

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
 Data File : VX014346.D
 Acq On : 30 Dec 2019 11:32
 Operator : JC/SP
 Sample : VX1230WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBL02

Quant Time: Dec 31 01:15:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	542683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	845249	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	756220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331507	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	305647	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	5.49	113	252038	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	8.71	98	1010905	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.13	95	339316	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

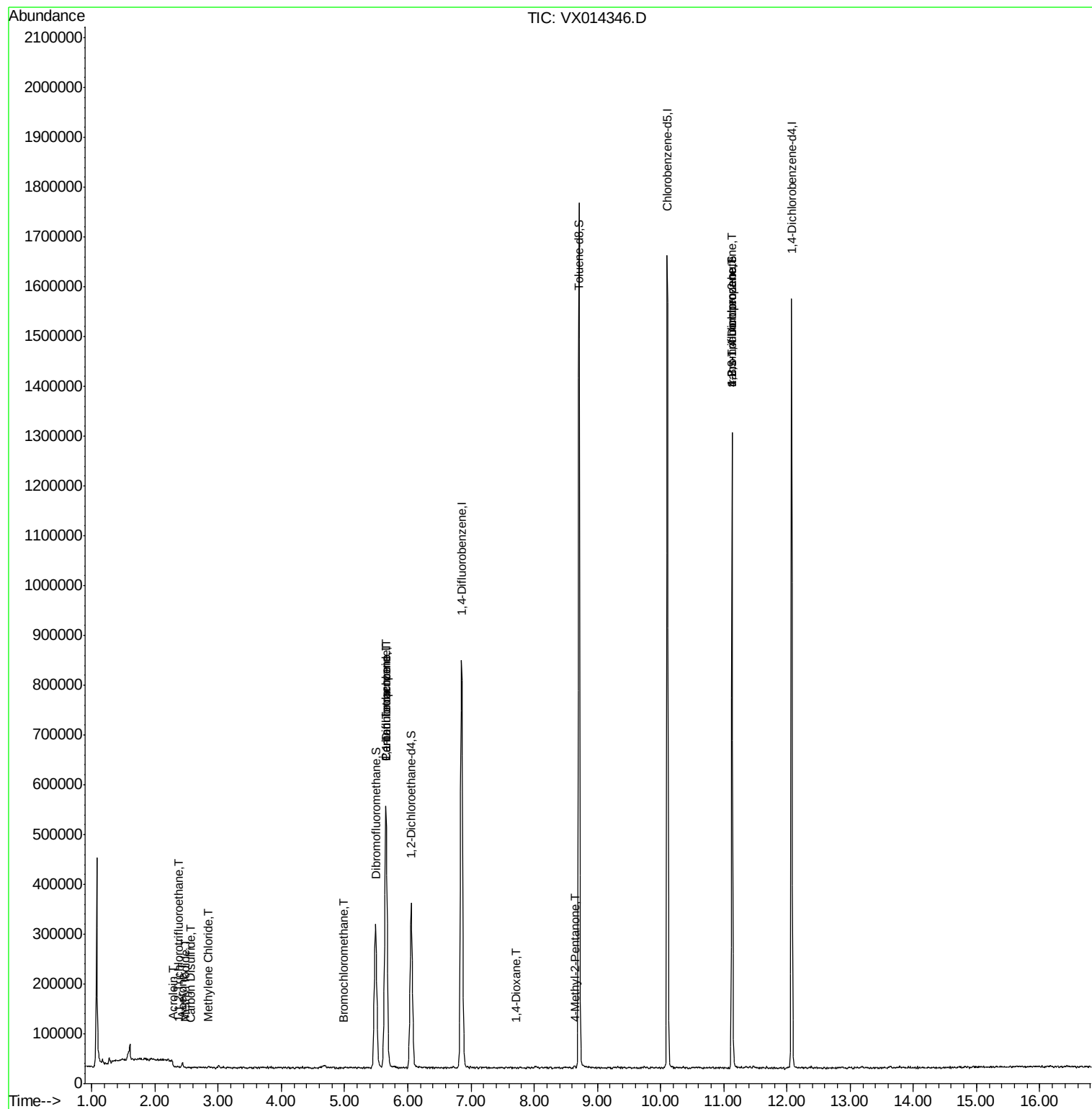
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1085	0.211	ug/l #	65
10) Methyl Iodide	2.48	142	208	2.650	ug/l #	25
13) Acrolein	2.29	56	191	0.251	ug/l #	1
16) Acetone	2.44	43	10804	2.706	ug/l	96
17) Carbon Disulfide	2.57	76	1606	0.859	ug/l #	94
20) Methylene Chloride	2.85	84	1287	0.205	ug/l #	80
28) Bromochloromethane	4.99	49	500	0.578	ug/l #	32
36) 1,1-Dichloropropene	5.65	75	36534	4.711	ug/l #	52
38) Carbon Tetrachloride	5.65	117	48671	6.889	ug/l #	17
49) 1,4-Dioxane	7.72	88	387	2.740	ug/l #	59
51) 4-Methyl-2-Pentanone	8.64	43	2792	0.314	ug/l #	85
76) 1,2,3-Trichloropropane	11.13	75	163844	22.766	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	163769	64.227	ug/l #	12

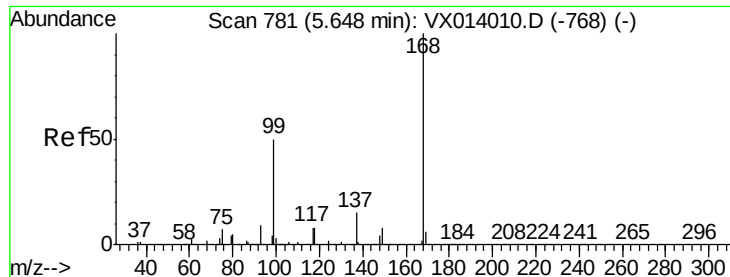
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014346.D

Acq: 30 Dec 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

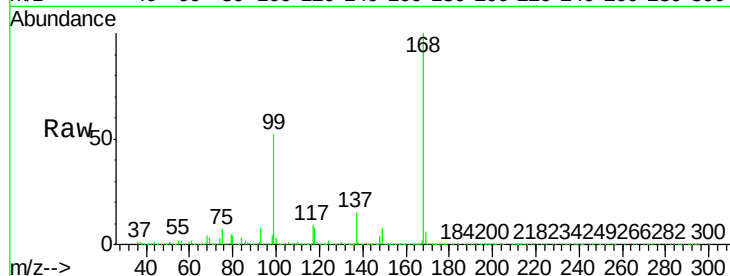
VX1230WBL02

Tot Ion:168 Resp: 542683

Ion Ratio Lower Upper

168 100

99 51.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

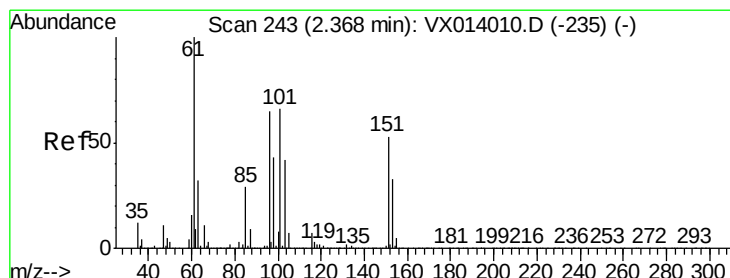
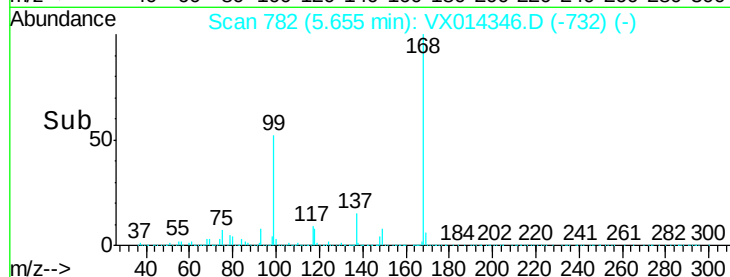
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.211 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014346.D

