

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022420\
 Data File : VX014999.D
 Acq On : 24 Feb 2020 10:27
 Operator : JC/SP
 Sample : VX0224WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 25 00:43:01 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	453552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	712147	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	656445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	306260	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	257495	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	5.48	113	217092	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	8.71	98	849569	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.13	95	294323	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

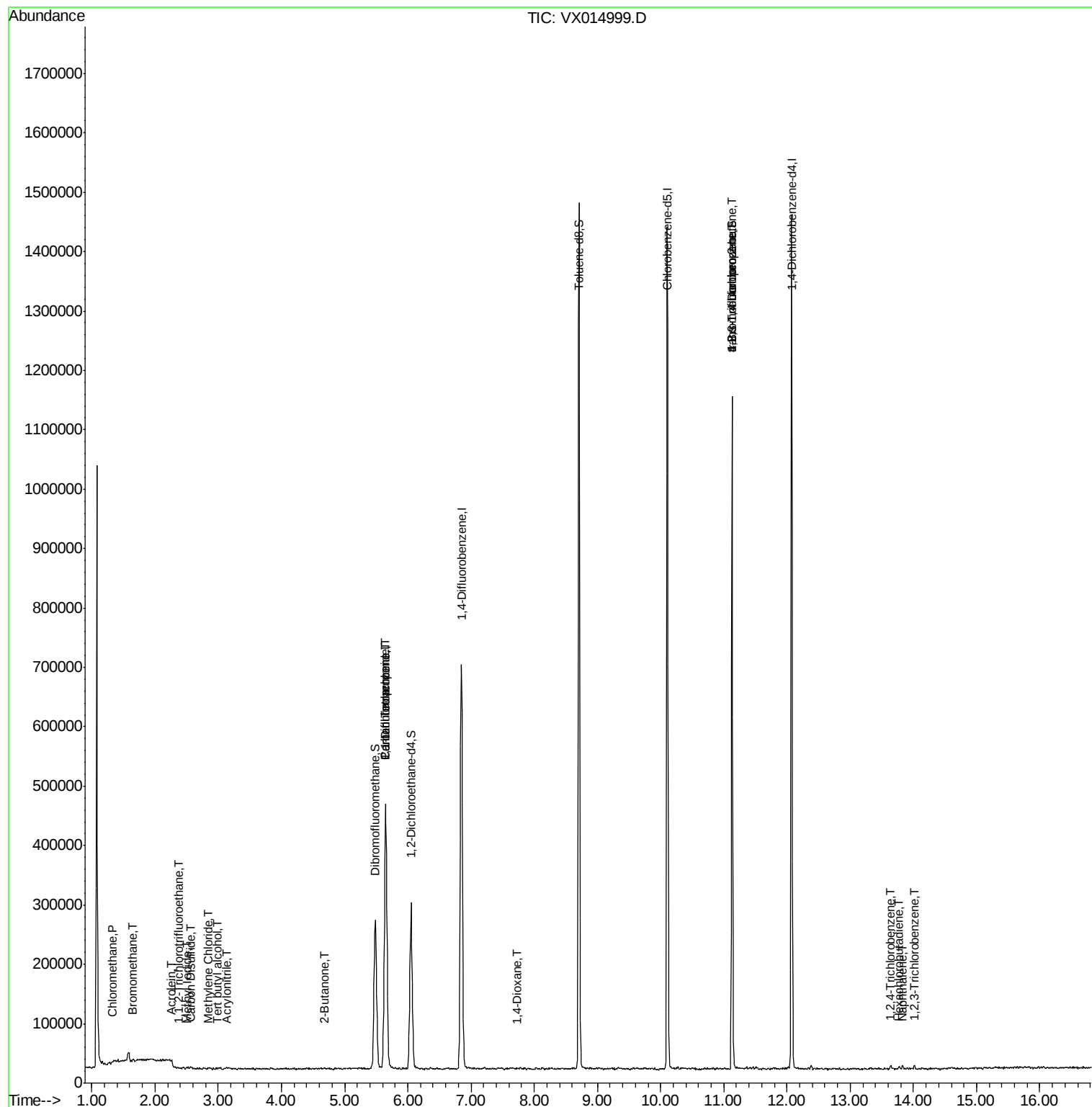
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1393	0.286	ug/l #	77
5) Bromomethane	1.66	94	1805	0.532	ug/l #	66
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1084	0.255	ug/l #	24
10) Methyl Iodide	2.51	142	2424	4.835	ug/l #	81
11) Tert butyl alcohol	2.99	59	187	0.207	ug/l #	1
13) Acrolein	2.26	56	639	0.928	ug/l #	15
15) Acrylonitrile	3.13	53	708	0.309	ug/l #	81
16) Acetone	2.44	43	1711	Below Cal	#	85
17) Carbon Disulfide	2.56	76	2531	0.218	ug/l	98
20) Methylene Chloride	2.84	84	1374	0.279	ug/l #	74
25) 2-Butanone	4.69	43	921	0.264	ug/l #	26
36) 1,1-Dichloropropene	5.64	75	29202	4.584	ug/l #	47
38) Carbon Tetrachloride	5.64	117	39937	6.433	ug/l #	16
49) 1,4-Dioxane	7.73	88	176	1.745	ug/l #	32
76) 1,2,3-Trichloropropane	11.13	75	143104	25.840	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	143104	66.141	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	1763	0.253	ug/l	92
94) Hexachlorobutadiene	13.78	225	691	0.205	ug/l	89
95) Naphthalene	13.83	128	4287	0.232	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.01	180	1432	0.213	ug/l #	53

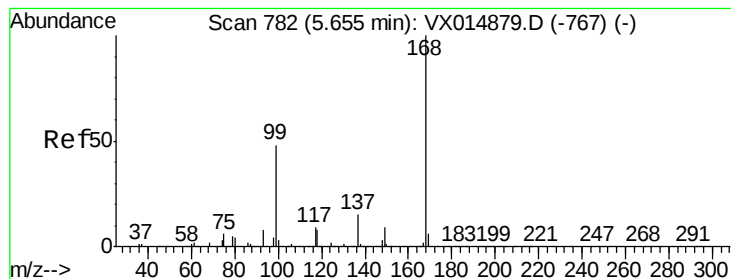
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022420\
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Acq On : 24 Feb 2020 10:27
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ClientSampleId :

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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: VX014999.D

Acq: 24 Feb 2020 10:27

Instrument :

MSVOA_X

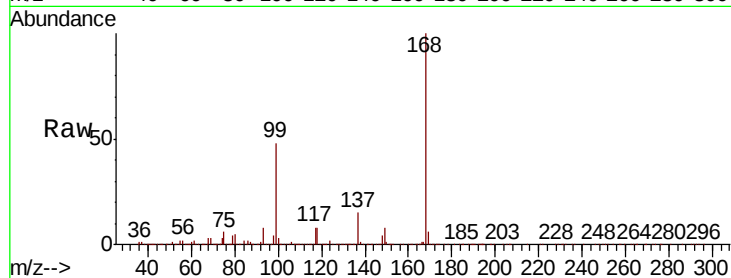
ClientSampleId :

Tot Ion:168 Resp: 453552

Ion Ratio Lower Upper

168 100

99 47.5 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

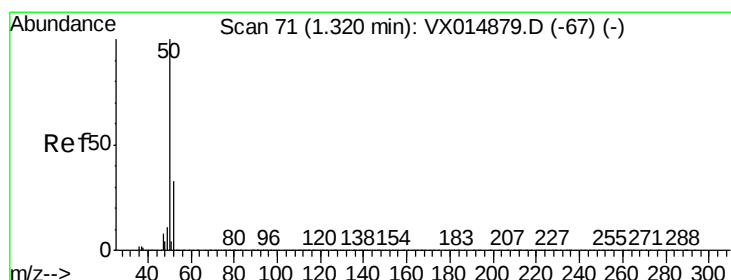
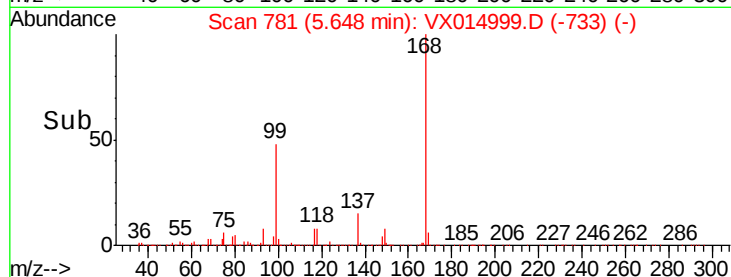
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.286 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014999.D

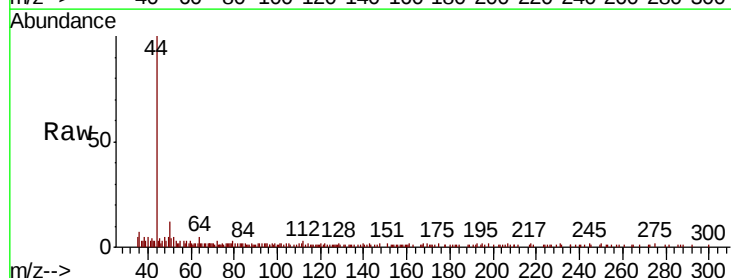
Acq: 24 Feb 2020 10:27

Tgt Ion: 50 Resp: 1393

Ion Ratio Lower Upper

50 100

52 19.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

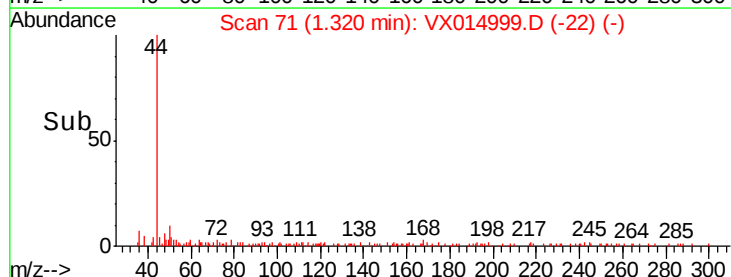
600

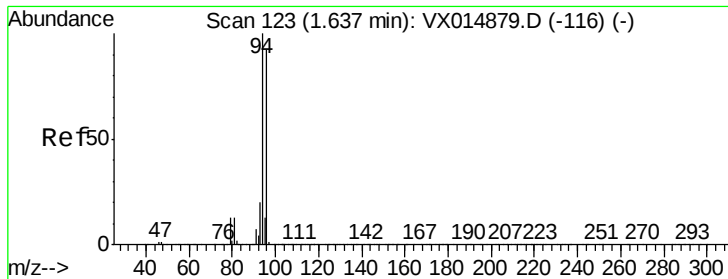
400

200

0

Time-->





#5

Bromomethane

Concen: 0.532 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

Instrument :

