

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021920\
 Data File : VX014962.D
 Acq On : 19 Feb 2020 12:45
 Operator : JC/SP
 Sample : L1577-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 20 00:23:01 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	445682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	691904	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	655744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	336894	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	253645	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	5.49	113	209706	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	8.71	98	834114	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.13	95	304106	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	

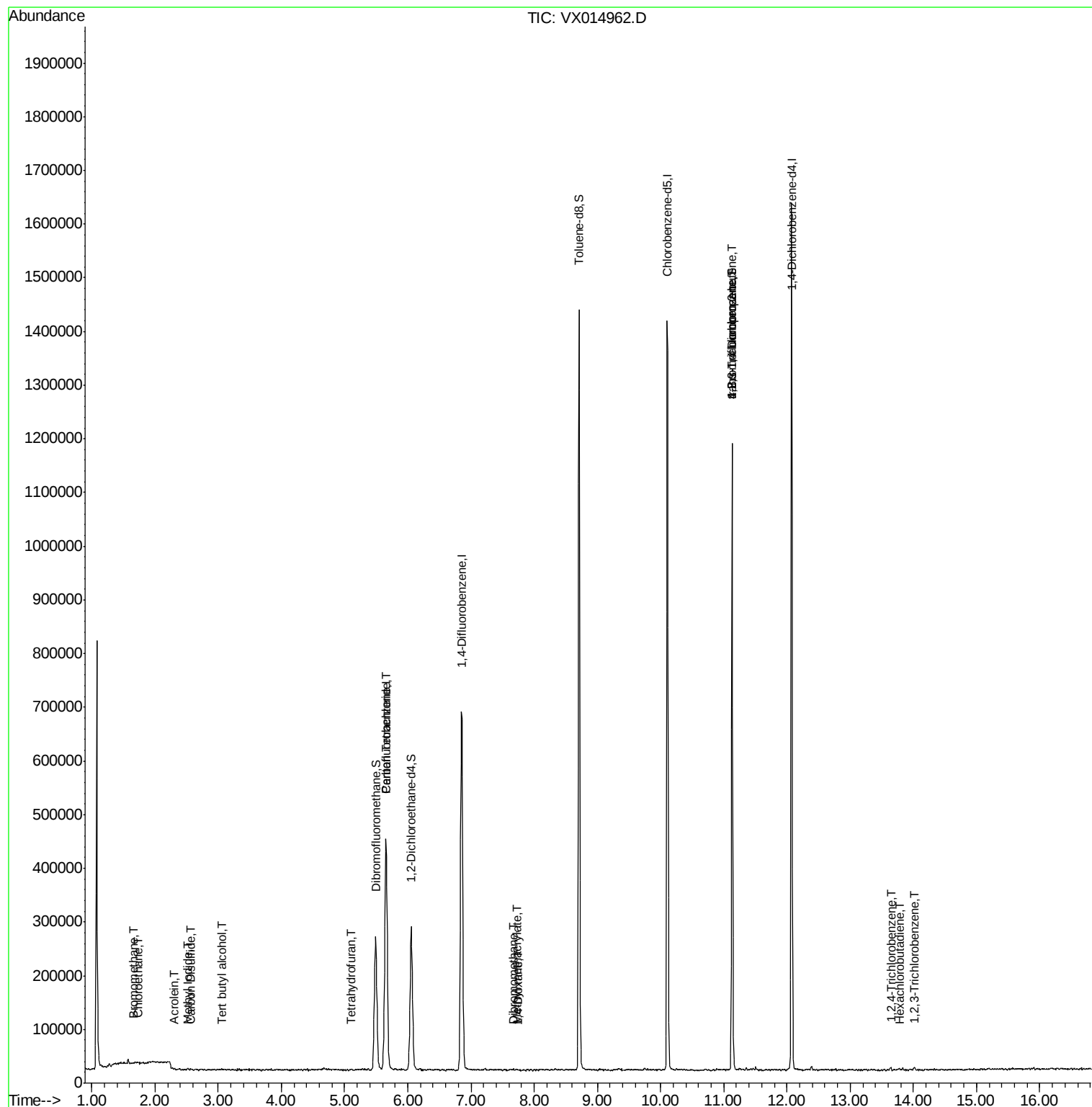
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1050	0.315	ug/l #	77
6) Chloroethane	1.73	64	1138	0.345	ug/l #	83
10) Methyl Iodide	2.51	142	2382	4.835	ug/l	94
11) Tert butyl alcohol	3.05	59	439	0.494	ug/l #	56
13) Acrolein	2.31	56	520	0.768	ug/l #	81
16) Acetone	2.44	43	339	Below Cal	#	45
17) Carbon Disulfide	2.57	76	2760	0.242	ug/l #	94
29) Tetrahydrofuran	5.09	42	852	0.438	ug/l #	78
38) Carbon Tetrachloride	5.65	117	38997	6.465	ug/l #	15
46) Dibromomethane	7.68	93	878	0.272	ug/l #	10
48) Methyl methacrylate	7.72	41	1702	0.325	ug/l #	40
49) 1,4-Dioxane	7.74	88	276	2.817	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	151344	24.842	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	151344	63.589	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.65	180	1783	0.233	ug/l #	87
94) Hexachlorobutadiene	13.78	225	936	0.253	ug/l	87
96) 1,2,3-Trichlorobenzene	14.01	180	1545	0.209	ug/l	96

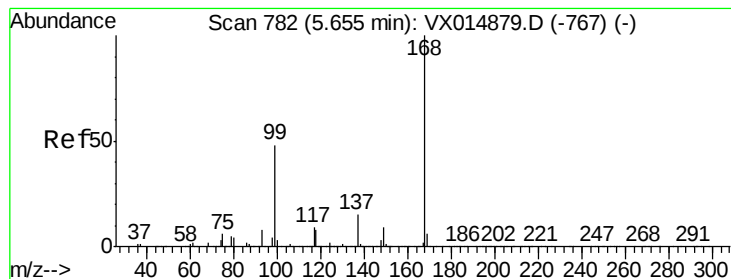
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. -0.00 min

Lab File: VX014962.D

Acq: 19 Feb 2020 12:45

Instrument :

MSVOA_X

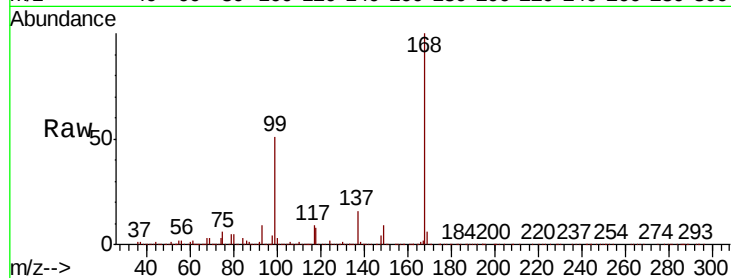
ClientSampleId :

Tot Ion:168 Resp: 445682

Ion Ratio Lower Upper

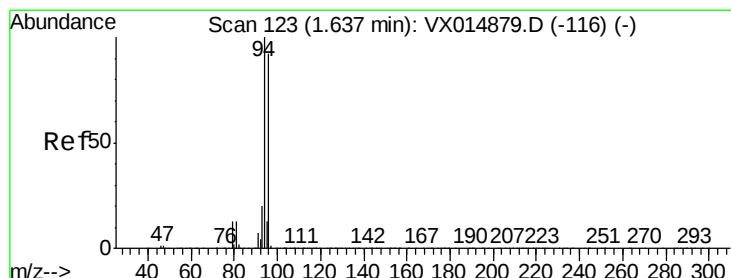
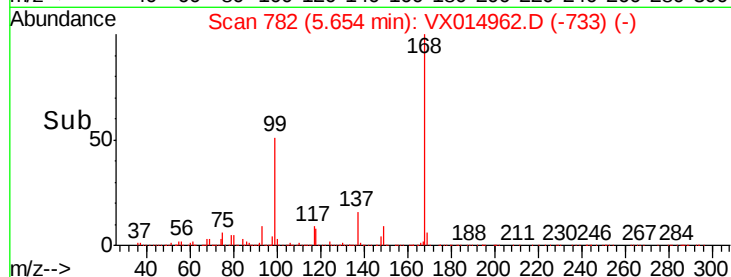
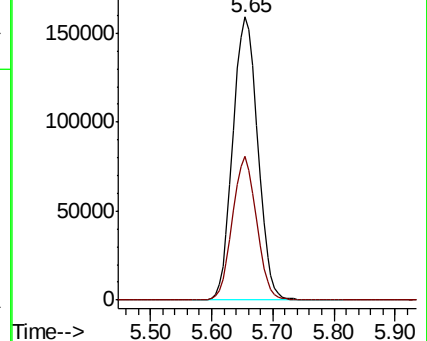
168 100

99 50.8 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.315 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014962.D