Acq: 30 Dec 2019 11:32

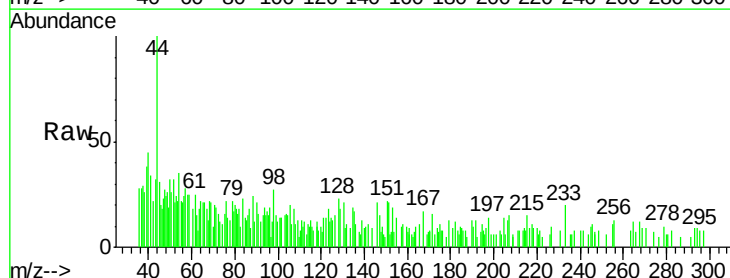
Tgt Ion:101 Resp: 1085

Ion Ratio Lower Upper

101 100

85 13.4 33.7 50.5#

151 54.6 64.5 96.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

600

500

400

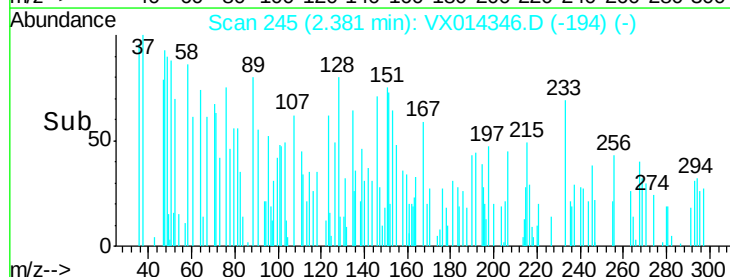
300

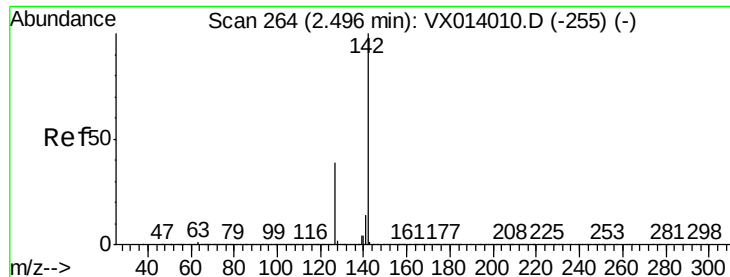
200

100

0

Time-->

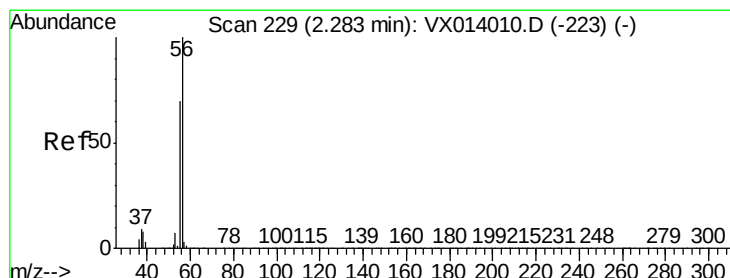
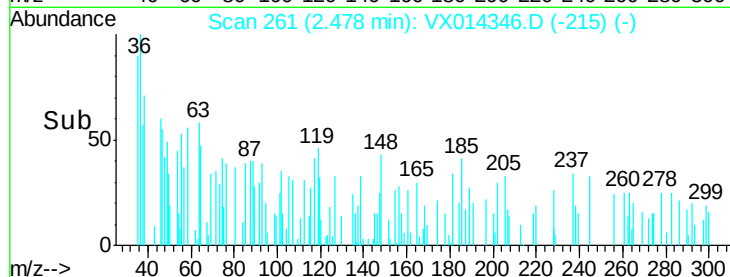
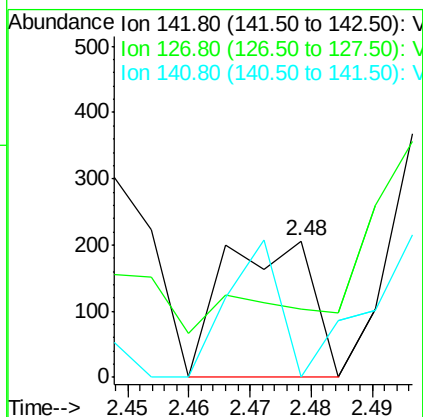
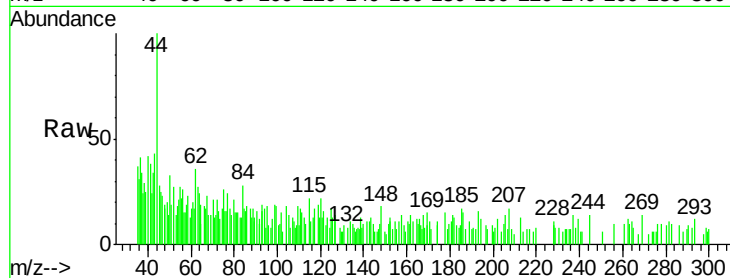




#10
Methyl Iodide
Concen: 2.650 ug/l
RT: 2.48 min Scan# 261
Delta R.T. -0.02 min
Lab File: VX014346.D
Acq: 30 Dec 2019 11:32

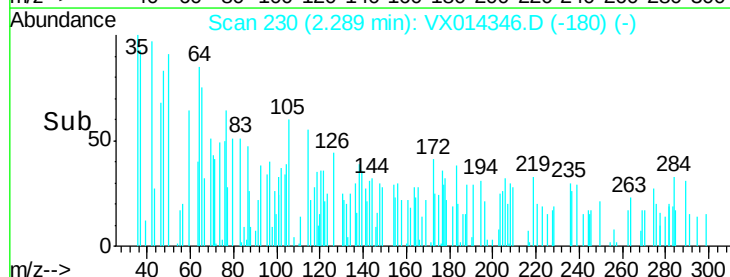
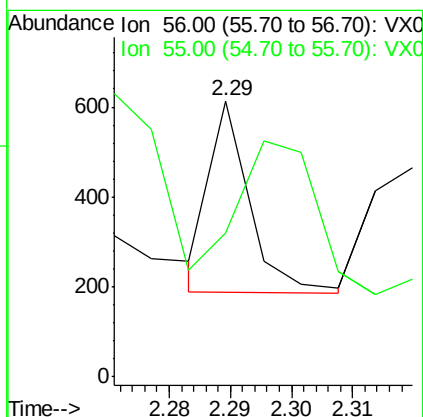
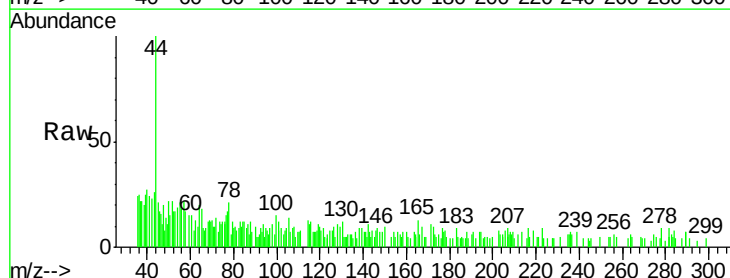
Instrument :
MSVOA_X
ClientSampleId :
VX1230WBL02

