

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013800.D
 Acq On : 06 Dec 2019 15:29
 Operator : JC/SP
 Sample : K6184-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D1-20191204

Quant Time: Dec 07 02:37:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	640051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	982379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	872554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	376621	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	355484	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	5.49	113	293244	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	8.71	98	1156909	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.14	95	386910	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	

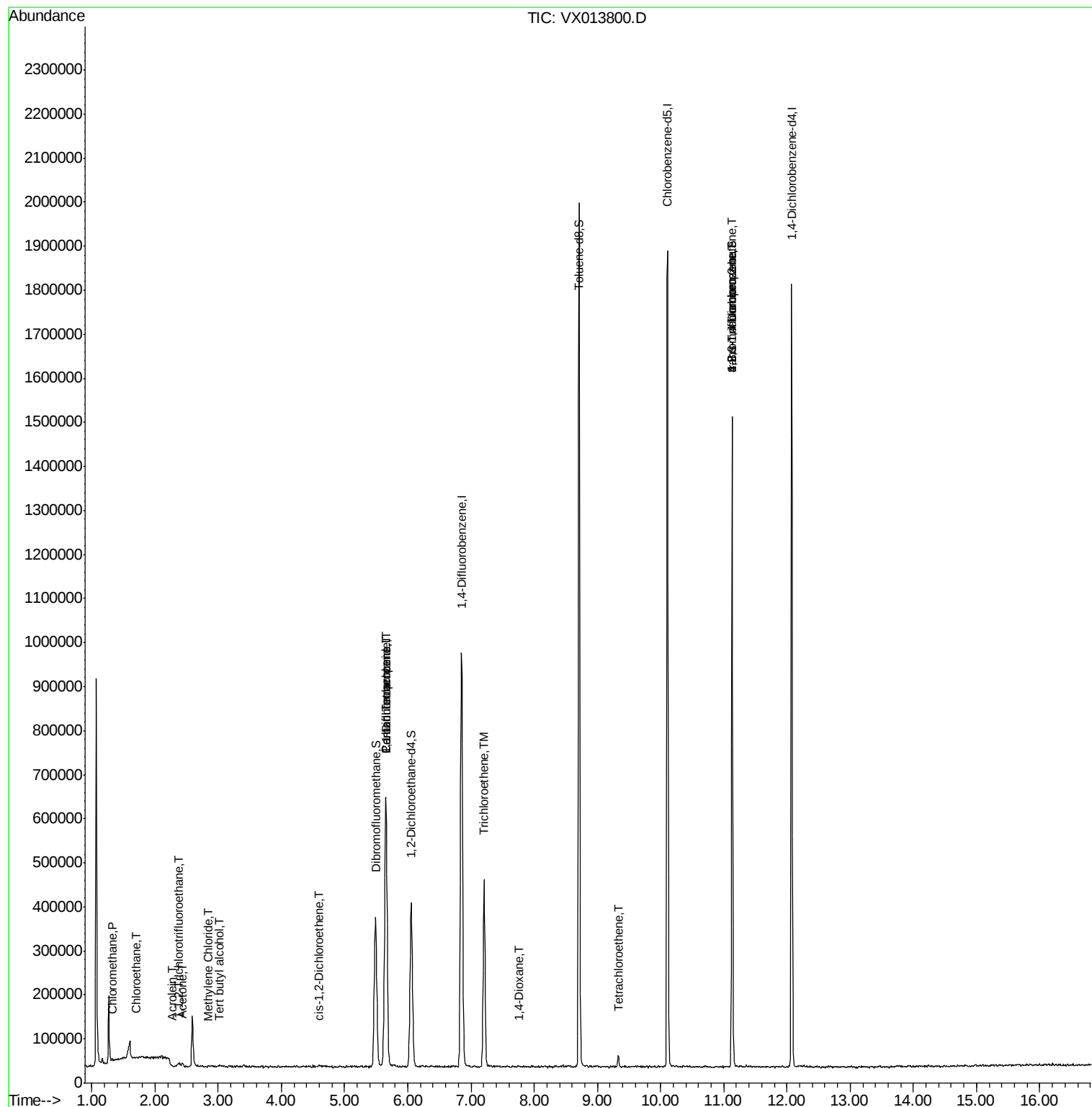
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2884	0.361	ug/l #	77
6) Chloroethane	1.70	64	1607	0.314	ug/l #	57
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3872	0.635	ug/l #	88
11) Tert butyl alcohol	3.02	59	3516	1.917	ug/l #	74
13) Acrolein	2.28	56	276	6.223	ug/l #	1
16) Acetone	2.43	43	11368	3.099	ug/l	98
20) Methylene Chloride	2.84	84	2533	0.359	ug/l #	45
27) cis-1,2-Dichloroethene	4.59	96	1743	0.229	ug/l	57
36) 1,1-Dichloropropene	5.65	75	41784	4.686	ug/l #	50
38) Carbon Tetrachloride	5.65	117	57480	6.990	ug/l #	14
44) Trichloroethene	7.21	130	172280	23.113	ug/l	93
49) 1,4-Dioxane	7.75	88	1697	9.474	ug/l #	86
64) Tetrachloroethene	9.33	164	5738	0.882	ug/l	89
76) 1,2,3-Trichloropropane	11.14	75	188491	22.252	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	188491	60.877	ug/l #	11

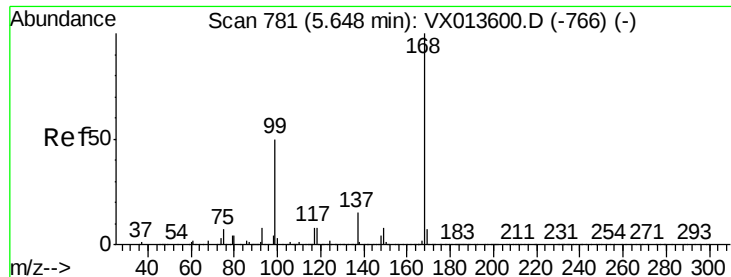
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 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: VX013800.D

Acq: 06 Dec 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

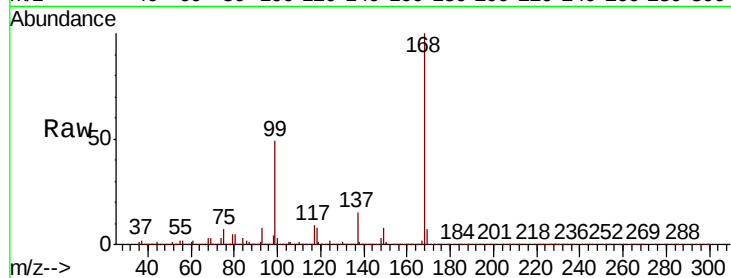
RE109D1-20191204

Tot Ion:168 Resp: 640051

Ion Ratio Lower Upper

168 100

99 49.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

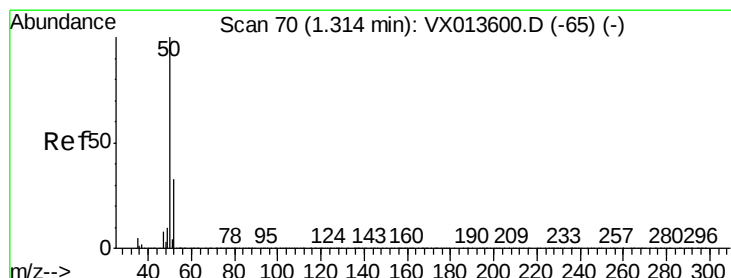
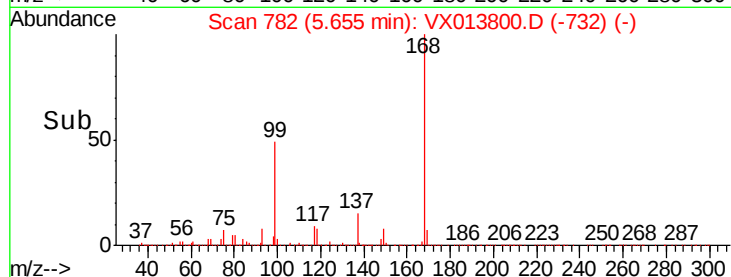
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.361 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013800.D