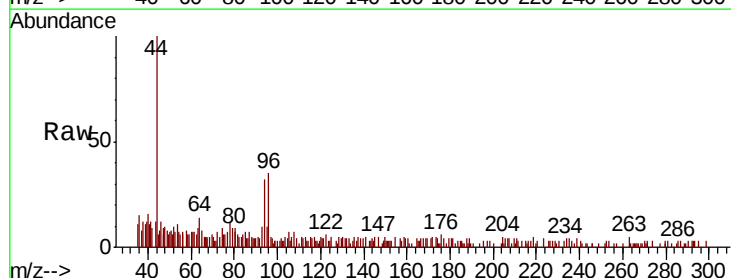
Acq: 19 Feb 2020 12:45

Tgt Ion: 94 Resp: 1050

Ion Ratio Lower Upper

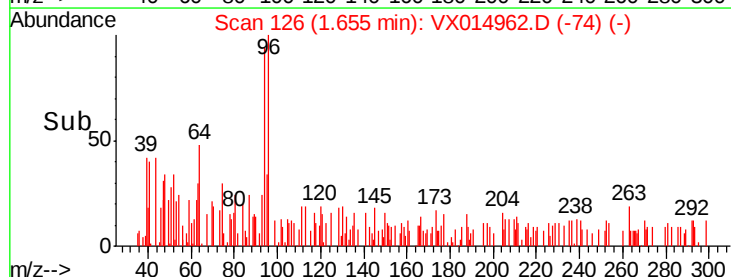
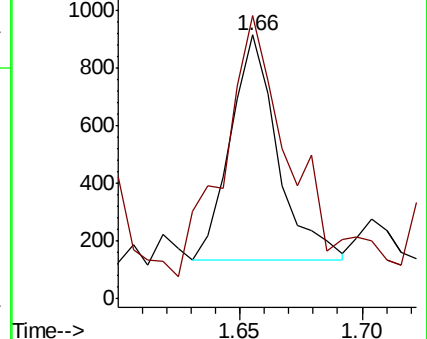
94 100

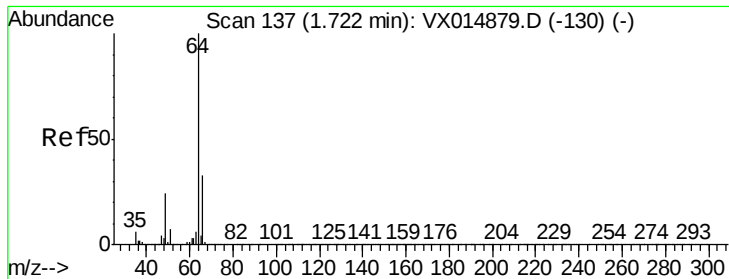
96 113.7 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.345 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX014962.D

Acq: 19 Feb 2020 12:45

Instrument :

MSVOA_X

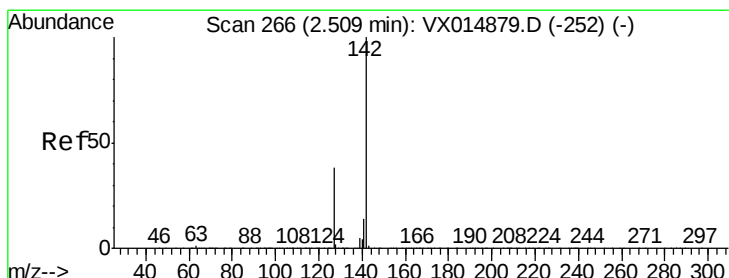
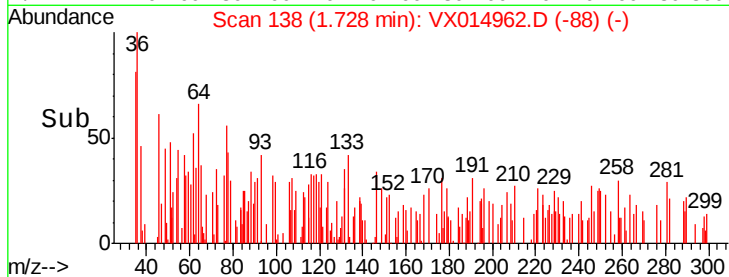
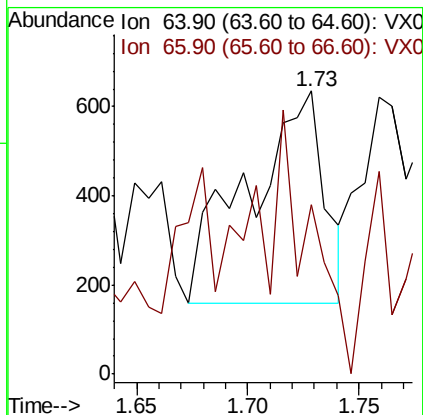
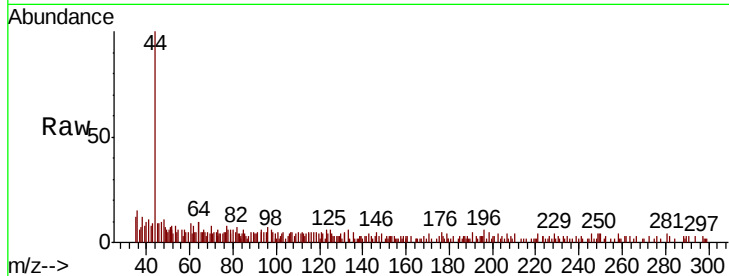
ClientSampleId :

Tot Ion: 64 Resp: 1138

Ion Ratio Lower Upper

64 100

66 42.6 26.2 39.4#



#10

Methyl Iodide

Concen: 4.835 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014962.D

Acq: 19 Feb 2020 12:45

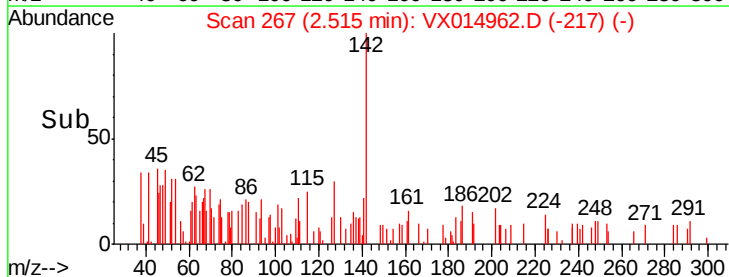
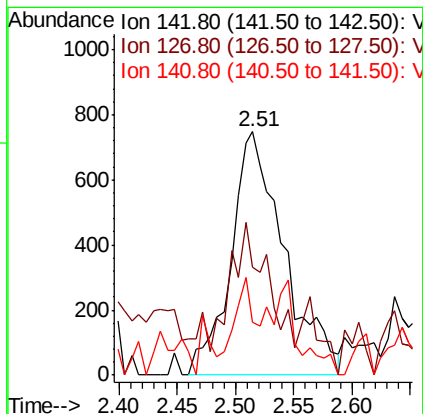
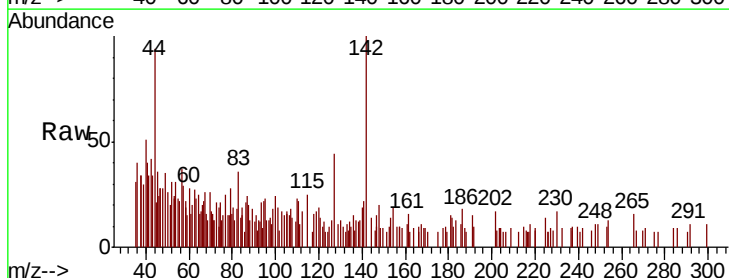
Tgt Ion: 142 Resp: 2382

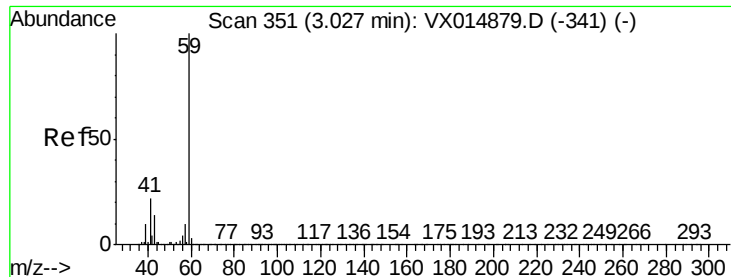
Ion Ratio Lower Upper

142 100

127 35.1 31.1 46.7

141 15.9 11.3 16.9



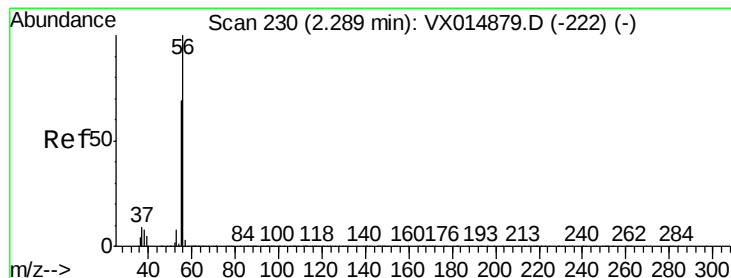
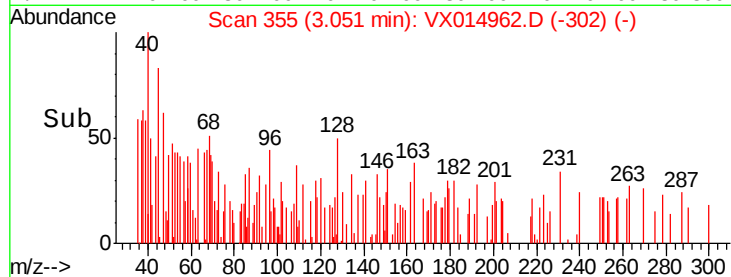
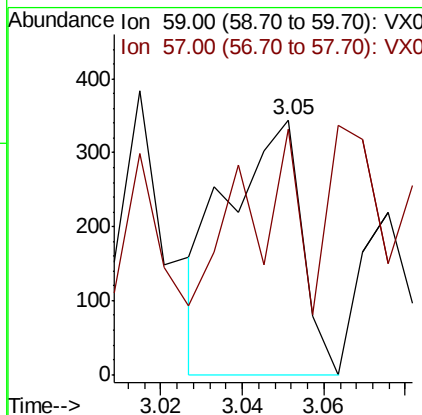
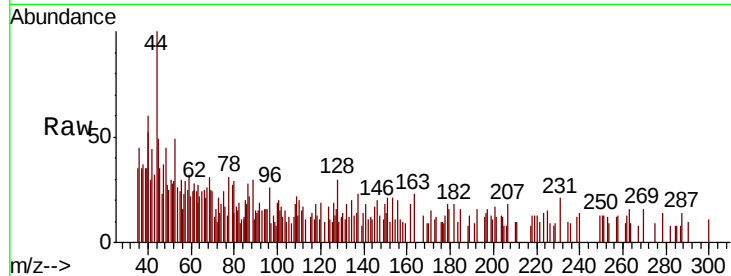


