

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121819\
 Data File : VX014092.D
 Acq On : 18 Dec 2019 13:28
 Operator : JC/SP
 Sample : K6251-09DL50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20191206DL

Quant Time: Dec 18 16:18:14 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	566562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	865805	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	771041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	336686	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	314563	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	5.49	113	260913	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.71	98	1028680	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.14	95	343935	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	

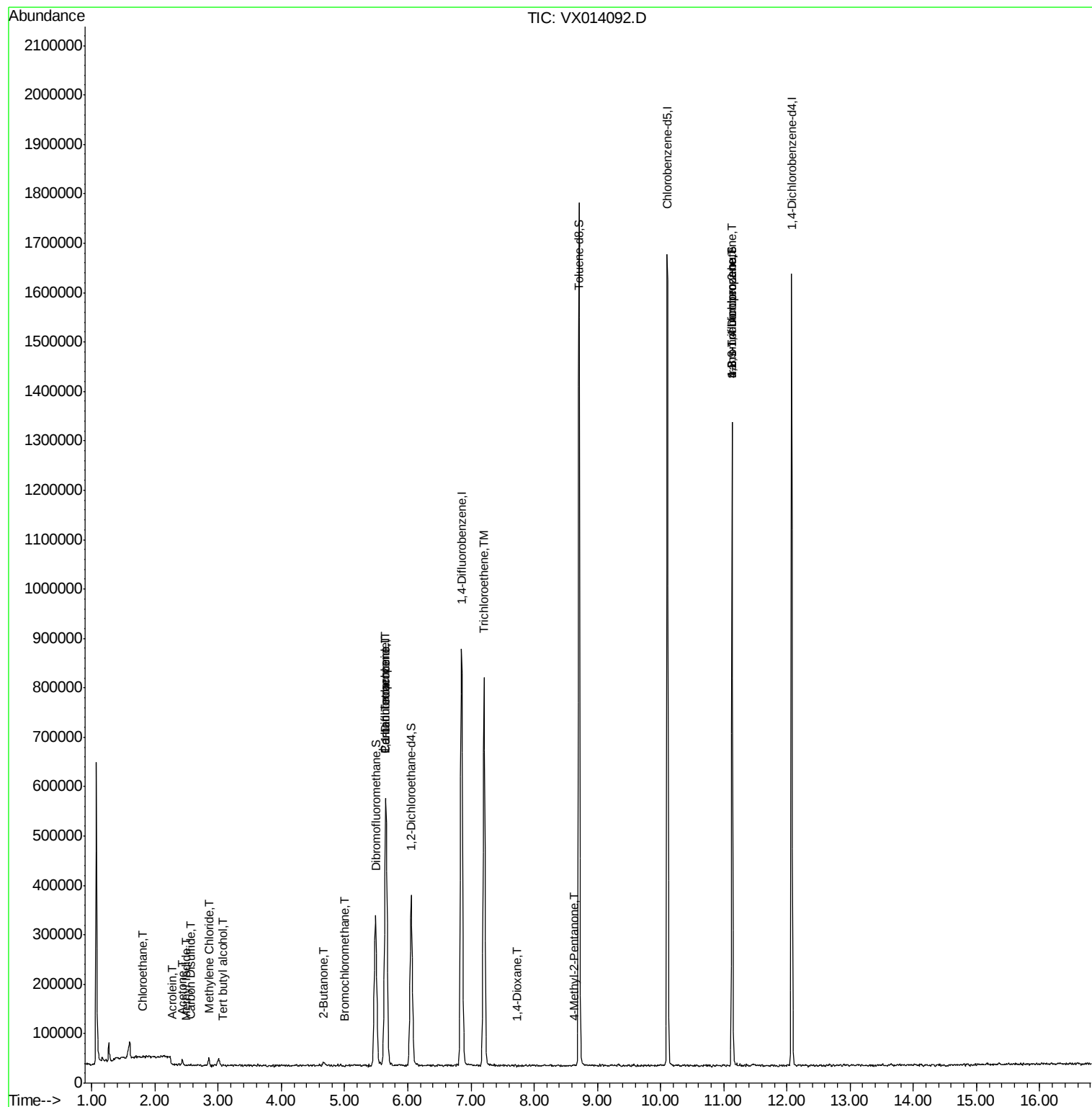
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.81	64	1457	0.329	ug/l #	52
10) Methyl Iodide	2.50	142	686	2.713	ug/l #	25
11) Tert butyl alcohol	3.08	59	375	0.270	ug/l #	1
13) Acrolein	2.28	56	522	0.657	ug/l #	14
16) Acetone	2.43	43	11935	2.863	ug/l	99
17) Carbon Disulfide	2.57	76	1093	0.821	ug/l #	35
20) Methylene Chloride	2.85	84	6735	1.026	ug/l	94
25) 2-Butanone	4.67	43	4196	0.816	ug/l	97
28) Bromochloromethane	5.00	49	317	0.529	ug/l #	48
36) 1,1-Dichloropropene	5.65	75	40083	5.046	ug/l #	49
38) Carbon Tetrachloride	5.65	117	48575	6.712	ug/l #	16
44) Trichloroethene	7.21	130	313090	46.373	ug/l	99
49) 1,4-Dioxane	7.73	88	405	2.799	ug/l #	32
51) 4-Methyl-2-Pentanone	8.64	43	2653	0.291	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	169962	23.253	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	169962	65.631	ug/l #	11

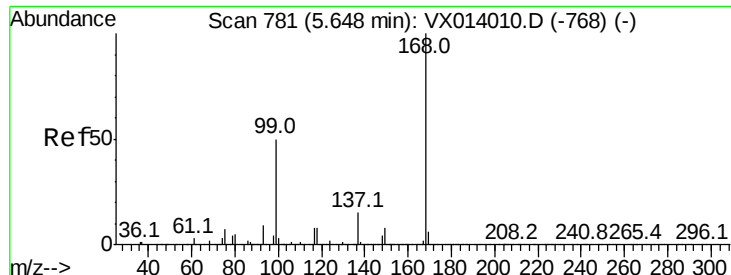
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121819\
Data File : VX014092.D
Acq On : 18 Dec 2019 13:28
Operator : JC/SP
Sample : K6251-09DL50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20191206DL

Quant Time: Dec 18 16:18:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
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: VX014092.D

Acq: 18 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

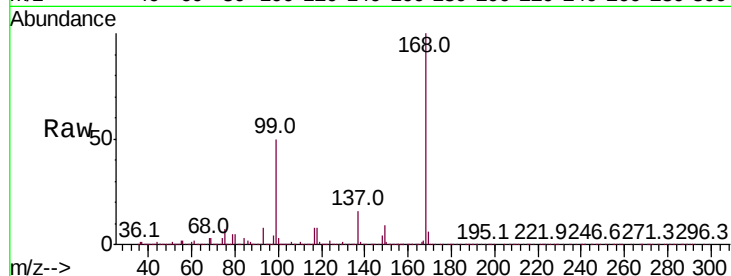
RE108D2-20191206DL

Tot Ion:168 Resp: 566562

Ion Ratio Lower Upper

168 100

99 50.3 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

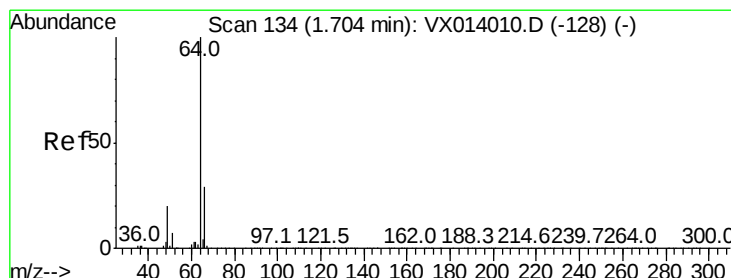
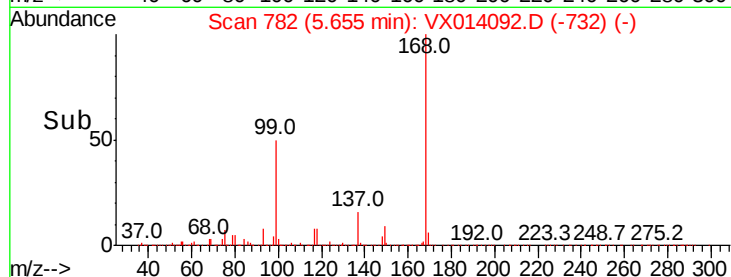
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.329 ug/l

