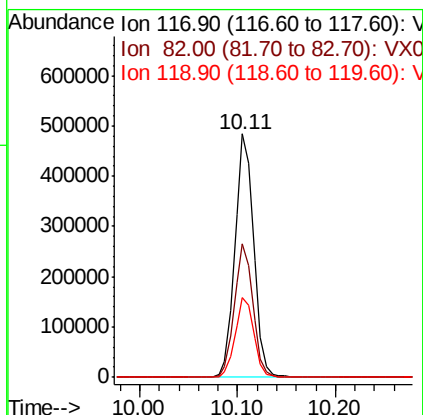
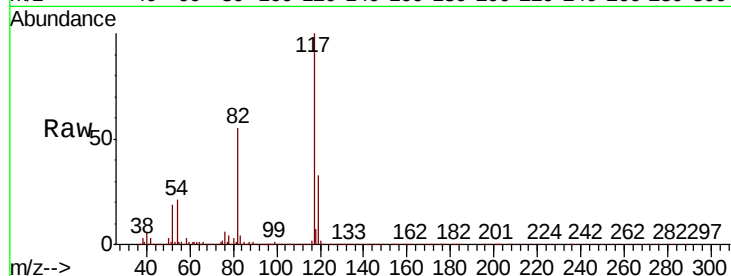




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014969.D
Acq: 20 Feb 2020 10:37

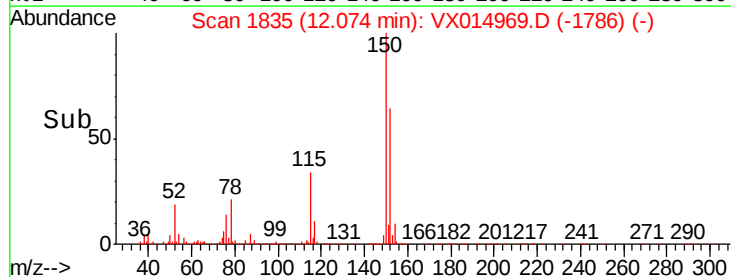
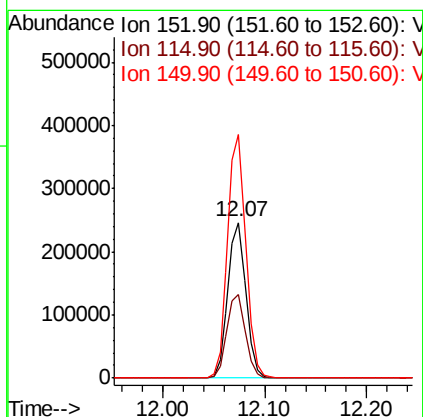
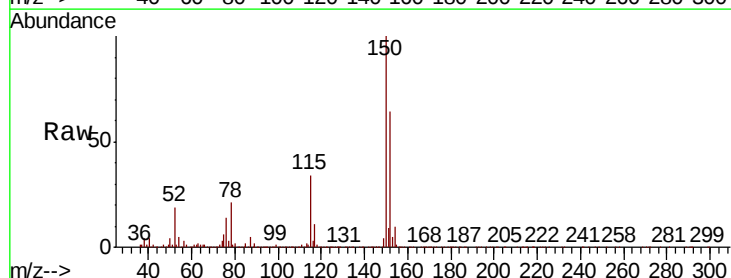
Instrument :
MSVOA_X
ClientSampleId :

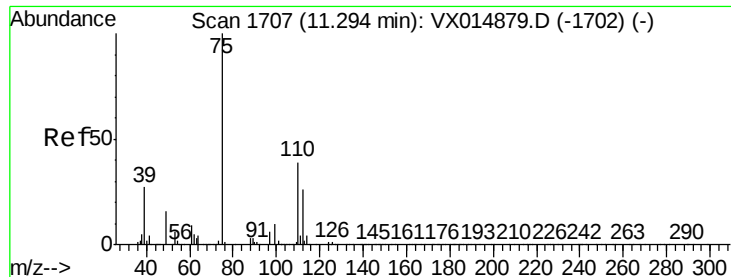
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	40.5	60.7
119	32.7	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014969.D
Acq: 20 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.6	116.0
150	157.4	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 26.110 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

Instrument :