MSVOA_X

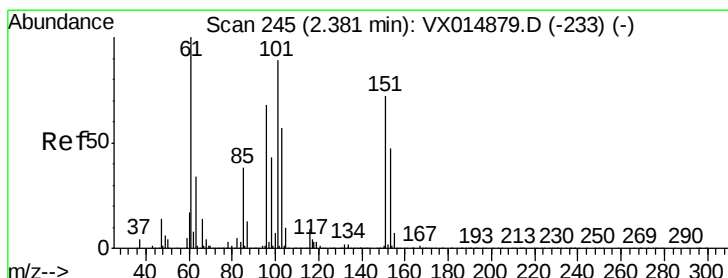
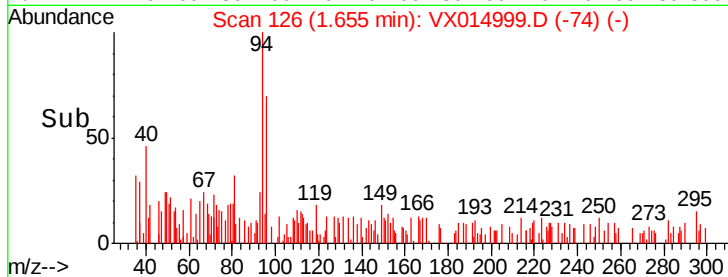
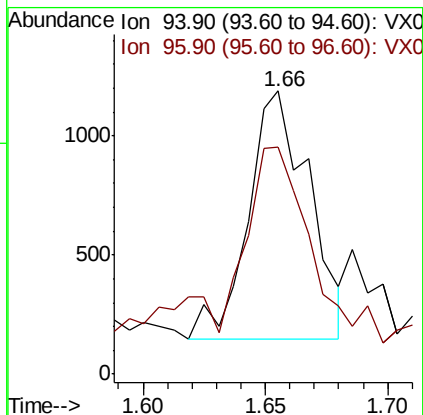
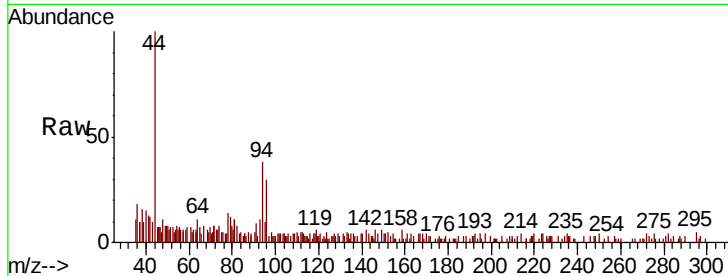
ClientSampleId :

Tot Ion: 94 Resp: 1805

Ion Ratio Lower Upper

94 100

96 60.1 73.7 110.5#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.255 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

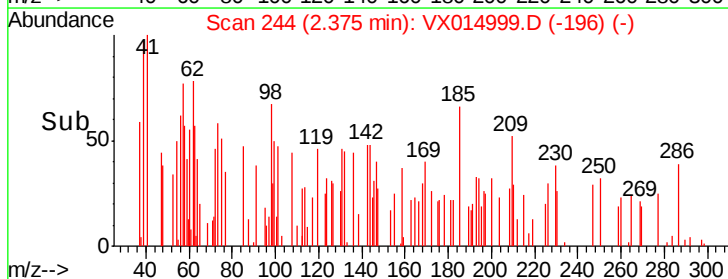
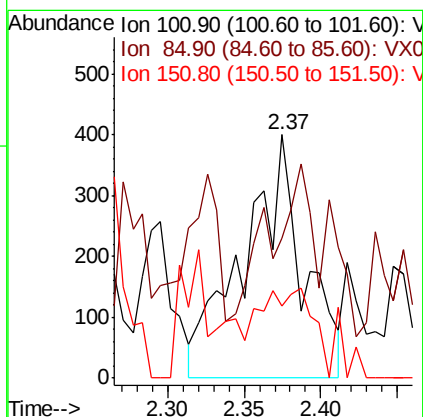
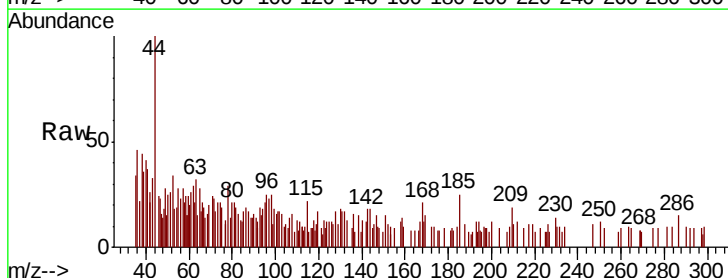
Tgt Ion:101 Resp: 1084

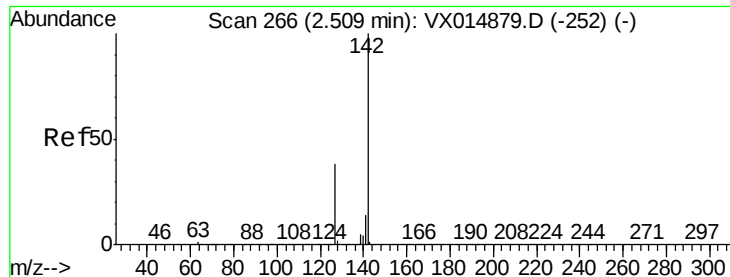
Ion Ratio Lower Upper

101 100

85 14.5 34.1 51.1#

151 0.0 67.3 100.9#

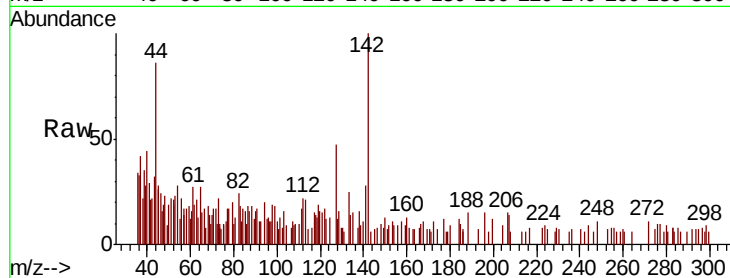




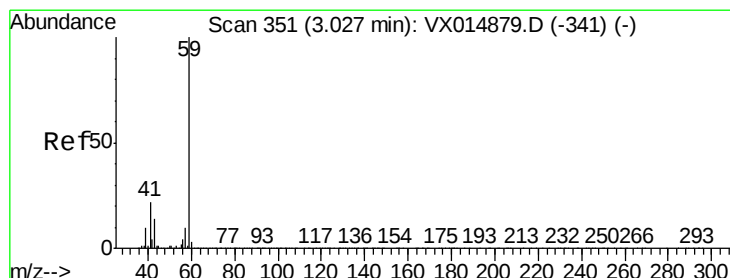
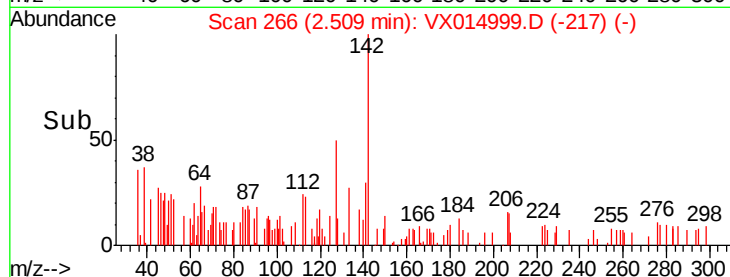
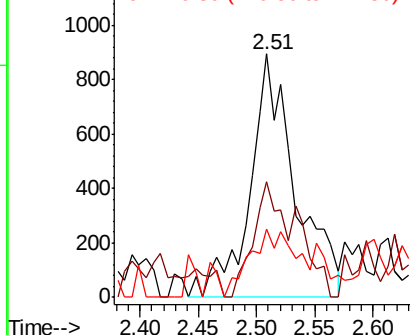
#10
Methyl Iodide
Concen: 4.835 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX014999.D
Acq: 24 Feb 2020 10:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 2424
Ion Ratio Lower Upper
142 100
127 30.5 31.1 46.7#
141 28.3 11.3 16.9#

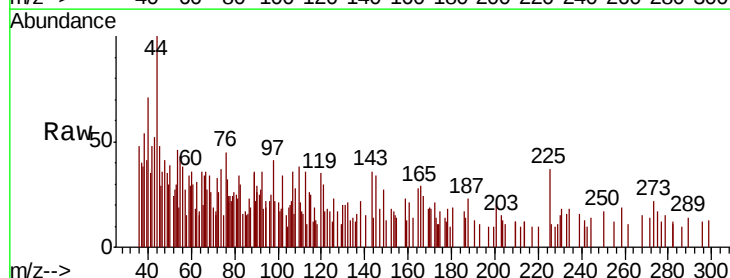


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

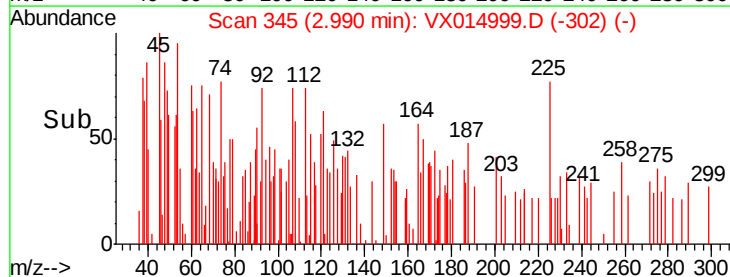
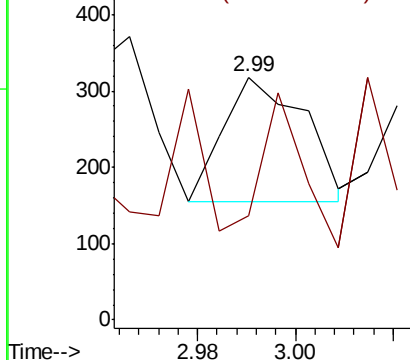