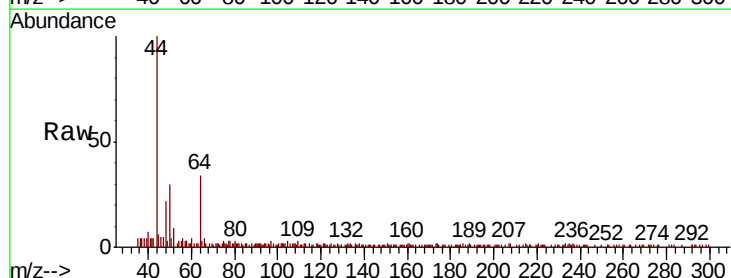
Acq: 06 Dec 2019 15:29

Tgt Ion: 50 Resp: 2884

Ion Ratio Lower Upper

50 100

52 19.4 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

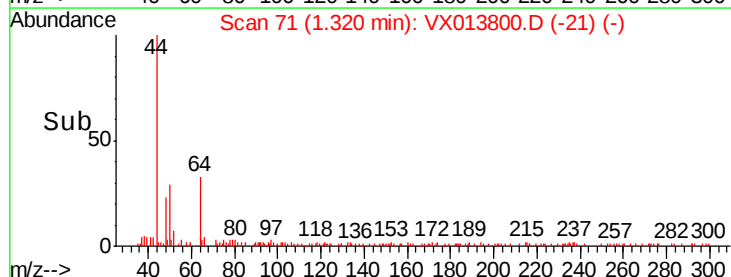
3000

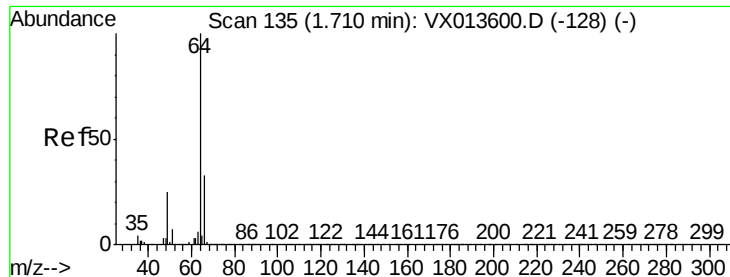
2000

1000

0

Time-->





#6

Chloroethane

Concen: 0.314 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

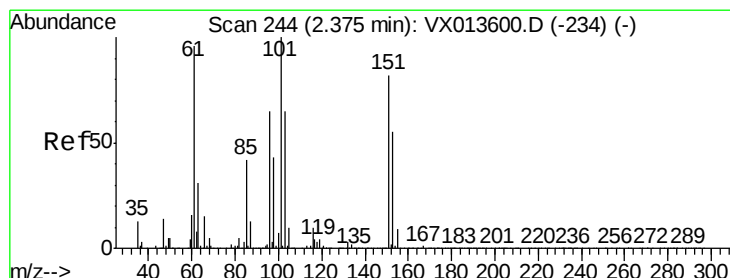
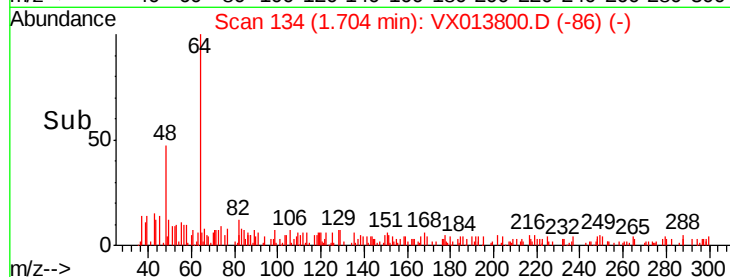
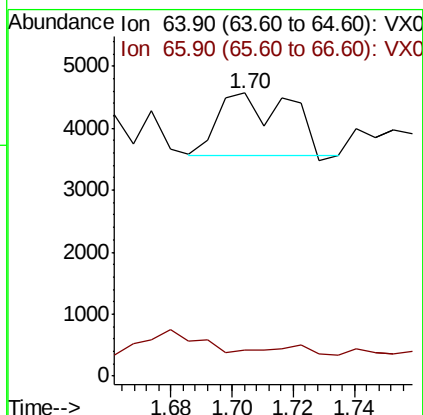
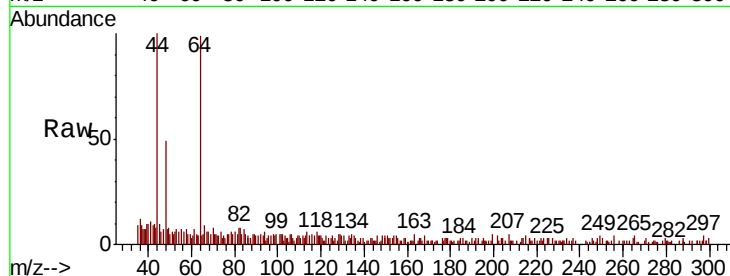
RE109D1-20191204

Tot Ion: 64 Resp: 1607

Ion Ratio Lower Upper

64 100

66 8.8 26.7 40.1#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.635 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

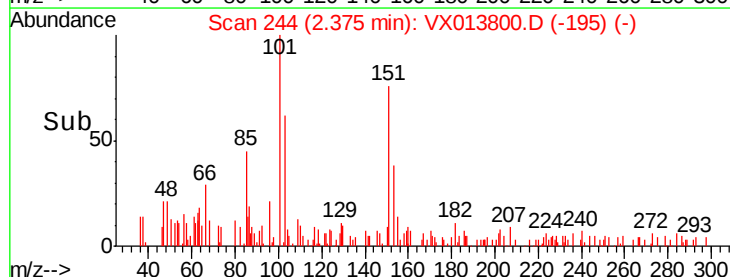
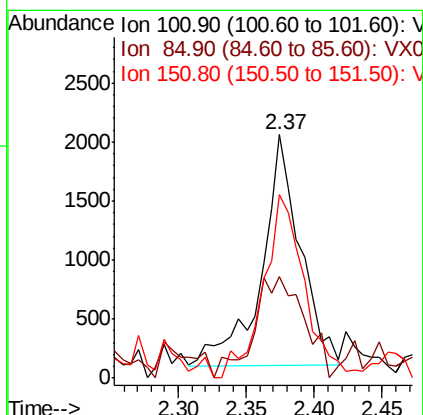
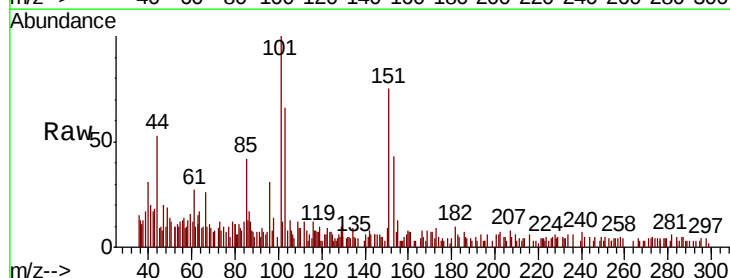
Tgt Ion: 101 Resp: 3872