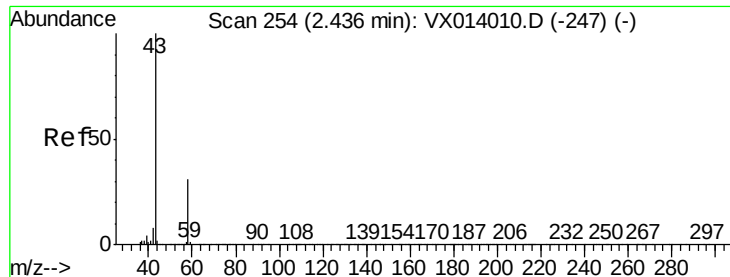
Tot Ion:142 Resp: 208
Ion Ratio Lower Upper
142 100
127 0.0 31.6 47.4#
141 57.7 11.6 17.4#



#13
Acrolein
Concen: 0.251 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014346.D
Acq: 30 Dec 2019 11:32

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 166.0 56.9 85.3#





#16

Acetone

Concen: 2.706 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014346.D

Acq: 30 Dec 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

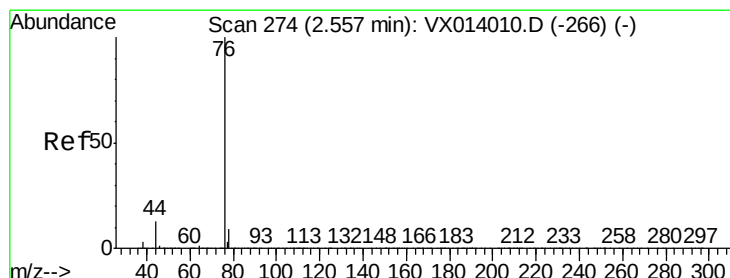
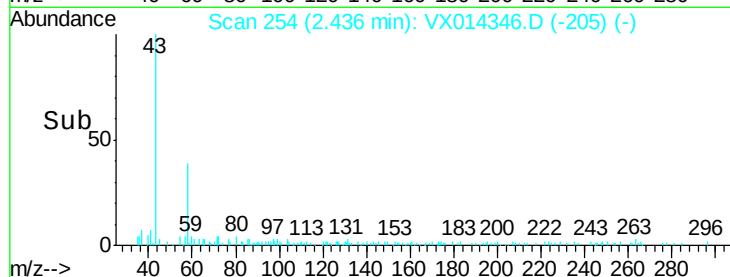
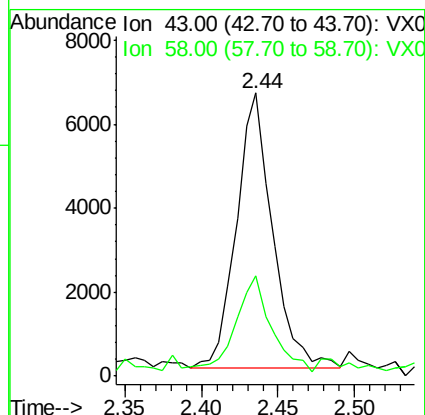
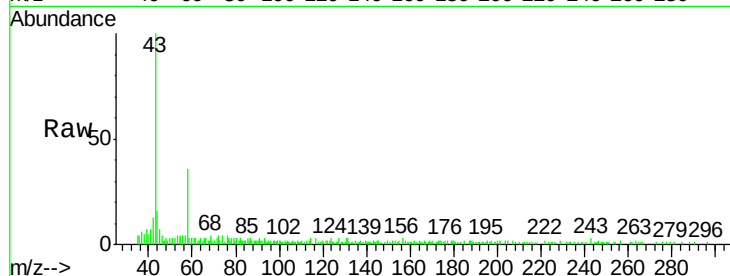
VX1230WBL02

Tot Ion: 43 Resp: 10804

Ion Ratio Lower Upper

43 100

58 33.2 24.9 37.3



#17

Carbon Disulfide

Concen: 0.859 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014346.D

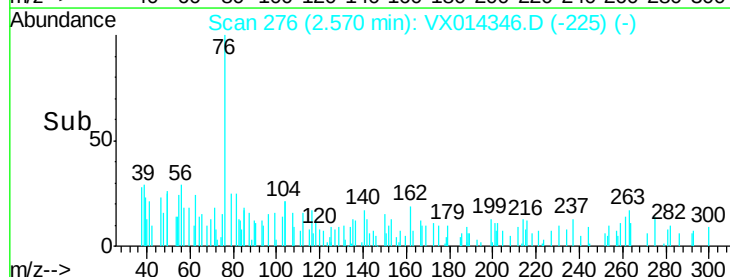
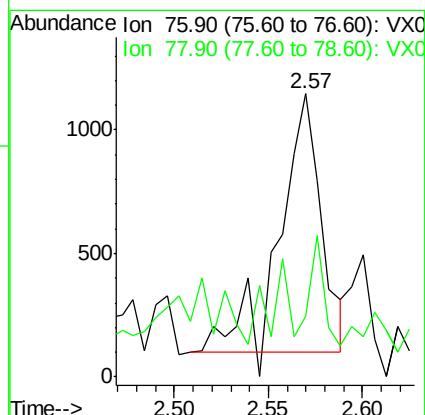
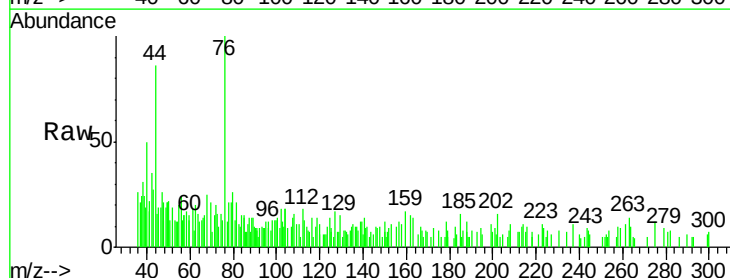
Acq: 30 Dec 2019 11:32

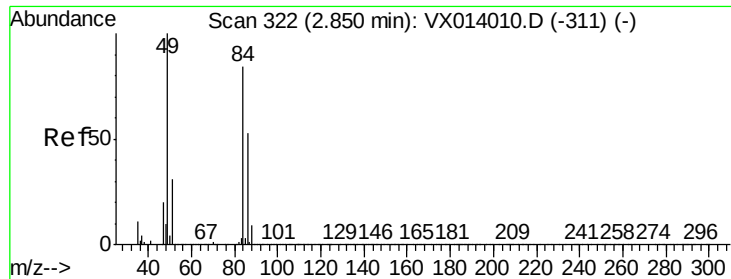
Tgt Ion: 76 Resp: 1606

Ion Ratio Lower Upper

76 100

78 11.1 7.2 10.8#

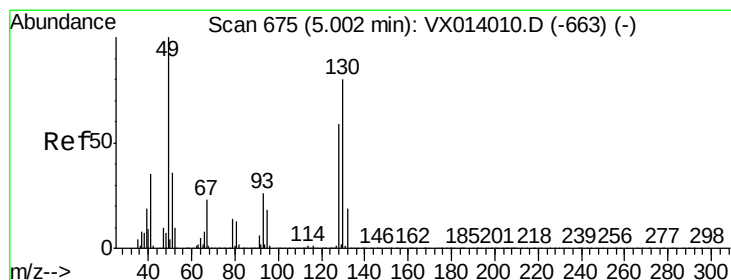
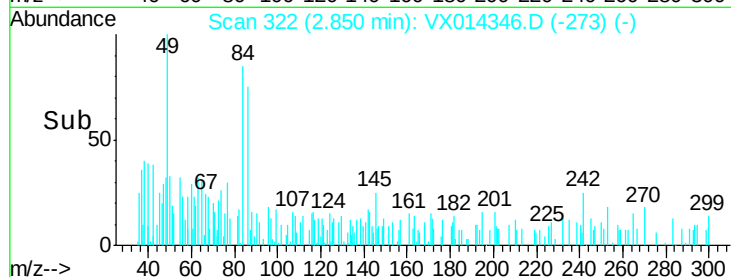
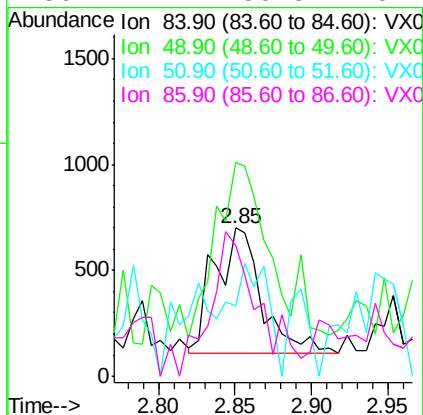
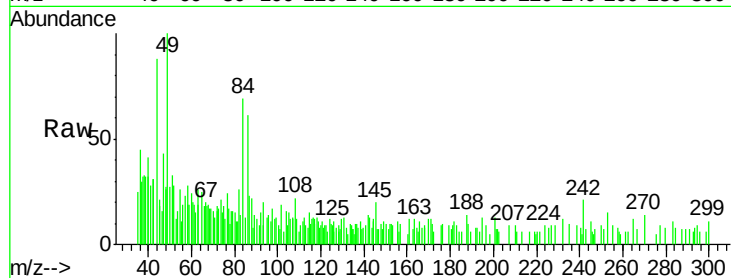