#11

Tert butyl alcohol
Concen: 0.494 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.02 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

Instrument :
MSVOA_X
ClientSampled :

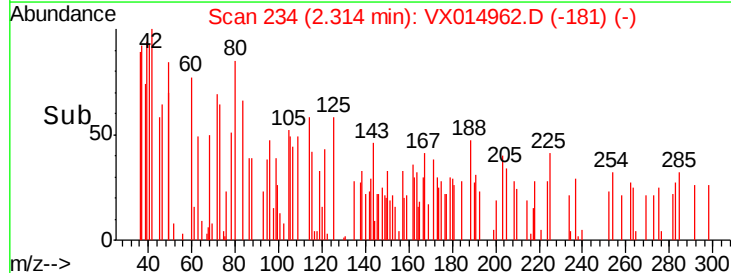
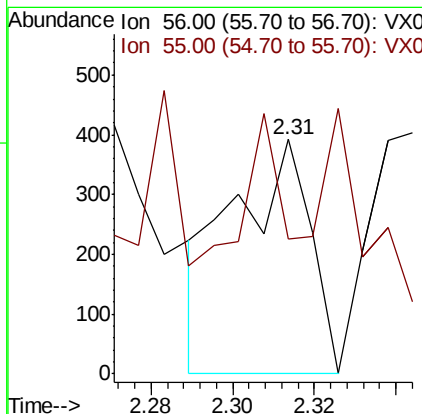
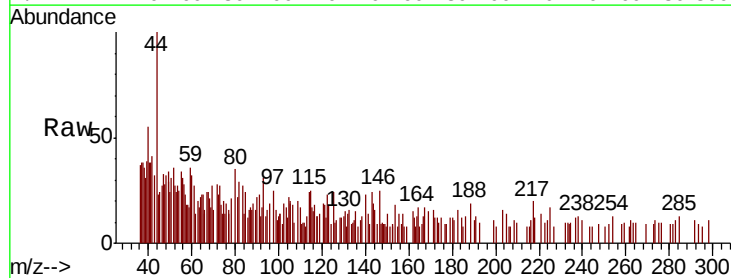
Tot Ion: 59 Resp: 439
Ion Ratio Lower Upper
59 100
57 26.7 8.2 12.4#

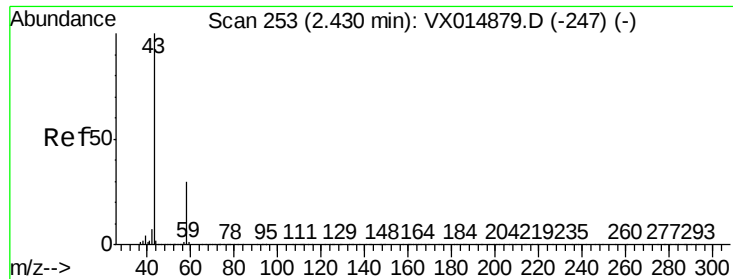


#13

Acrolein
Concen: 0.768 ug/l
RT: 2.31 min Scan# 234
Delta R.T. 0.02 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

Tgt Ion: 56 Resp: 520
Ion Ratio Lower Upper
56 100
55 53.7 55.0 82.4#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014962.D

Acq: 19 Feb 2020 12:45

Instrument :

MSVOA_X

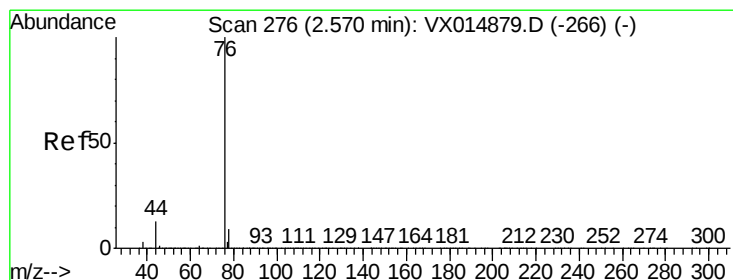
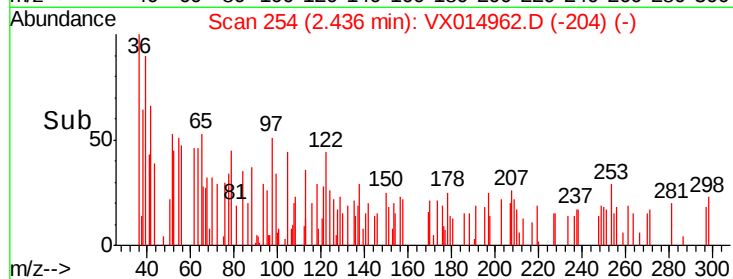
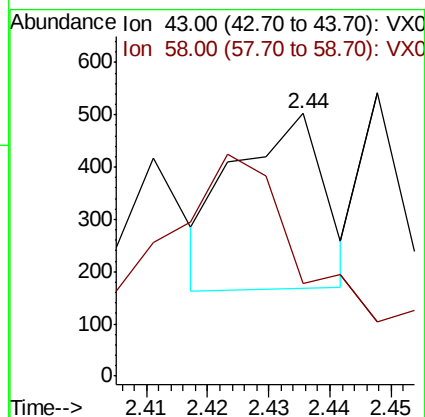
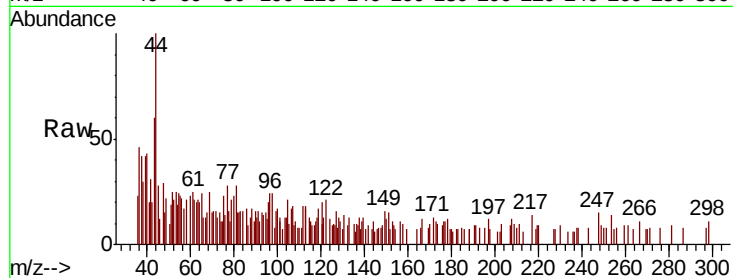
ClientSampled :

Tot Ion: 43 Resp: 339

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



#17

Carbon Disulfide

Concen: 0.242 ug/l

RT: 2.57 min Scan# 276

Delta R.T. -0.00 min

Lab File: VX014962.D

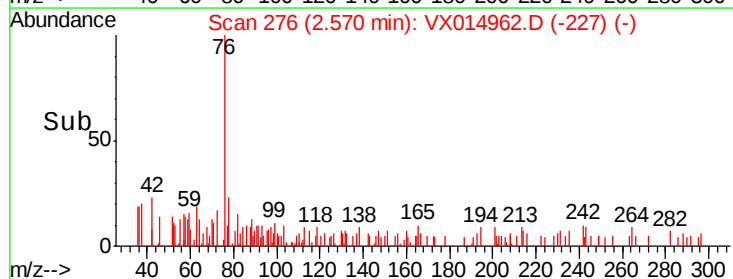
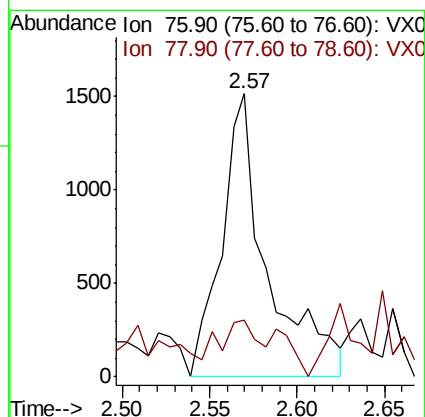
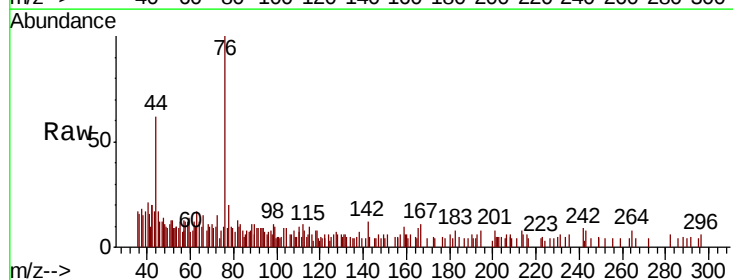
Acq: 19 Feb 2020 12:45