RT: 1.81 min Scan# 151

Delta R.T. 0.10 min

Lab File: VX014092.D

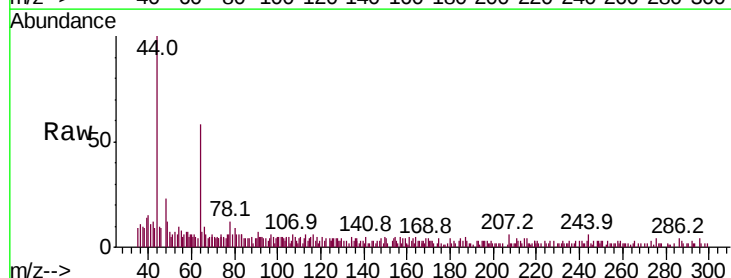
Acq: 18 Dec 2019 13:28

Tgt Ion: 64 Resp: 1457

Ion Ratio Lower Upper

64 100

66 3.4 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.81

2500

2000

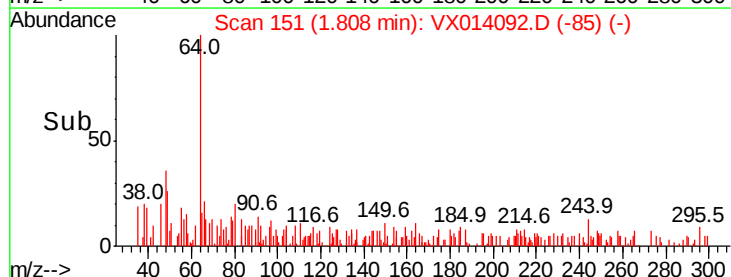
1500

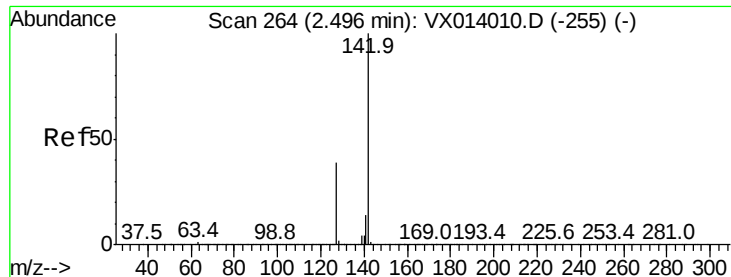
1000

500

0

Time-->

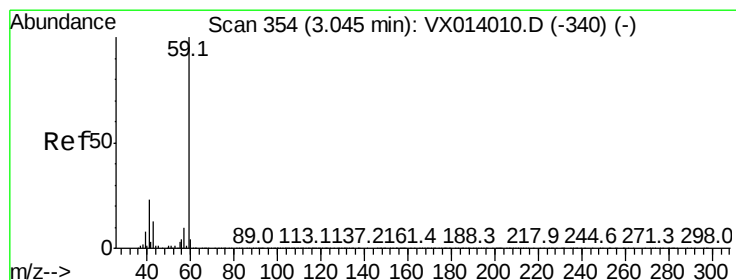
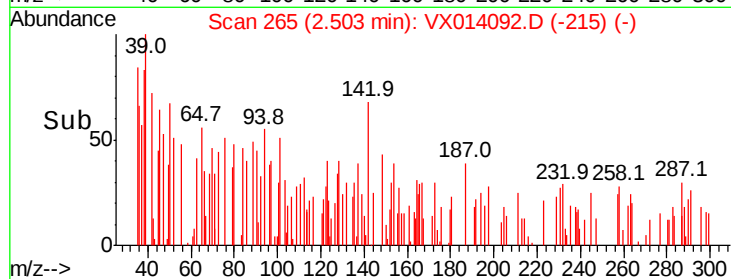
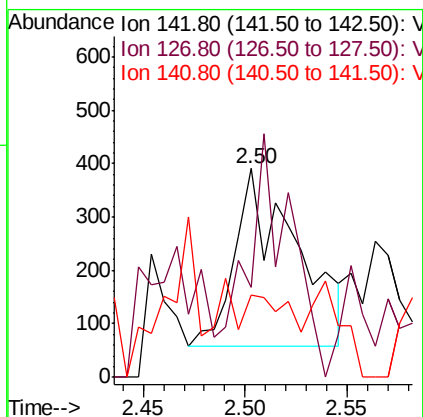
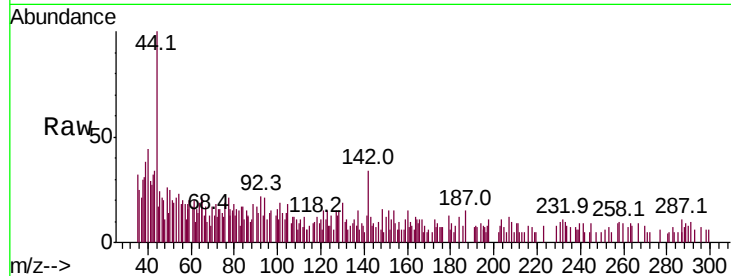




#10
Methyl Iodide
Concen: 2.713 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX014092.D
Acq: 18 Dec 2019 13:28

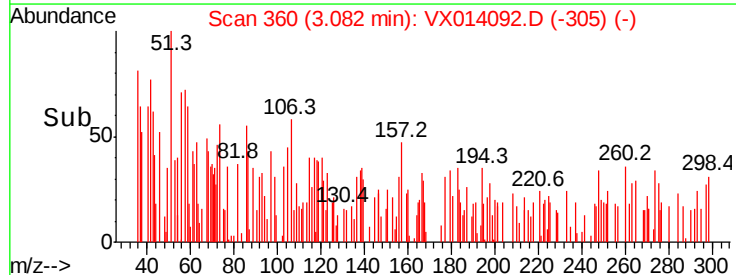
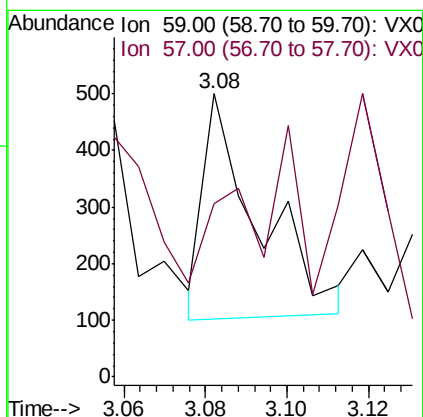
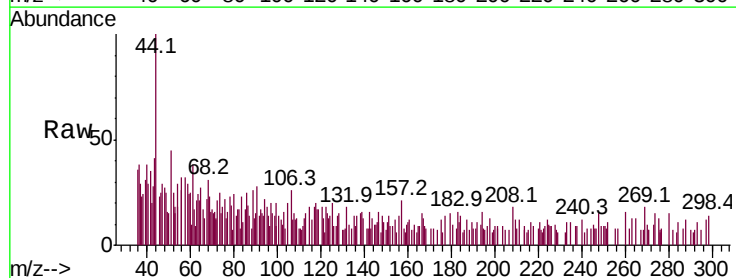
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20191206DL

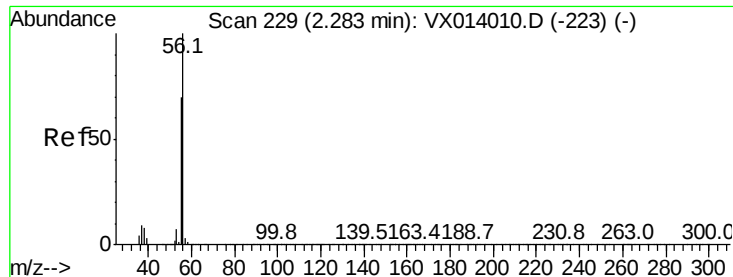
Tot Ion:142 Resp: 686
Ion Ratio Lower Upper
142 100
127 97.7 31.6 47.4#
141 5.4 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.270 ug/l
RT: 3.08 min Scan# 360
Delta R.T. 0.04 min
Lab File: VX014092.D
Acq: 18 Dec 2019 13:28

Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 52.3 8.4 12.6#

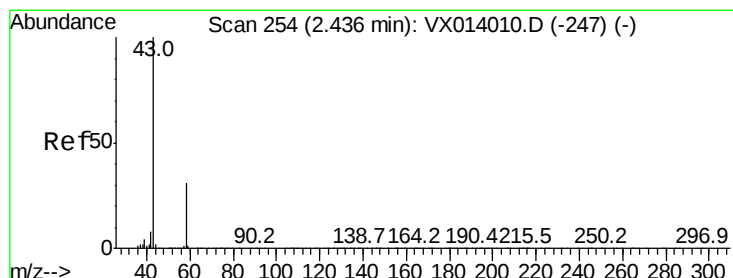
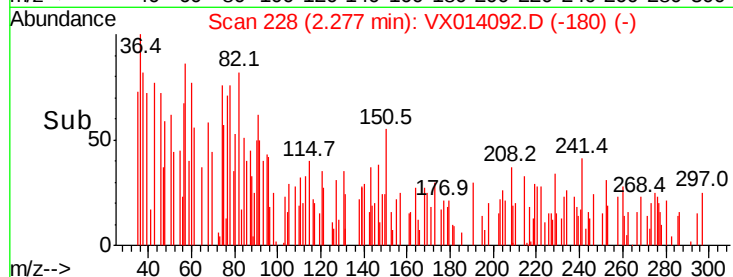
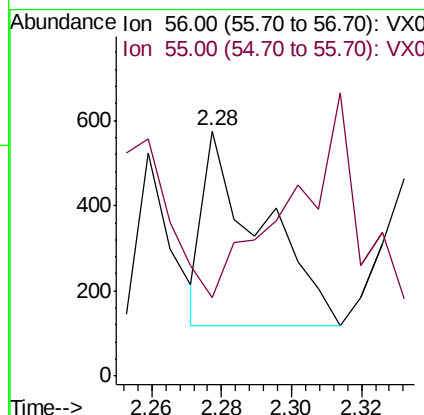
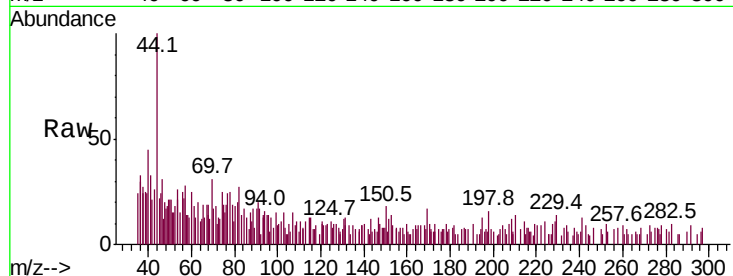




#13
Acrolein
Concen: 0.657 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014092.D
Acq: 18 Dec 2019 13:28

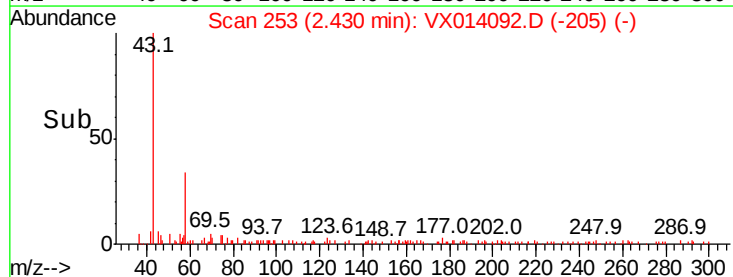
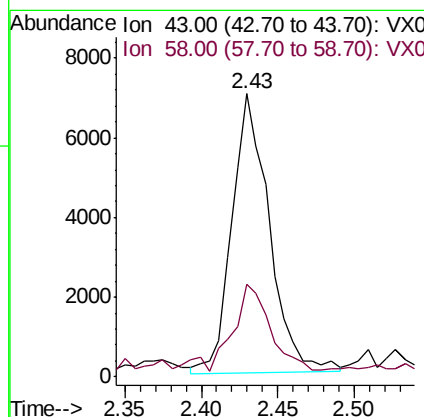
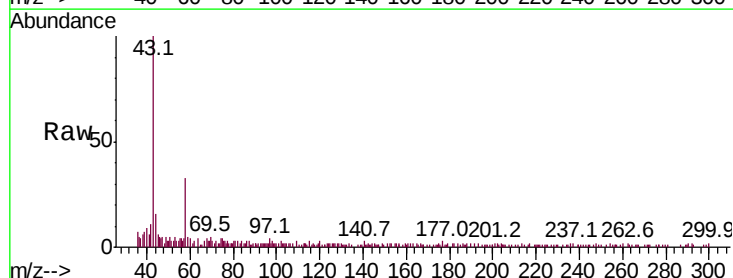
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20191206DL

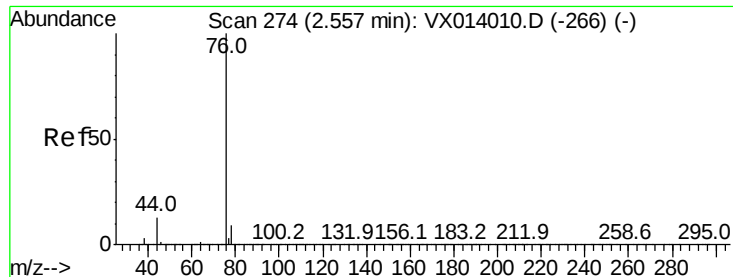
Tot Ion: 56 Resp: 522
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 2.863 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014092.D
Acq: 18 Dec 2019 13:28

Tgt Ion: 43 Resp: 11935
Ion Ratio Lower Upper
43 100
58 30.8 24.9 37.3

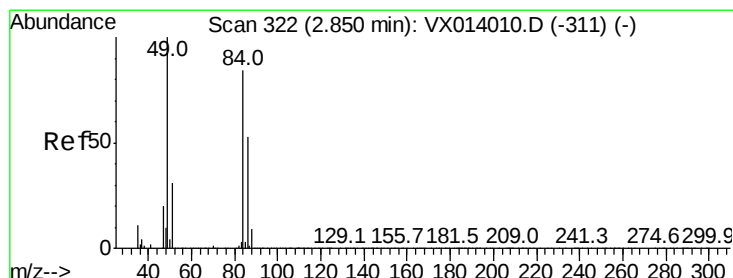
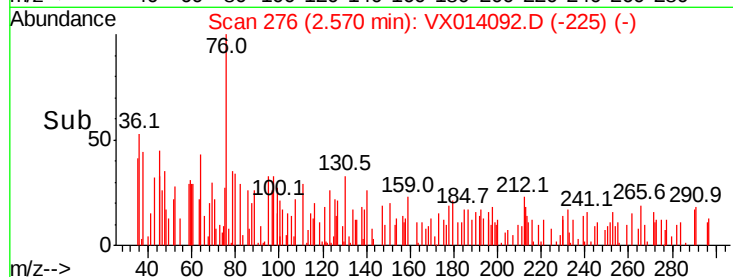
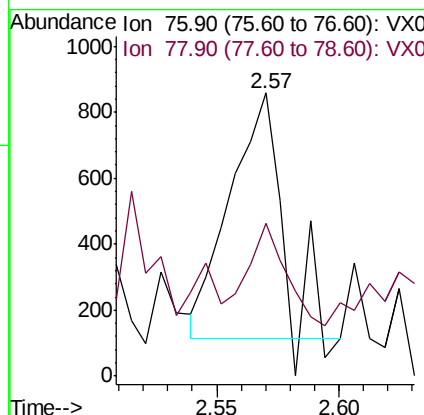
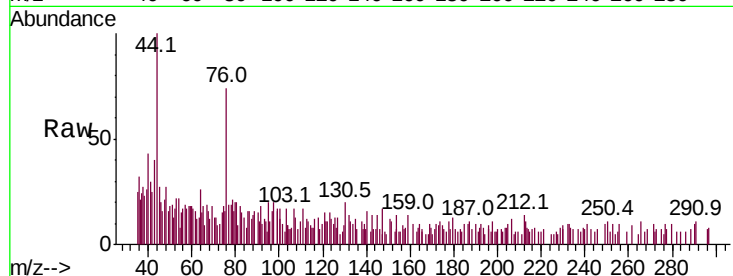




#17
Carbon Disulfide
Concen: 0.821 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.01 min
Lab File: VX014092.D
Acq: 18 Dec 2019 13:28

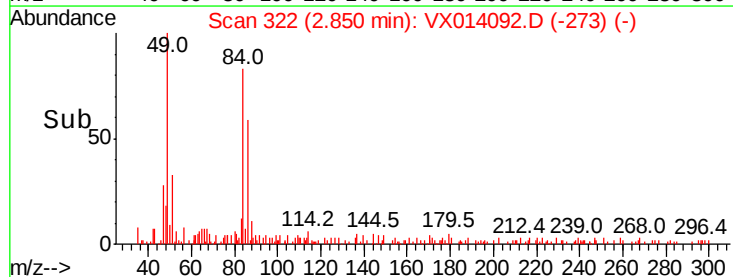
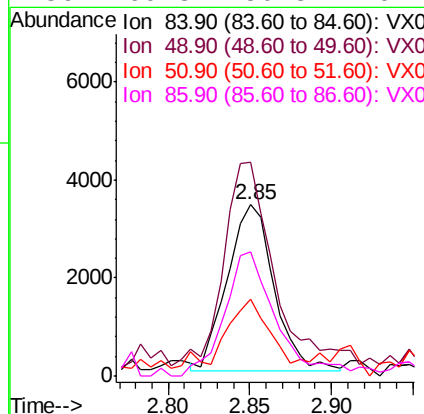
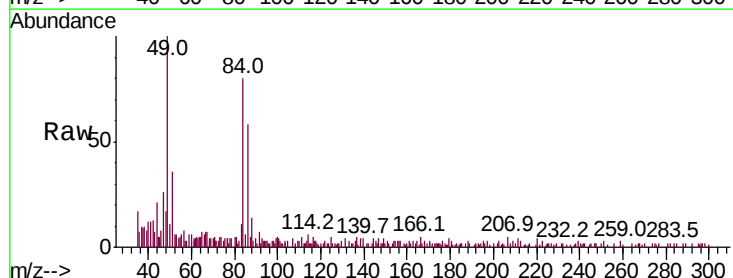
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20191206DL