#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014346.D
Acq: 30 Dec 2019 11:32

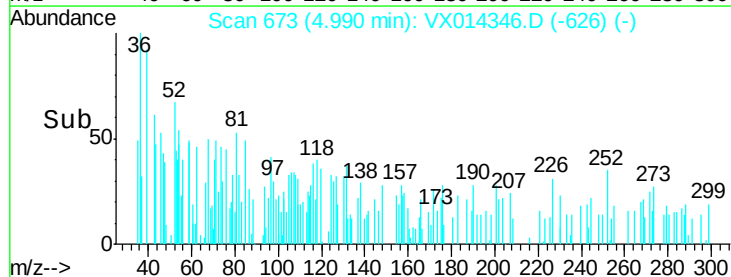
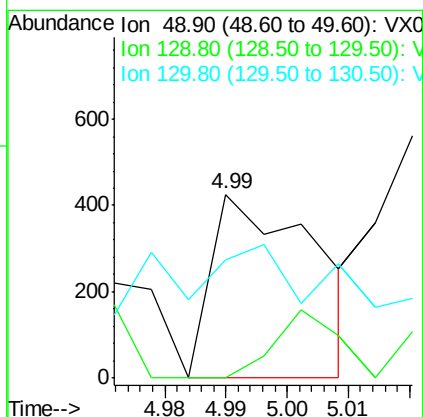
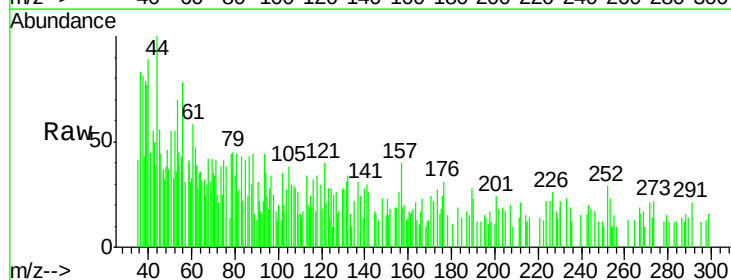
Instrument :
MSVOA_X
ClientSampleId :
VX1230WBL02

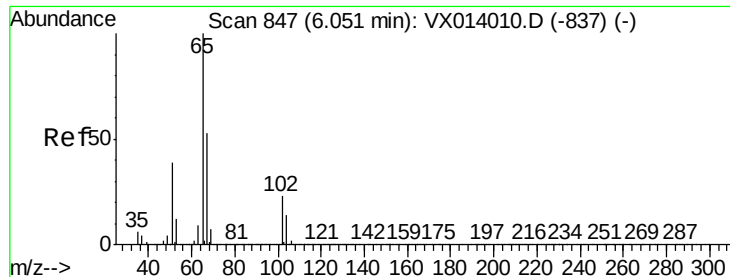
Tot Ion:	84	Resp:	1287
Ion	Ratio	Lower	Upper
84	100		
49	138.9	95.8	143.6
51	15.2	29.8	44.8#
86	74.7	50.8	76.2



#28
Bromochloromethane
Concen: 0.578 ug/l
RT: 4.99 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX014346.D
Acq: 30 Dec 2019 11:32

Tgt Ion:	49	Resp:	500
Ion	Ratio	Lower	Upper
49	100		
129	22.6	0.0	5.0#
130	141.0	64.6	97.0#

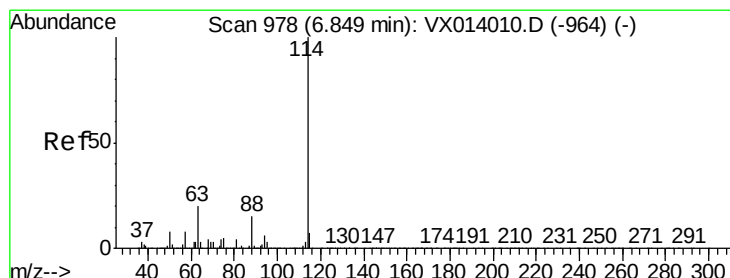
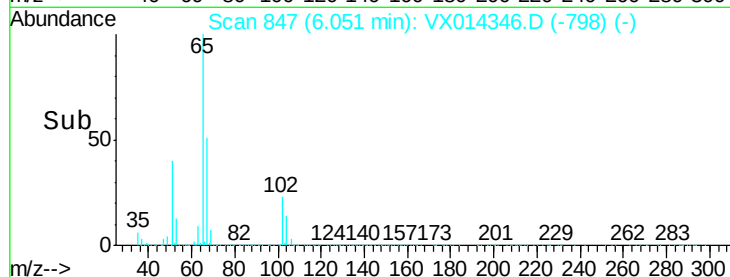
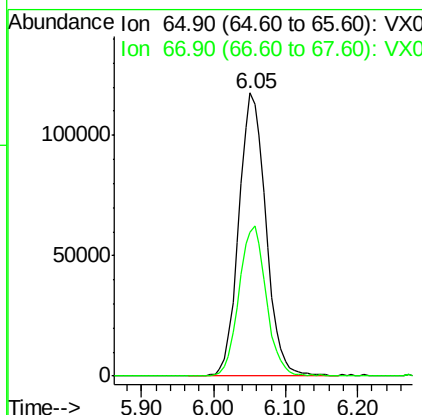
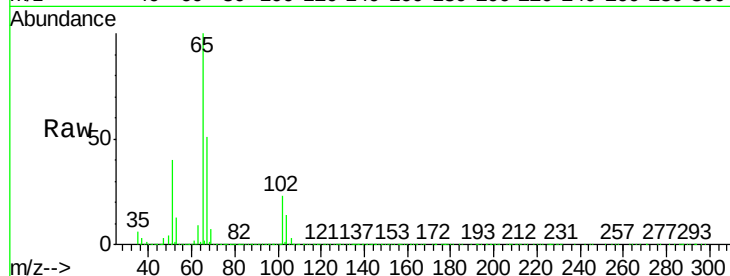




#33
 1,2-Dichloroethane-d4
 Concen: 49.694 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014346.D
 Acq: 30 Dec 2019 11:32