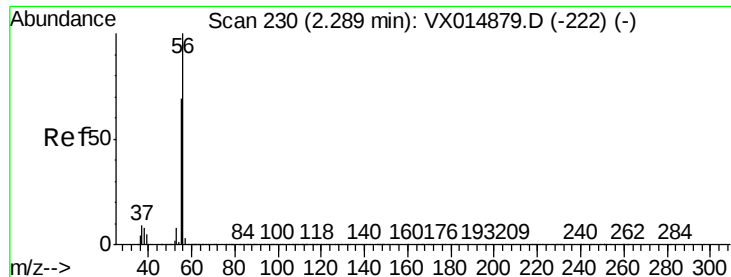
#11
Tert butyl alcohol
Concen: 0.207 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.04 min
Lab File: VX014999.D
Acq: 24 Feb 2020 10:27

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 55.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.928 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.03 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

Instrument :

MSVOA_X

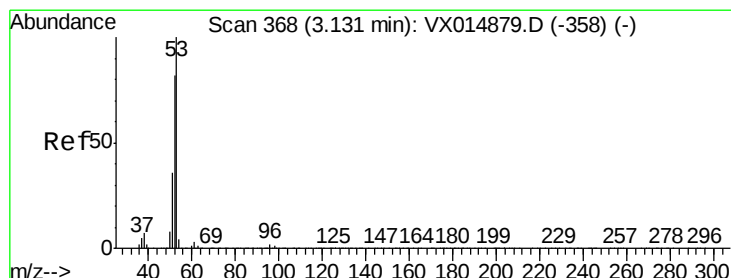
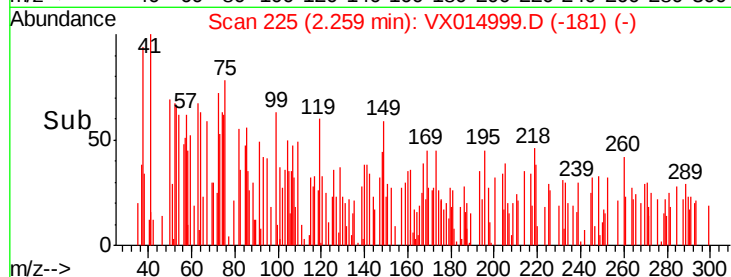
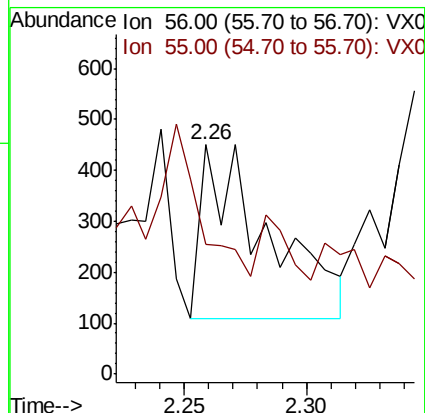
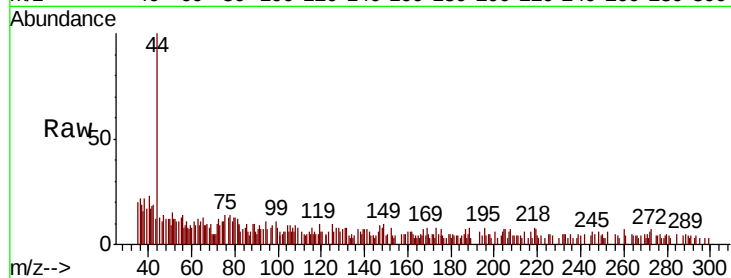
ClientSampled :

Tot Ion: 56 Resp: 639

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.4#



#15

Acrylonitrile

Concen: 0.309 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

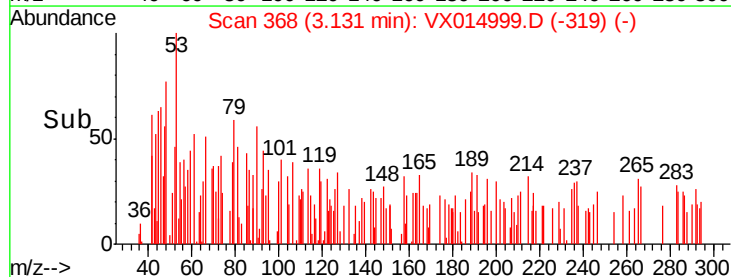
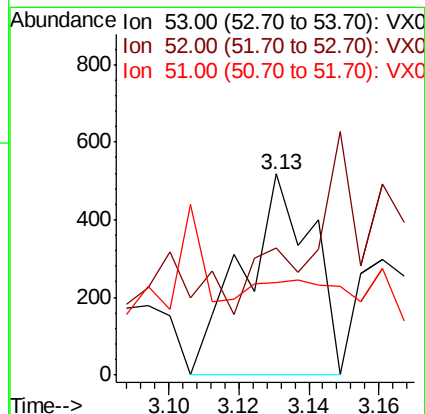
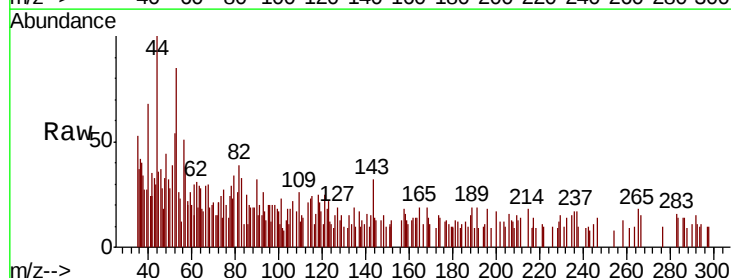
Tgt Ion: 53 Resp: 708

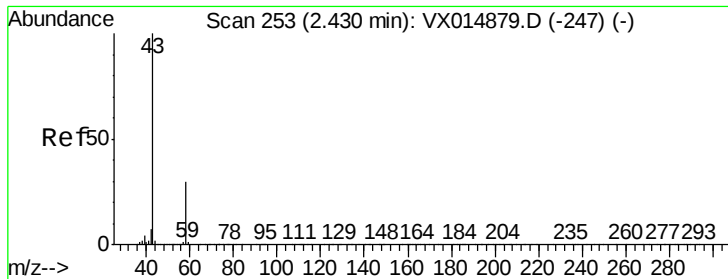
Ion Ratio Lower Upper

53 100

52 102.3 65.8 98.6#

51 30.4 29.1 43.7





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

Instrument :

MSVOA_X

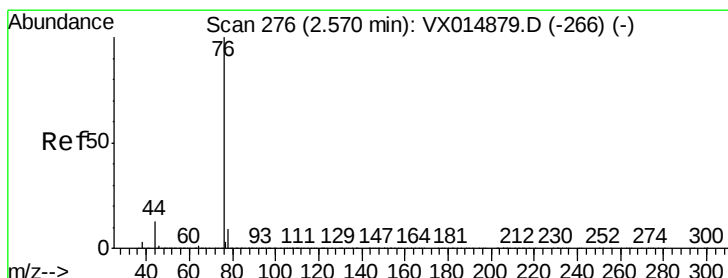
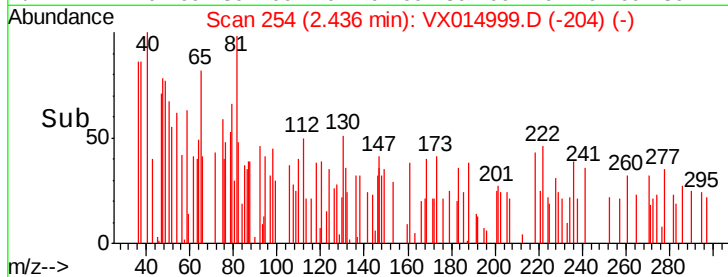
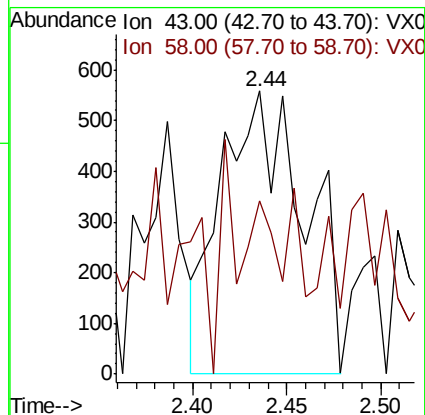
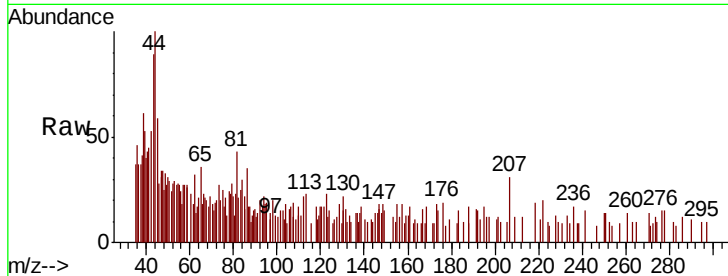
ClientSampled :