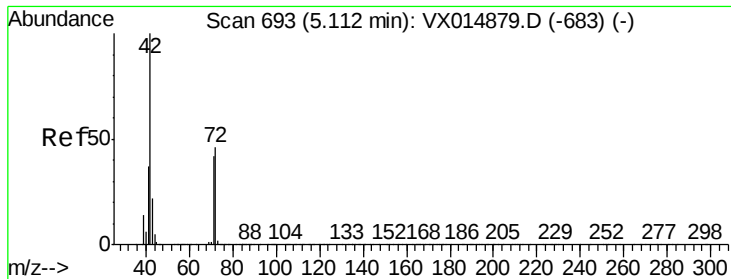
Tgt Ion: 76 Resp: 2760

Ion Ratio Lower Upper

76 100

78 11.6 7.4 11.0#

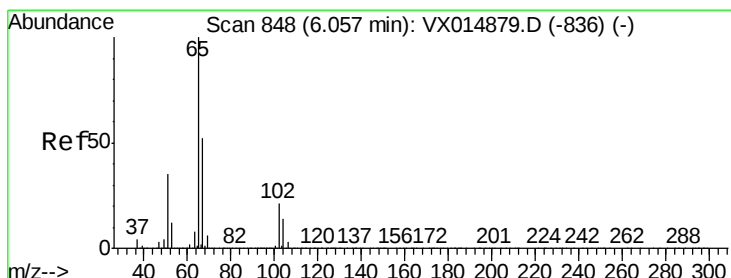
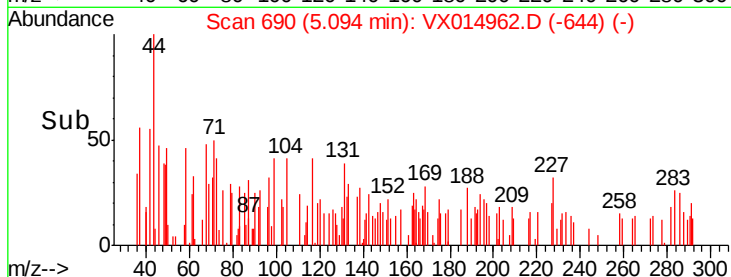
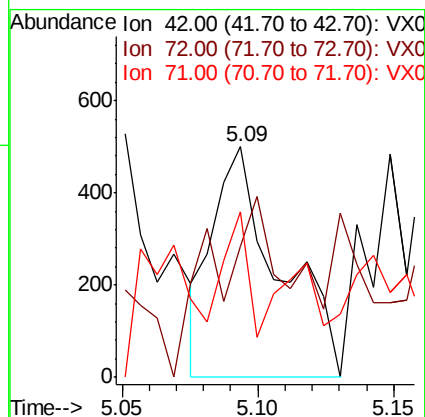
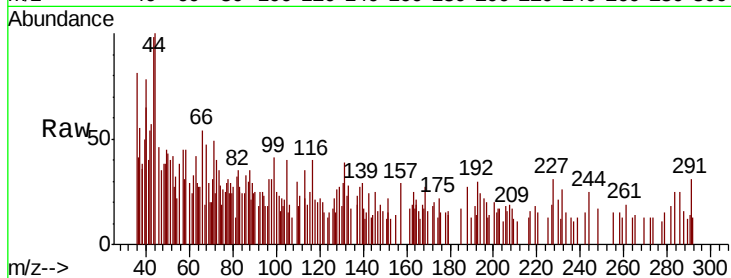




#29
Tetrahydrofuran
Concen: 0.438 ug/l
RT: 5.09 min Scan# 690
Delta R.T. -0.02 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

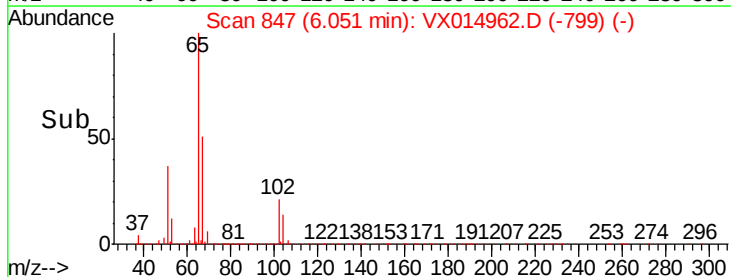
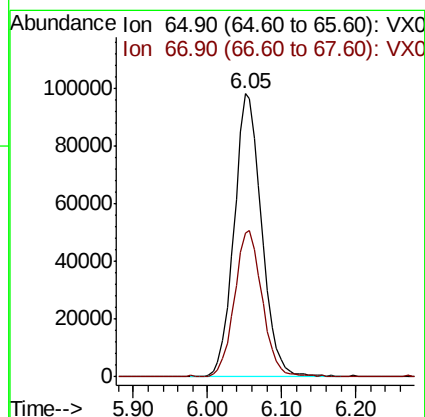
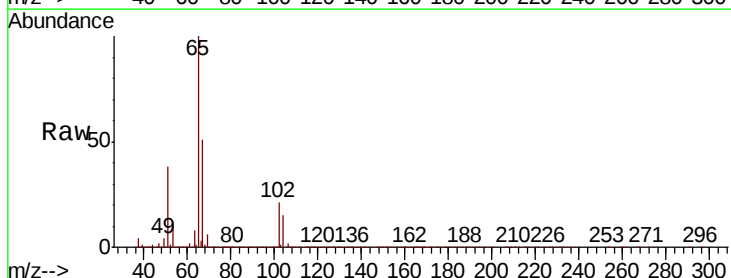
Instrument :
MSVOA_X
ClientSampleId :

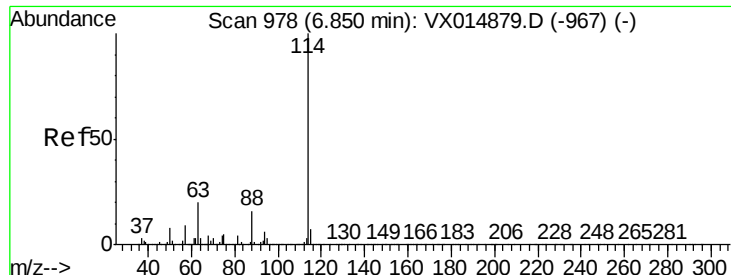
Tot Ion: 42 Resp: 852
Ion Ratio Lower Upper
42 100
72 40.6 36.9 55.3
71 18.9 34.1 51.1#



#33
1,2-Dichloroethane-d4
Concen: 50.428 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

Tgt Ion: 65 Resp: 253645
Ion Ratio Lower Upper
65 100
67 52.0 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: VX014962.D

Acq: 19 Feb 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

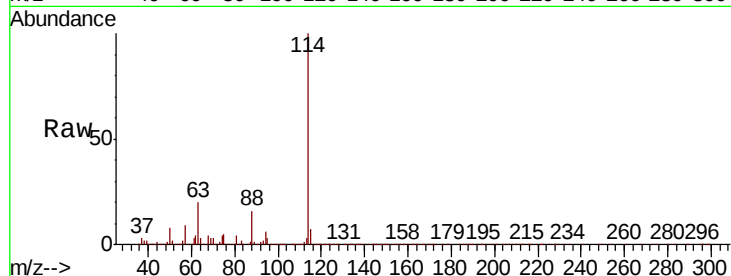
Tot Ion:114 Resp: 691904

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

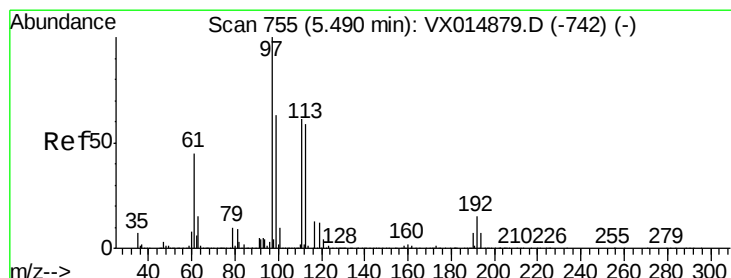
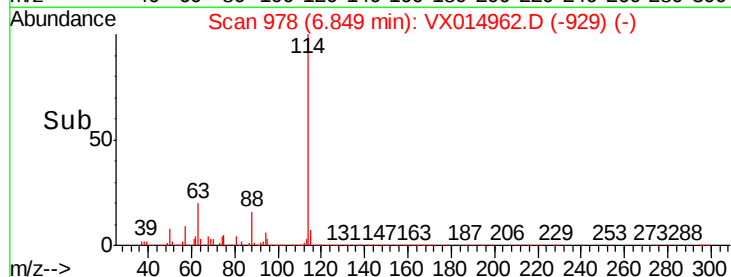
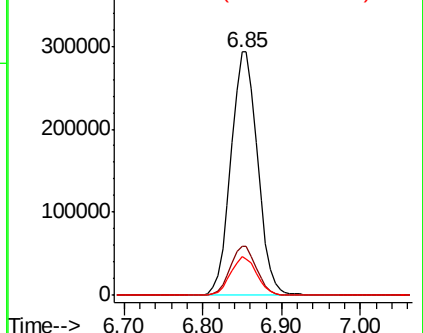
88 15.9 0.0 32.0



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: 49.300 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014962.D