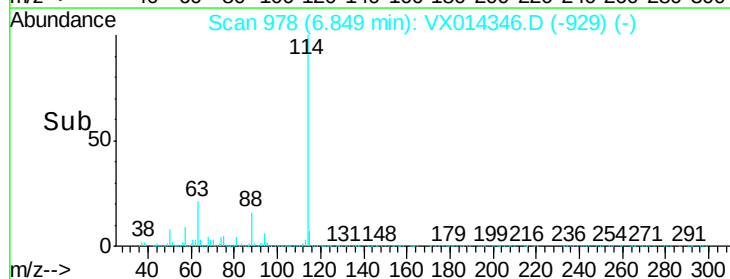
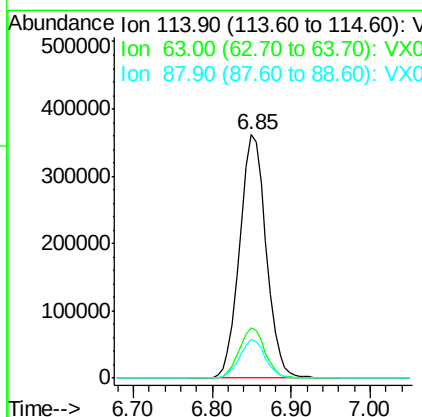
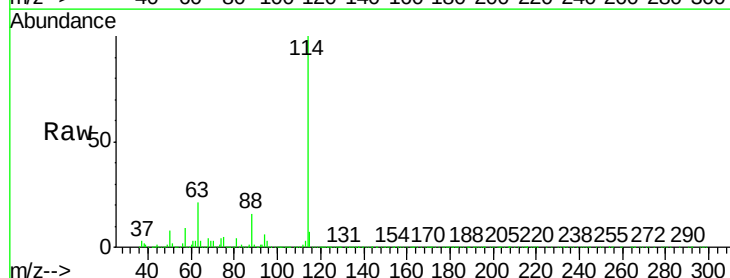
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBL02

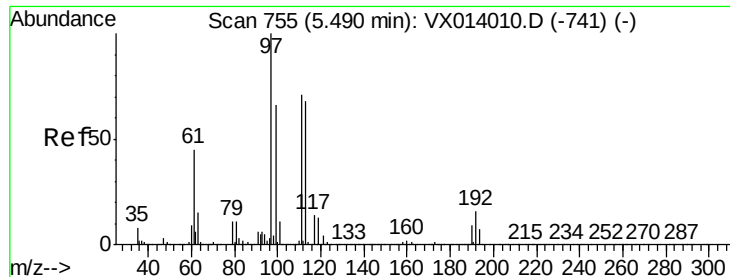
Tot Ion: 65 Resp: 305647
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014346.D
 Acq: 30 Dec 2019 11:32

Tgt Ion: 114 Resp: 845249
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 15.9 0.0 30.4

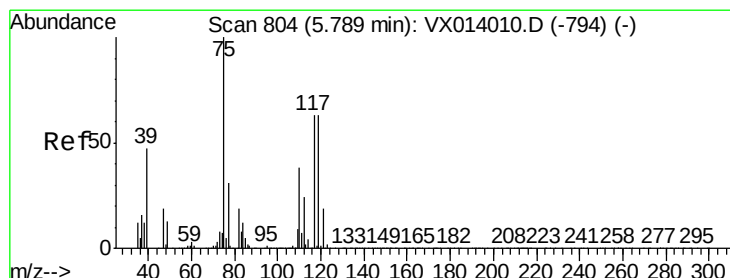
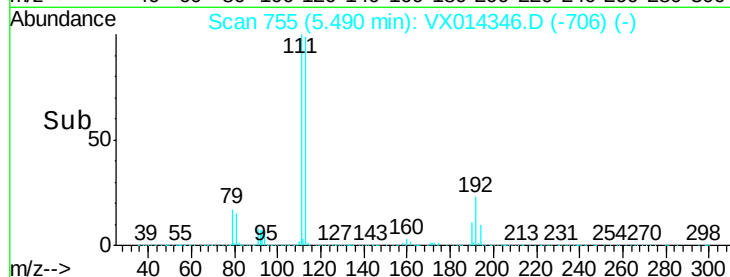
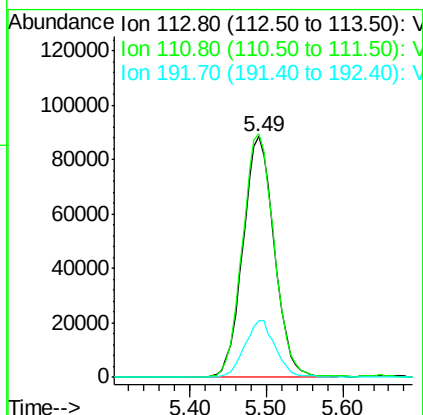
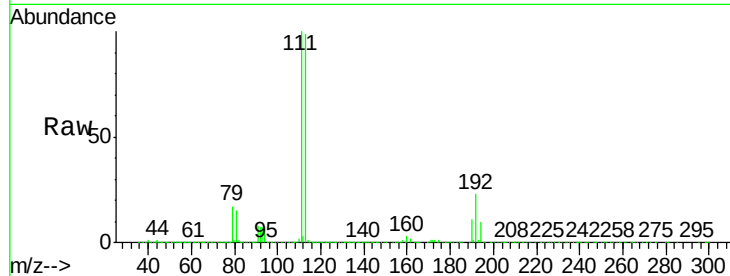




#35
Dibromofluoromethane
Concen: 49.052 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014346.D
Acq: 30 Dec 2019 11:32

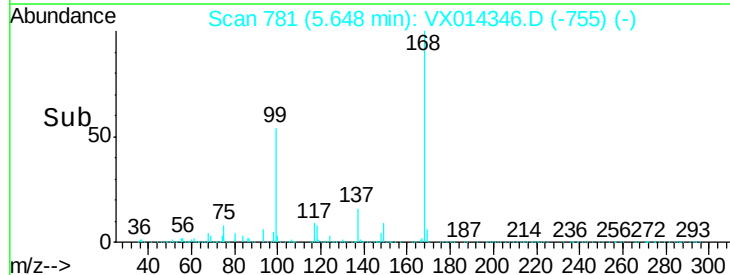
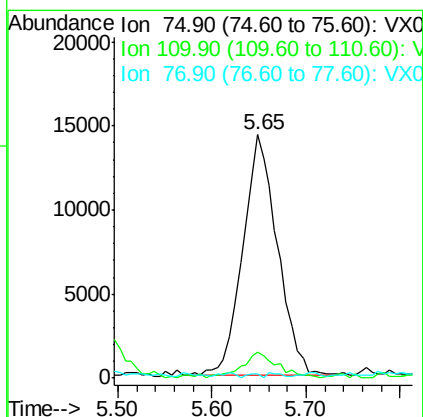
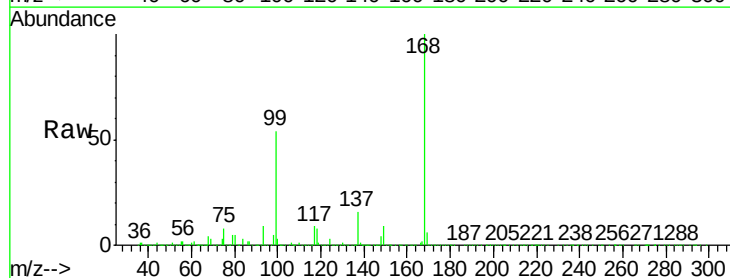
Instrument :
MSVOA_X
ClientSampleId :
VX1230WBL02

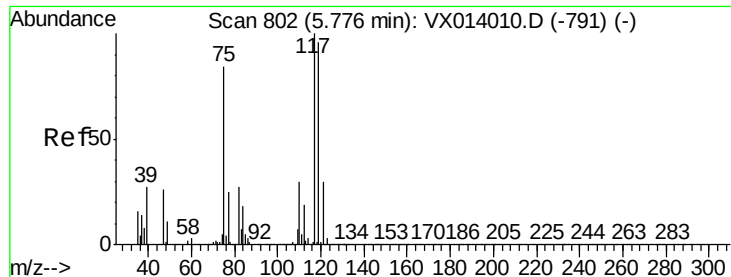
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	23.4	19.3	28.9