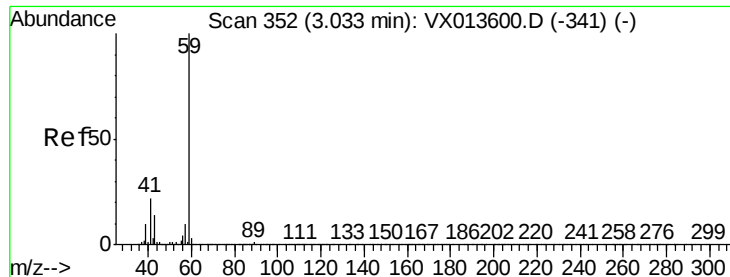
Ion Ratio Lower Upper

101 100

85 57.3 33.9 50.9#

151 85.1 64.2 96.2

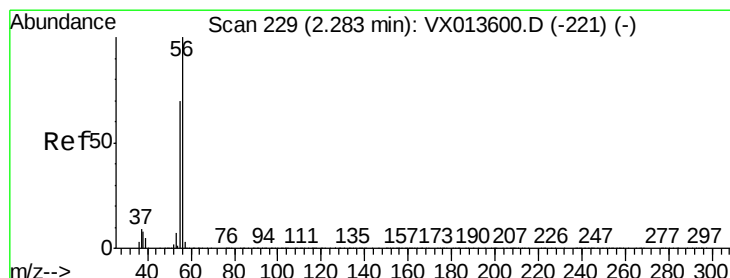
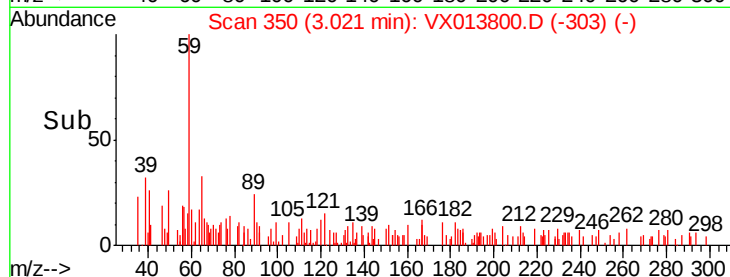
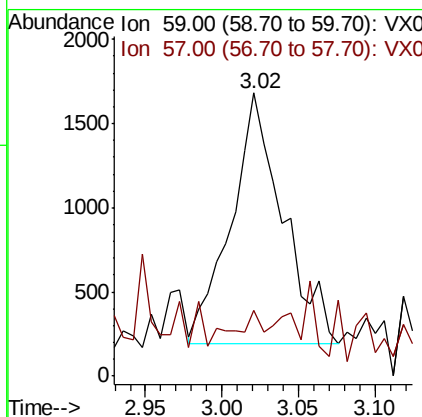
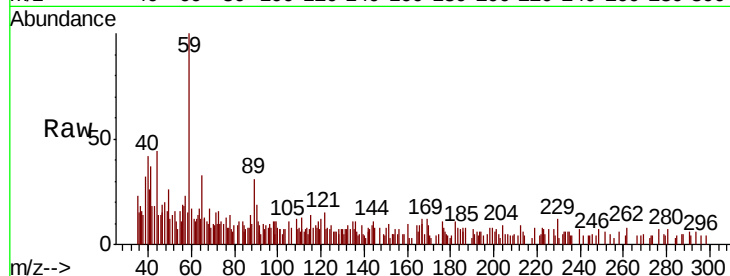




#11
Tert butyl alcohol
Concen: 1.917 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX013800.D
Acq: 06 Dec 2019 15:29

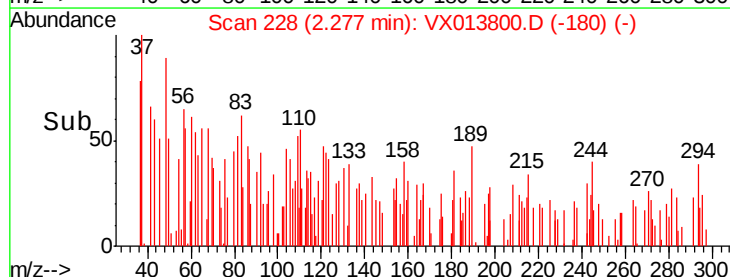
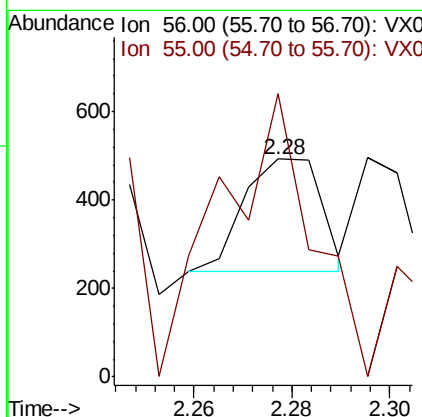
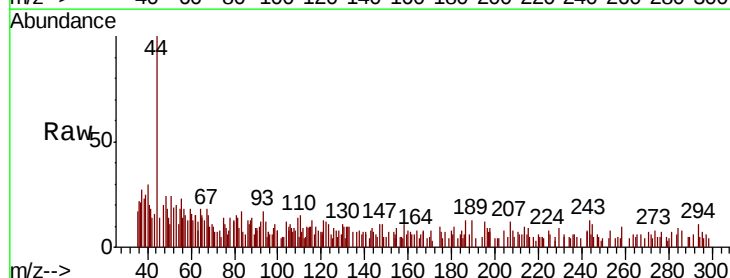
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20191204

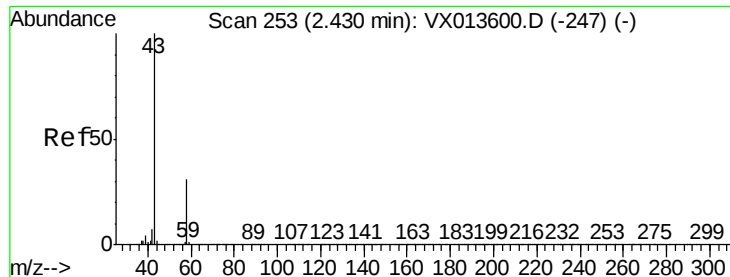
Tot Ion: 59 Resp: 3516
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: 6.223 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX013800.D
Acq: 06 Dec 2019 15:29

Tgt Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 302.2 56.2 84.4#





#16

Acetone

Concen: 3.099 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

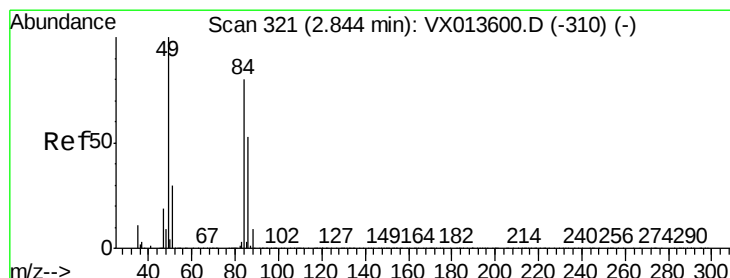
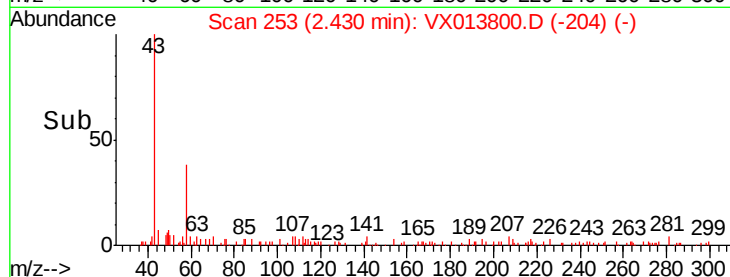
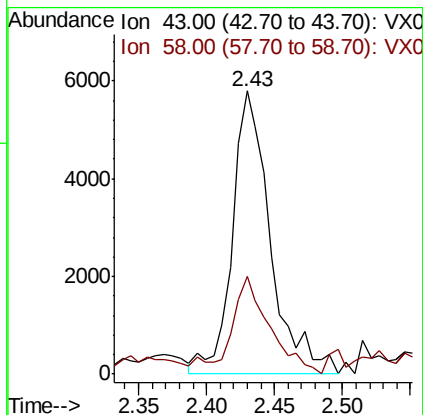
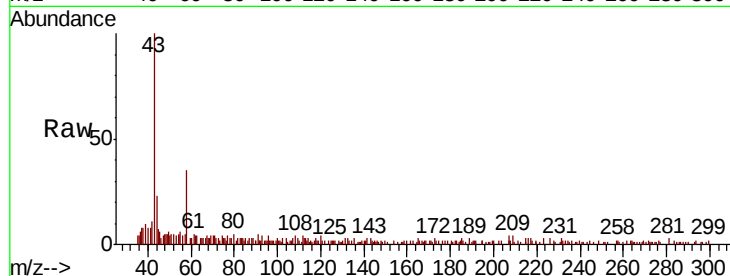
RE109D1-20191204