Acq: 19 Feb 2020 12:45

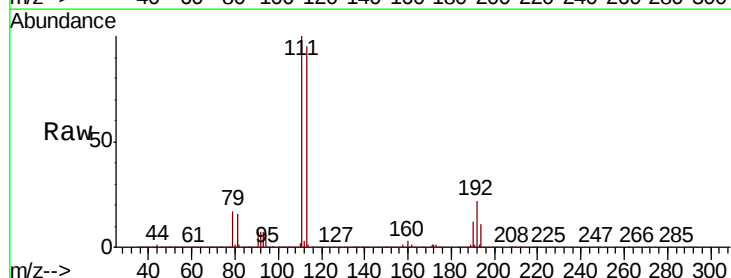
Tgt Ion:113 Resp: 209706

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

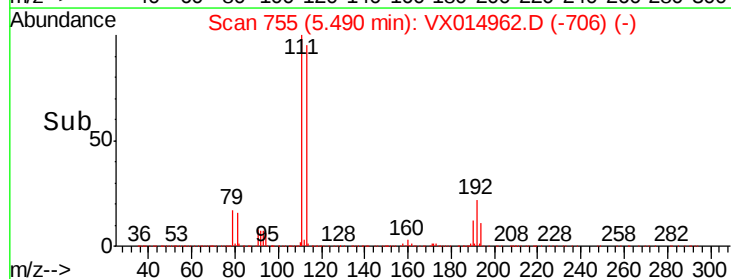
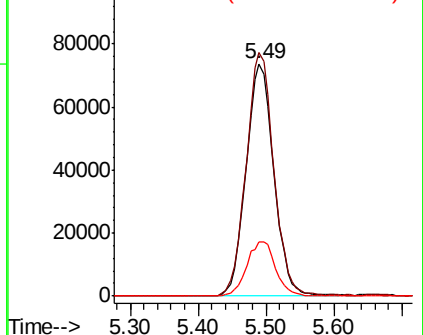
192 24.1 19.1 28.7

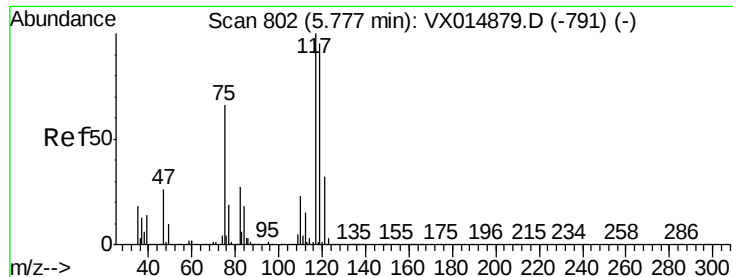


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

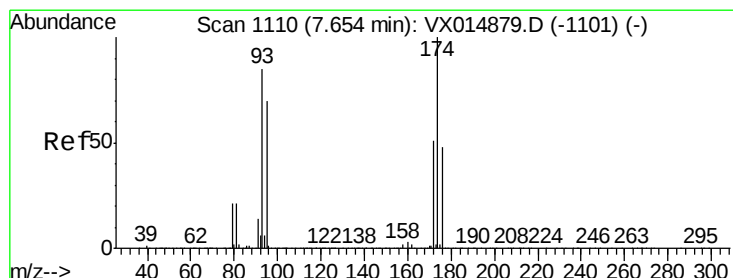
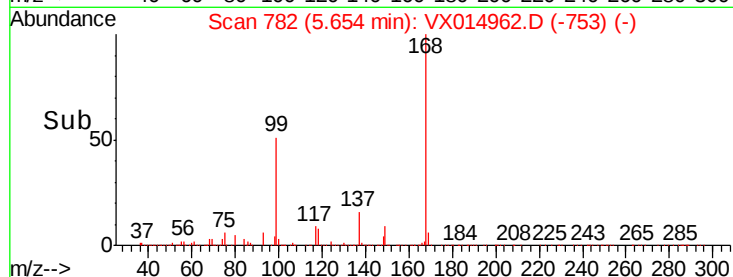
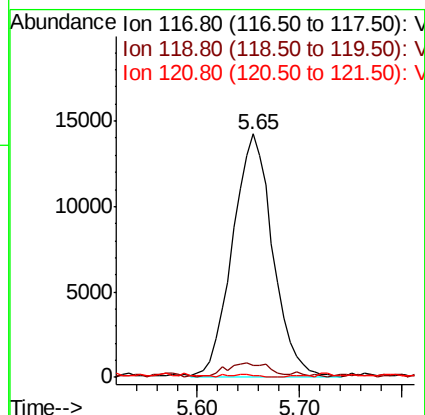
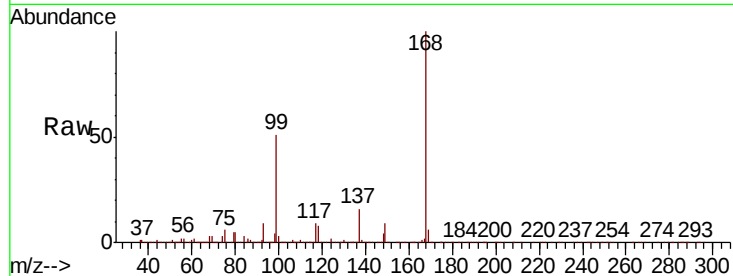




#38
Carbon Tetrachloride
Concen: 6.465 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

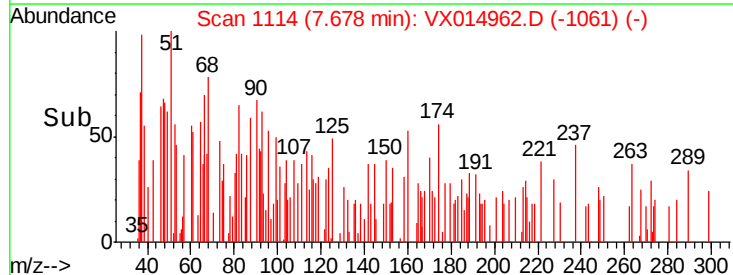
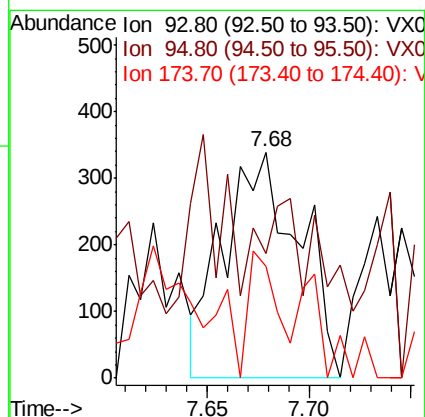
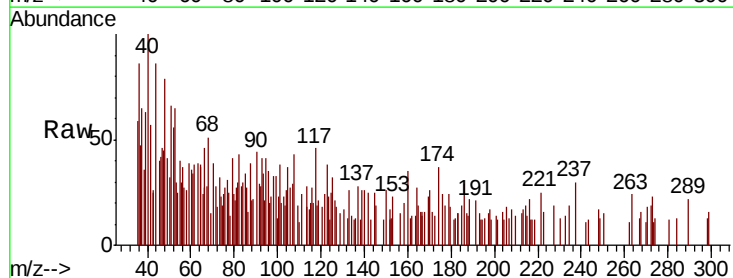
Instrument :
MSVOA_X
ClientSampleId :

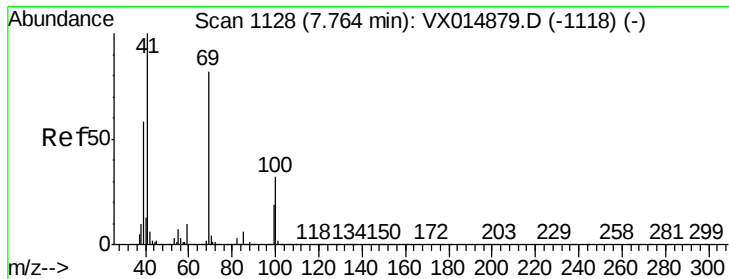
Tot Ion:117 Resp: 38997
Ion Ratio Lower Upper
117 100
119 3.4 76.0 114.0#
121 0.0 25.4 38.2#



#46
Dibromomethane
Concen: 0.272 ug/l
RT: 7.68 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

Tgt Ion: 93 Resp: 878
Ion Ratio Lower Upper
93 100
95 0.0 65.8 98.8#
174 21.2 95.4 143.2#