MSVOA_X

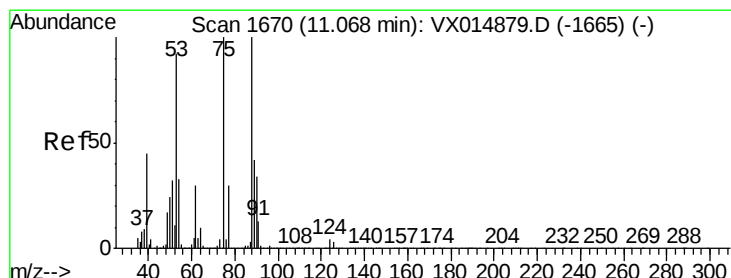
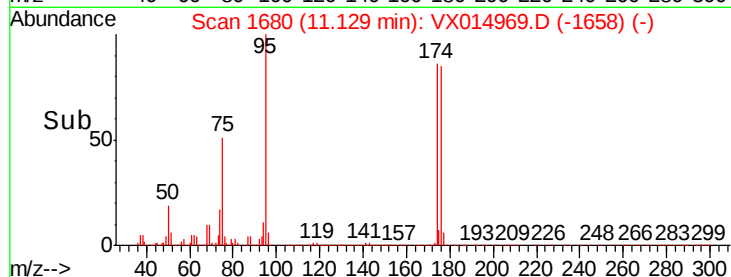
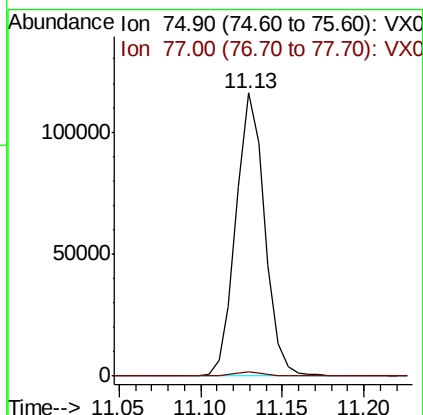
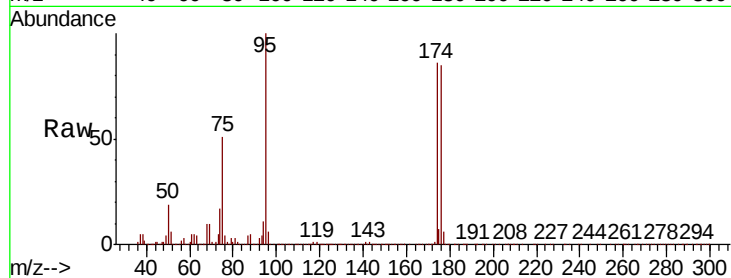
ClientSampled :

Tot Ion: 75 Resp: 142651

Ion Ratio Lower Upper

75 100

77 1.6 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.833 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014969.D

Acq: 20 Feb 2020 10:37

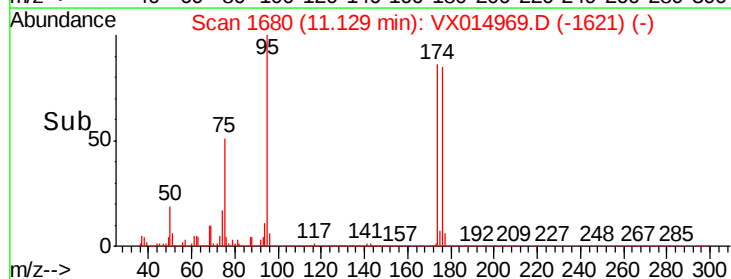
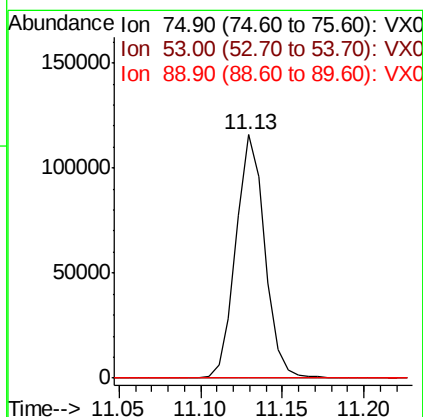
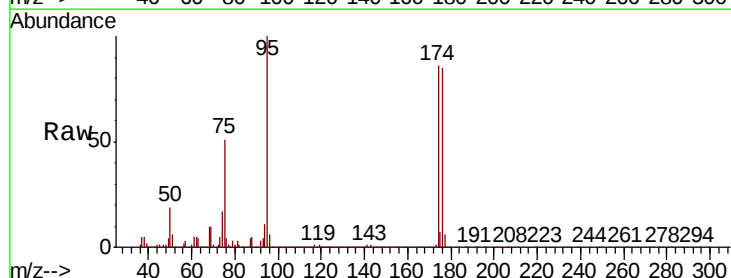
Tgt Ion: 75 Resp: 142651

