

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015177.D
 Acq On : 10 Mar 2020 17:35
 Operator : JC/SP
 Sample : L1842-07DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20200304DL

Quant Time: Mar 11 07:31:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	320888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	532888	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	519748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	265619	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	205417	53.96	ug/l	0.00
Spiked Amount						
			Recovery	=	107.92%	
35) Dibromofluoromethane	5.49	113	167388	49.79	ug/l	0.00
Spiked Amount						
			Recovery	=	99.58%	
50) Toluene-d8	8.71	98	652351	51.01	ug/l	0.00
Spiked Amount						
			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.14	95	234926	51.50	ug/l	0.00
Spiked Amount						
			Recovery	=	103.00%	

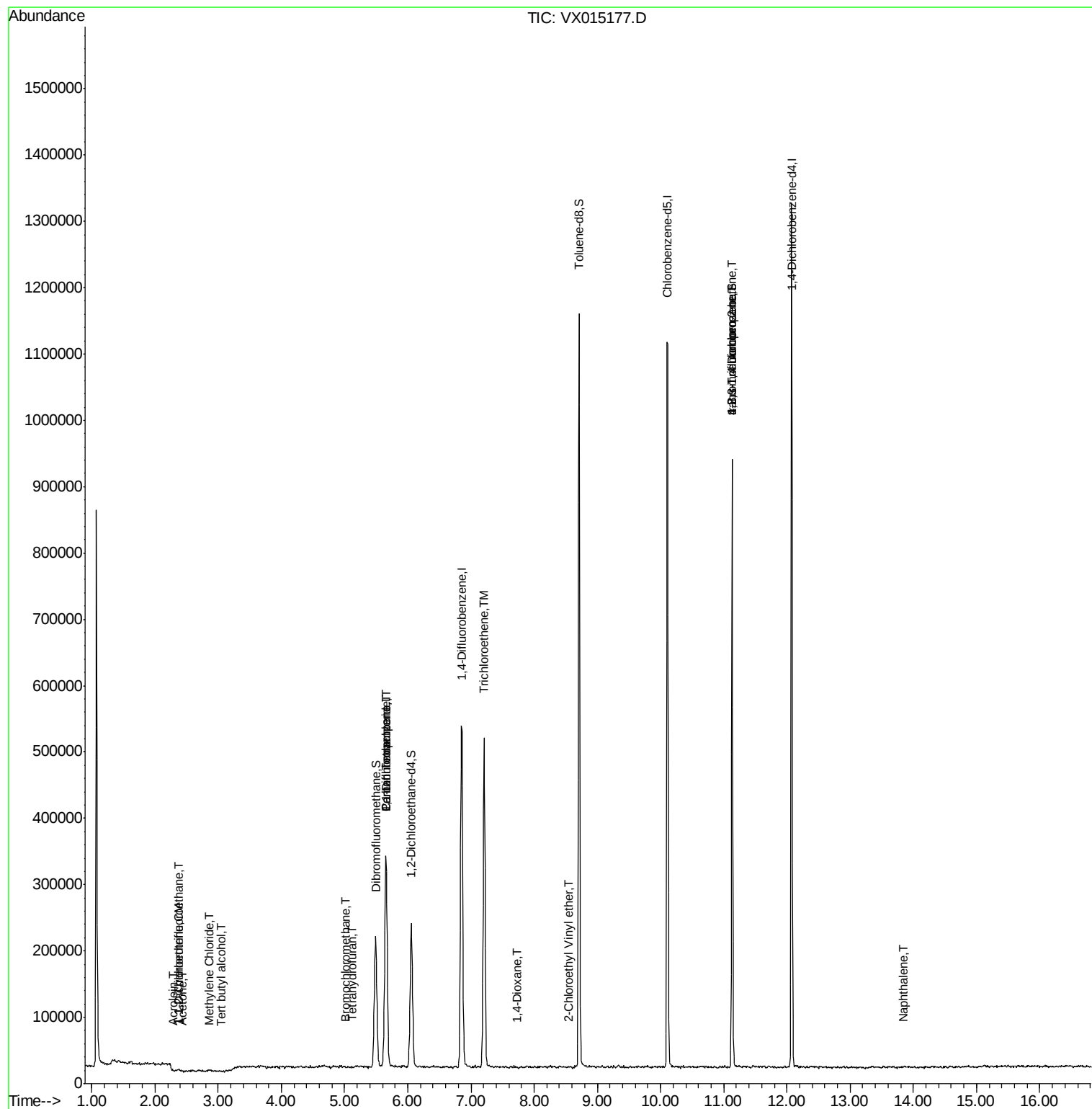
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1217	0.403	ug/l #	72
11) Tert butyl alcohol	3.04	59	362	0.548	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	780	0.250	ug/l #	22
13) Acrolein	2.29	56	713	1.149	ug/l #	82
16) Acetone	2.44	43	699	0.453	ug/l #	1
20) Methylene Chloride	2.86	84	864	0.239	ug/l #	52
28) Bromochloromethane	5.03	49	1089	0.398	ug/l #	11
29) Tetrahydrofuran	5.11	42	541	0.372	ug/l #	54
36) 1,1-Dichloropropene	5.65	75	21784	4.422	ug/l #	51
38) Carbon Tetrachloride	5.66	117	29638	6.374	ug/l #	16
44) Trichloroethene	7.21	130	198199	48.693	ug/l	100
49) 1,4-Dioxane	7.74	88	301	3.403	ug/l #	63
58) 2-Chloroethyl Vinyl ether	8.54	63	577	0.202	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	118908	22.443	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	118908	63.693	ug/l #	11
95) Naphthalene	13.84	128	383	1.441	ug/l #	1

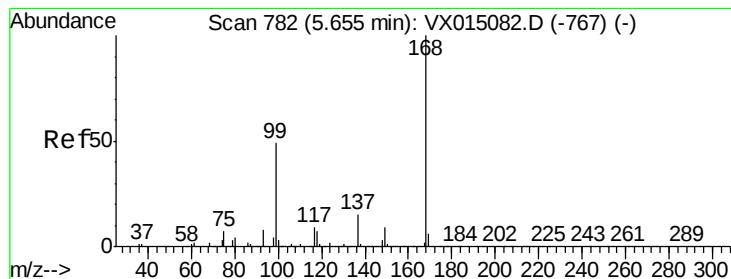
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 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: VX015177.D

Acq: 10 Mar 2020 17:35

Instrument :

MSVOA_X

ClientSampleId :

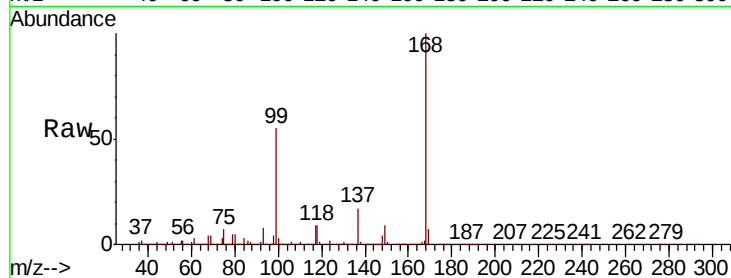
RE108D2-20200304DL

Tot Ion:168 Resp: 320888

Ion Ratio Lower Upper

168 100

99 54.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

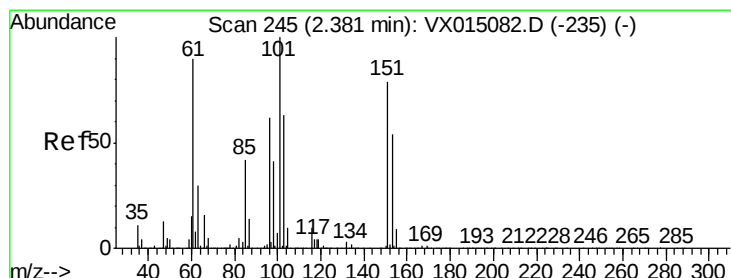
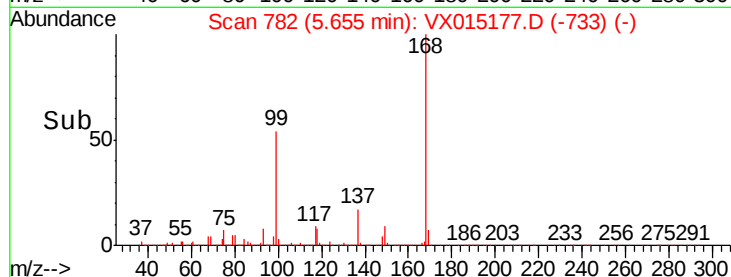
60000