Tot Ion: 43 Resp: 1711

Ion Ratio Lower Upper

43 100

58 38.2 24.1 36.1#



#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX014999.D

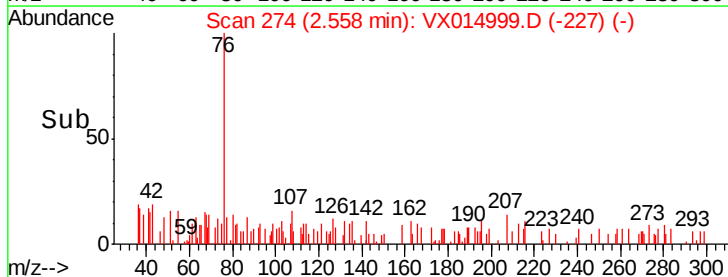
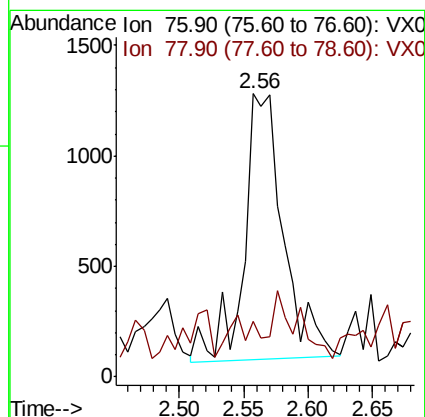
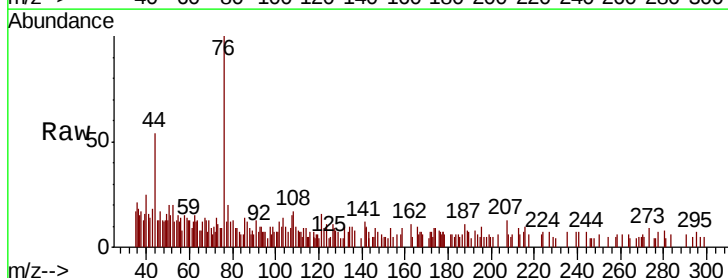
Acq: 24 Feb 2020 10:27

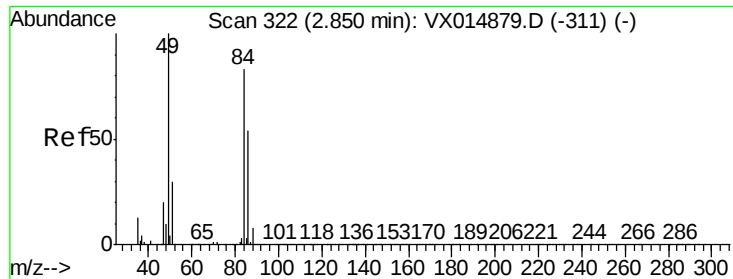
Tgt Ion: 76 Resp: 2531

Ion Ratio Lower Upper

76 100

78 8.3 7.4 11.0

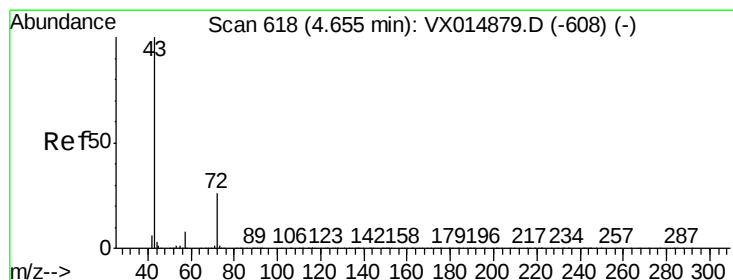
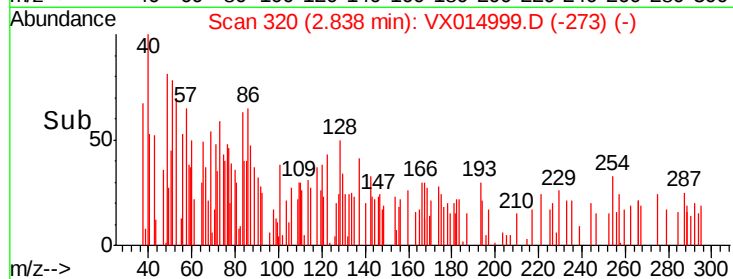
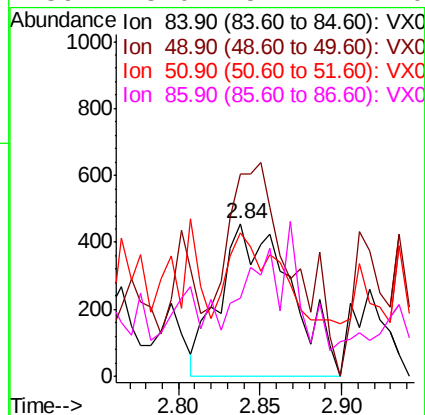
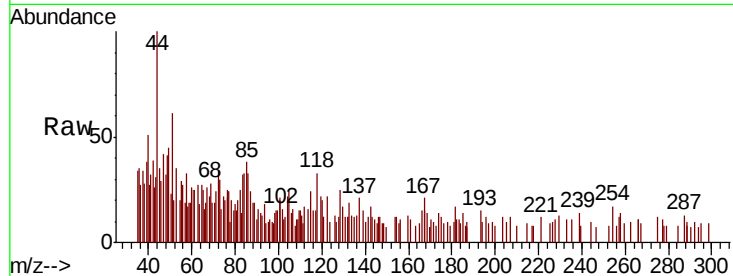




#20
Methvlene Chloride
Concen: 0.279 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX014999.D
Acq: 24 Feb 2020 10:27

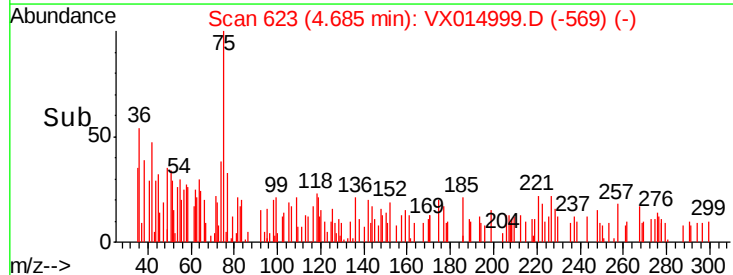
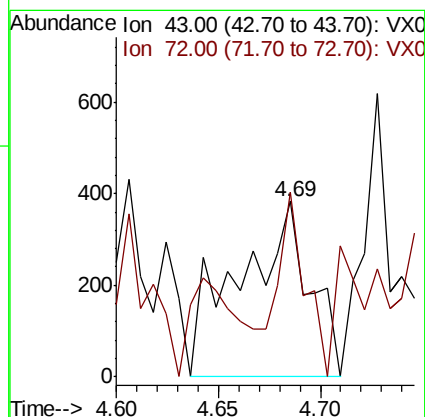
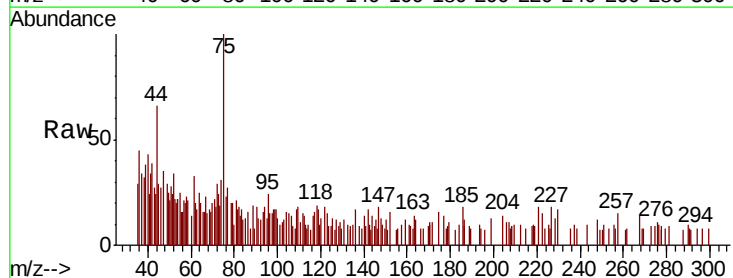
Instrument :
MSVOA_X
ClientSampled :

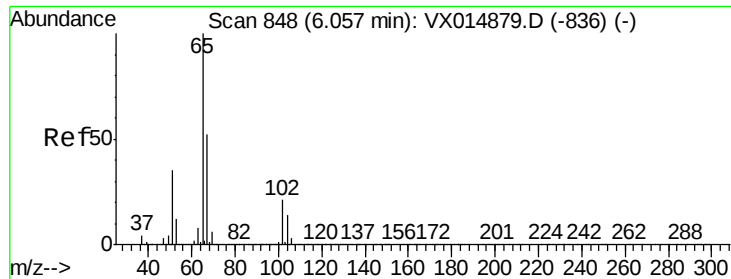
Tot Ion: 84 Resp: 1374
Ion Ratio Lower Upper
84 100
49 132.2 95.6 143.4
51 59.7 29.0 43.6#
86 28.0 51.4 77.0#



#25
2-Butanone
Concen: 0.264 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.03 min
Lab File: VX014999.D
Acq: 24 Feb 2020 10:27

Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
72 64.0 21.0 31.6#





#33

1,2-Dichloroethane-d4

Concen: 50.305 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

Instrument :

MSVOA_X

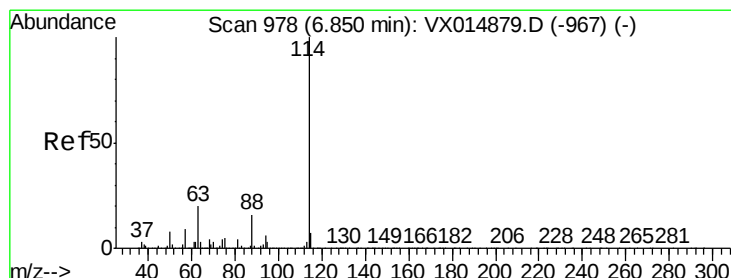
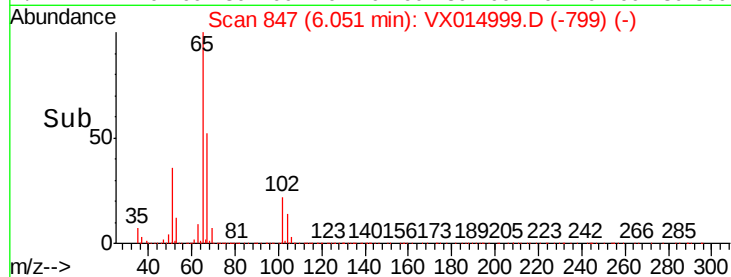
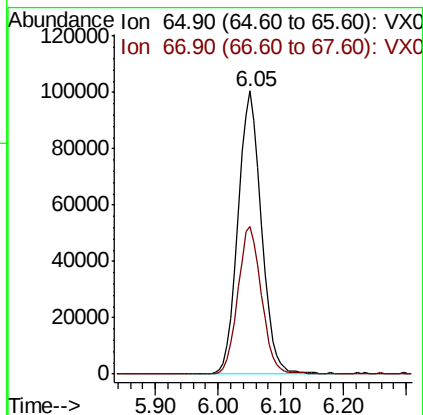
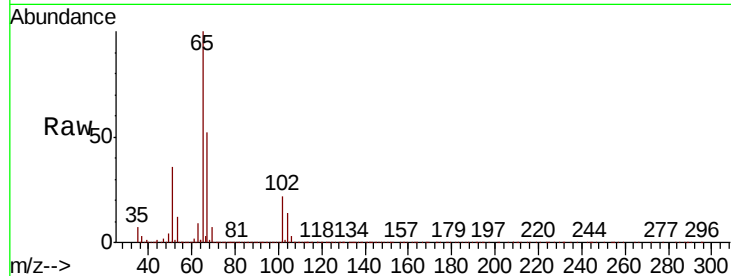
ClientSampleId :