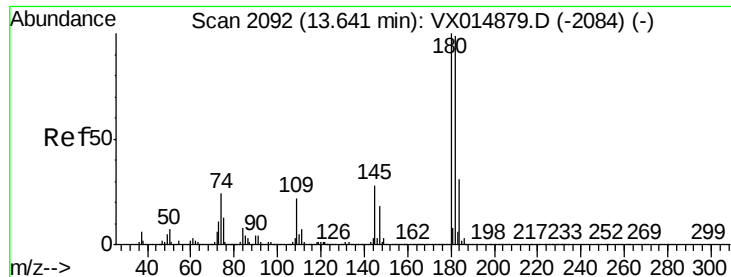
Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.2 35.8 53.6#

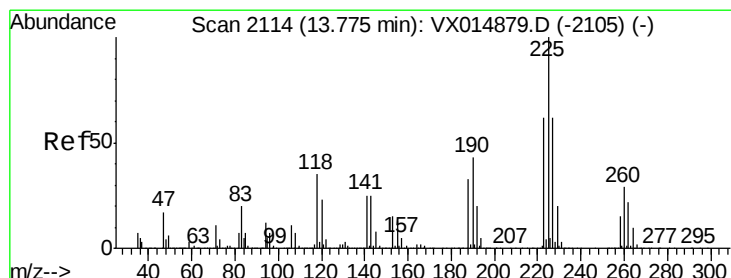
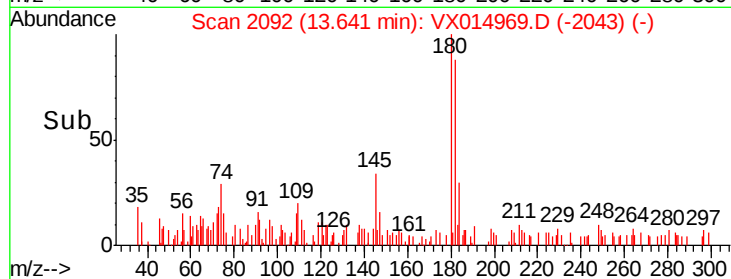
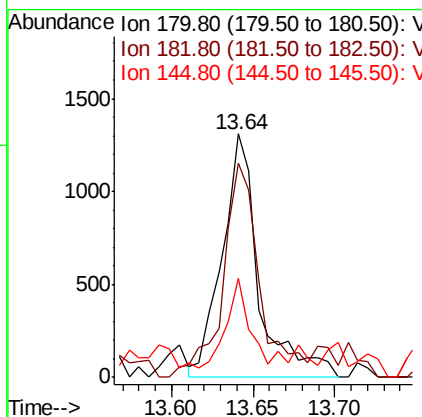
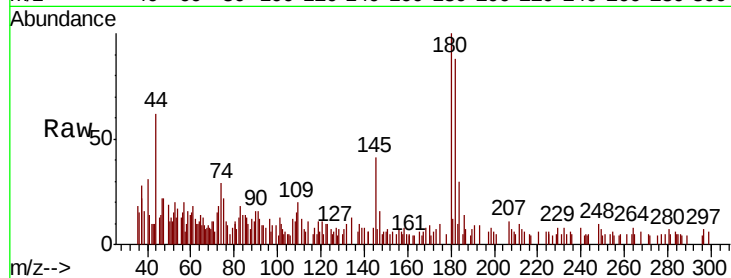




#93
 1,2,4-Trichlorobenzene
 Concen: 0.298 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014969.D
 Acq: 20 Feb 2020 10:37

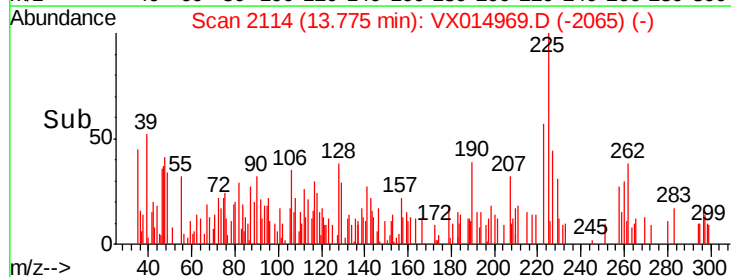
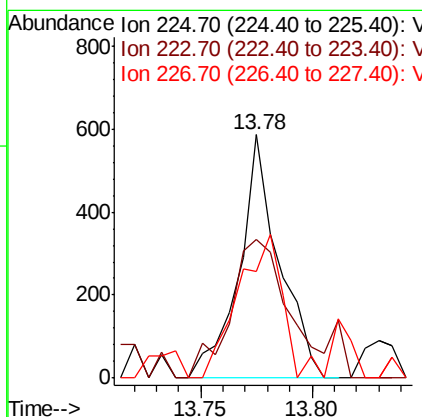
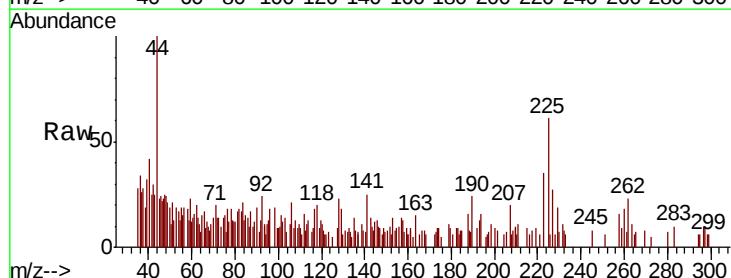
Instrument :
 MSVOA_X
 ClientSampleId :