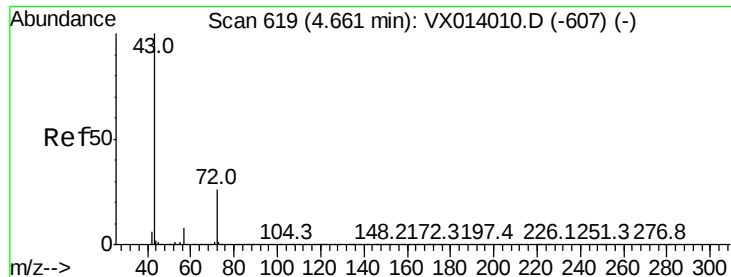
Tot Ion: 76 Resp: 1093
Ion Ratio Lower Upper
76 100
78 32.6 7.2 10.8#



#20
Methylene Chloride
Concen: 1.026 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014092.D
Acq: 18 Dec 2019 13:28

Tgt Ion: 84 Resp: 6735
Ion Ratio Lower Upper
84 100
49 115.6 95.8 143.6
51 32.5 29.8 44.8
86 69.3 50.8 76.2





#25

2-Butanone

Concen: 0.816 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX014092.D

Acq: 18 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

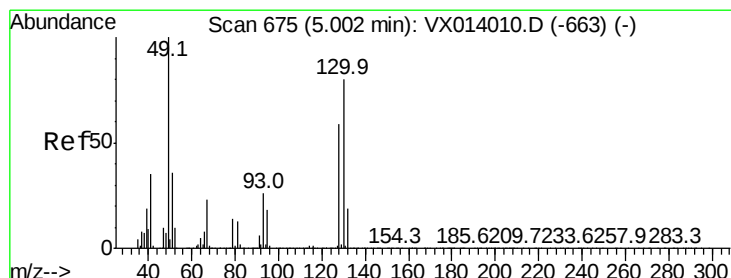
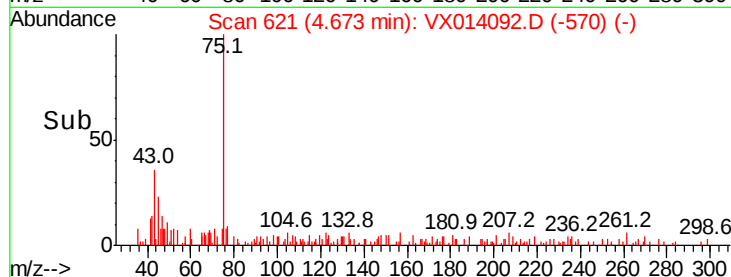
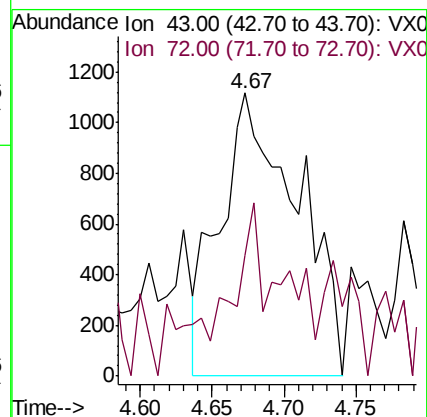
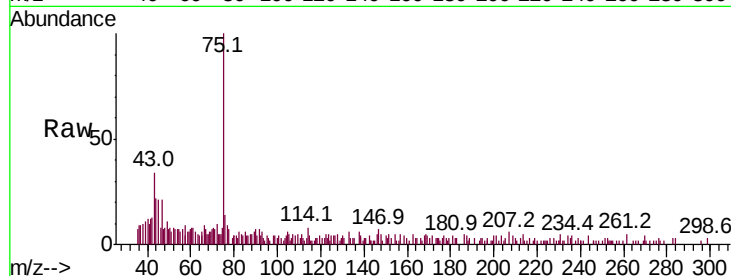
RE108D2-20191206DL

Tot Ion: 43 Resp: 4196

Ion Ratio Lower Upper

43 100

72 24.5 21.0 31.4



#28

Bromochloromethane

Concen: 0.529 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014092.D

Acq: 18 Dec 2019 13:28

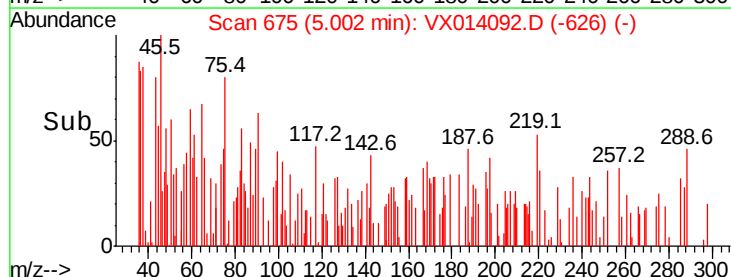
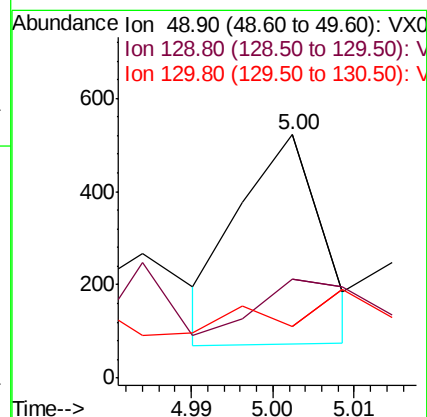
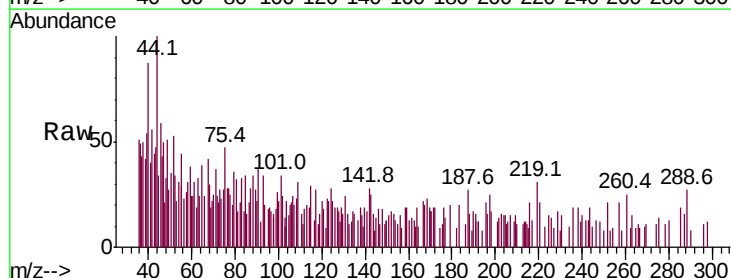
Tgt Ion: 49 Resp: 317

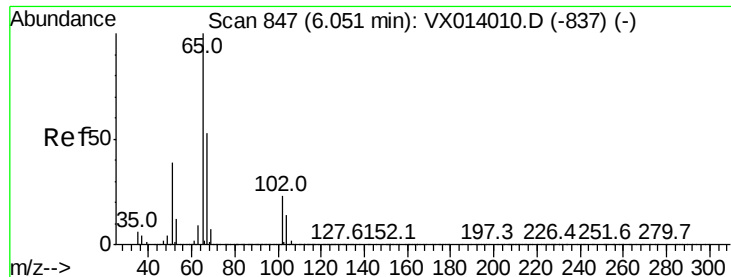
Ion Ratio Lower Upper

49 100

129 90.9 0.0 5.0#

130 40.4 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 48.988 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014092.D

Acq: 18 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

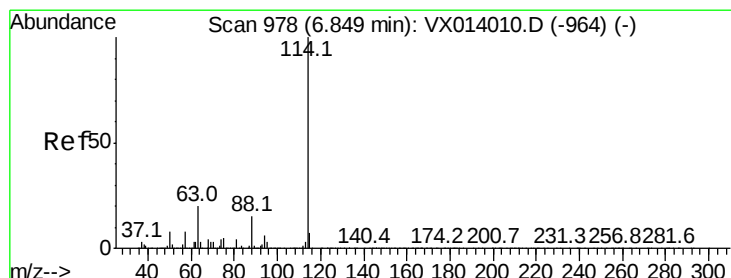
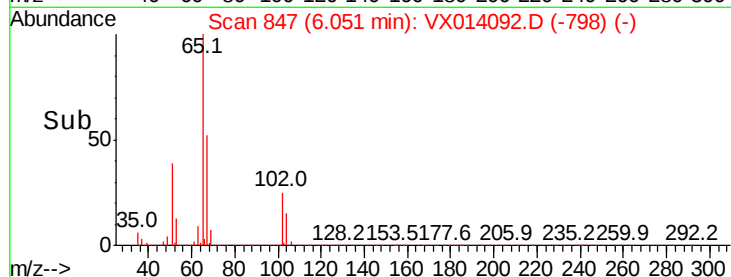
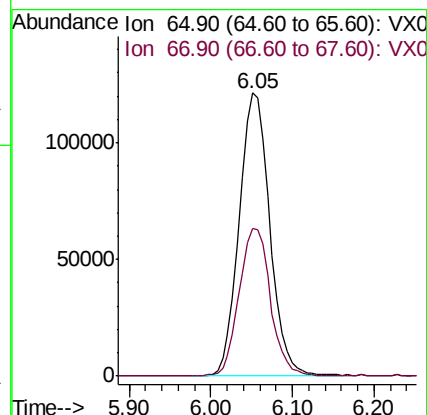
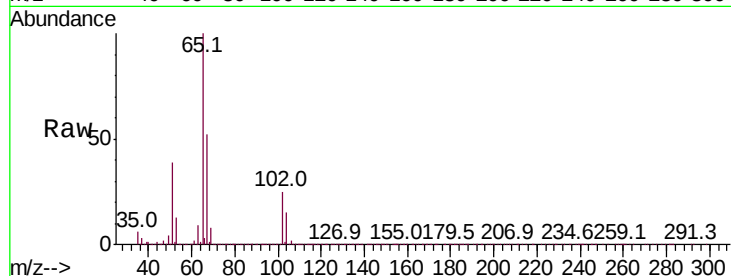
RE108D2-20191206DL