Tot Ion: 65 Resp: 257495

Ion Ratio Lower Upper

65 100

67 52.7 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: VX014999.D

Acq: 24 Feb 2020 10:27

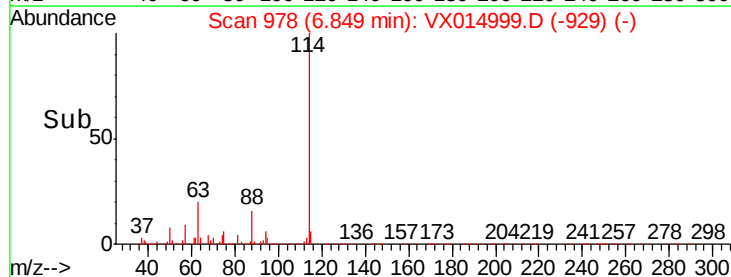
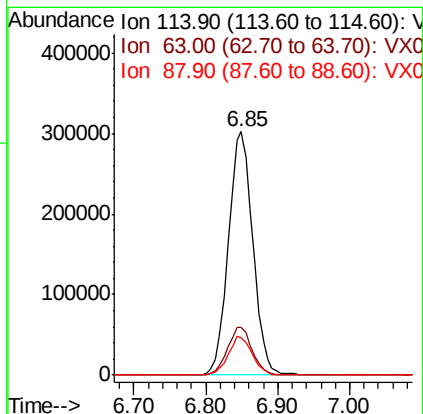
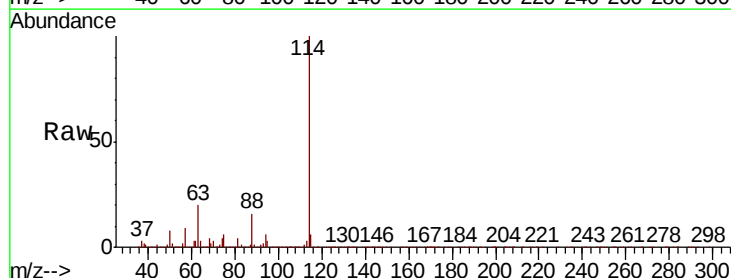
Tgt Ion: 114 Resp: 712147

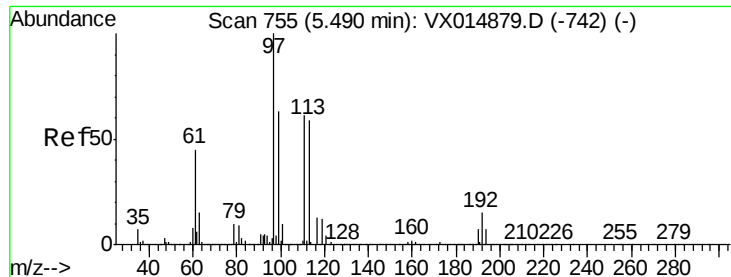
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.586 ug/l

RT: 5.48 min Scan# 754

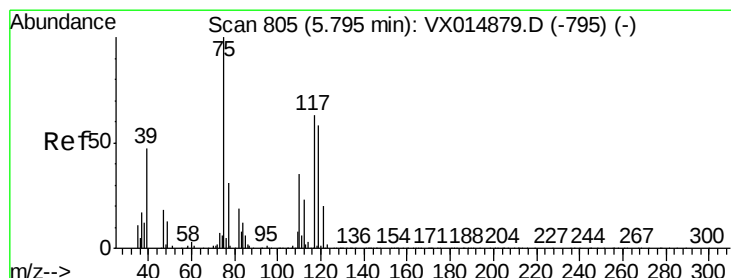
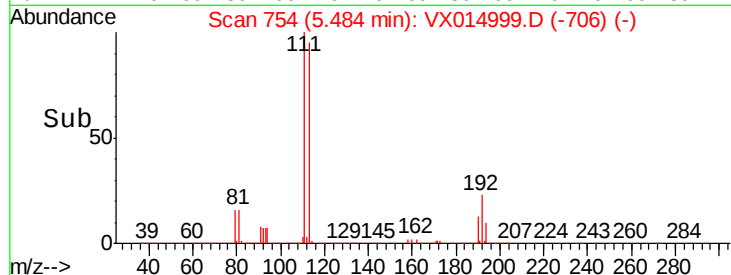
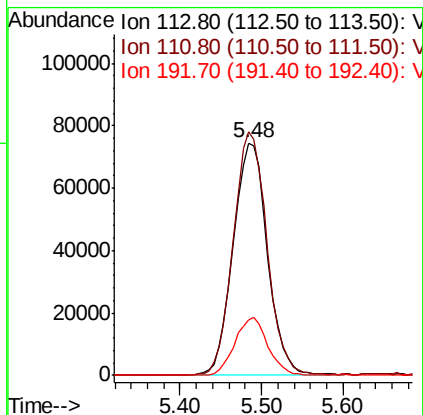
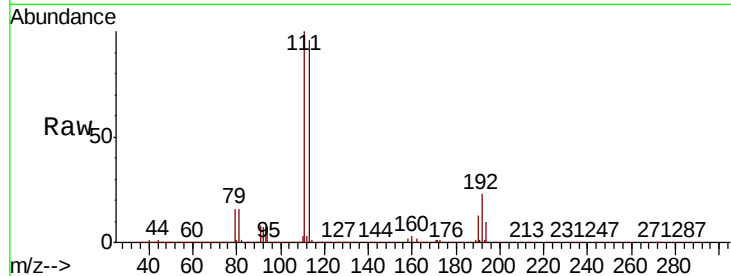
Delta R.T. -0.01 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	113	Resp:	217092
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	24.0	19.1	28.7



#36

1,1-Dichloropropene

Concen: 4.584 ug/l

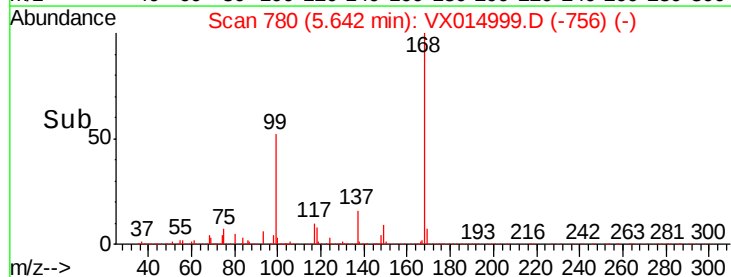
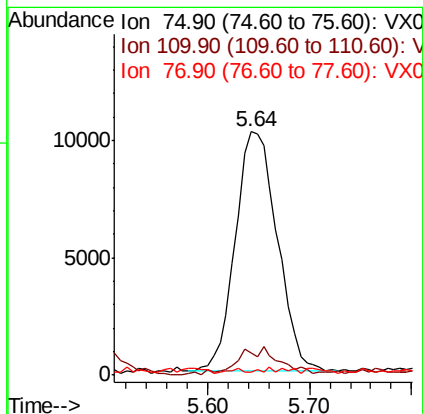
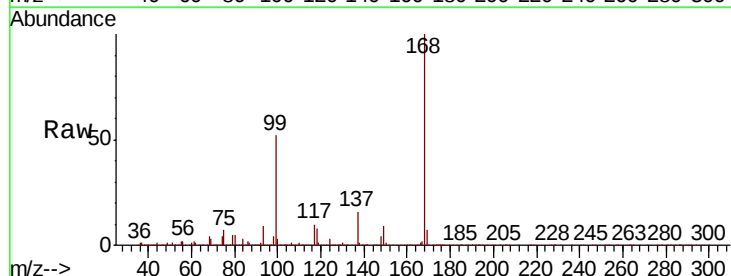
RT: 5.64 min Scan# 780

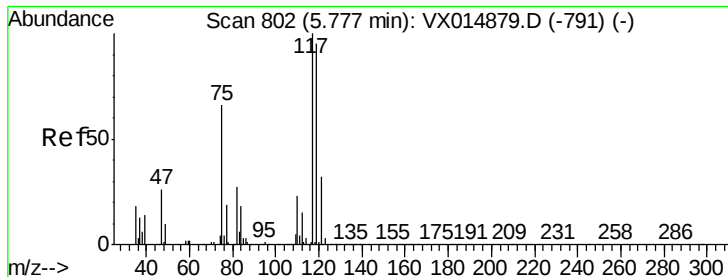
Delta R.T. -0.15 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

Tgt Ion:	75	Resp:	29202
Ion	Ratio	Lower	Upper
75	100		
110	6.0	18.3	54.8#
77	0.4	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.433 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX014999.D

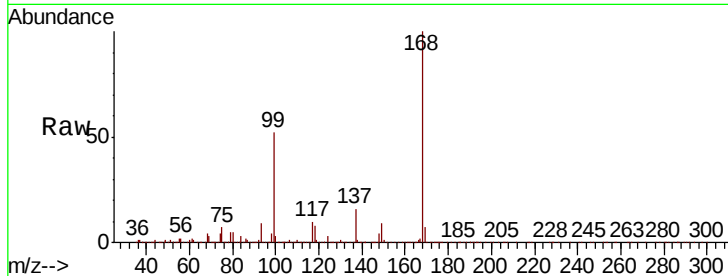
Acq: 24 Feb 2020 10:27

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.0	114.0#
121	0.1	25.4	38.2#