40000

20000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.403 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.02 min

Lab File: VX015177.D

Acq: 10 Mar 2020 17:35

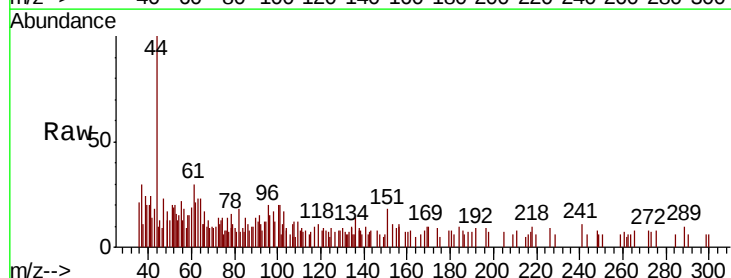
Tgt Ion:101 Resp: 1217

Ion Ratio Lower Upper

101 100

85 13.0 33.7 50.5#

151 95.8 64.0 96.0



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

2.36

800

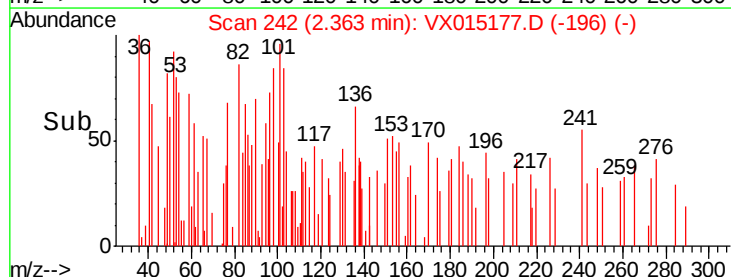
600

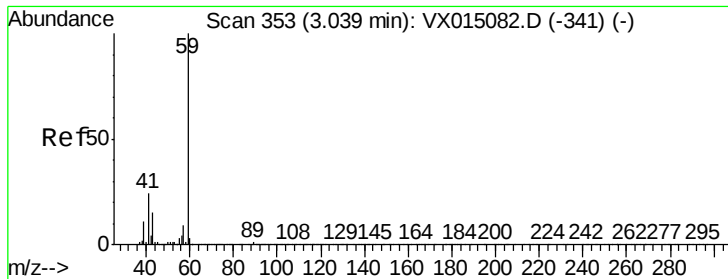
400

200

0

Time-->



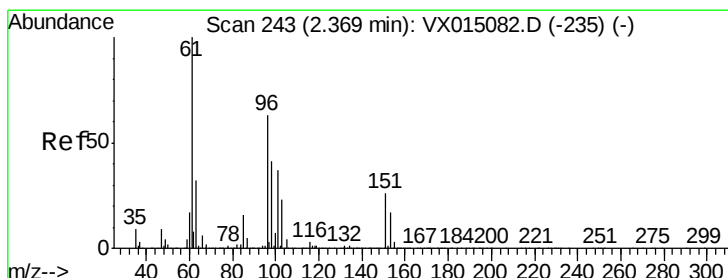
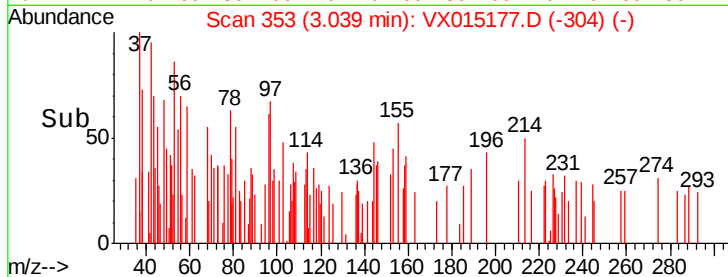
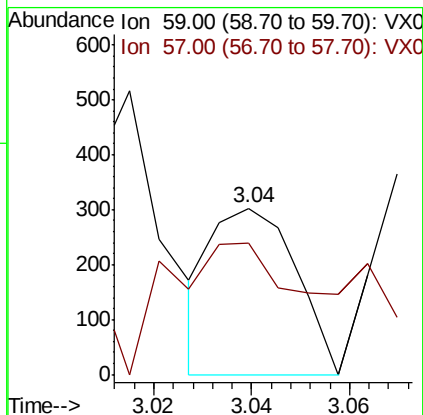
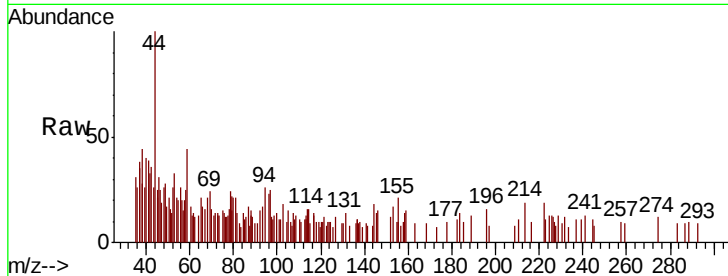


#11

Tert butyl alcohol
Concen: 0.548 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX015177.D
Acq: 10 Mar 2020 17:35

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20200304DL

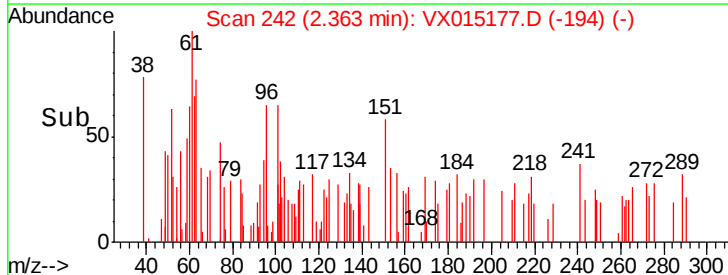
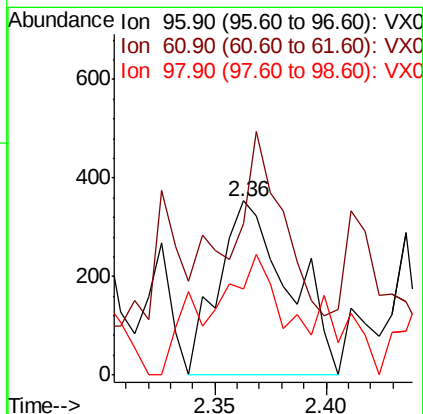
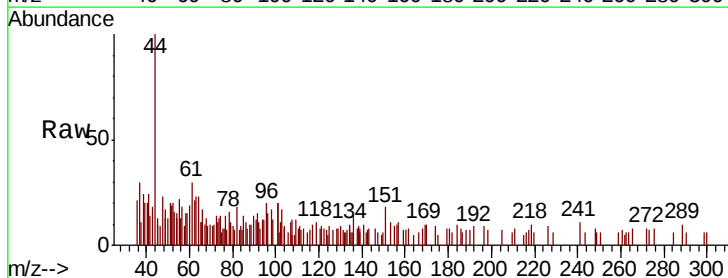
Tot Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 130.1 8.2 12.4#