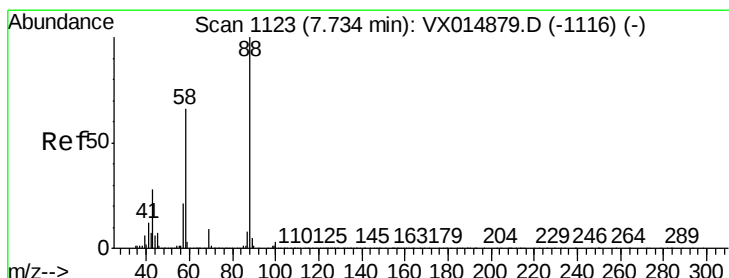
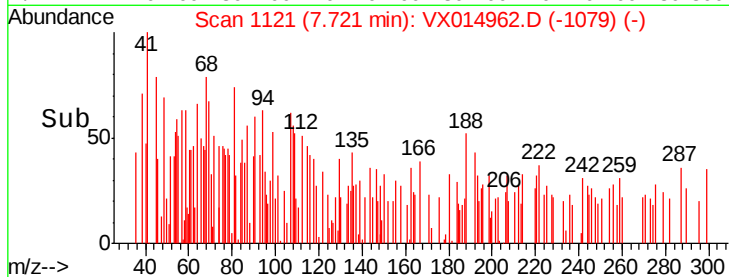
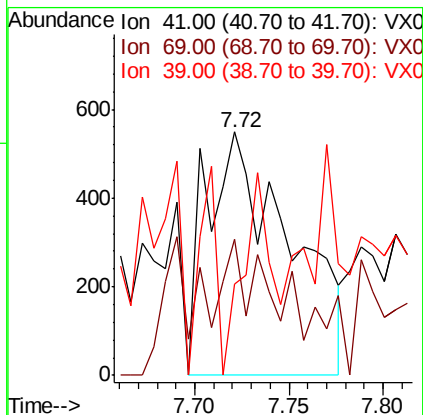
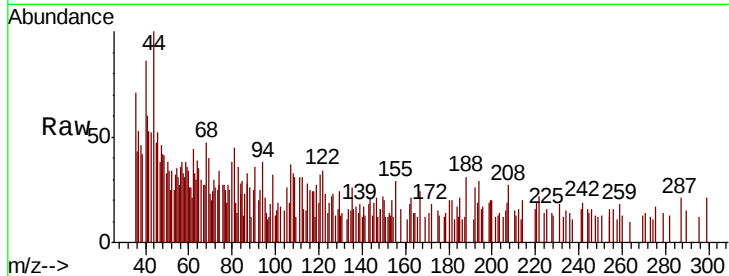




#48
Methyl methacrylate
Concen: 0.325 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.04 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

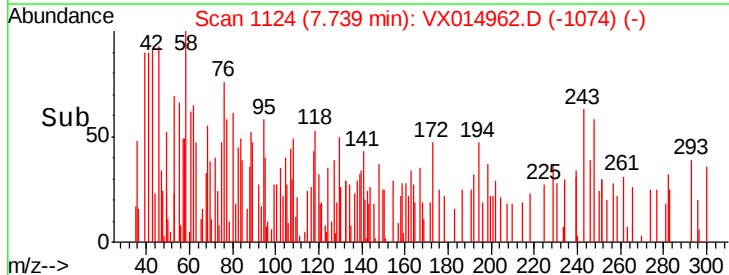
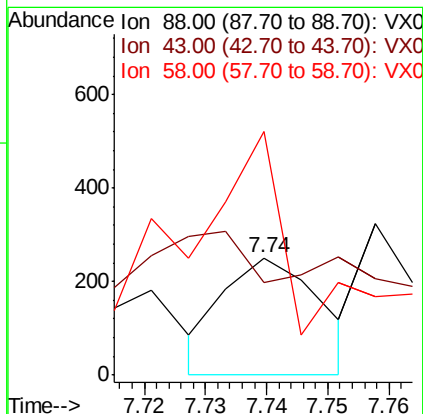
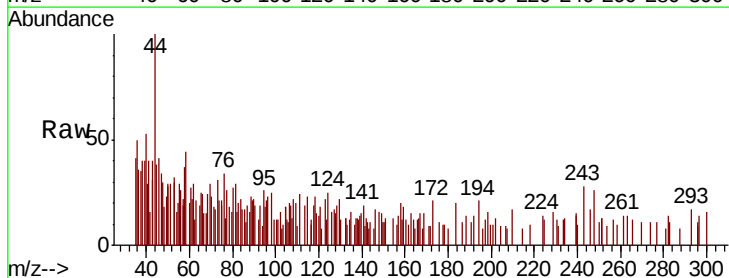
Instrument :
MSVOA_X
ClientSampled :

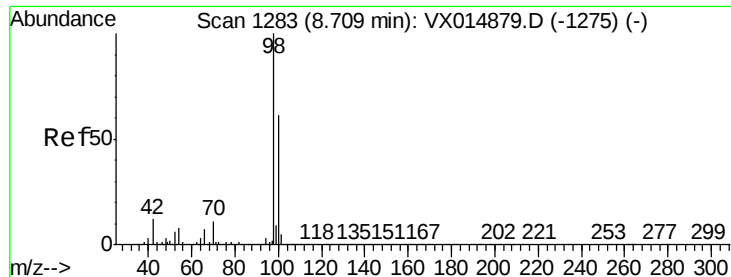
Tot Ion: 41 Resp: 1702
Ion Ratio Lower Upper
41 100
69 15.6 65.7 98.5#
39 28.0 45.8 68.8#



#49
1,4-Dioxane
Concen: 2.817 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

Tgt Ion: 88 Resp: 276
Ion Ratio Lower Upper
88 100
43 114.9 27.0 40.4#
58 212.3 53.2 79.8#

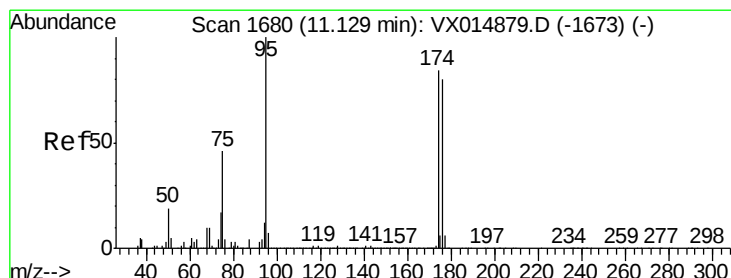
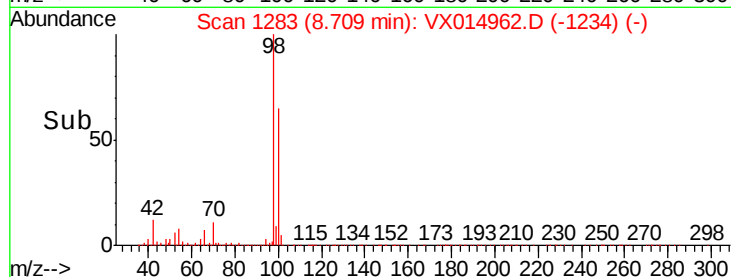
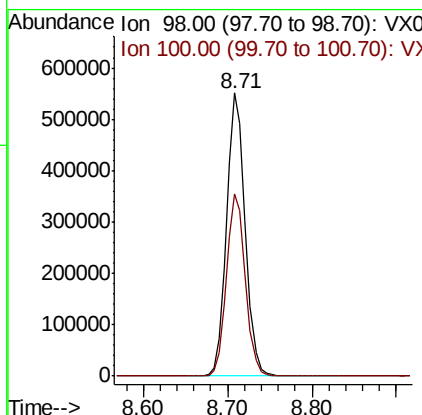
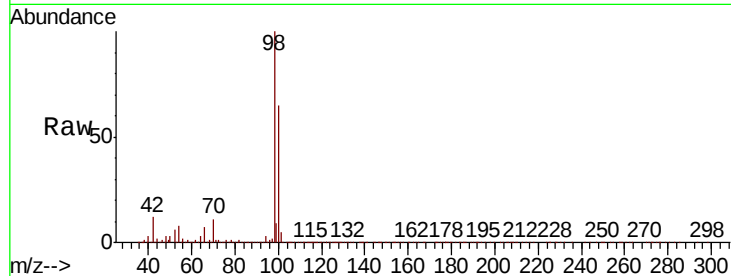




#50
Toluene-d8
Concen: 51.372 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

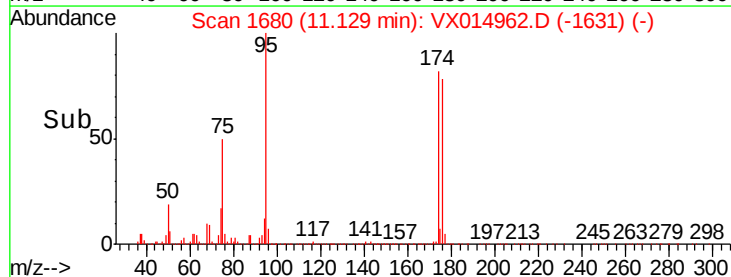
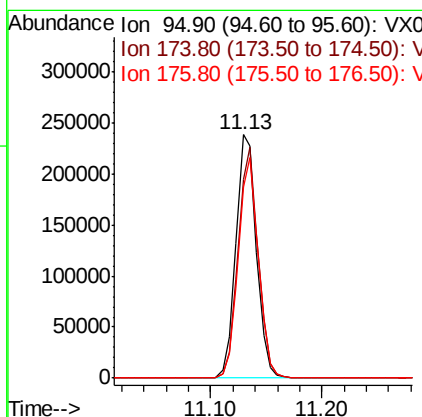
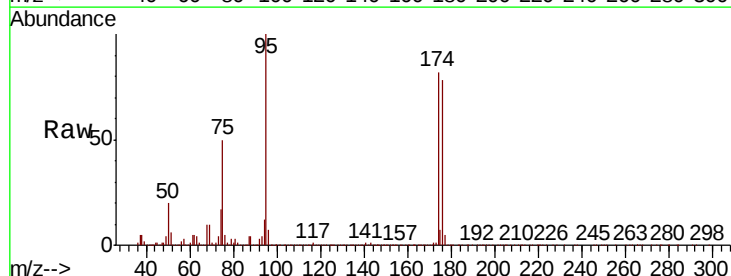
Instrument :
MSVOA_X
ClientSampled :