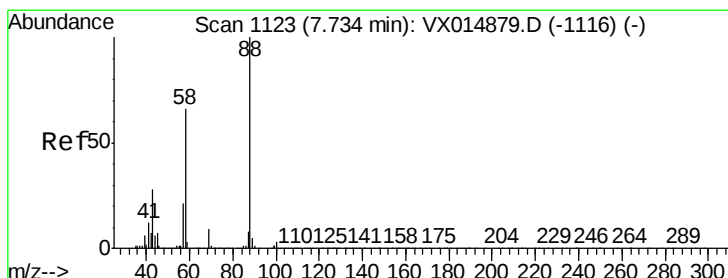
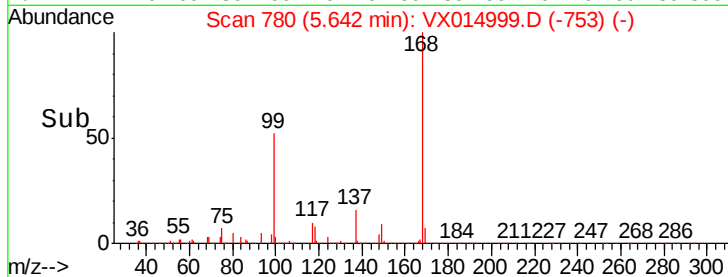
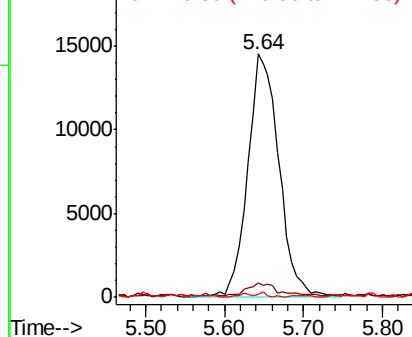


Abundance

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: 1.745 ug/l

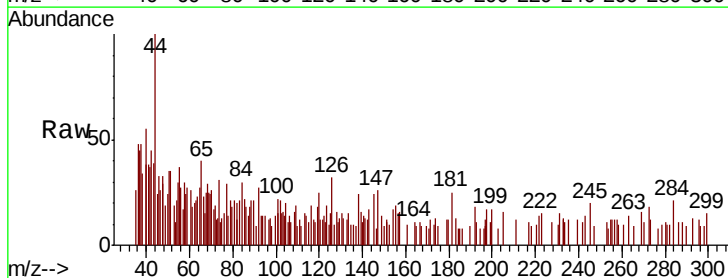
RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.0	40.4#
58	124.4	53.2	79.8#

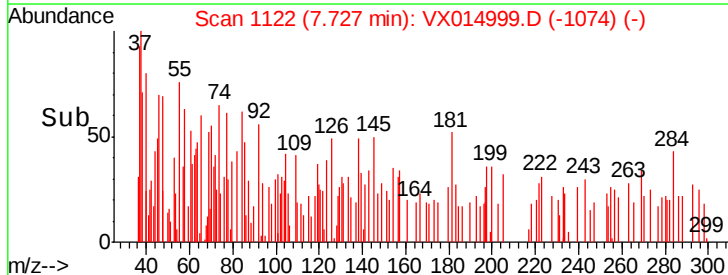
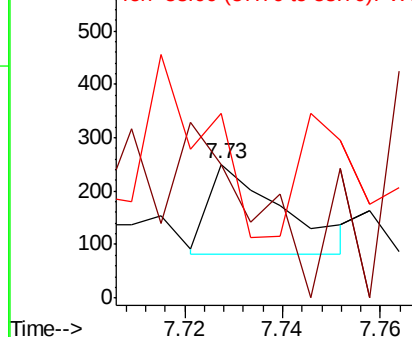


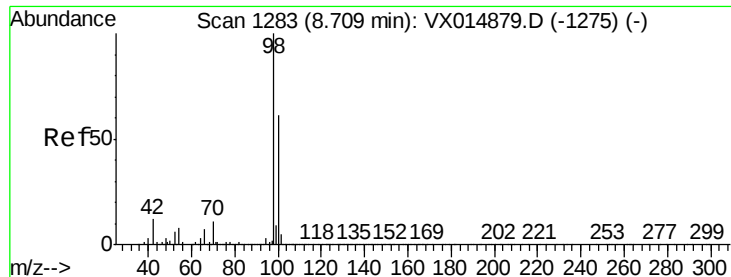
Abundance

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

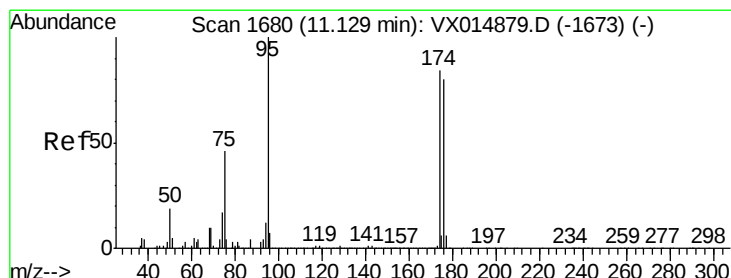
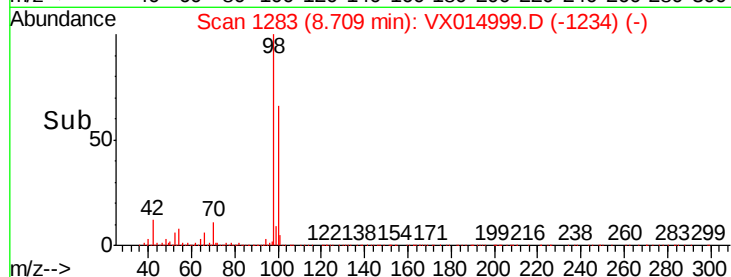
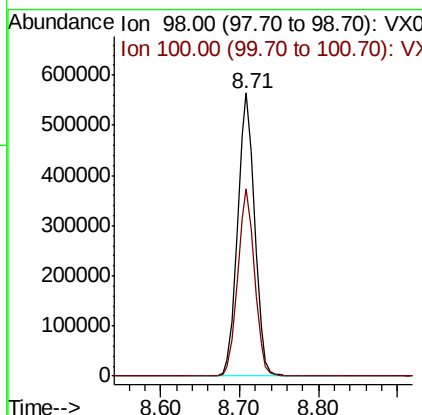
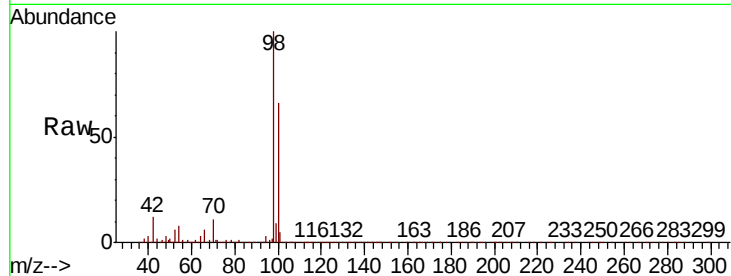




#50
Toluene-d8
Concen: 50.837 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014999.D
Acq: 24 Feb 2020 10:27

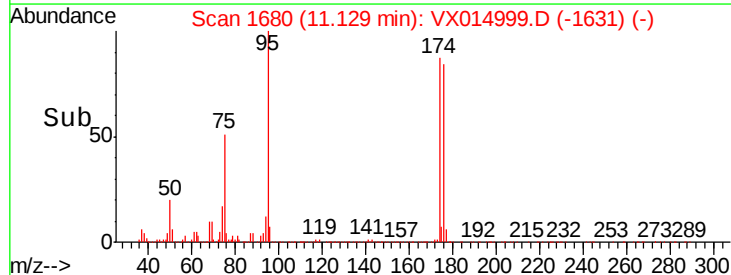
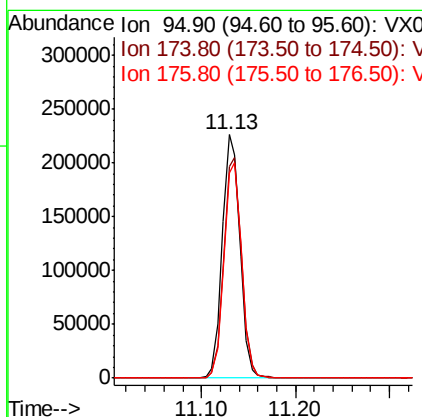
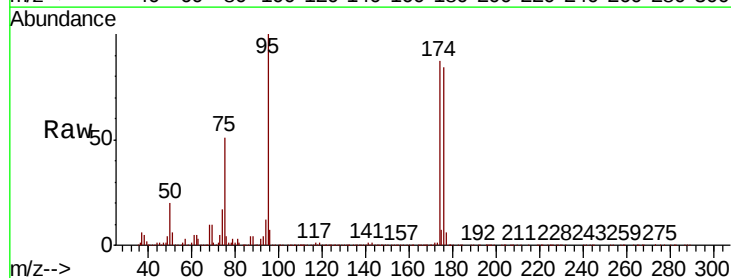
Instrument :
MSVOA_X
ClientSampleId :

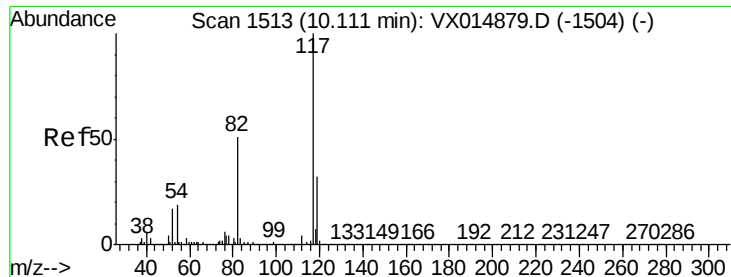
Tot Ion: 98 Resp: 849569
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.890 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014999.D
Acq: 24 Feb 2020 10:27

Tgt Ion: 95 Resp: 294323
Ion Ratio Lower Upper
95 100
174 90.7 0.0 183.0
176 88.3 0.0 178.0