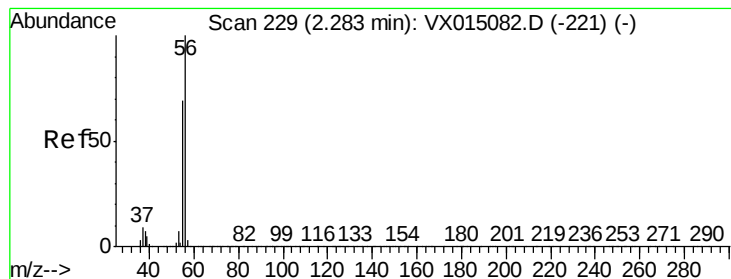


#12

1,1-Dichloroethene
Concen: 0.250 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX015177.D
Acq: 10 Mar 2020 17:35

Tgt Ion: 96 Resp: 780
Ion Ratio Lower Upper
96 100
61 49.6 126.2 189.4#
98 12.2 51.4 77.0#





#13

Acrolein

Concen: 1.149 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015177.D

Acq: 10 Mar 2020 17:35

Instrument :

MSVOA_X

ClientSampleId :

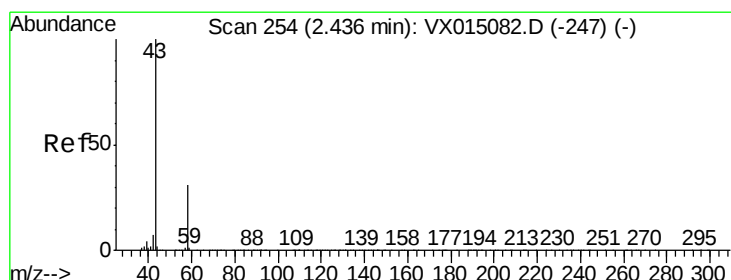
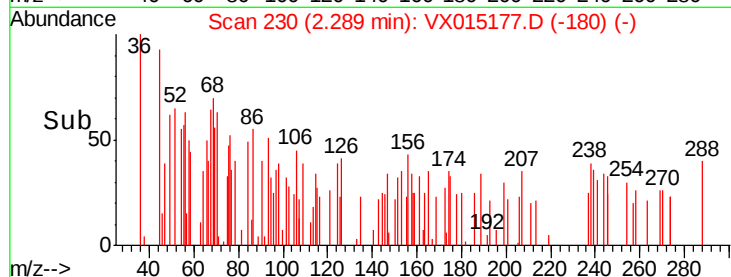
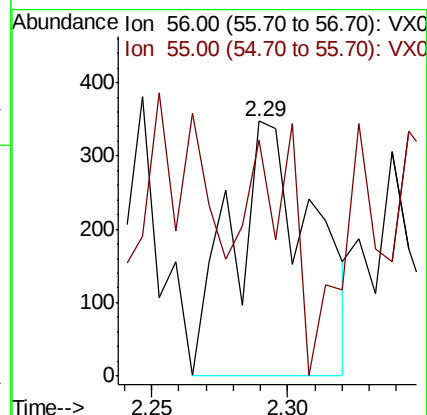
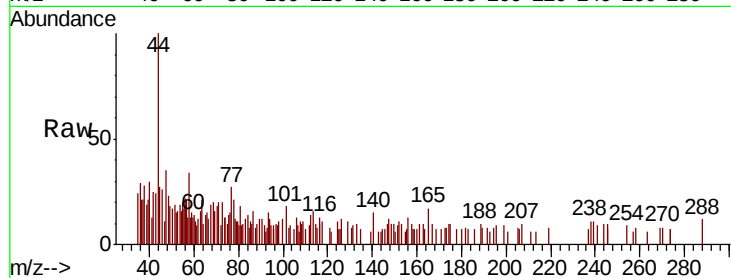
RE108D2-20200304DL

Tot Ion: 56 Resp: 713

Ion Ratio Lower Upper

56 100

55 54.1 55.4 83.0#



#16

Acetone

Concen: 0.453 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX015177.D

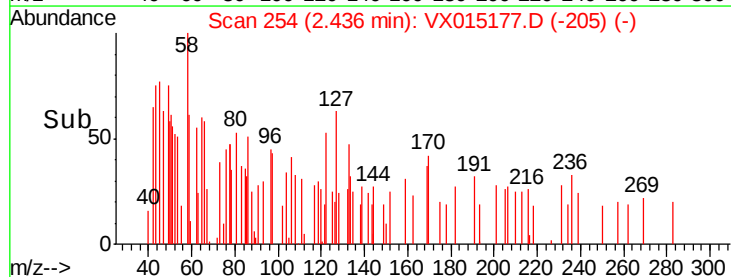
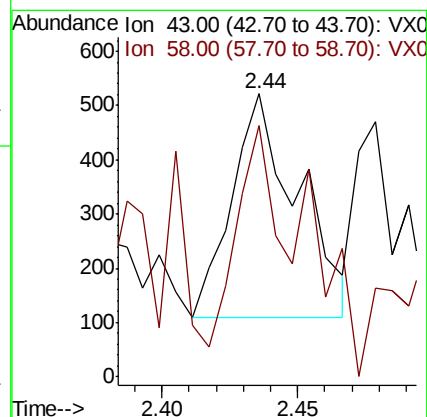
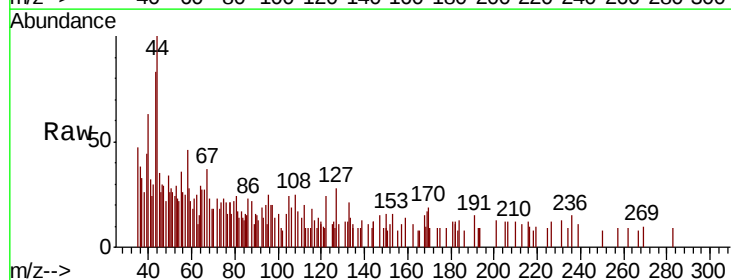
Acq: 10 Mar 2020 17:35

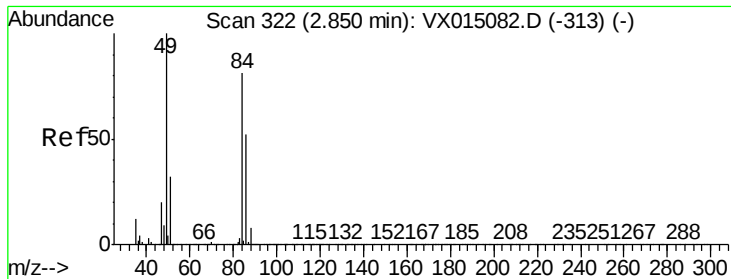
Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