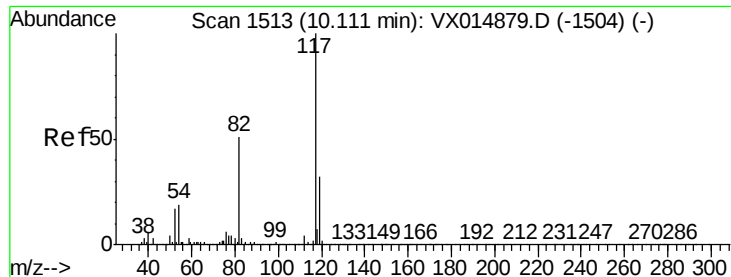
Tot Ion: 98 Resp: 834114
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 51.993 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

Tgt Ion: 95 Resp: 304106
Ion Ratio Lower Upper
95 100
174 93.0 0.0 183.0
176 89.0 0.0 178.0

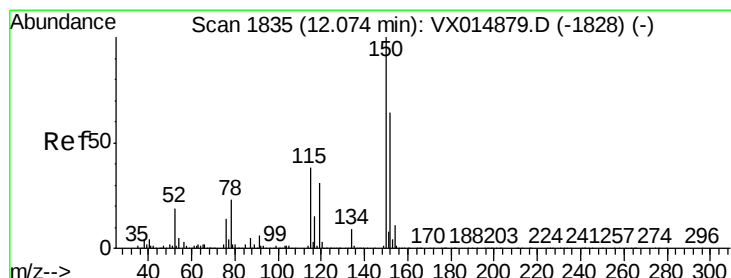
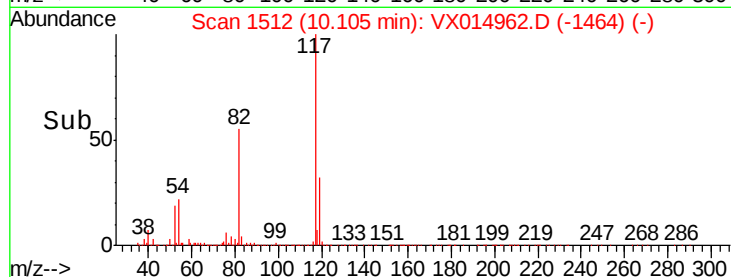
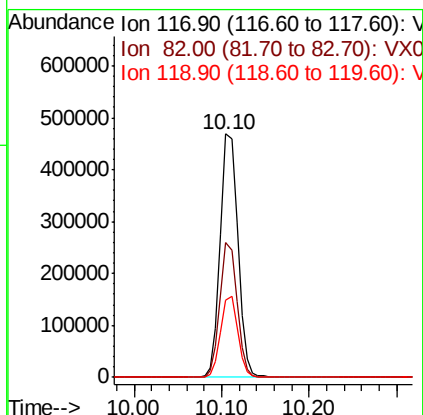
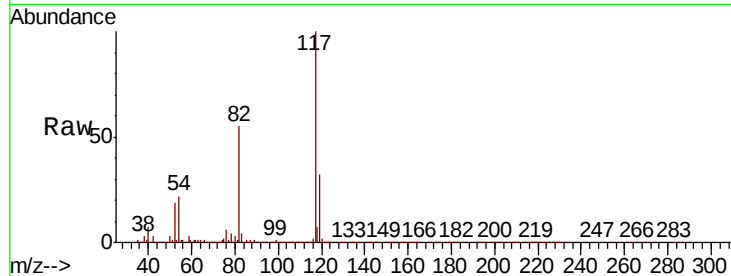




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

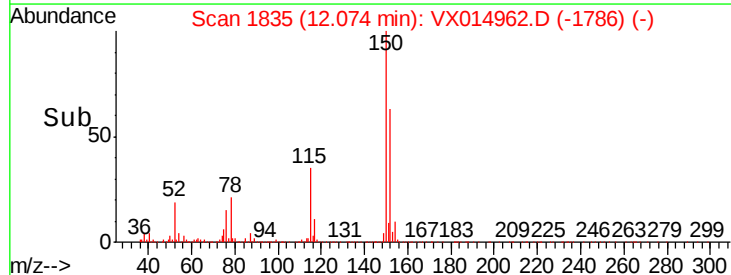
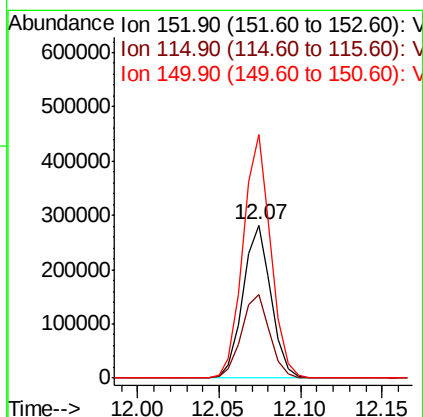
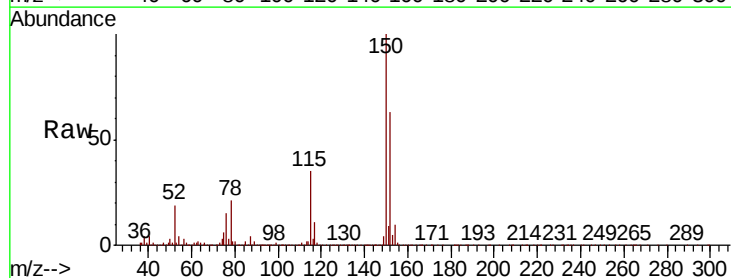
Instrument :
MSVOA_X
ClientSampleId :

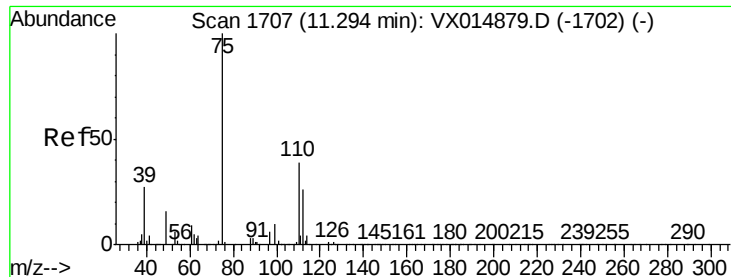
Tot Ion:117 Resp: 655744
Ion Ratio Lower Upper
117 100
82 55.5 40.5 60.7
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014962.D
Acq: 19 Feb 2020 12:45

Tgt Ion:152 Resp: 336894
Ion Ratio Lower Upper
152 100
115 55.4 38.6 116.0
150 157.3 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 24.842 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014962.D

Acq: 19 Feb 2020 12:45

Instrument :

MSVOA_X

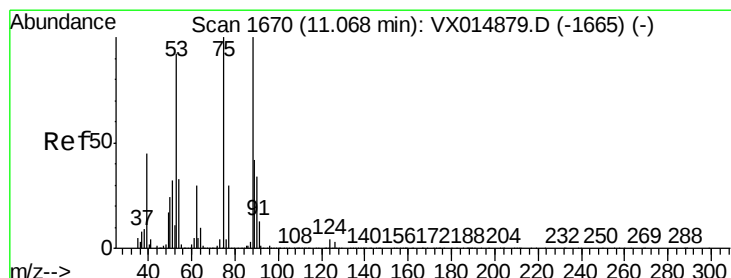
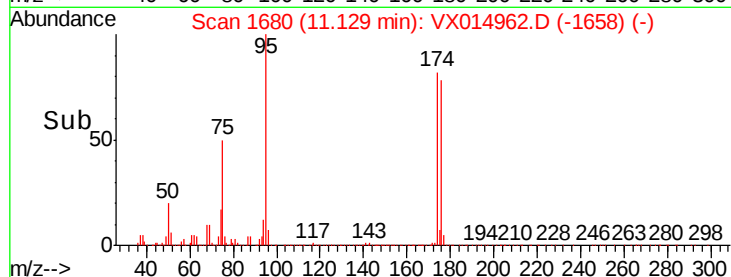
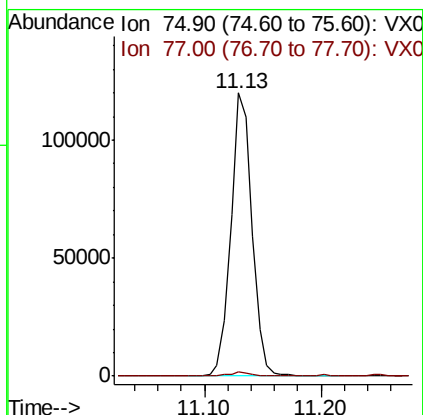
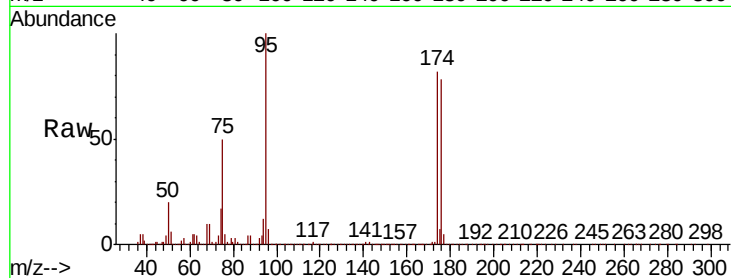
ClientSampled :

Tot Ion: 75 Resp: 151344

Ion Ratio Lower Upper

75 100

77 1.5 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.589 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014962.D