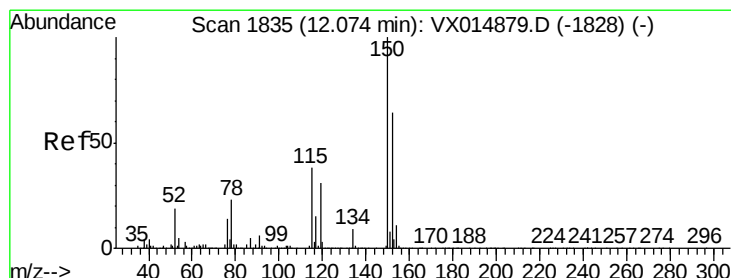
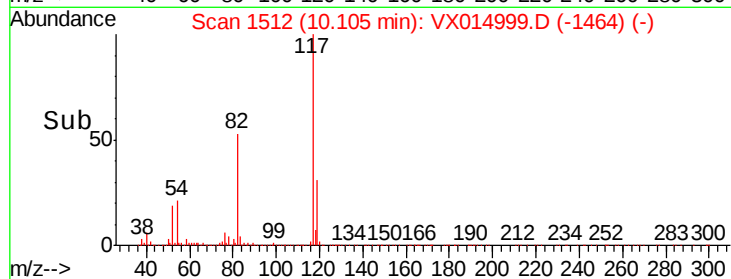
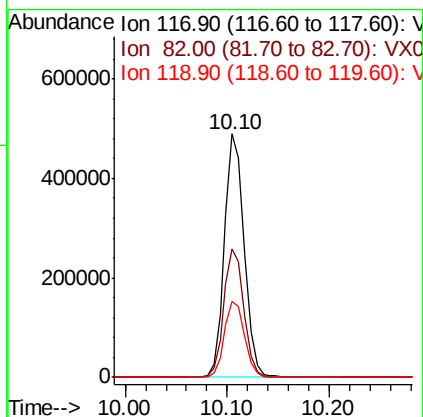
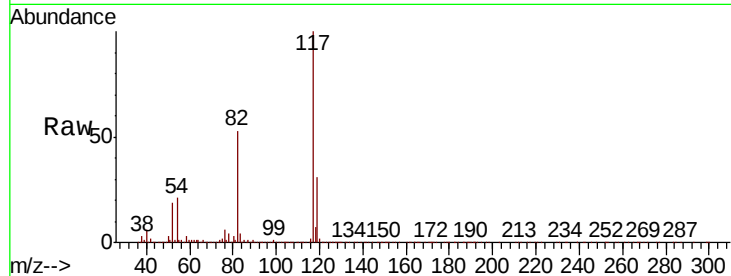




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014999.D
Acq: 24 Feb 2020 10:27

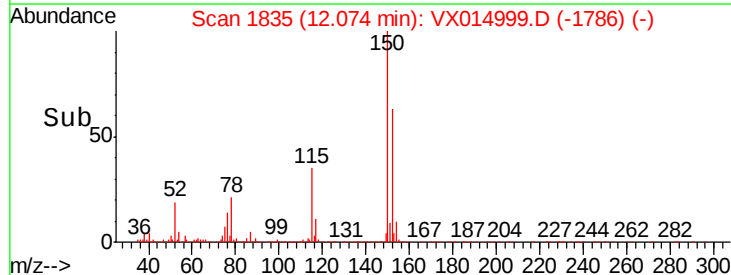
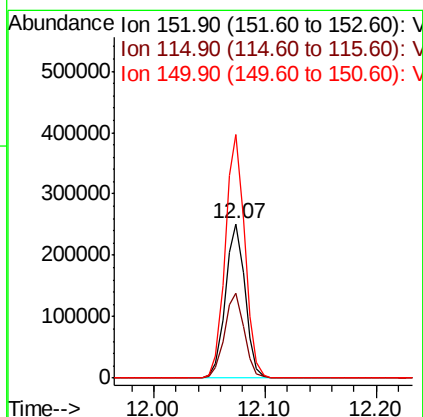
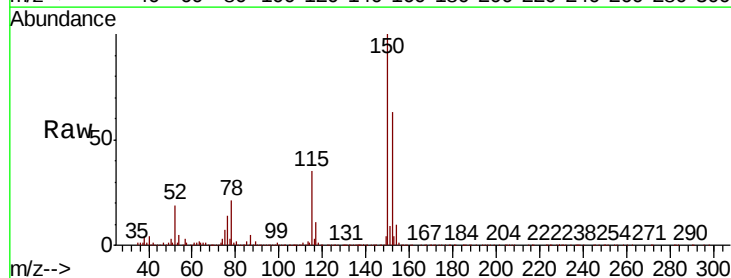
Instrument :
MSVOA_X
ClientSampleId :

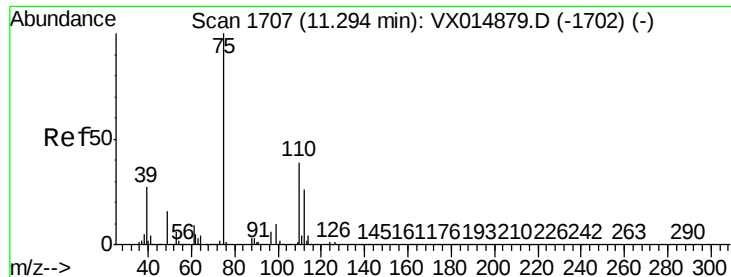
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	40.5	60.7
119	31.1	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014999.D
Acq: 24 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	38.6	116.0
150	156.9	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 25.840 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

Instrument :

MSVOA_X

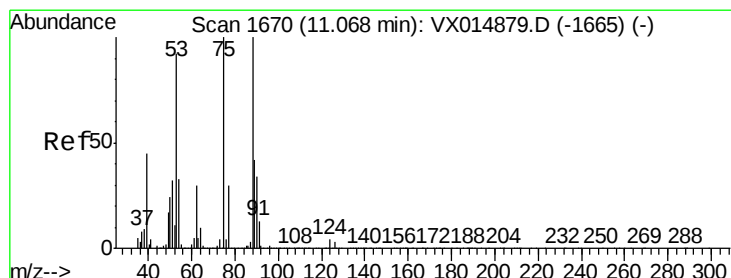
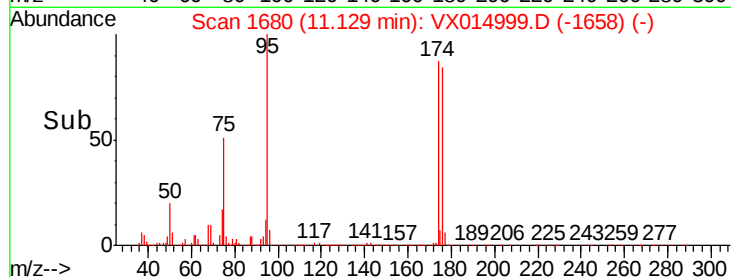
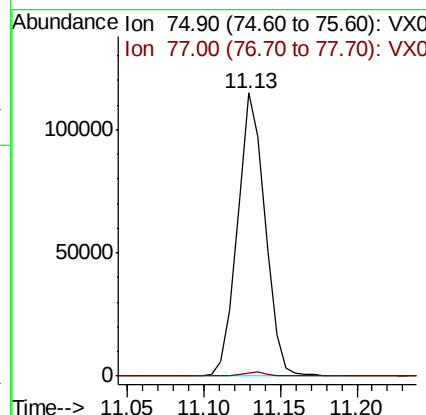
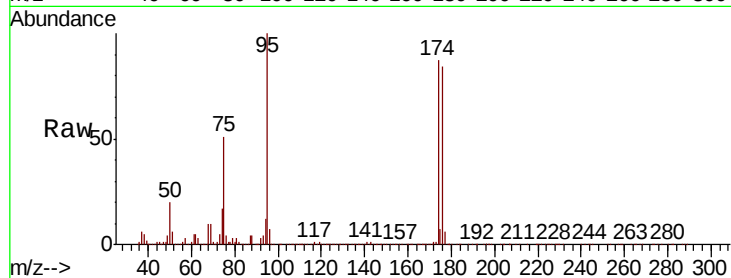
ClientSampleId :

Tot Ion: 75 Resp: 143104

Ion Ratio Lower Upper

75 100

77 1.4 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.141 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

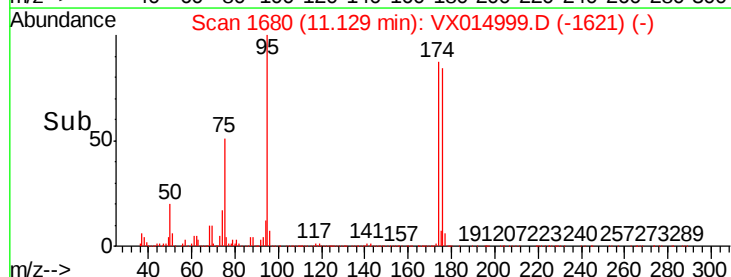
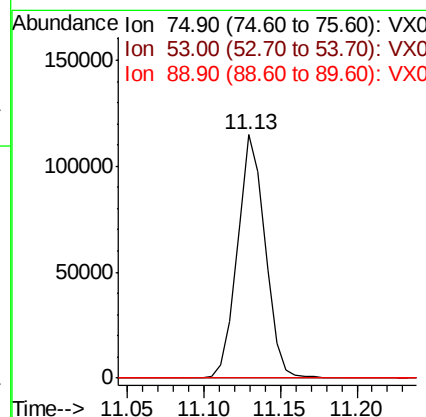
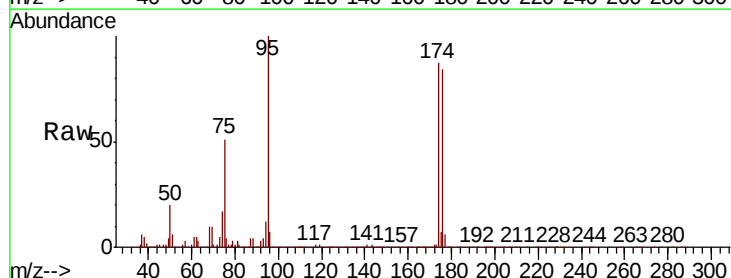
Tgt Ion: 75 Resp: 143104