Tot Ion: 65 Resp: 314563

Ion Ratio Lower Upper

65 100

67 53.6 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: VX014092.D

Acq: 18 Dec 2019 13:28

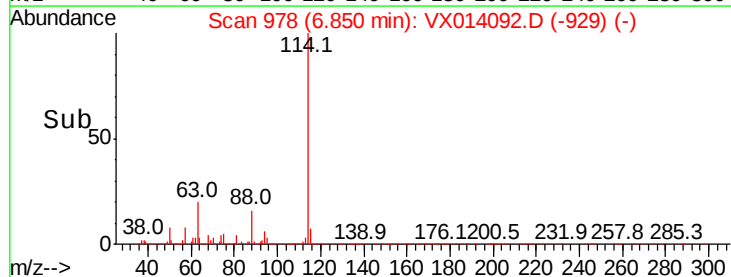
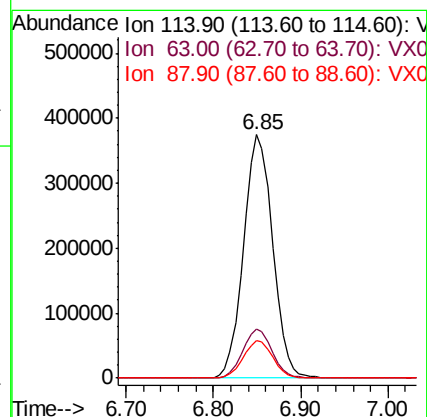
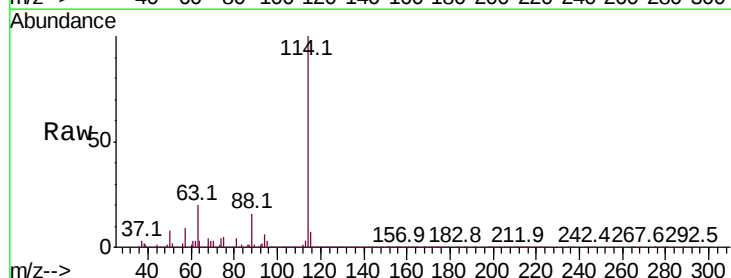
Tgt Ion: 114 Resp: 865805

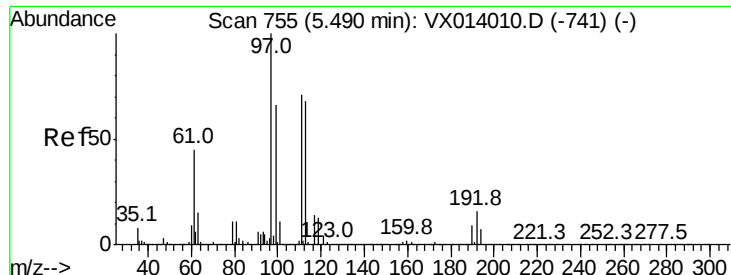
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.5 0.0 30.4

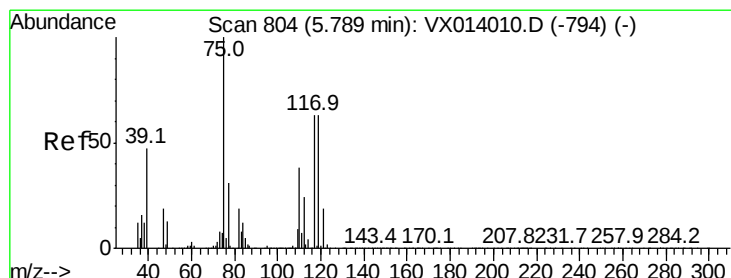
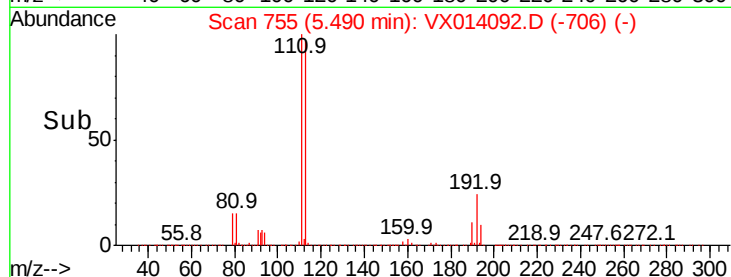
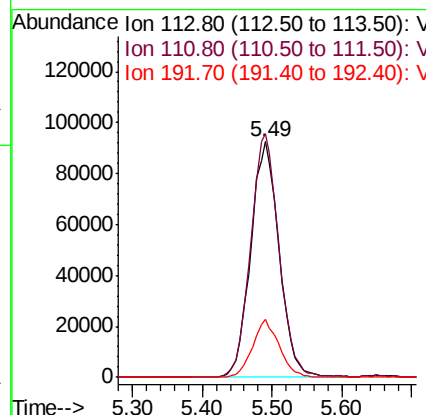
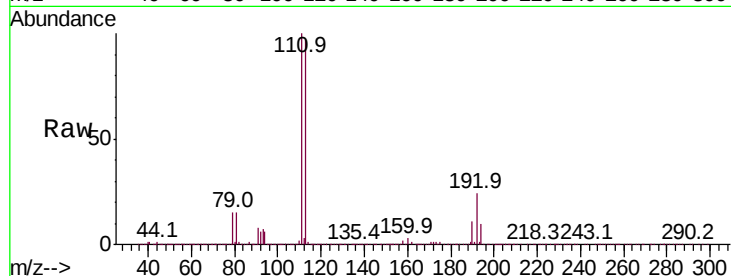




#35
Dibromofluoromethane
Concen: 49.574 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014092.D
Acq: 18 Dec 2019 13:28

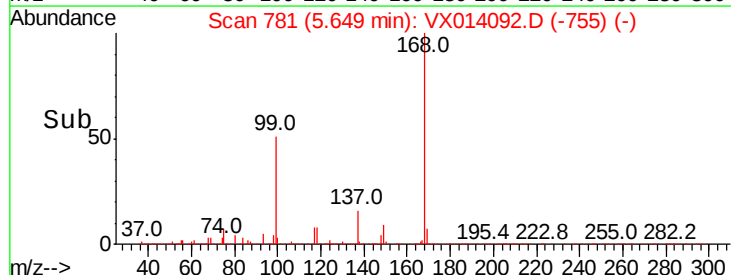
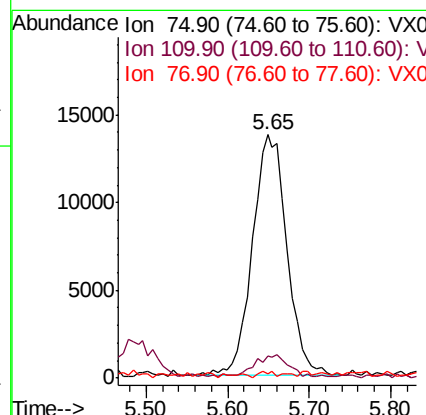
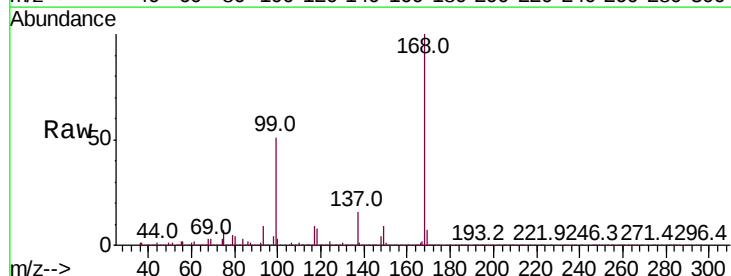
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20191206DL