Acq: 19 Feb 2020 12:45

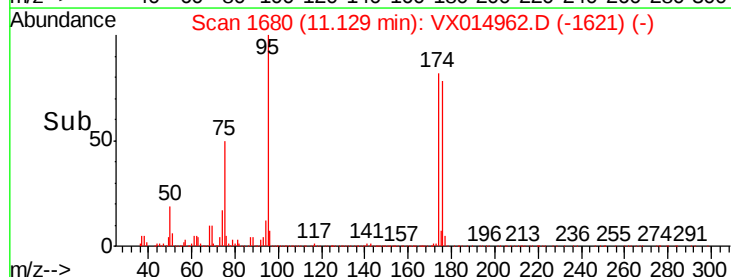
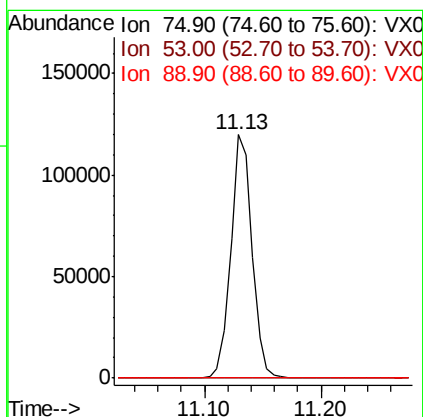
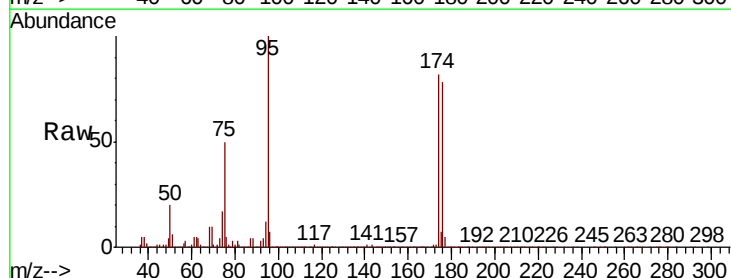
Tgt Ion: 75 Resp: 151344

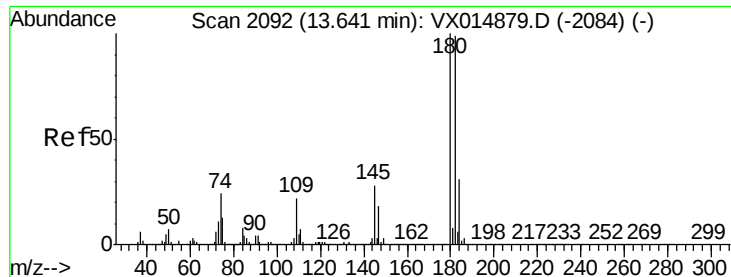
Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

89 0.1 35.8 53.6#

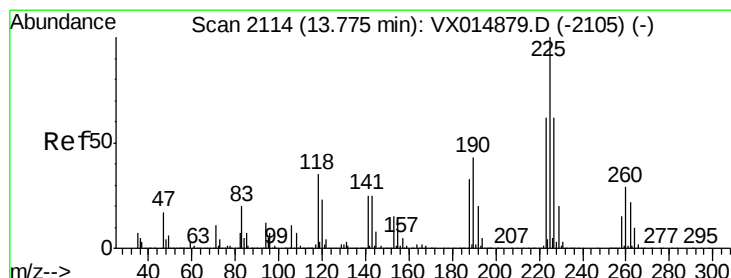
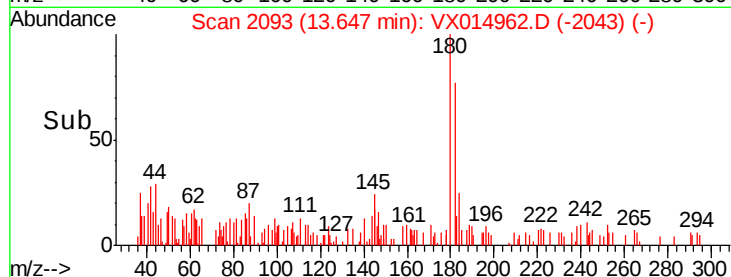
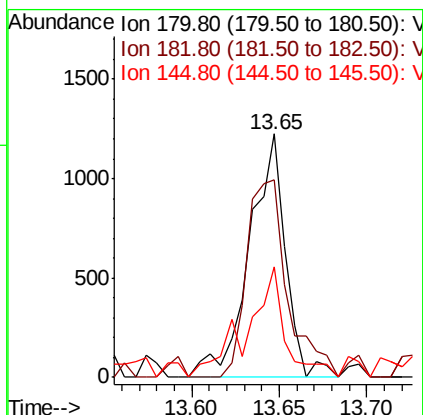
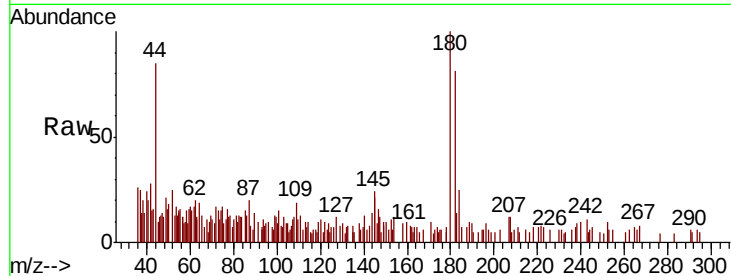




#93
 1,2,4-Trichlorobenzene
 Concen: 0.233 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX014962.D
 Acq: 19 Feb 2020 12:45

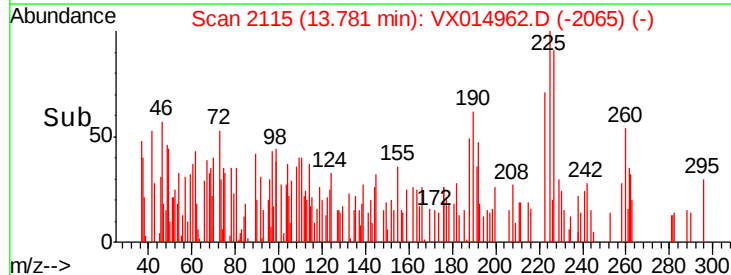
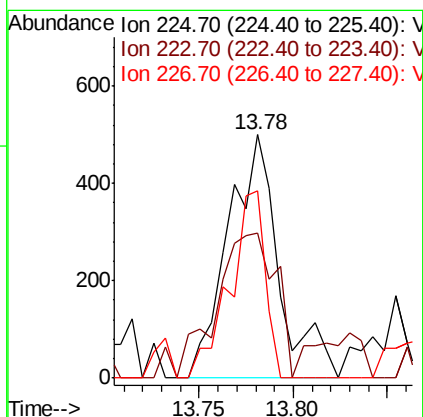
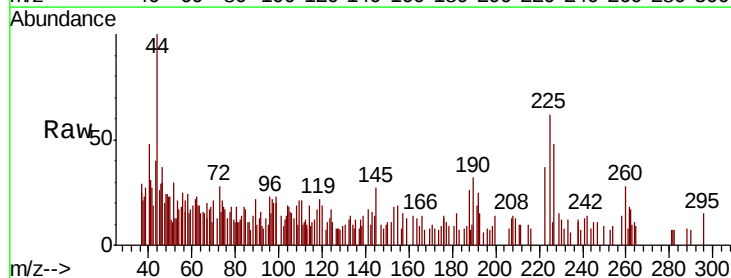
Instrument :
 MSVOA_X
 ClientSampleId :

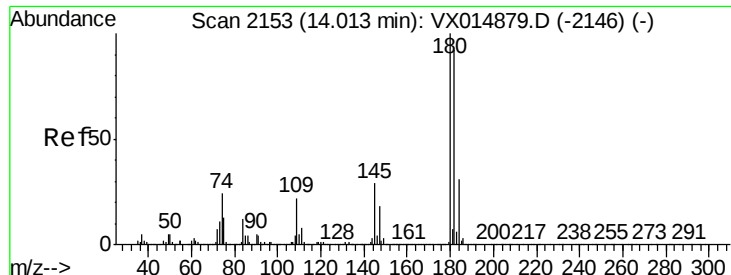
Tot Ion:180 Resp: 1783
 Ion Ratio Lower Upper
 180 100
 182 90.9 48.4 145.3
 145 47.8 14.1 42.4#



#94
 Hexachlorobutadiene
 Concen: 0.253 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX014962.D
 Acq: 19 Feb 2020 12:45

Tgt Ion:225 Resp: 936
 Ion Ratio Lower Upper
 225 100
 223 74.6 31.1 93.2
 227 53.5 30.9 92.5

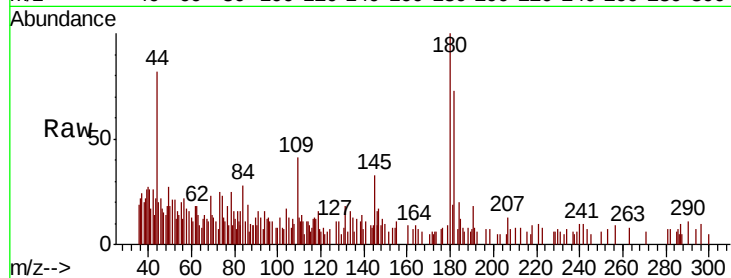




#96
 1,2,3-Trichlorobenzene
 Concen: 0.209 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX014962.D
 Acq: 19 Feb 2020 12:45

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.6
145	37.7	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