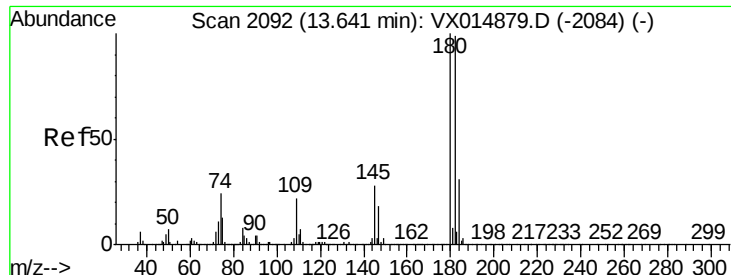
Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

89 0.1 35.8 53.6#

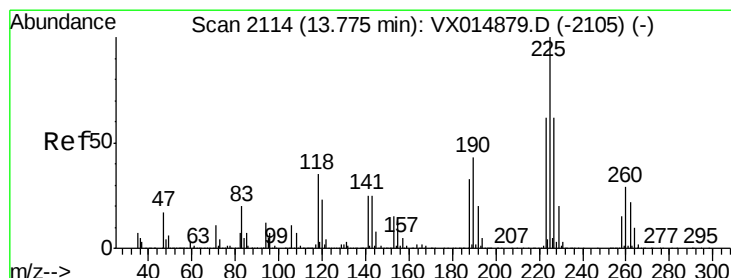
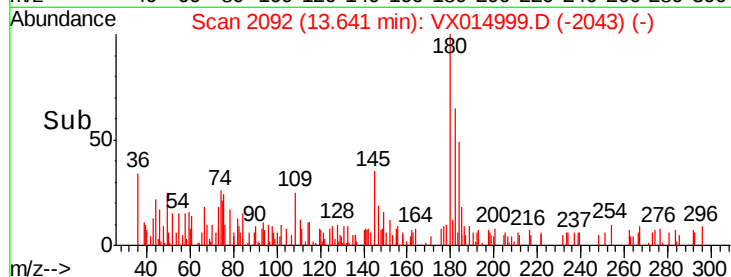
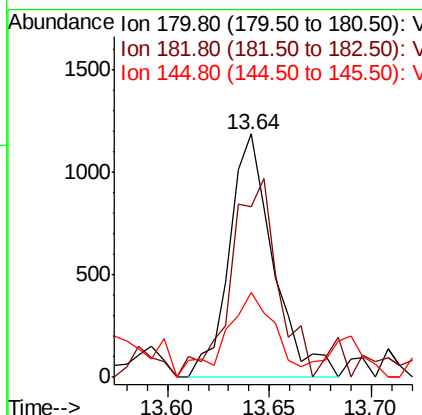
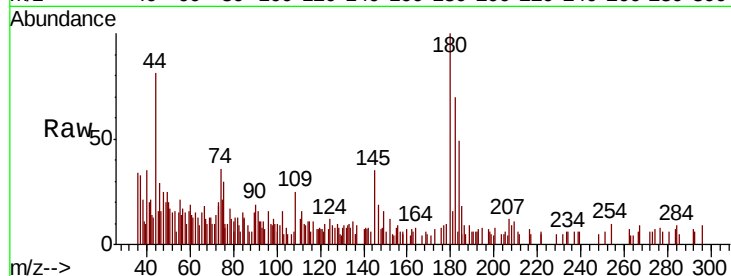




#93
 1,2,4-Trichlorobenzene
 Concen: 0.253 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014999.D
 Acq: 24 Feb 2020 10:27

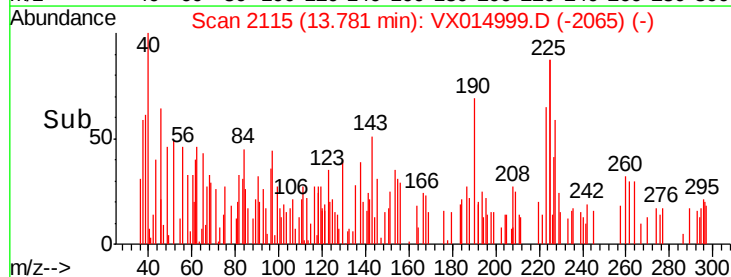
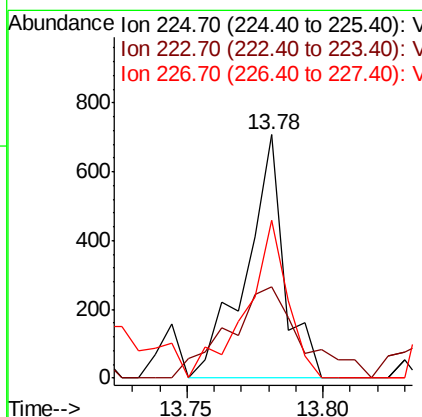
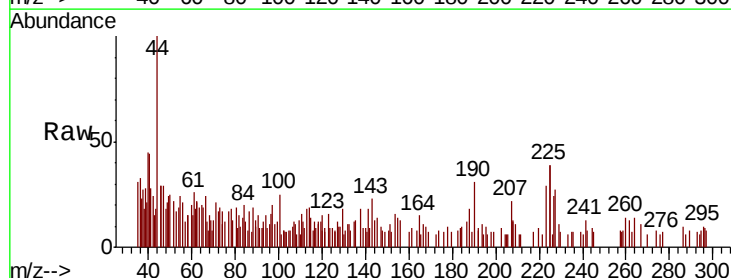
Instrument :
 MSVOA_X
 ClientSampleId :

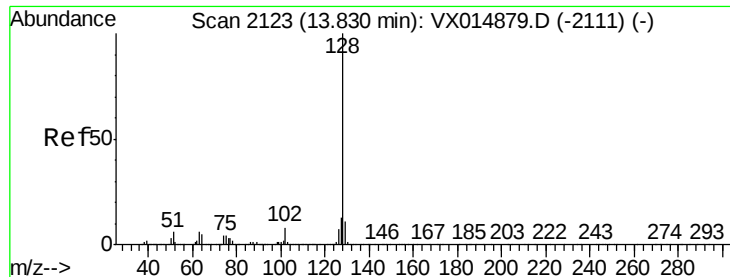
Tot Ion:180 Resp: 1763
 Ion Ratio Lower Upper
 180 100
 182 87.0 48.4 145.3
 145 28.1 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 0.205 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX014999.D
 Acq: 24 Feb 2020 10:27

Tgt Ion:225 Resp: 691
 Ion Ratio Lower Upper
 225 100
 223 71.8 31.1 93.2
 227 68.9 30.9 92.5





#95

Naphthalene

Concen: 0.232 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

Instrument :

MSVOA_X

ClientSampleId :

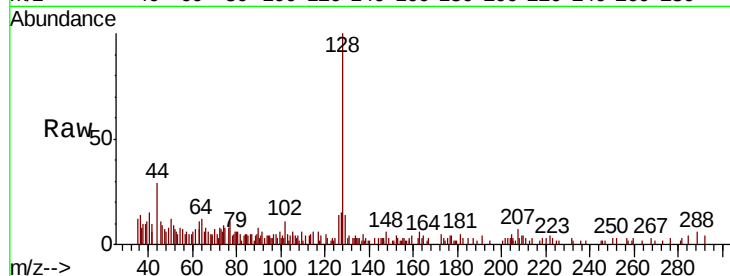
Tot Ion:128 Resp: 4287

Ion Ratio Lower Upper

128 100

127 18.0 10.4 15.6#

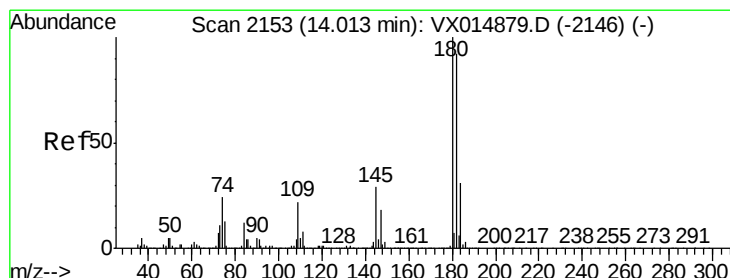
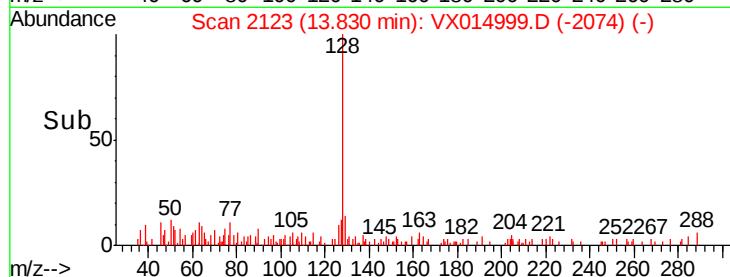
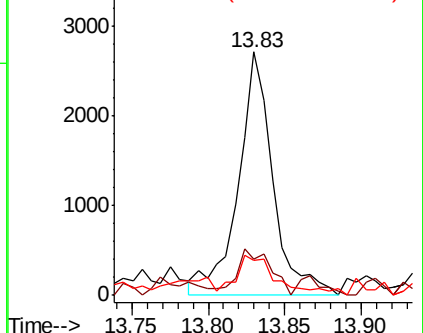
129 16.5 8.6 13.0#



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: 0.213 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX014999.D

Acq: 24 Feb 2020 10:27

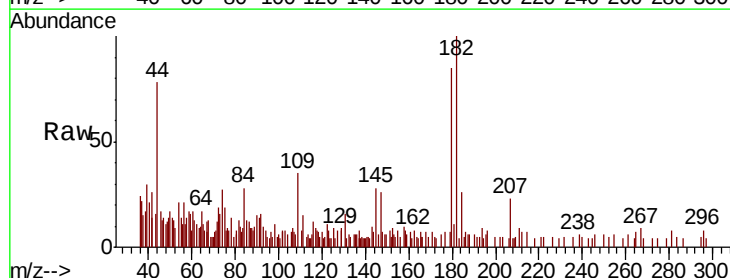
Tgt Ion:180 Resp: 1432

Ion Ratio Lower Upper

180 100

182 134.6 47.5 142.6

145 65.2 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