Tot Ion: 43 Resp: 11368

Ion Ratio Lower Upper

43 100

58 31.9 24.6 36.8



#20

Methylene Chloride

Concen: 0.359 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

Tgt Ion: 84 Resp: 2533

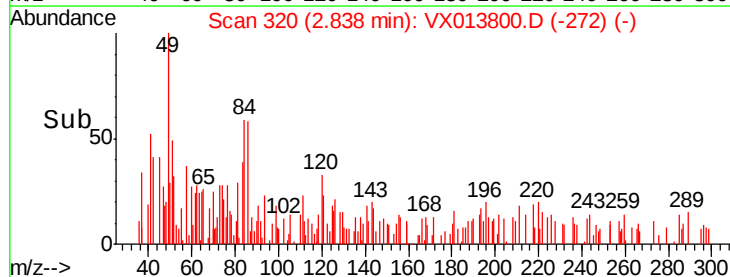
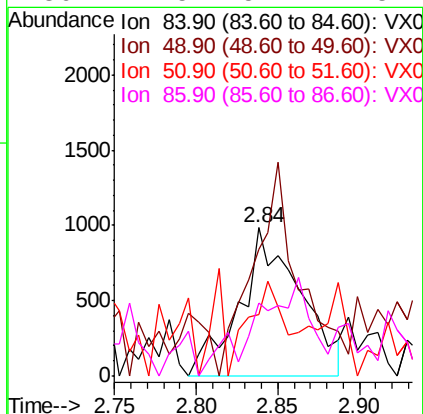
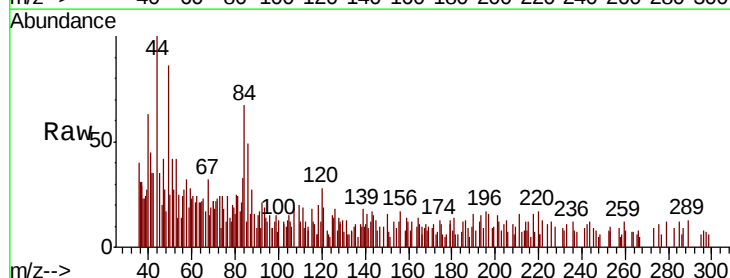
Ion Ratio Lower Upper

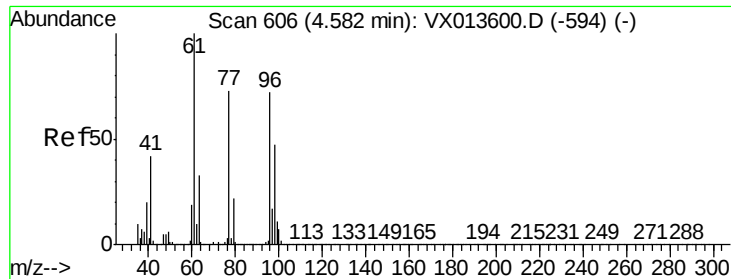
84 100

49 64.0 99.7 149.5#

51 0.0 29.9 44.9#

86 22.5 52.2 78.4#



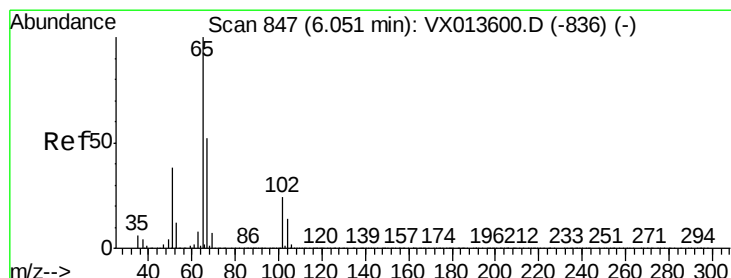
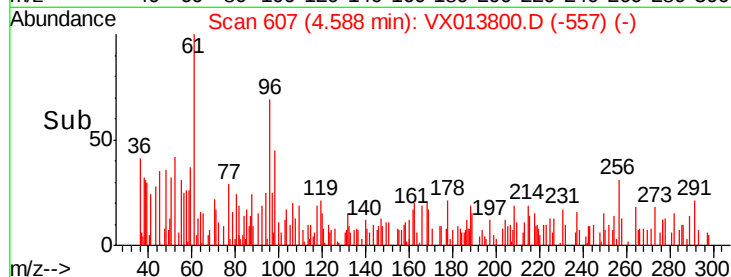
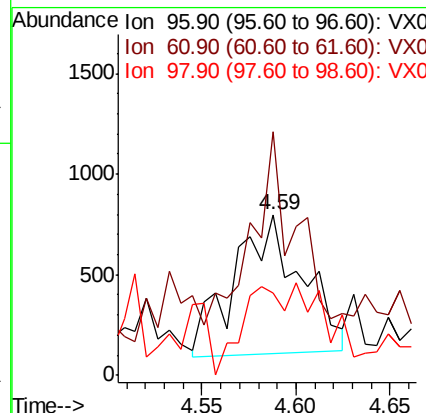
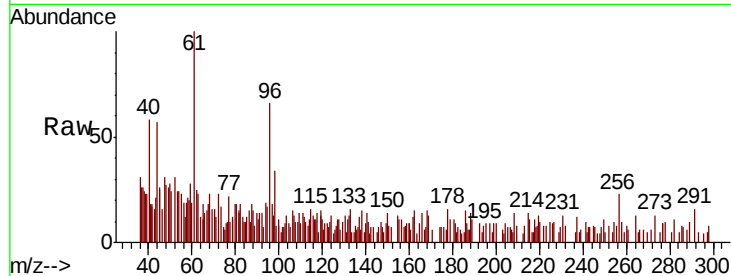


#27

cis-1,2-Dichloroethene
Concen: 0.229 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013800.D
Acq: 06 Dec 2019 15:29

Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20191204

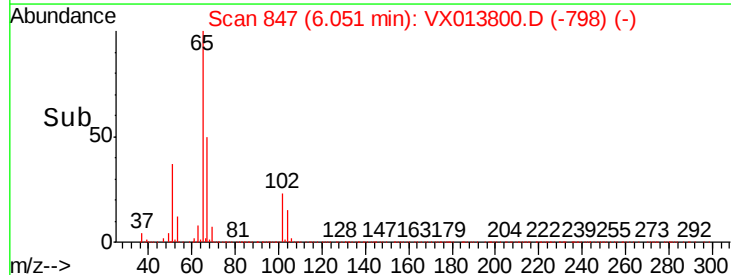
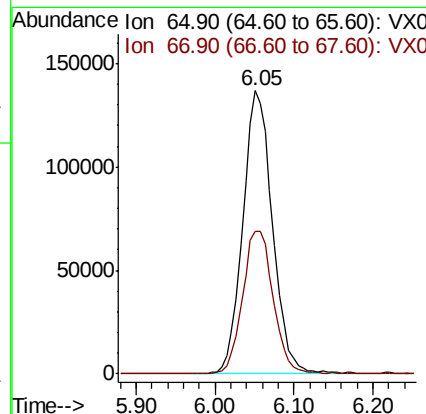
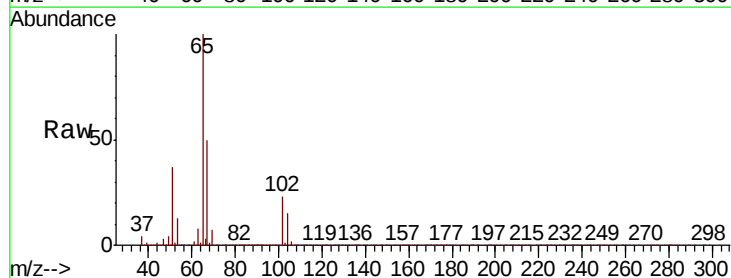
Tot Ion: 96 Resp: 1743
Ion Ratio Lower Upper
96 100
61 82.4 0.0 286.4
98 39.9 0.0 127.4

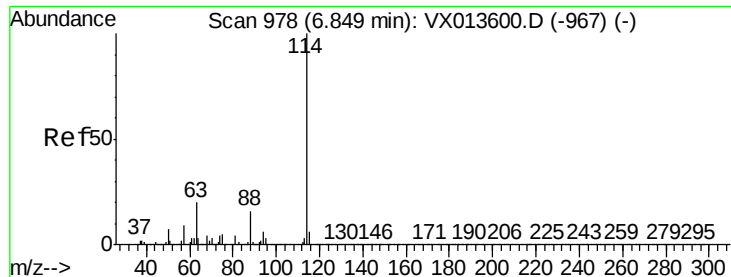


#33

1,2-Dichloroethane-d4
Concen: 47.847 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013800.D
Acq: 06 Dec 2019 15:29

Tgt Ion: 65 Resp: 355484
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-20191204