#36
1,1-Dichloropropene
Concen: 4.711 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX014346.D
Acq: 30 Dec 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.3	54.9#
77	0.7	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.889 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014346.D

Acq: 30 Dec 2019 11:32

Instrument :

MSVOA_X

ClientSampled :

VX1230WBL02

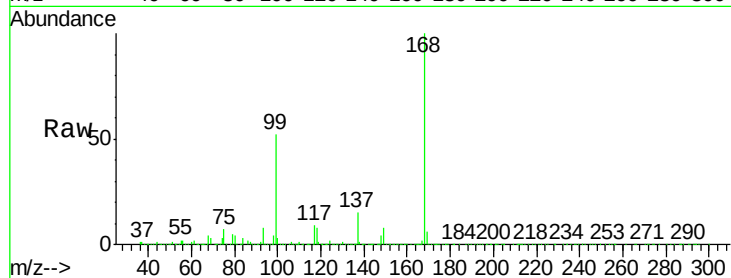
Tot Ion:117 Resp: 48671

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.4#

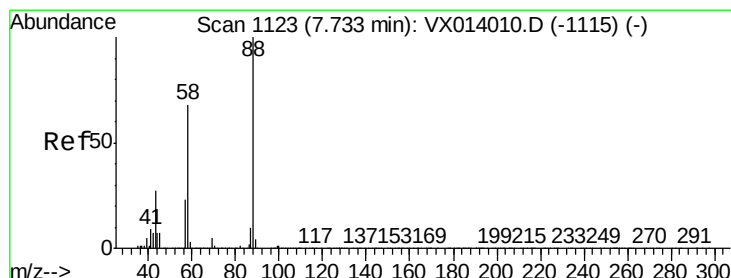
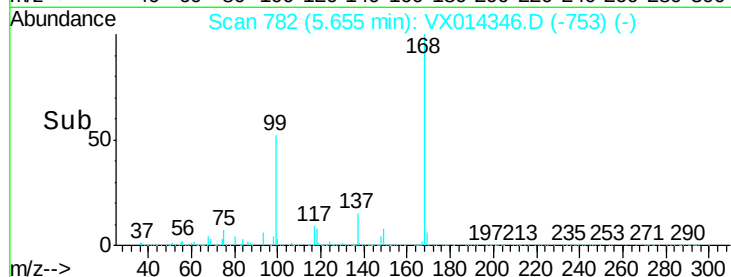
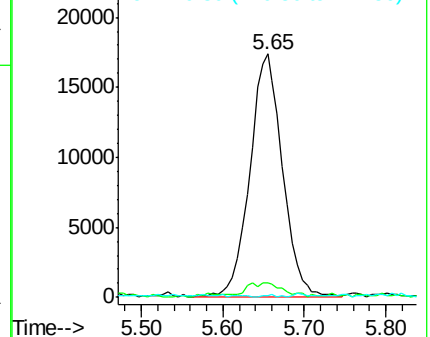
121 0.0 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 2.740 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014346.D

Acq: 30 Dec 2019 11:32

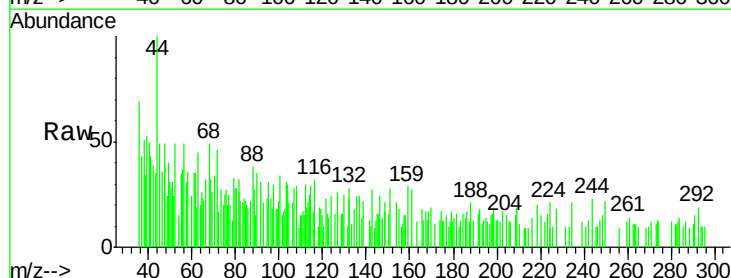
Tgt Ion: 88 Resp: 387

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

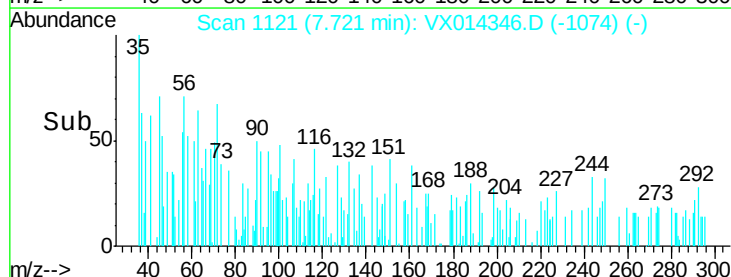
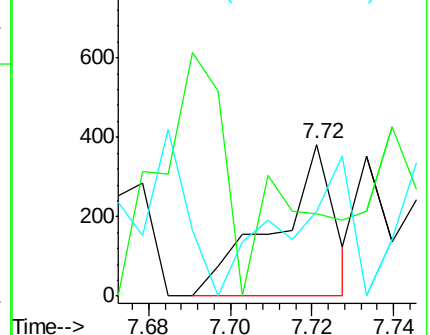
58 98.2 56.8 85.2#

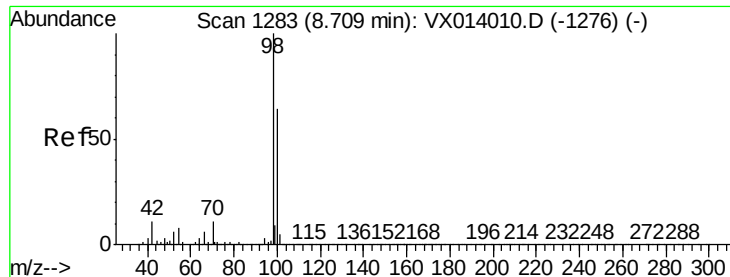


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.535 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014346.D

Acq: 30 Dec 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

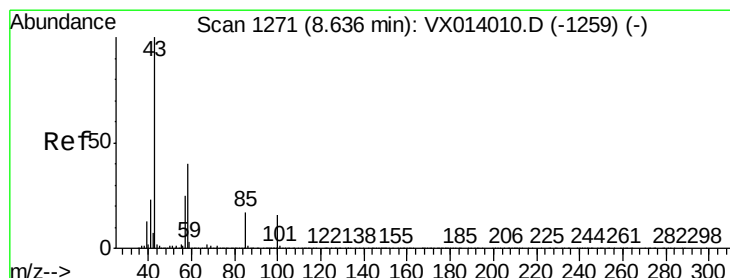
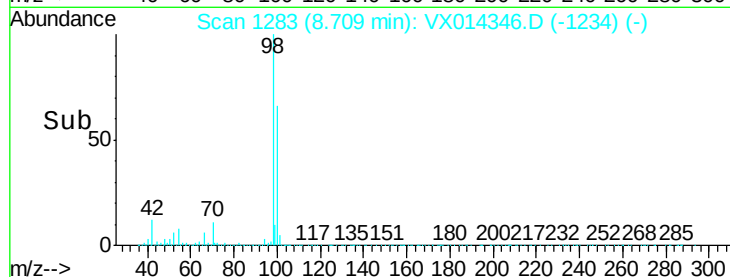
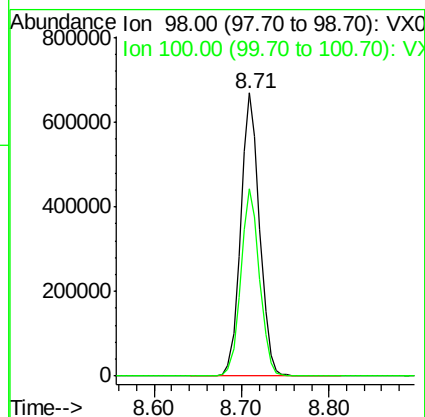
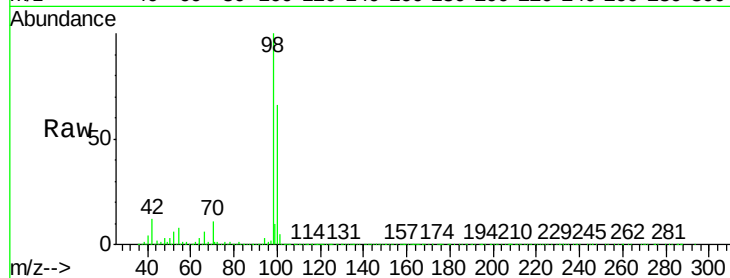
VX1230WBL02