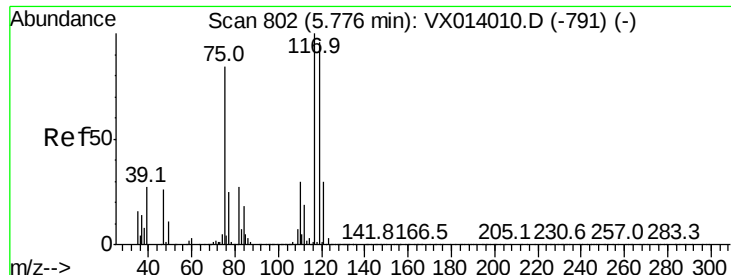
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	23.1	19.3	28.9



#36
1,1-Dichloropropene
Concen: 5.046 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX014092.D
Acq: 18 Dec 2019 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.3	54.9#
77	1.2	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.712 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014092.D

Acq: 18 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20191206DL

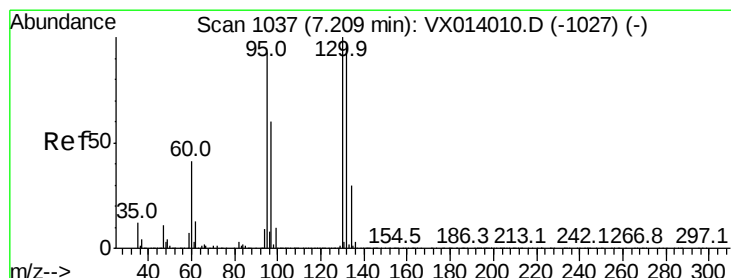
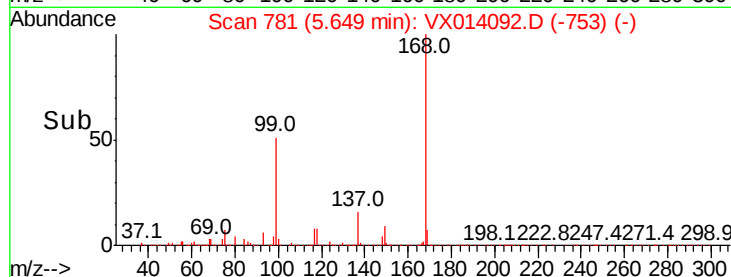
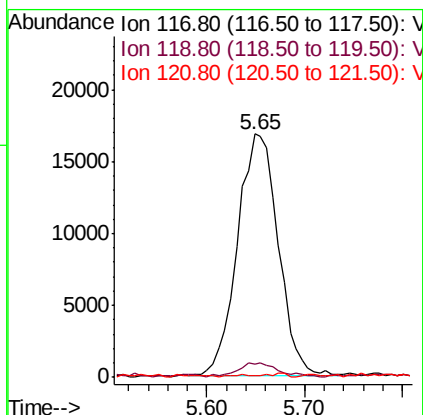
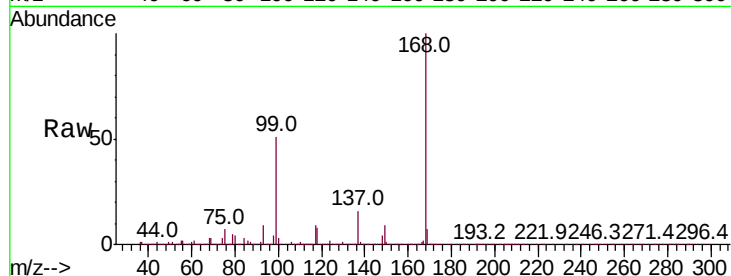
Tot Ion:117 Resp: 48575

Ion Ratio Lower Upper

117 100

119 3.9 76.2 114.4#

121 0.5 23.6 35.4#



#44

Trichloroethene

Concen: 46.373 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014092.D

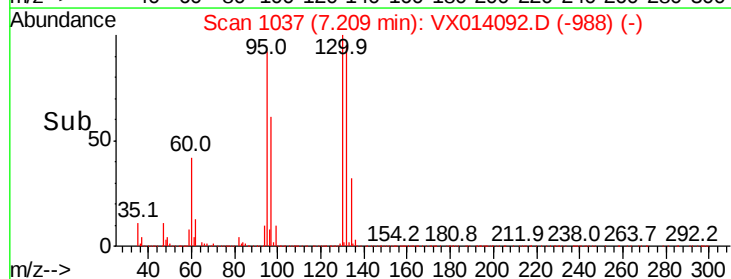
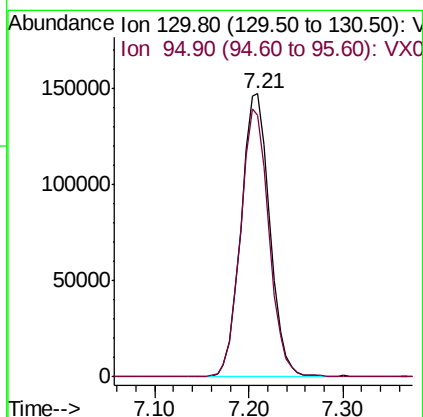
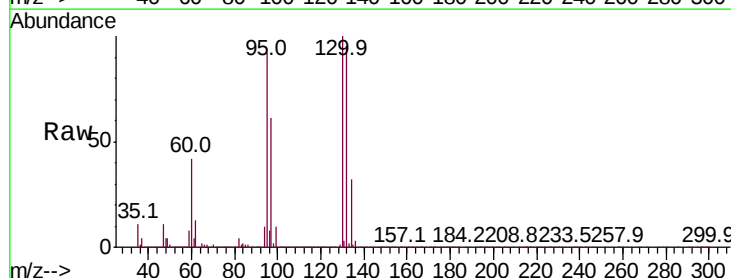
Acq: 18 Dec 2019 13:28

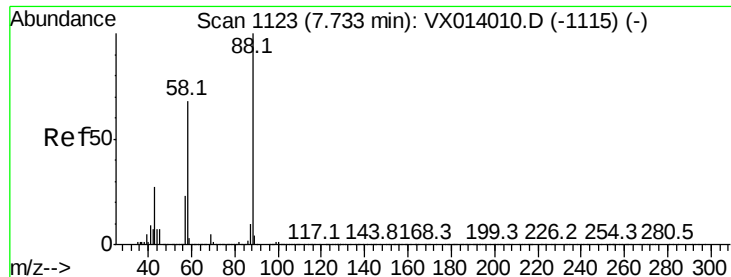
Tgt Ion:130 Resp: 313090

Ion Ratio Lower Upper

130 100

95 92.1 0.0 185.6





#49

1,4-Dioxane

Concen: 2.799 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014092.D

Acq: 18 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20191206DL

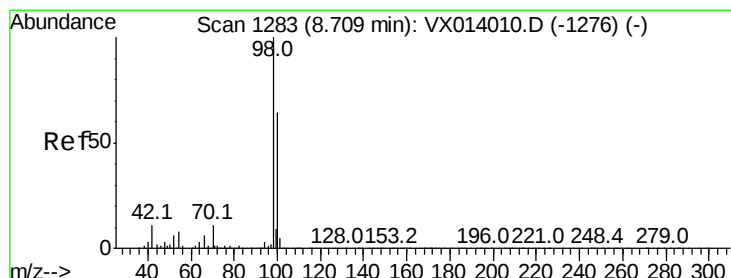
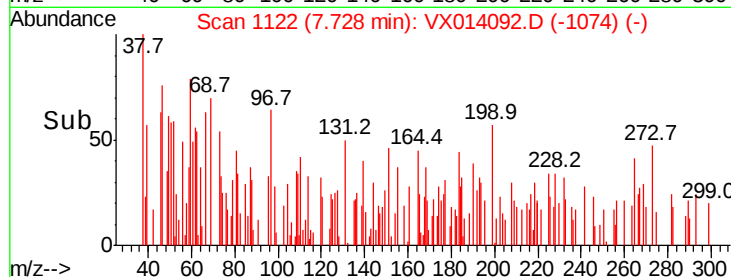
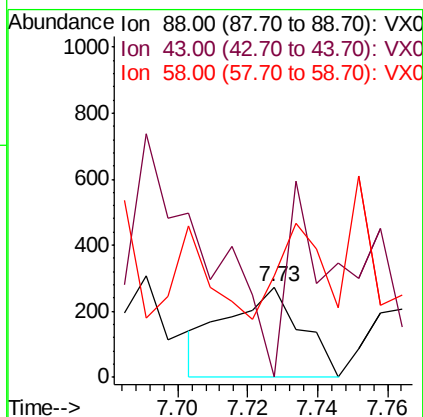
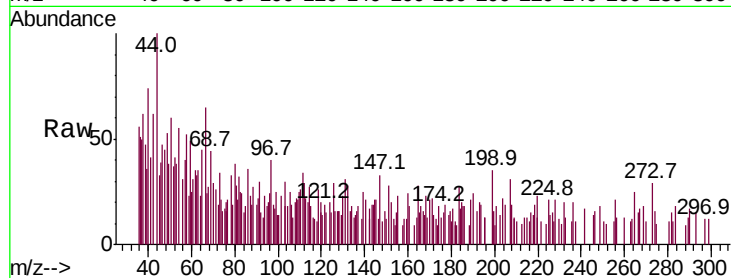
Tot Ion: 88 Resp: 405