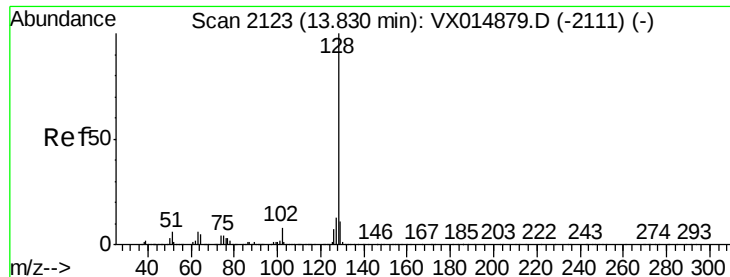
Tot Ion	Ratio	Lower	Upper
180	100		
182	88.4	48.4	145.3
145	22.2	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 0.220 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX014969.D
 Acq: 20 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	90.1	31.1	93.2
227	66.7	30.9	92.5

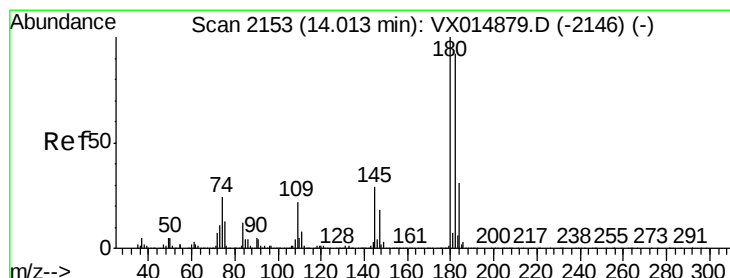
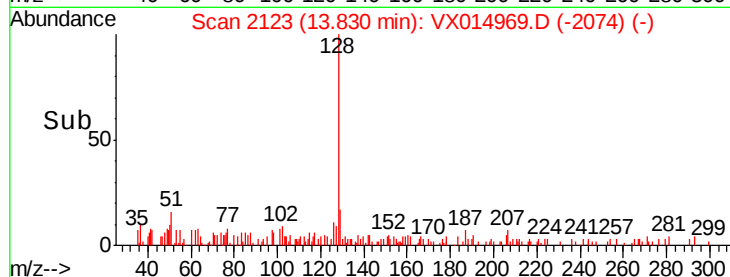
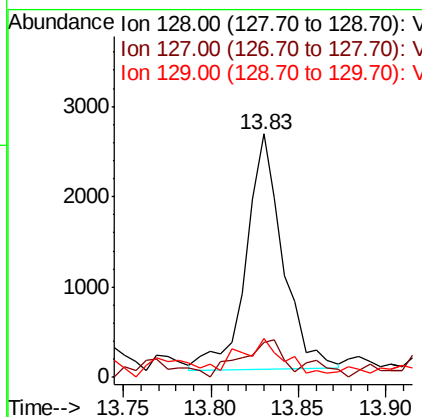
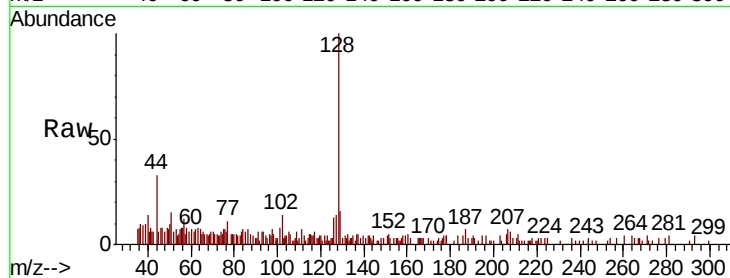




#95
Naphthalene
Concen: 0.207 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014969.D
Acq: 20 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.0	10.4	15.6#
129	22.7	8.6	13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.266 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX014969.D
Acq: 20 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.6
145	39.4	14.5	43.5