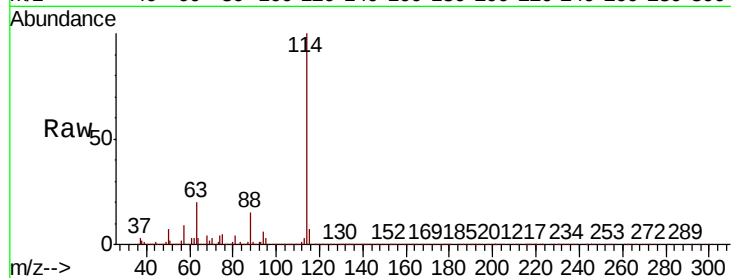
Tot Ion:114 Resp: 982379

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

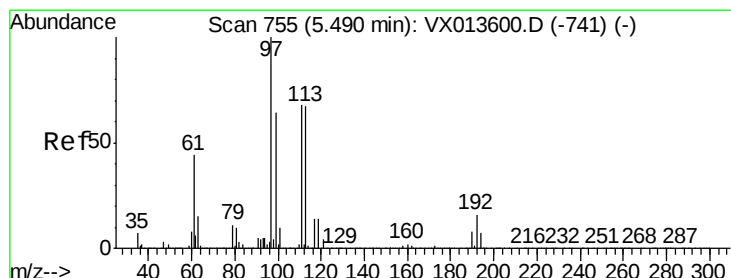
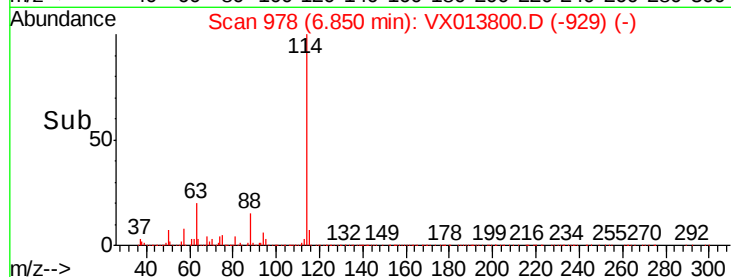
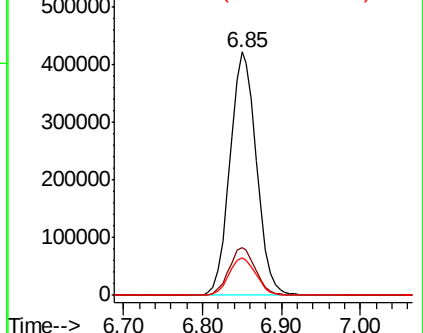
88 15.4 0.0 31.4



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: 48.285 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

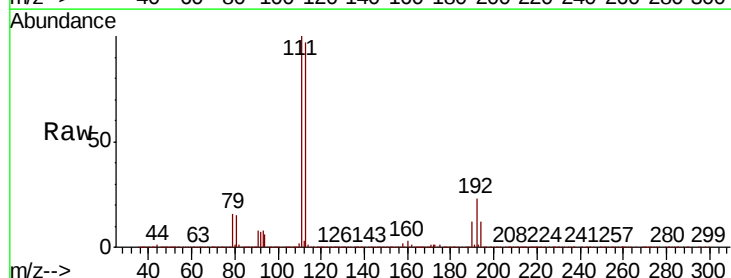
Tgt Ion:113 Resp: 293244

Ion Ratio Lower Upper

113 100

111 102.0 83.6 125.4

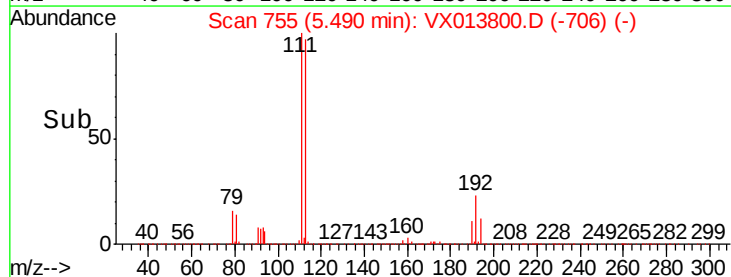
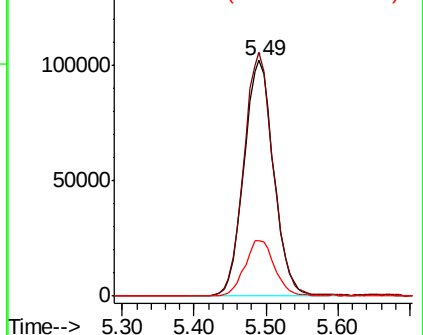
192 23.4 19.2 28.8

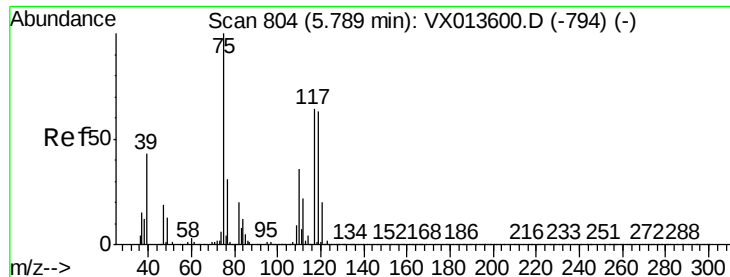


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.686 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-20191204

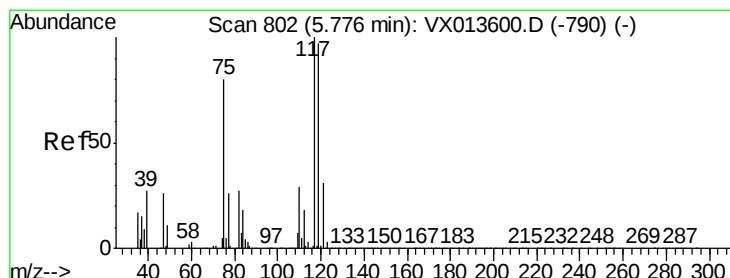
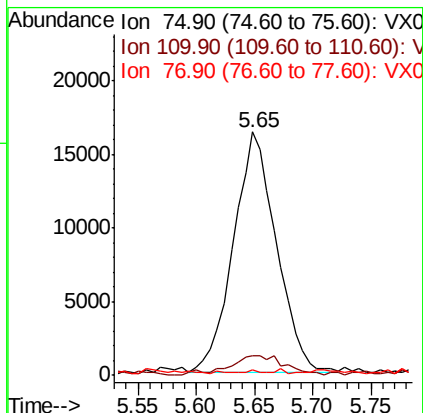
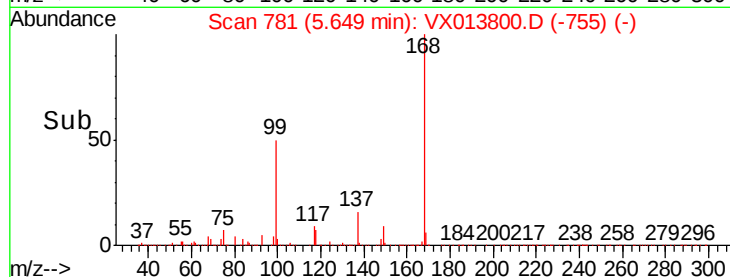
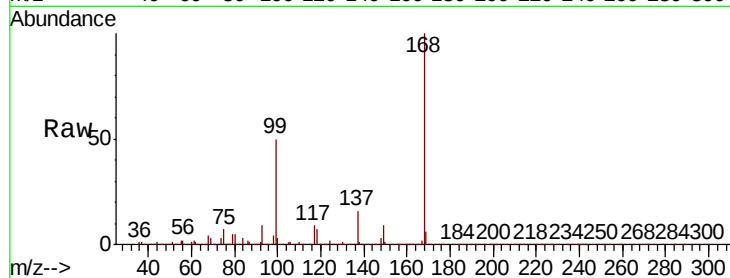
Tot Ion: 75 Resp: 41784

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.990 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