Ion Ratio Lower Upper

88 100

43 137.8 26.5 39.7#

58 60.0 56.8 85.2



#50

Toluene-d8

Concen: 50.202 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014092.D

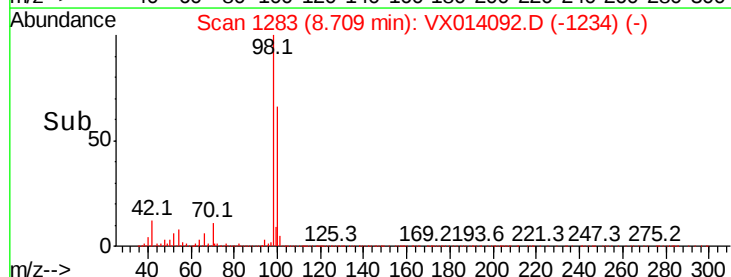
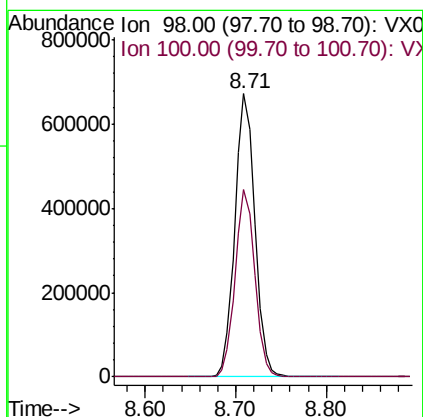
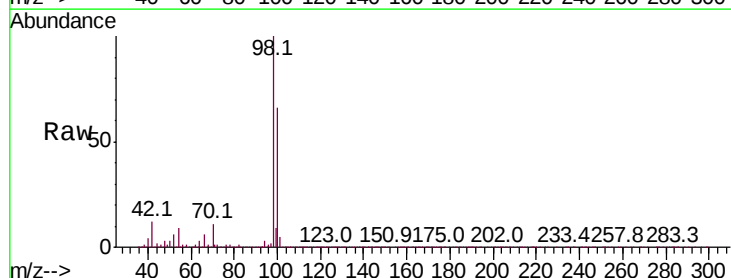
Acq: 18 Dec 2019 13:28

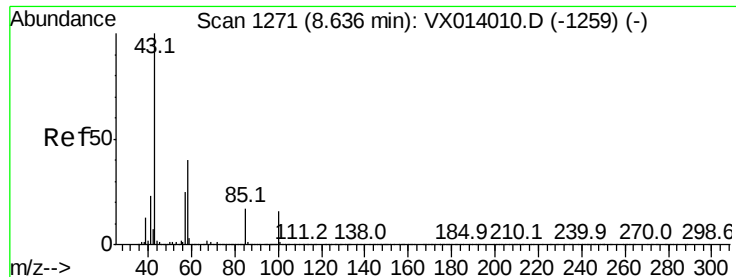
Tgt Ion: 98 Resp: 1028680

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.291 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014092.D

Acq: 18 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

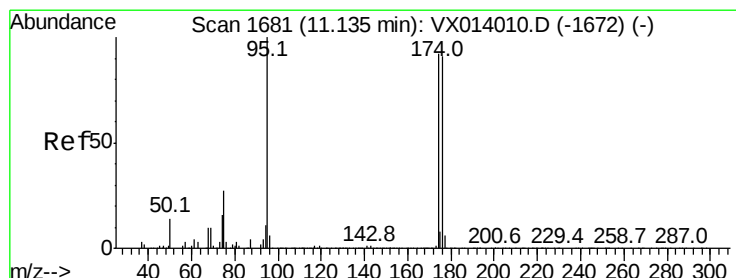
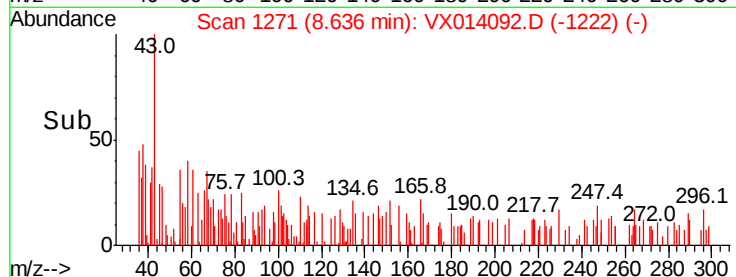
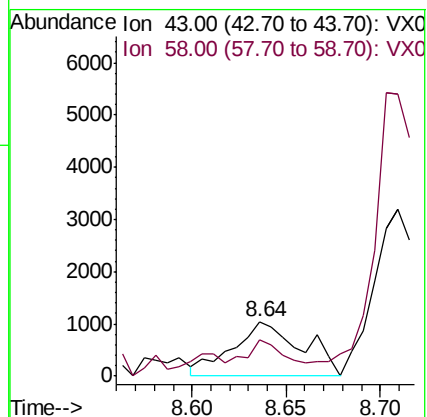
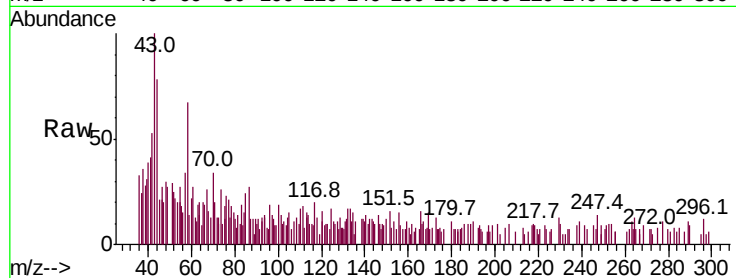
RE108D2-20191206DL

Tot Ion: 43 Resp: 2653

Ion Ratio Lower Upper

43 100

58 35.8 32.2 48.2



#62

4-Bromofluorobenzene

Concen: 45.918 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014092.D

Acq: 18 Dec 2019 13:28

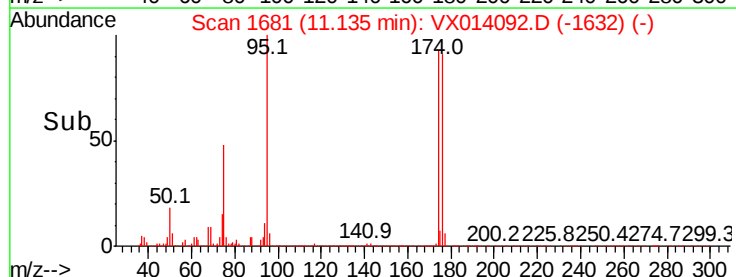
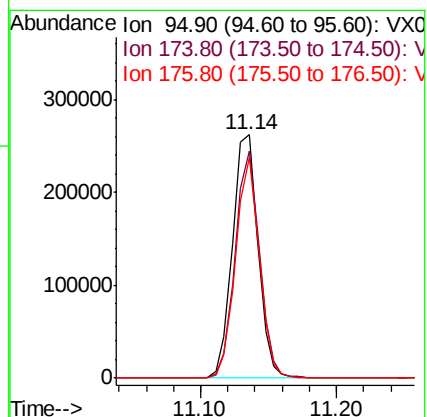
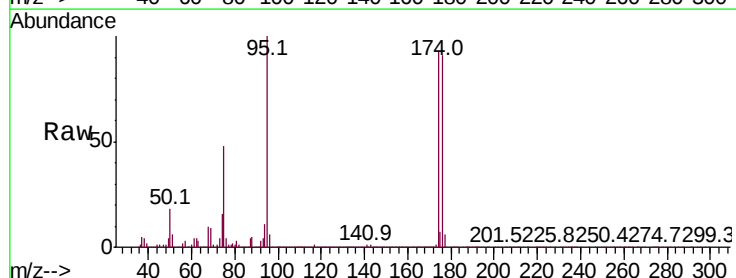
Tgt Ion: 95 Resp: 343935