Tot Ion: 98 Resp: 1010905

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.314 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX014346.D

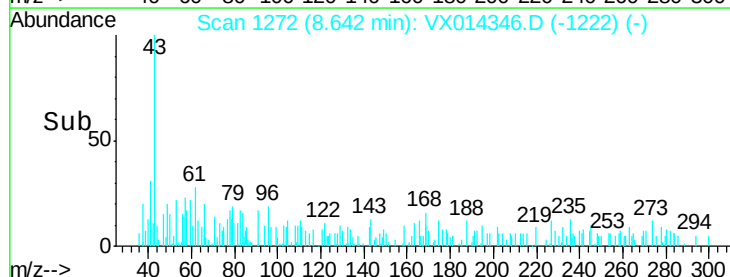
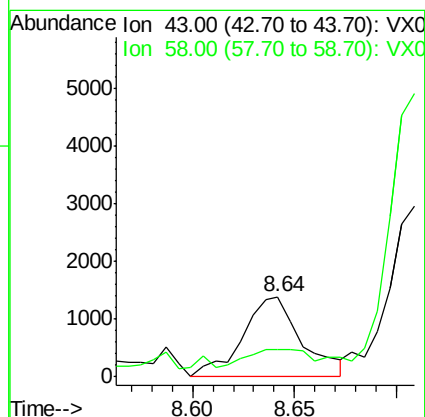
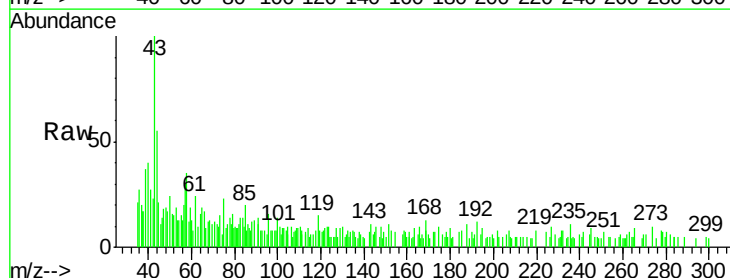
Acq: 30 Dec 2019 11:32

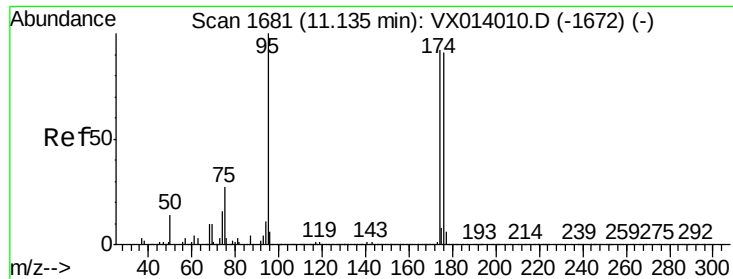
Tgt Ion: 43 Resp: 2792

Ion Ratio Lower Upper

43 100

58 30.9 32.2 48.2#





#62

4-Bromofluorobenzene

Concen: 46.403 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014346.D

Acq: 30 Dec 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBL02

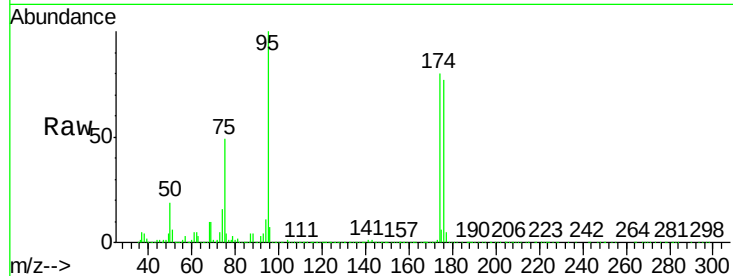
Tot Ion: 95 Resp: 339316

Ion Ratio Lower Upper

95 100

174 87.4 0.0 175.8

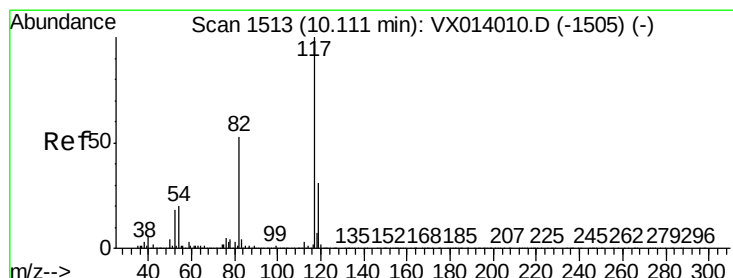
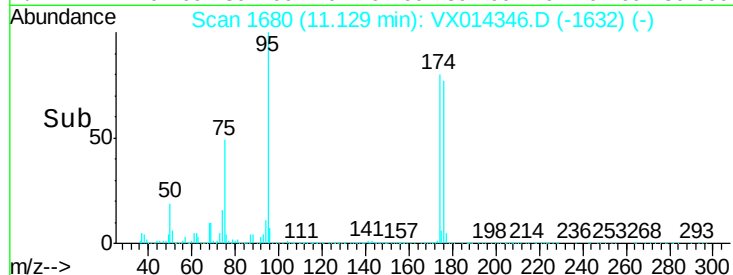
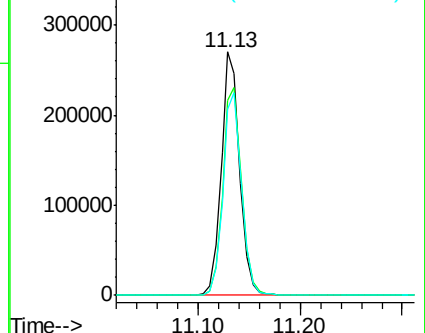
176 84.2 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014346.D

Acq: 30 Dec 2019 11:32

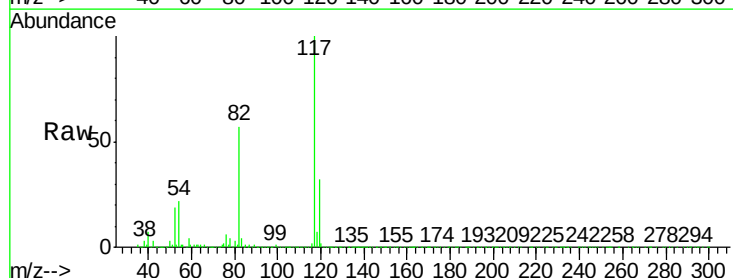
Tgt Ion: 117 Resp: 756220

Ion Ratio Lower Upper

117 100

82 56.7 42.2 63.4

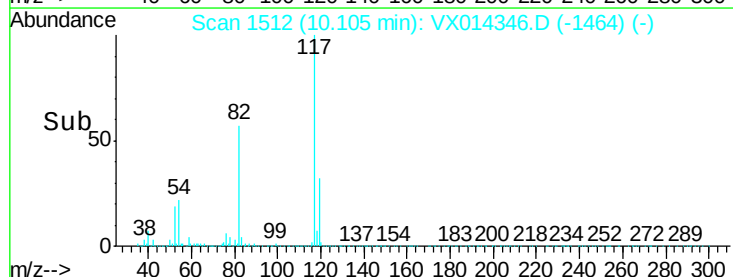
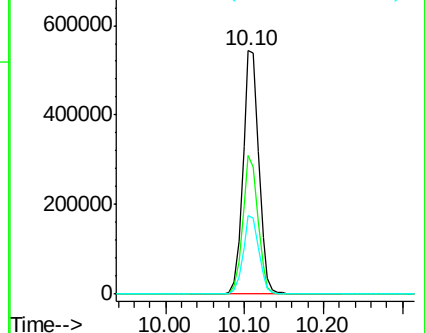
119 32.3 25.1 37.7