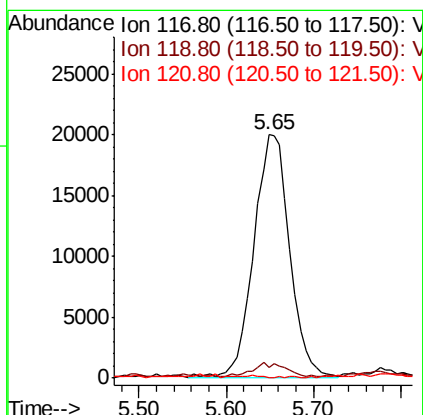
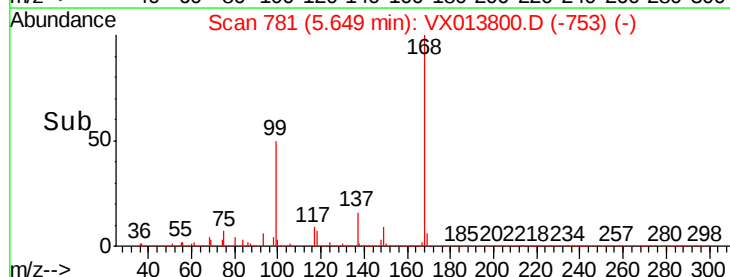
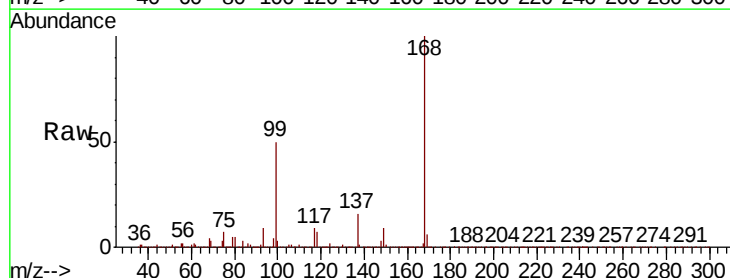
Tgt Ion: 117 Resp: 57480

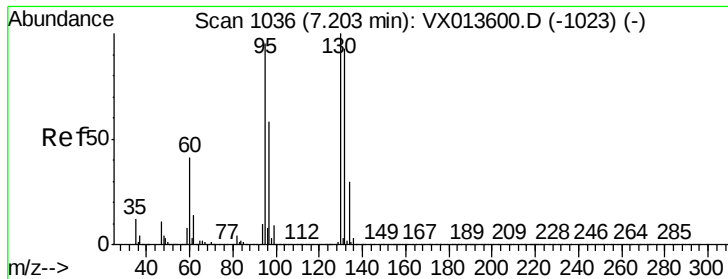
Ion Ratio Lower Upper

117 100

119 3.7 77.5 116.3#

121 0.0 25.0 37.6#





#44

Trichloroethene

Concen: 23.113 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

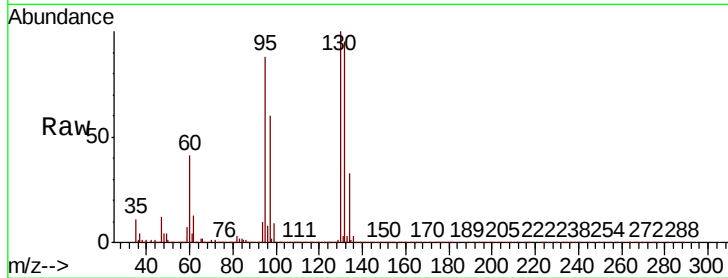
RE109D1-20191204

Tot Ion:130 Resp: 172280

Ion Ratio Lower Upper

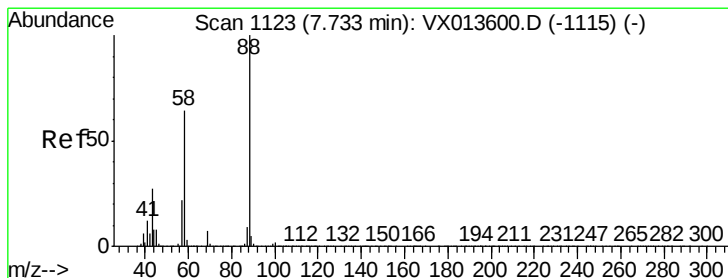
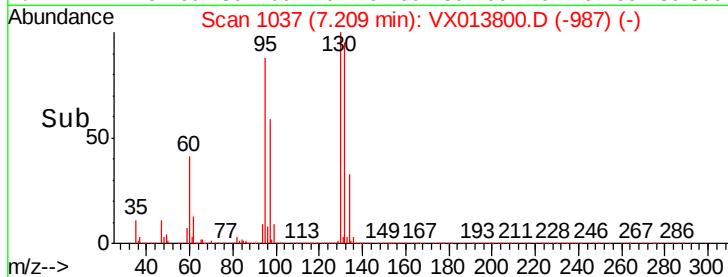
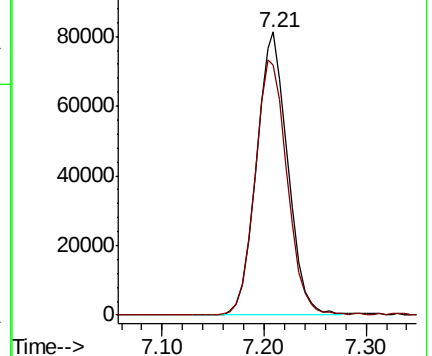
130 100

95 88.3 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 9.474 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

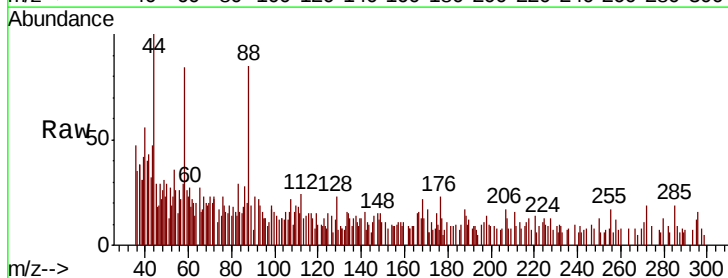
Tgt Ion: 88 Resp: 1697

Ion Ratio Lower Upper

88 100

43 43.8 25.8 38.6#

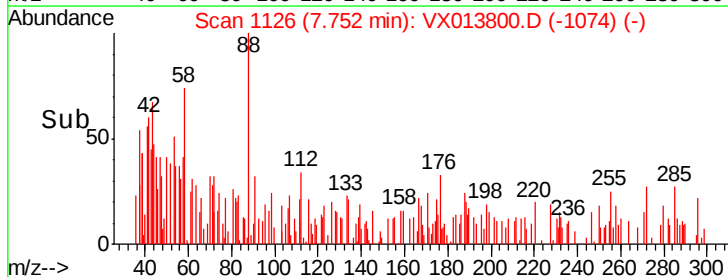
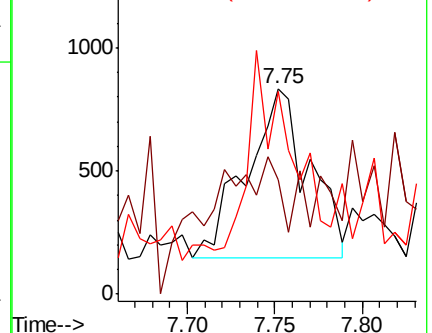
58 77.5 54.6 82.0

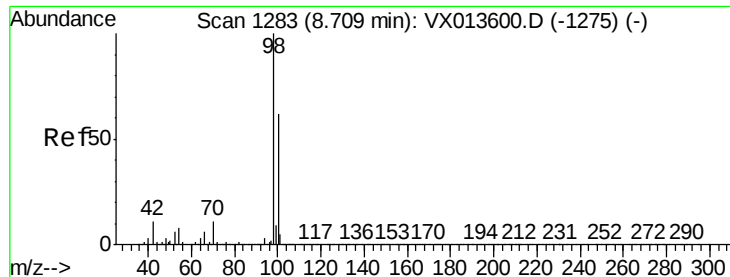


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.893 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