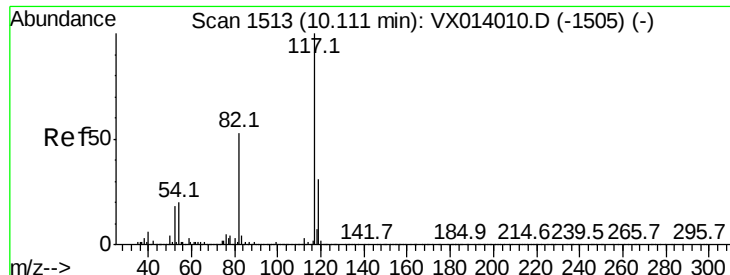
Ion Ratio Lower Upper

95 100

174 89.0 0.0 175.8

176 85.0 0.0 173.0

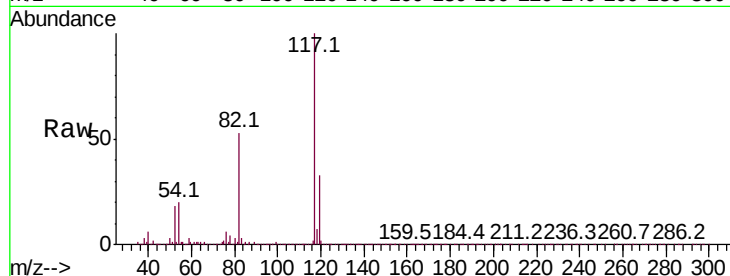




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014092.D
Acq: 18 Dec 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20191206DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.2	63.4
119	32.7	25.1	37.7

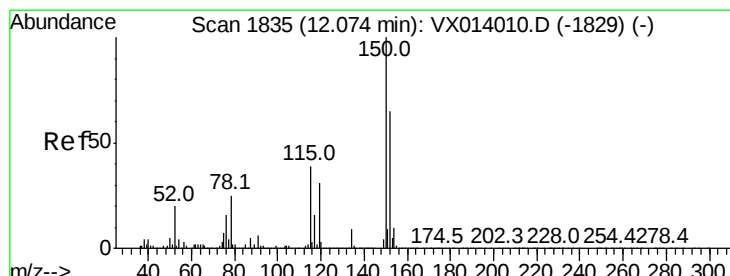
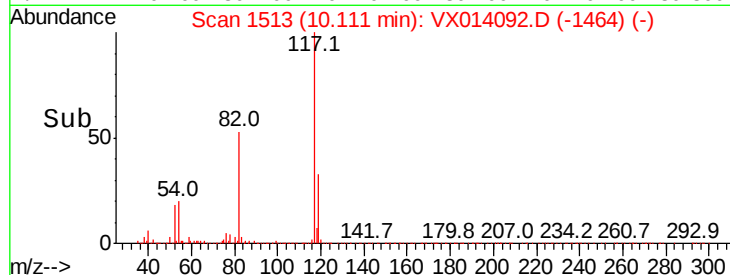
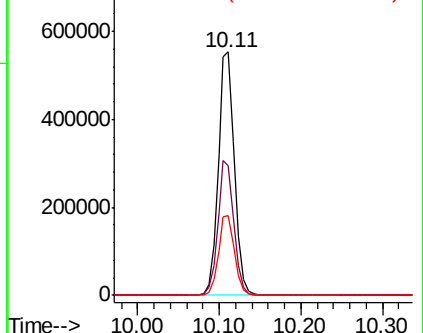


Abundance

Ion 116.90 (116.60 to 117.60): V

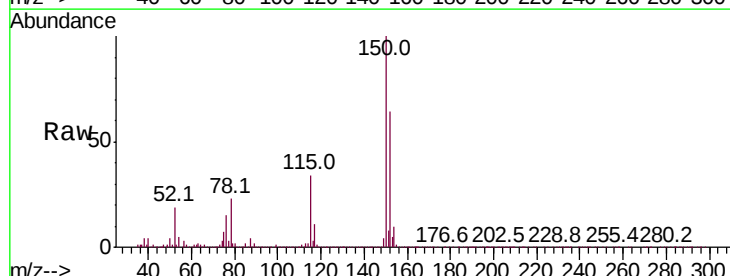
Ion 82.00 (81.70 to 82.70): VX0

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: VX014092.D
Acq: 18 Dec 2019 13:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	38.3	114.9
150	157.6	0.0	345.4

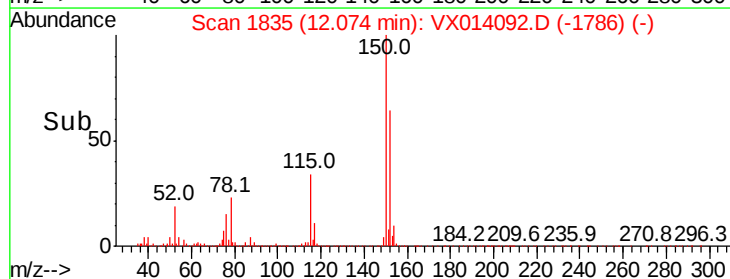
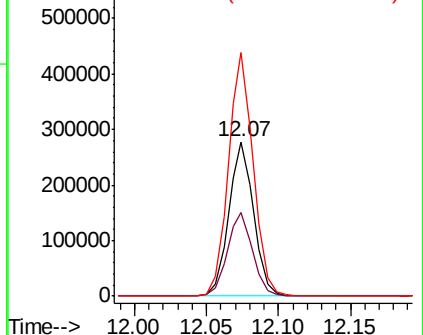


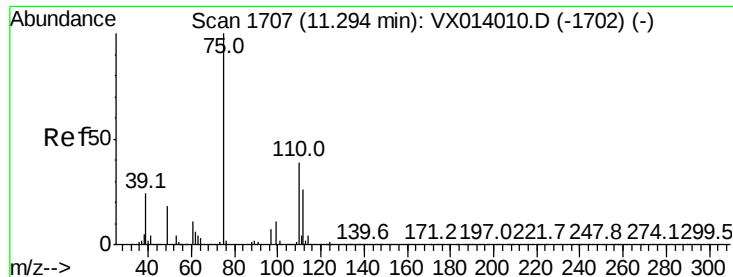
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.253 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014092.D

Acq: 18 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

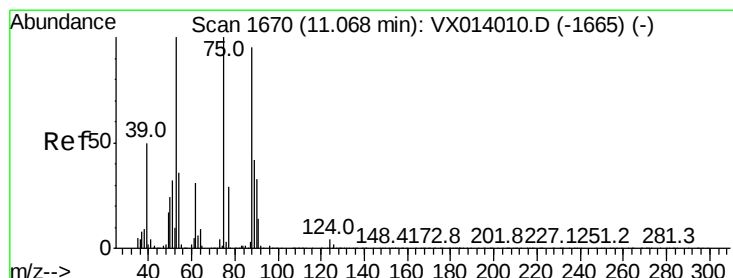
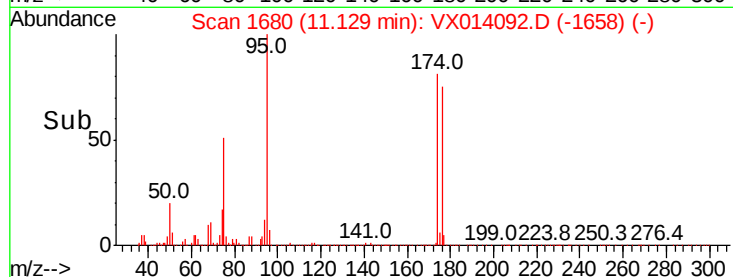
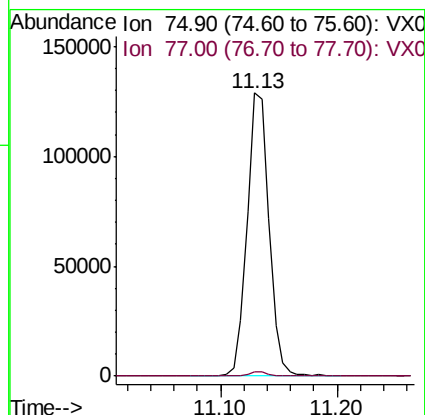
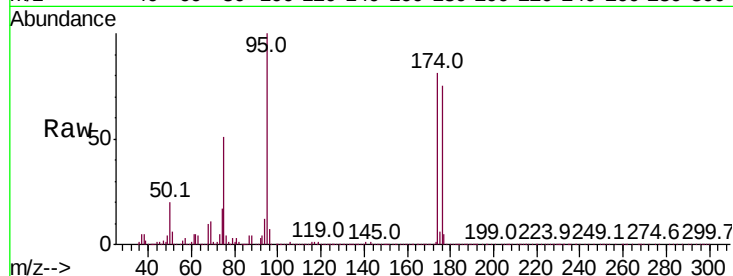
RE108D2-20191206DL

Tot Ion: 75 Resp: 169962

Ion Ratio Lower Upper

75 100

77 1.4 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.631 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014092.D

Acq: 18 Dec 2019 13:28

Tgt Ion: 75 Resp: 169962

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.1 34.6 51.8#