43 100

58 89.3 24.8 37.2#

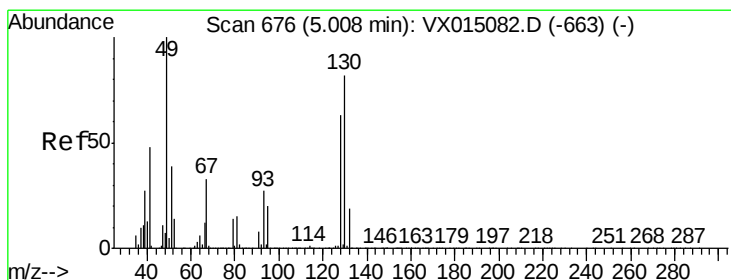
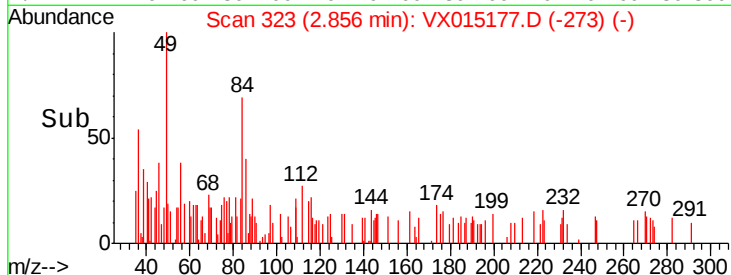
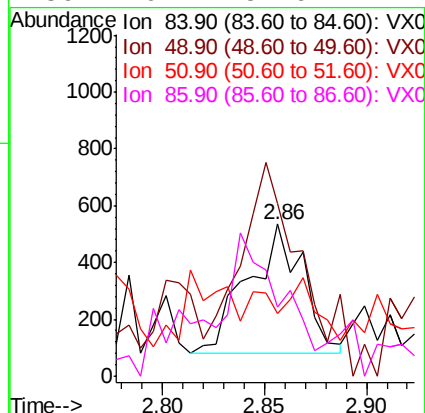
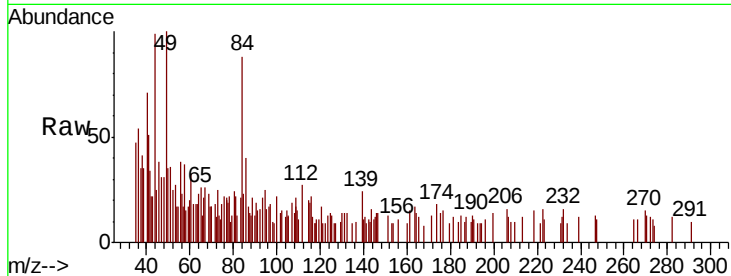




#20
Methvlene Chloride
Concen: 0.239 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX015177.D
Acq: 10 Mar 2020 17:35

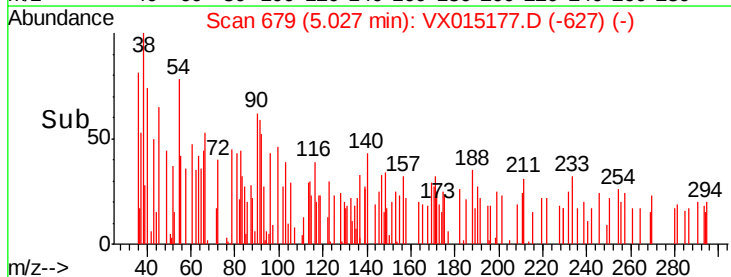
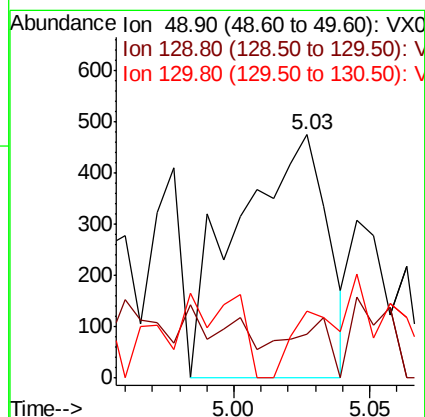
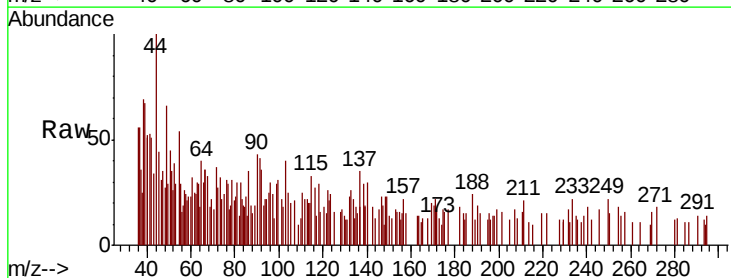
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20200304DL

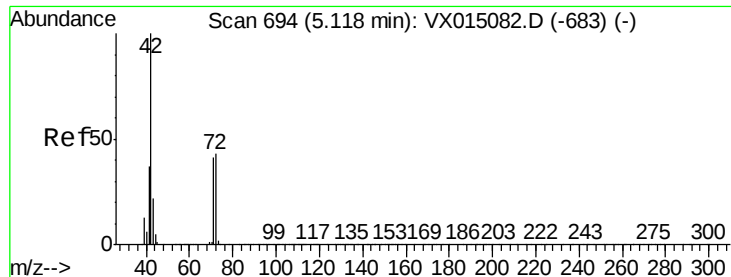
Tot Ion: 84 Resp: 864
Ion Ratio Lower Upper
84 100
49 69.5 99.4 149.2#
51 20.4 31.5 47.3#
86 20.4 51.6 77.4#



#28
Bromochloromethane
Concen: 0.398 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.02 min
Lab File: VX015177.D
Acq: 10 Mar 2020 17:35

Tgt Ion: 49 Resp: 1089
Ion Ratio Lower Upper
49 100
129 9.6 0.0 4.4#
130 0.0 65.0 97.6#





#29

Tetrahydrofuran

Concen: 0.372 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX015177.D

Acq: 10 Mar 2020 17:35

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20200304DL

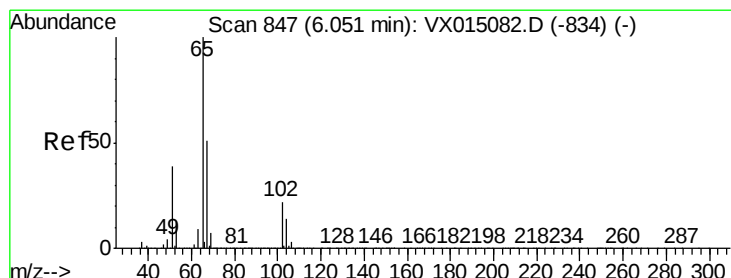
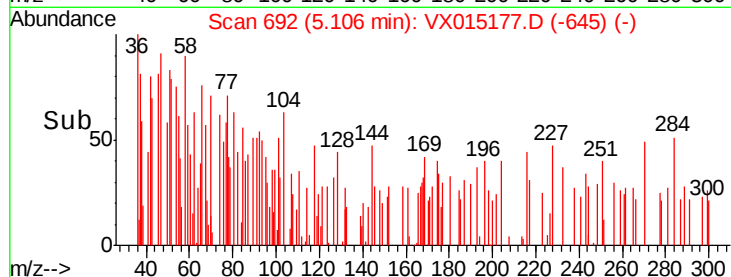
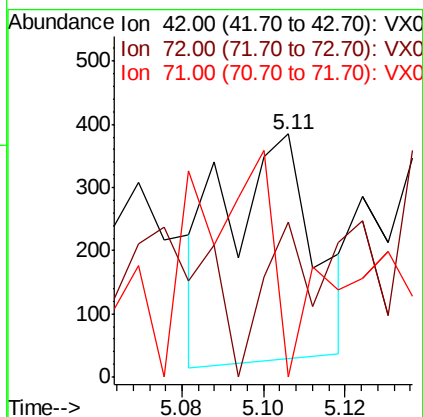
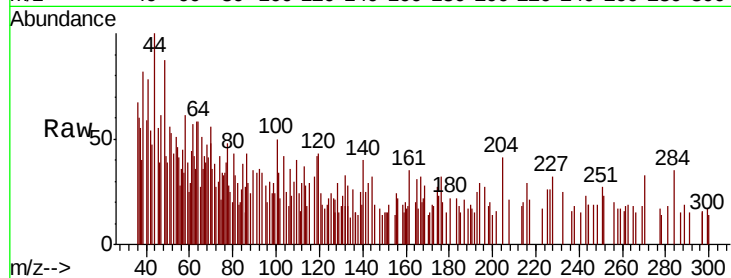
Tot Ion: 42 Resp: 541