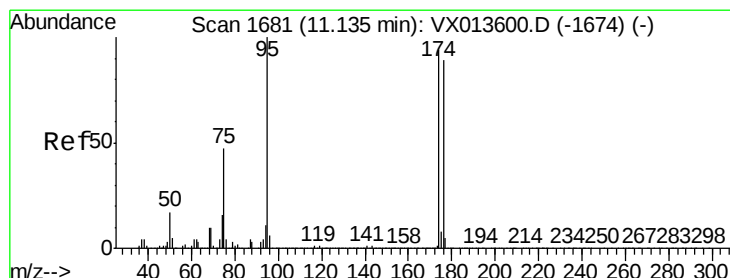
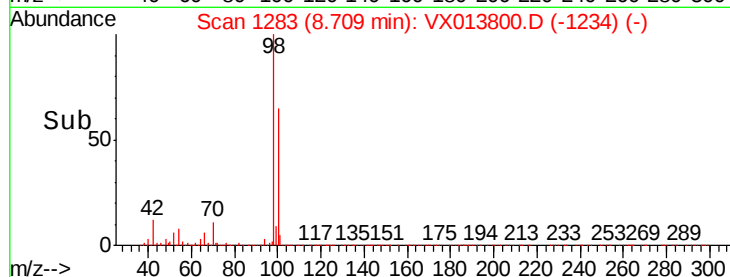
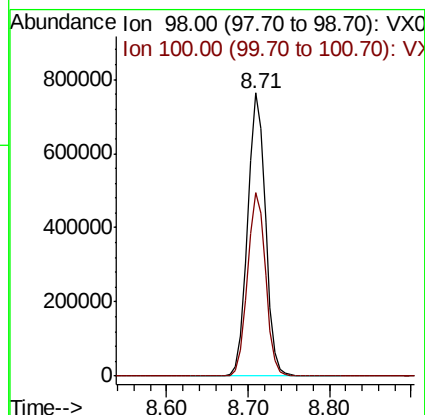
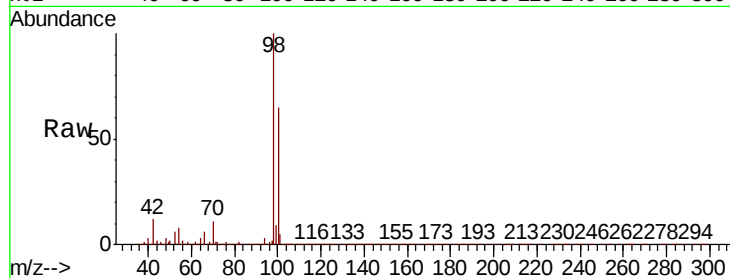
RE109D1-20191204

Tot Ion: 98 Resp: 1156909

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.345 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

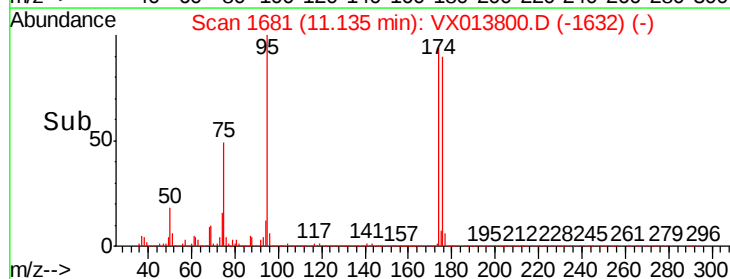
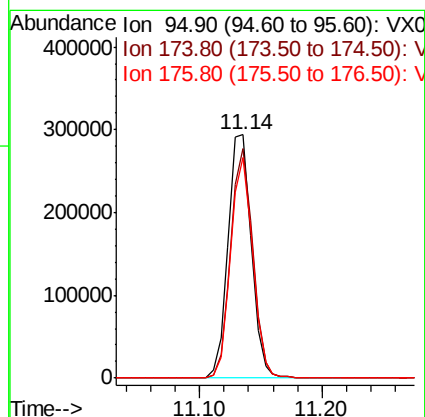
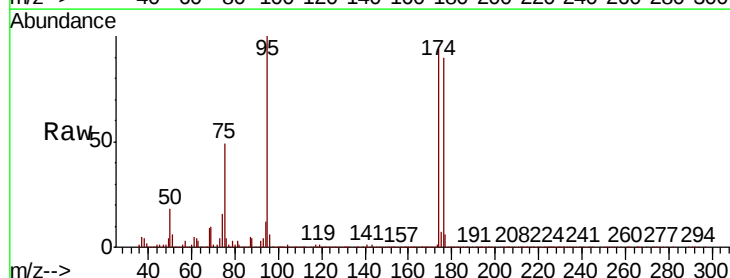
Tgt Ion: 95 Resp: 386910

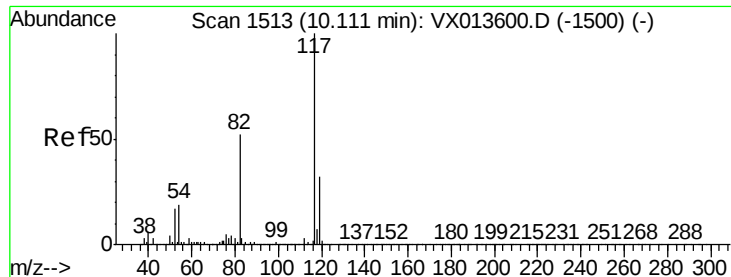
Ion Ratio Lower Upper

95 100

174 89.7 0.0 180.0

176 85.9 0.0 173.6

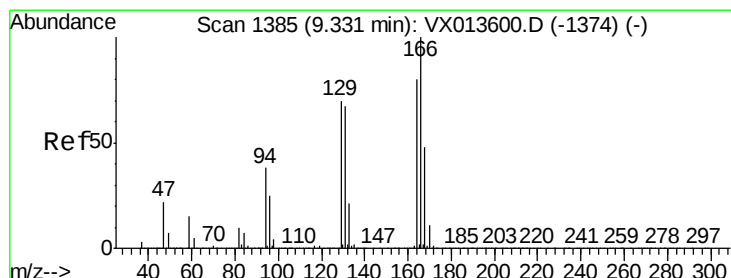
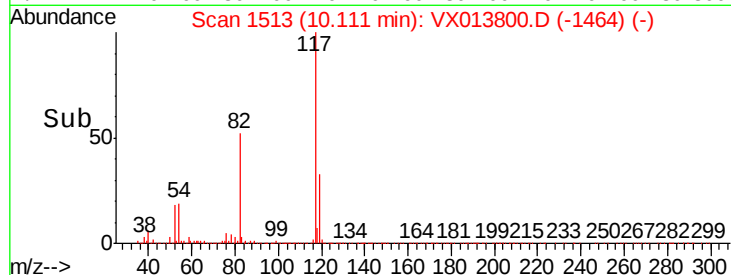
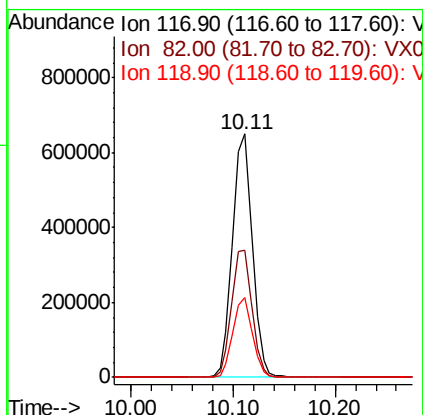
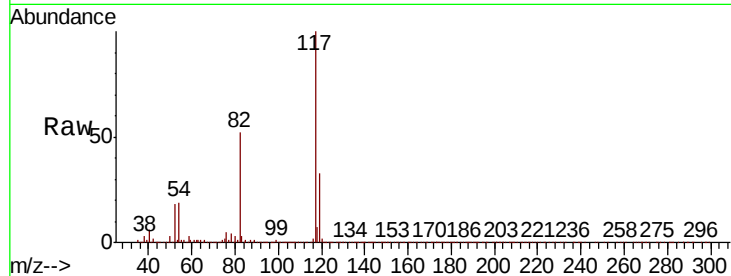




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013800.D
Acq: 06 Dec 2019 15:29

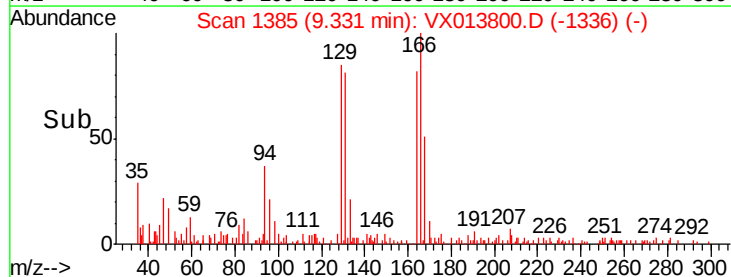
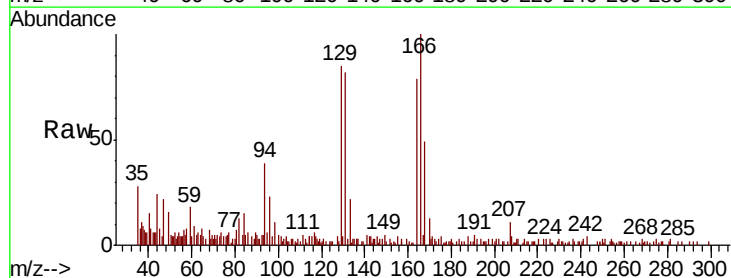
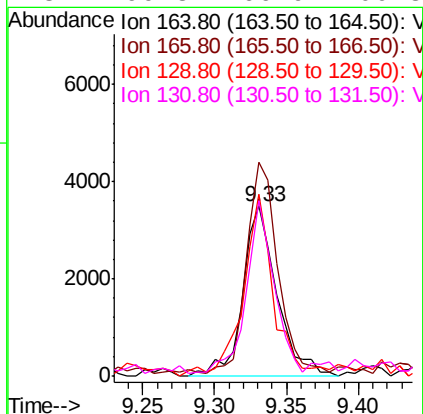
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20191204