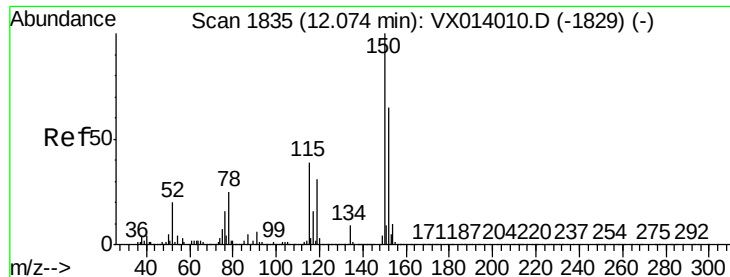


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

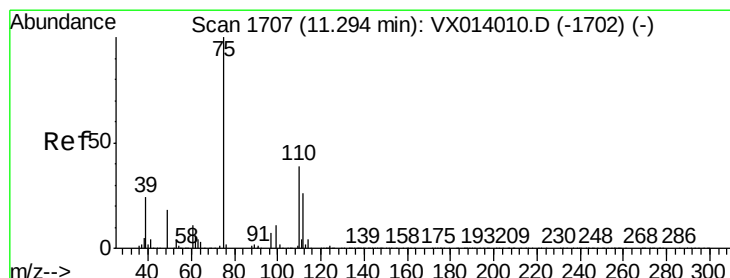
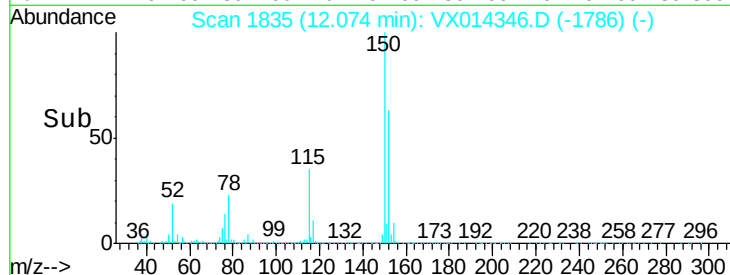
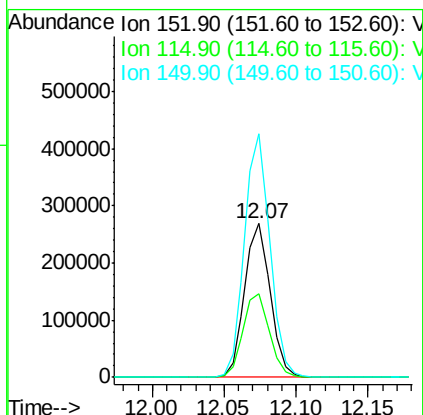
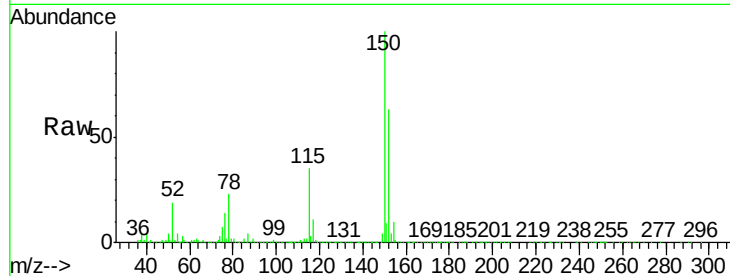




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014346.D
 Acq: 30 Dec 2019 11:32

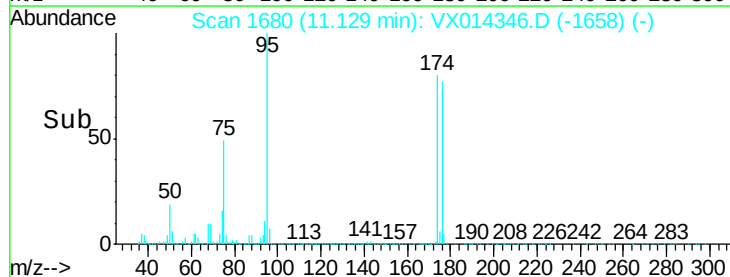
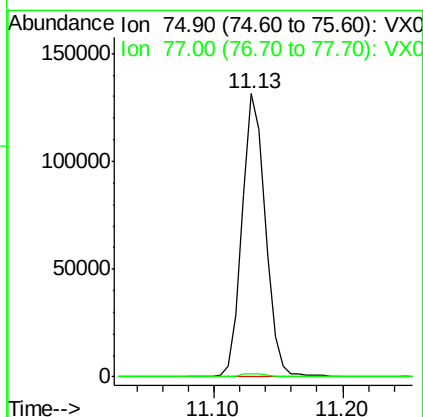
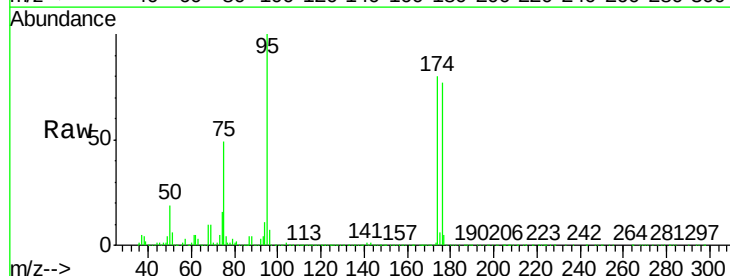
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBL02

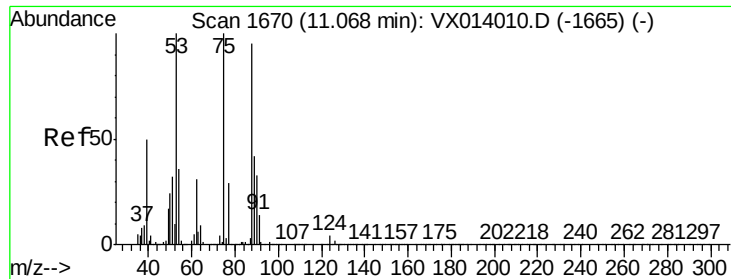
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	38.3	114.9
150	157.4	0.0	345.4



#76
 1,2,3-Trichloropropane
 Concen: 22.766 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014346.D
 Acq: 30 Dec 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.3	57.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.227 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014346.D

Acq: 30 Dec 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBL02

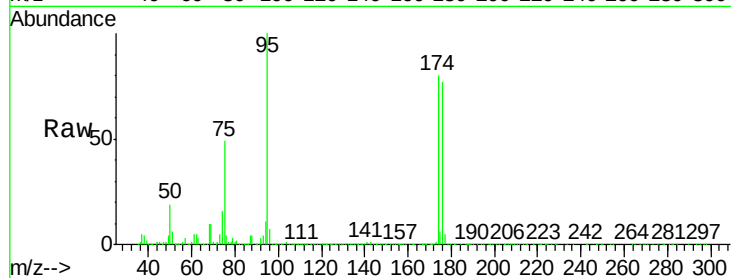
Tot Ion: 75 Resp: 163769

Ion Ratio Lower Upper

75 100

53 0.5 76.7 115.1#

89 0.2 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