Ion Ratio Lower Upper

42 100

72 34.9 36.4 54.6#

71 91.3 33.3 49.9#



#33

1,2-Dichloroethane-d4

Concen: 53.959 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015177.D

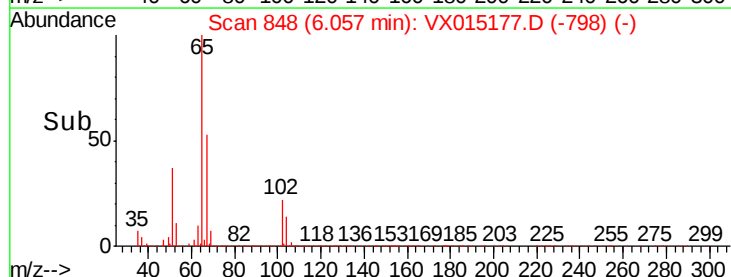
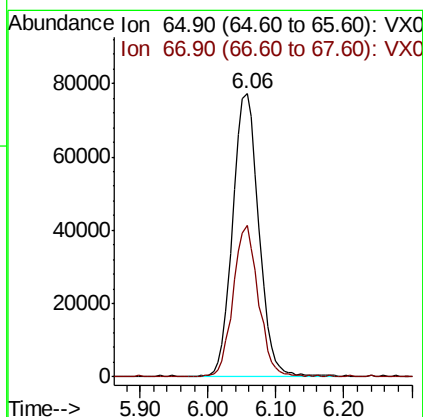
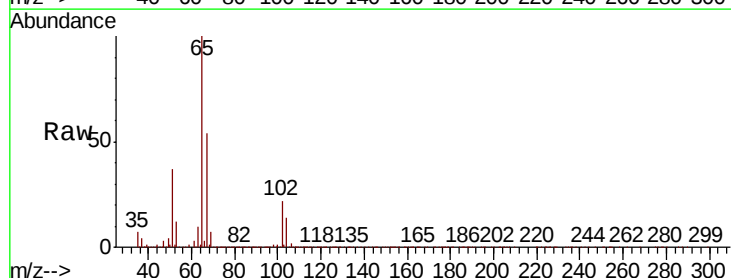
Acq: 10 Mar 2020 17:35

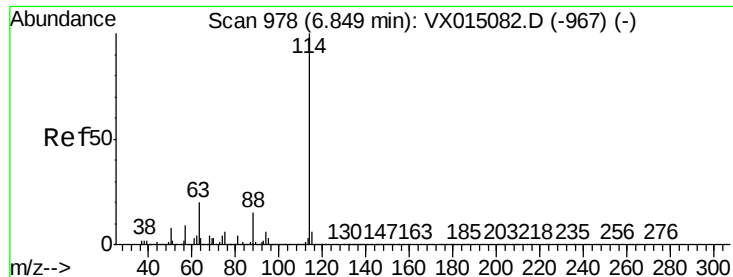
Tgt Ion: 65 Resp: 205417

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015177.D

Acq: 10 Mar 2020 17:35

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20200304DL

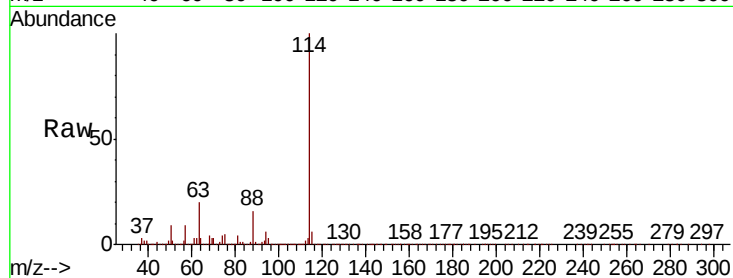
Tot Ion:114 Resp: 532888

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

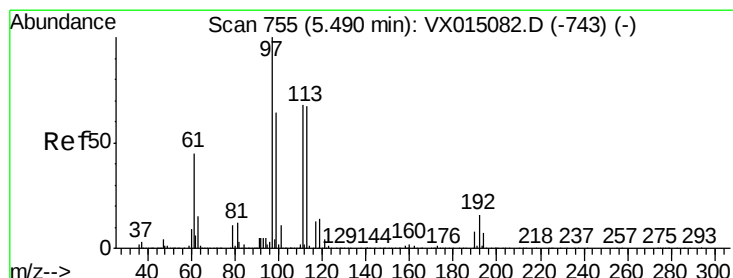
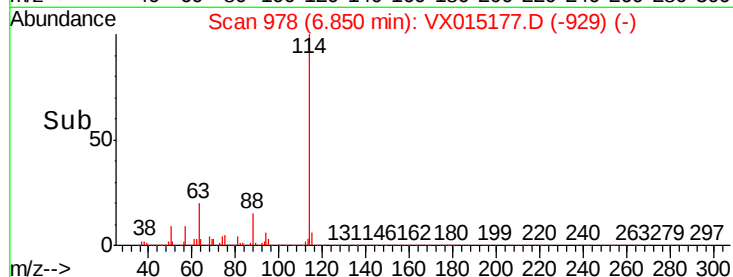
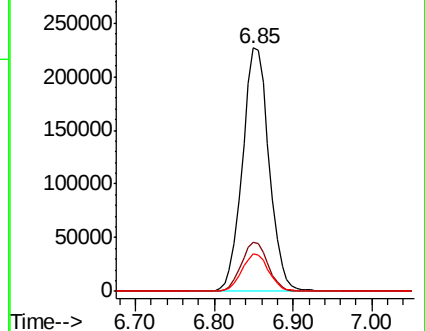
88 15.5 0.0 30.6



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: 49.791 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015177.D

Acq: 10 Mar 2020 17:35

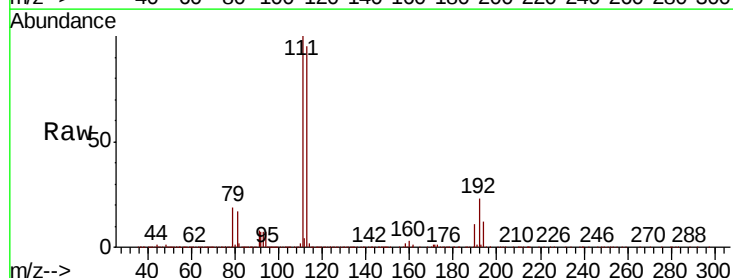
Tgt Ion:113 Resp: 167388

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

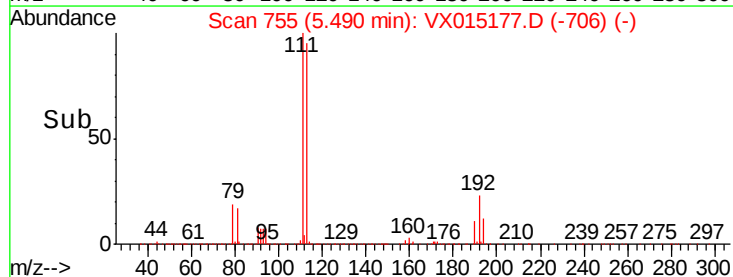
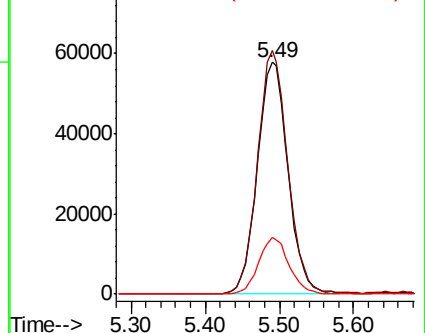
192 24.1 18.6 28.0