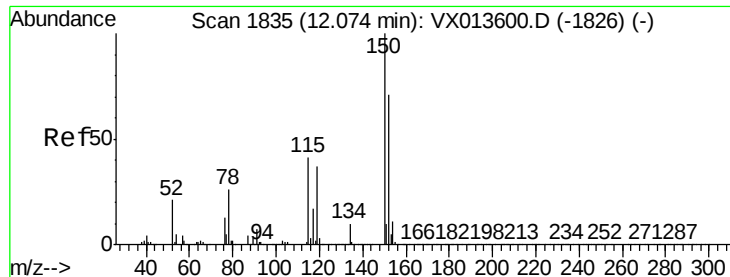
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.8	62.8
119	32.8	25.8	38.8



#64
Tetrachloroethene
Concen: 0.882 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013800.D
Acq: 06 Dec 2019 15:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	99.7	149.5
129	104.3	70.1	105.1
131	99.8	66.9	100.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-20191204

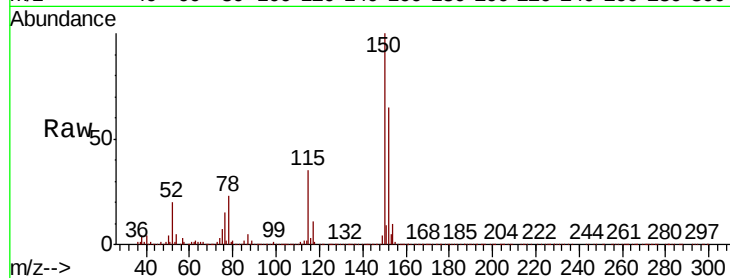
Tot Ion:152 Resp: 376621

Ion Ratio Lower Upper

152 100

115 55.2 38.4 115.1

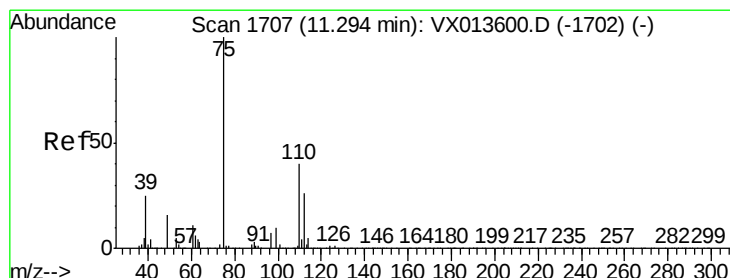
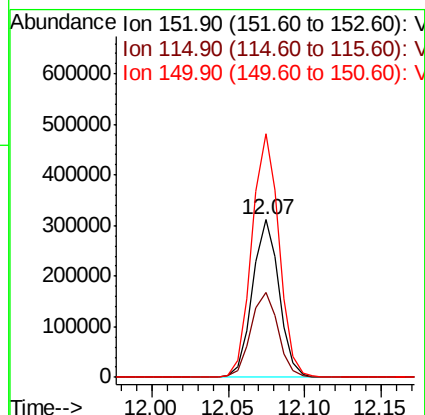
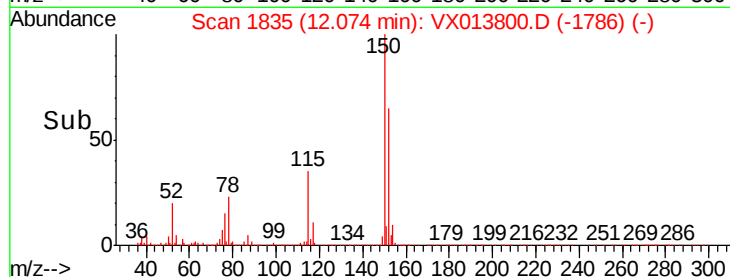
150 158.1 0.0 346.8



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: 22.252 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013800.D

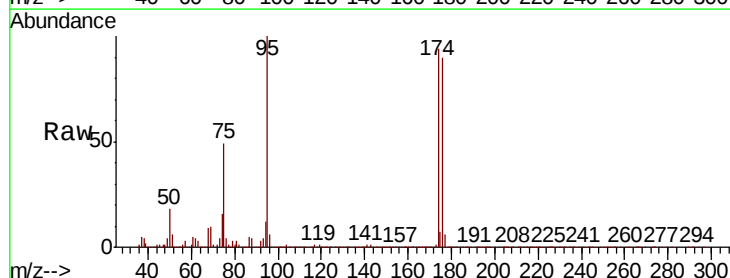
Acq: 06 Dec 2019 15:29

Tgt Ion: 75 Resp: 188491

Ion Ratio Lower Upper

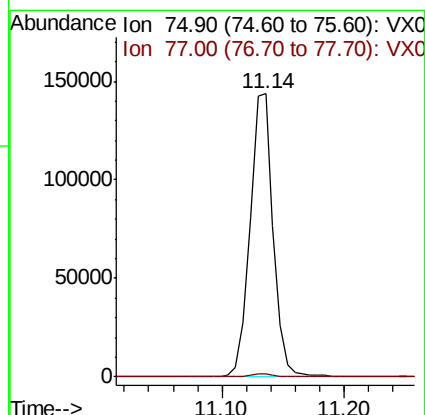
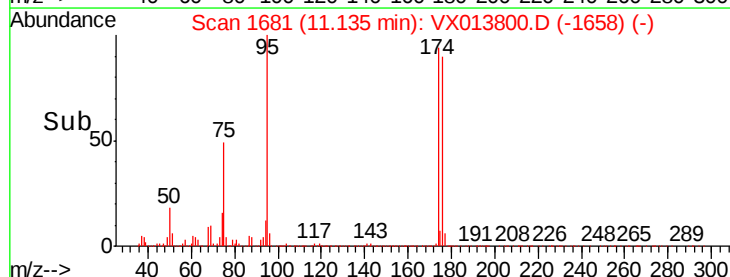
75 100

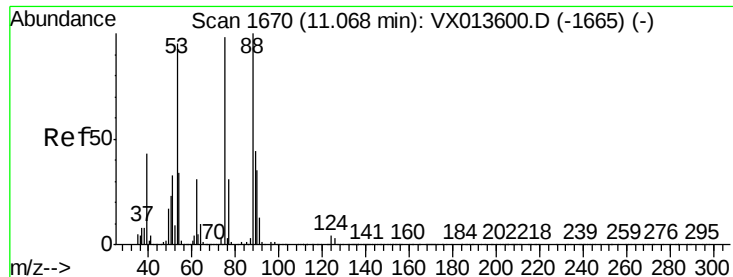
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.877 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013800.D

Acq: 06 Dec 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-20191204

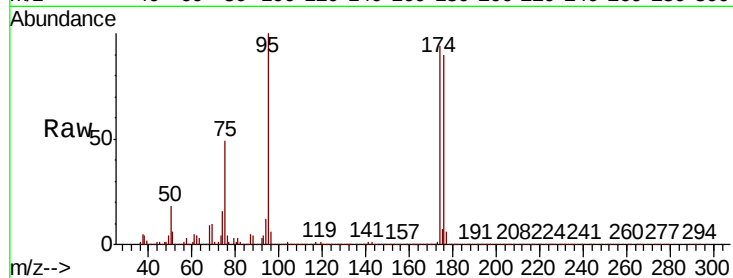
Tot Ion: 75 Resp: 188491

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.1 35.4 53.2#



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