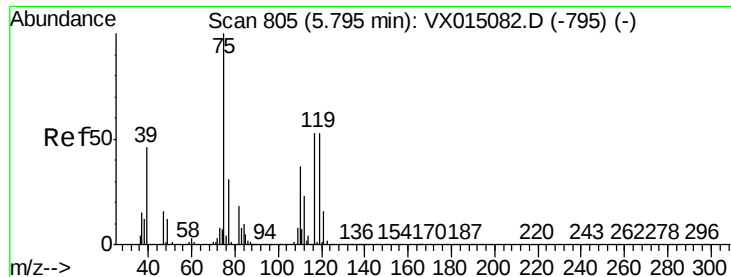


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

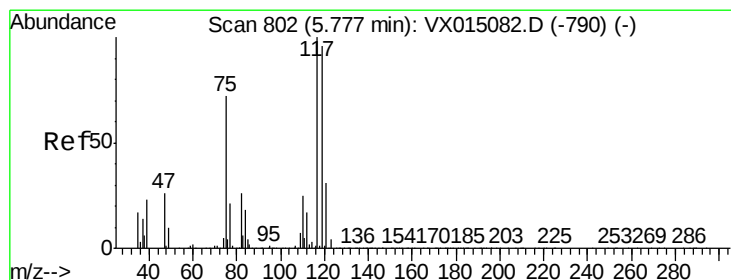
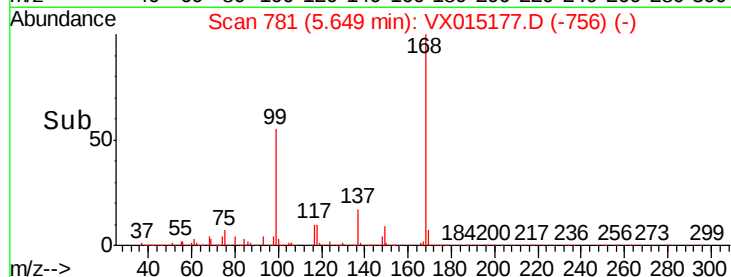
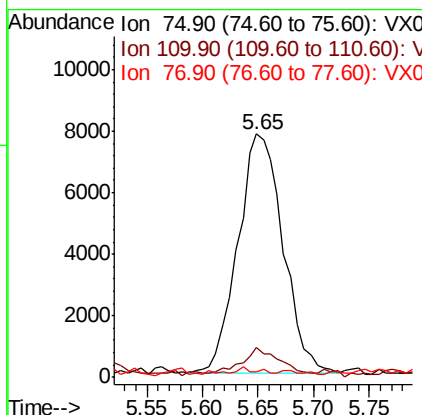
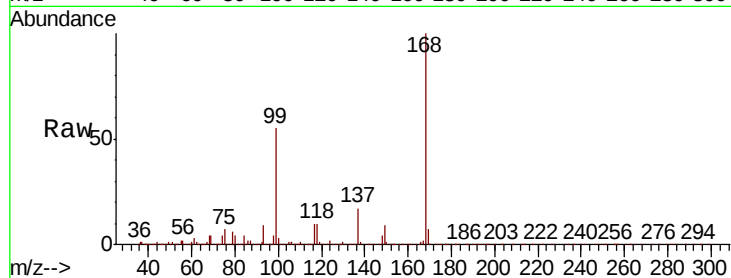




#36
 1,1-Dichloropropene
 Concen: 4.422 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015177.D
 Acq: 10 Mar 2020 17:35

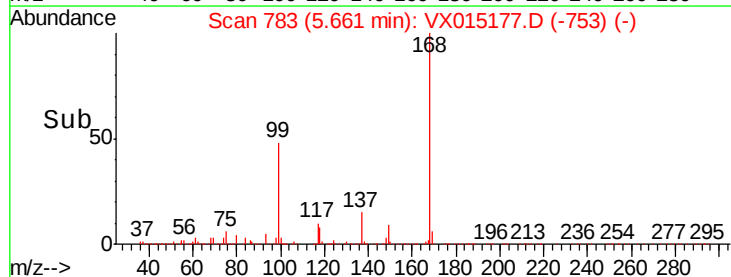
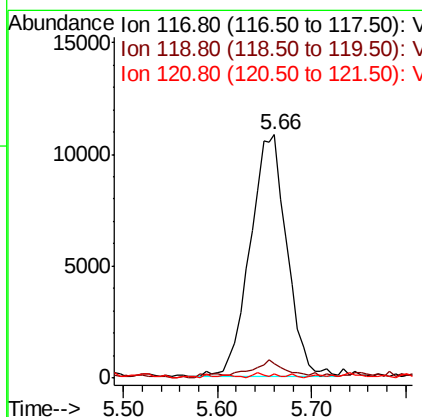
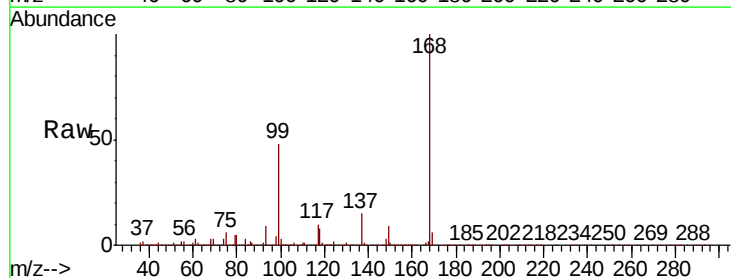
Instrument :
 MSVOA_X
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 RE108D2-20200304DL

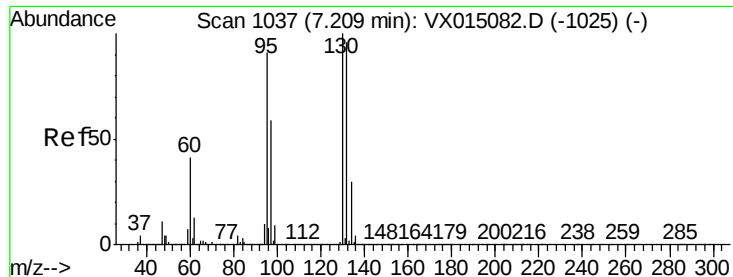
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.9	53.8#
77	0.6	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.374 ug/l
 RT: 5.66 min Scan# 783
 Delta R.T. -0.12 min
 Lab File: VX015177.D
 Acq: 10 Mar 2020 17:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.9	115.3#
121	1.2	24.6	37.0#





#44

Trichloroethene

Concen: 48.693 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015177.D

Acq: 10 Mar 2020 17:35

Instrument :

MSVOA_X

ClientSampleId :

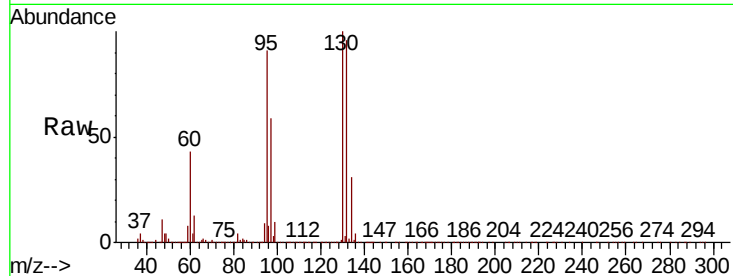
RE108D2-20200304DL

Tot Ion:130 Resp: 198199

Ion Ratio Lower Upper

130 100

95 90.8 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

100000

80000

60000

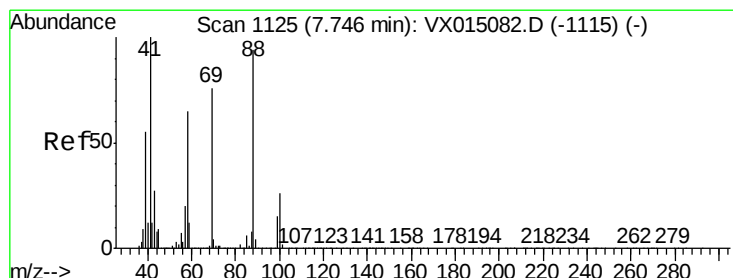
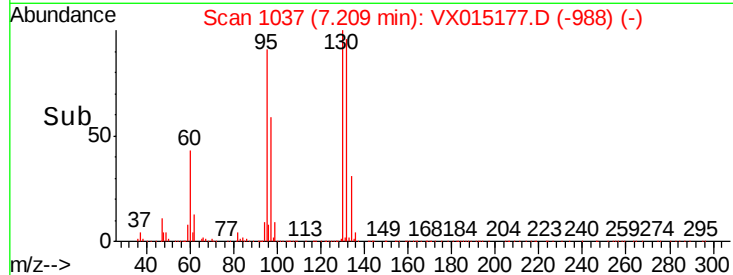
40000

20000

0

7.10 7.20 7.30

Time-->



#49

1,4-Dioxane

Concen: 3.403 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VX015177.D

Acq: 10 Mar 2020 17:35

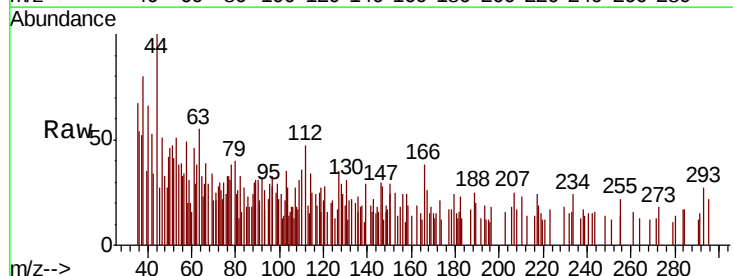
Tgt Ion: 88 Resp: 301

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

58 47.5 55.6 83.4#



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

800

600

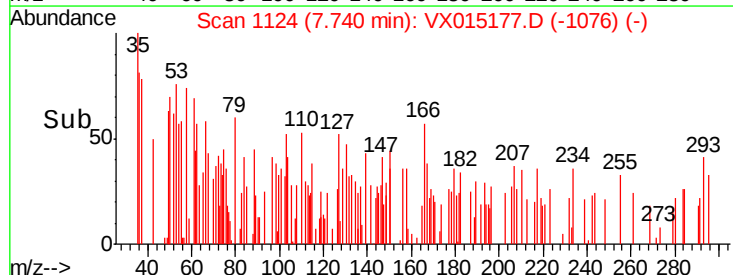
400

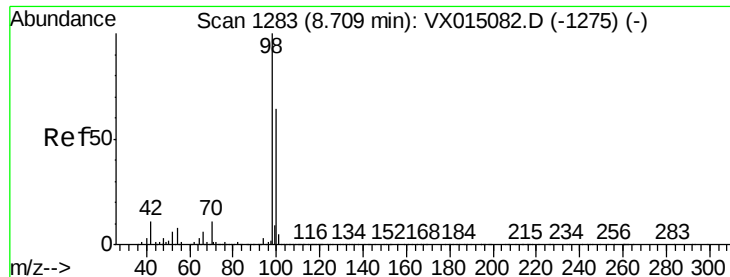
200

0

7.70 7.72 7.74 7.76

Time-->

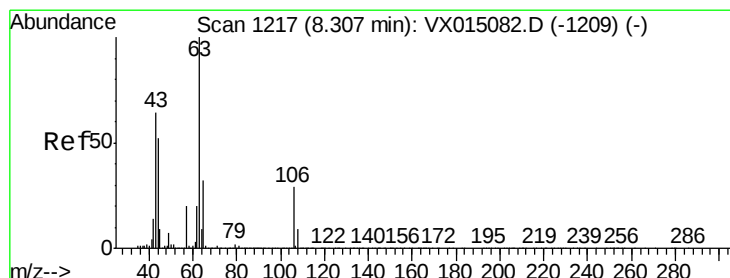
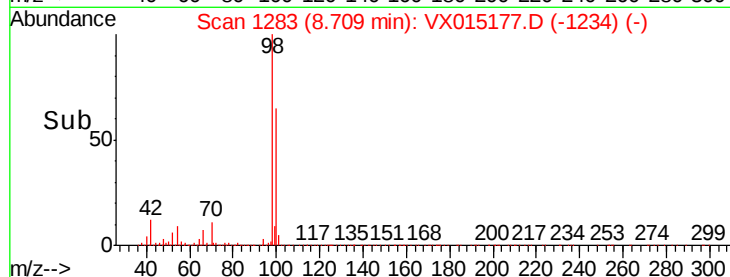
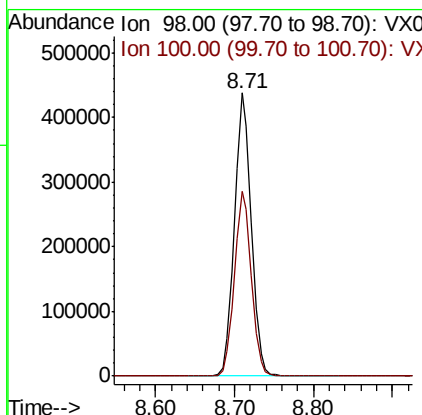
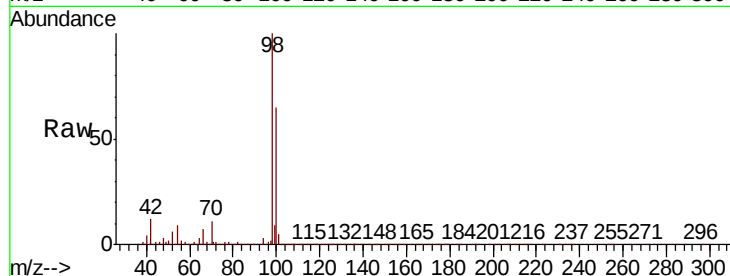




#50
Toluene-d8
Concen: 51.013 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015177.D
Acq: 10 Mar 2020 17:35

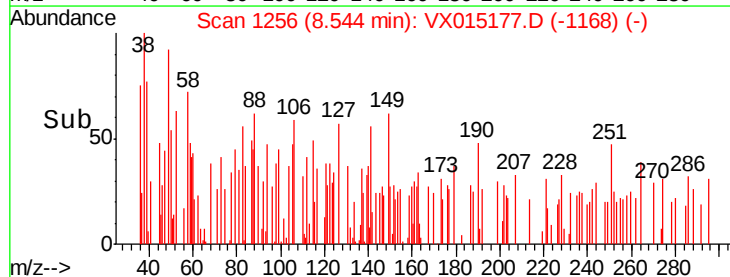
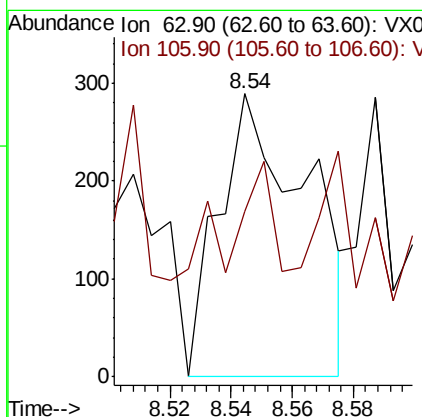
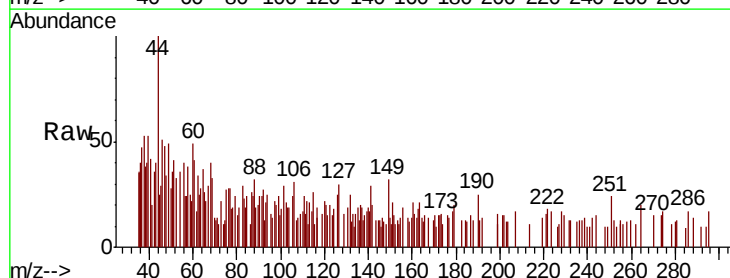
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20200304DL

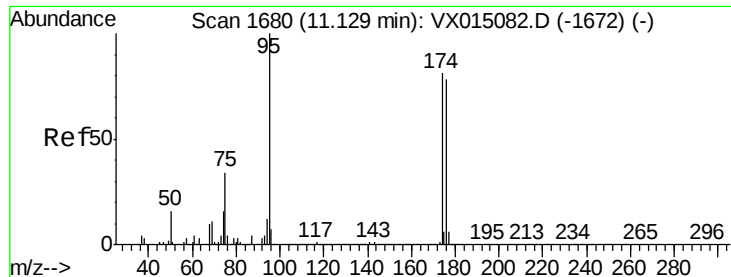
Tot Ion: 98 Resp: 652351
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#58
2-Chloroethyl Vinyl ether
Concen: 0.202 ug/l
RT: 8.54 min Scan# 1256
Delta R.T. 0.24 min
Lab File: VX015177.D
Acq: 10 Mar 2020 17:35

Tgt Ion: 63 Resp: 577
Ion Ratio Lower Upper
63 100
106 23.1 22.8 34.2

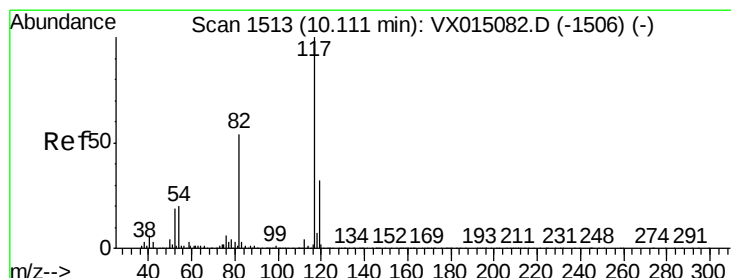
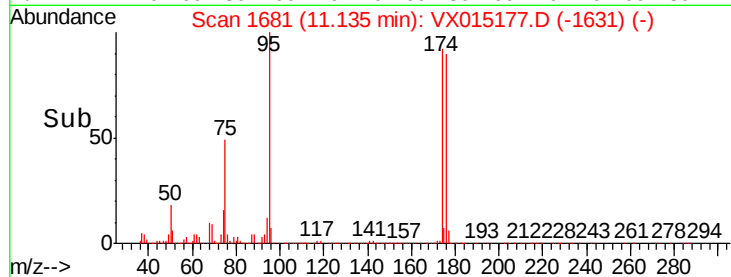
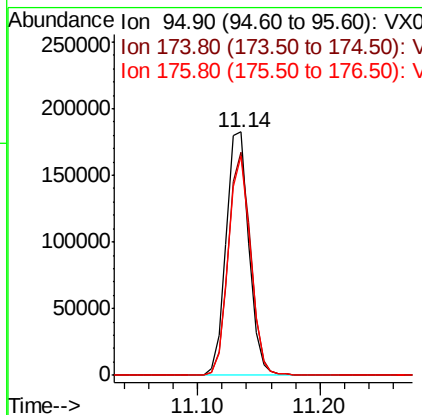
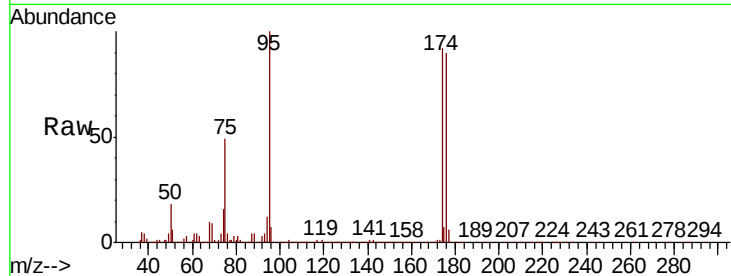




#62
4-Bromofluorobenzene
Concen: 51.504 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015177.D
Acq: 10 Mar 2020 17:35

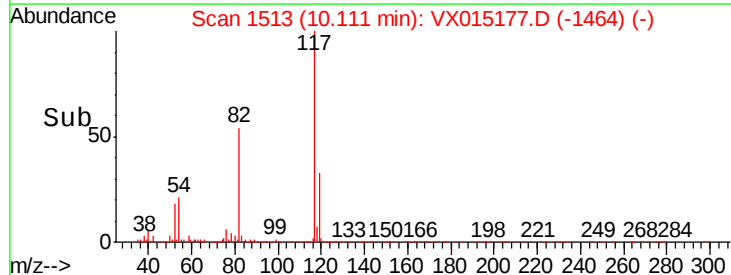
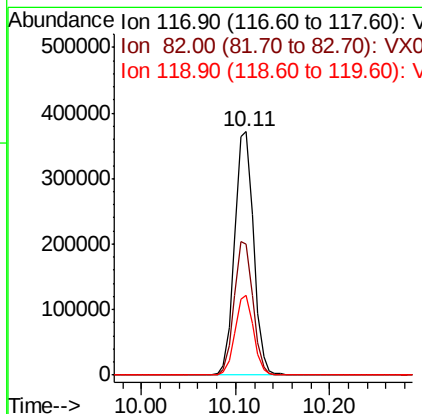
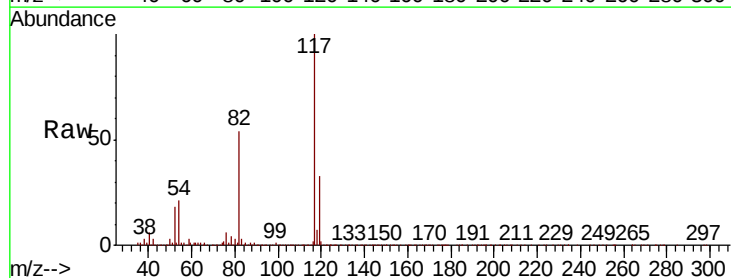
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20200304DL

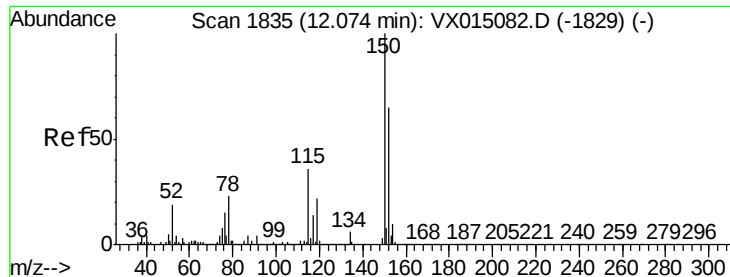
Tot Ion: 95 Resp: 234926
Ion Ratio Lower Upper
95 100
174 89.6 0.0 177.6
176 87.7 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015177.D
Acq: 10 Mar 2020 17:35

Tgt Ion: 117 Resp: 519748
Ion Ratio Lower Upper
117 100
82 53.8 43.3 64.9
119 32.8 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015177.D

Acq: 10 Mar 2020 17:35

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20200304DL

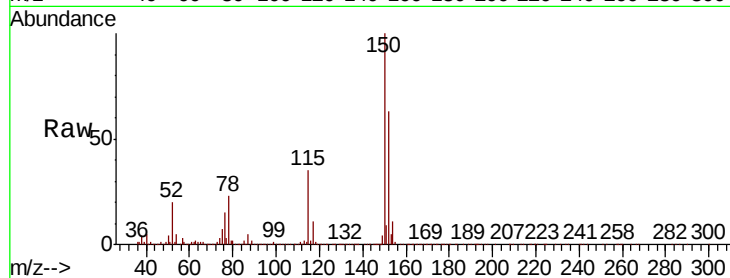
Tot Ion:152 Resp: 265619

Ion Ratio Lower Upper

152 100

115 55.3 38.2 114.6

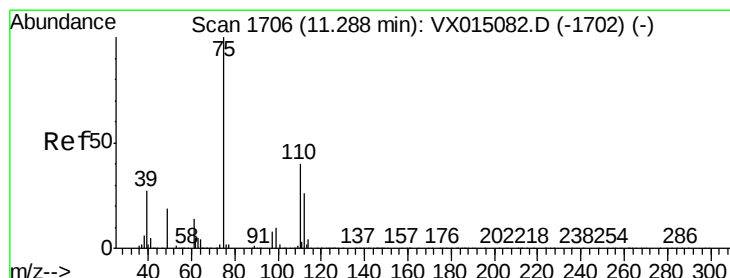
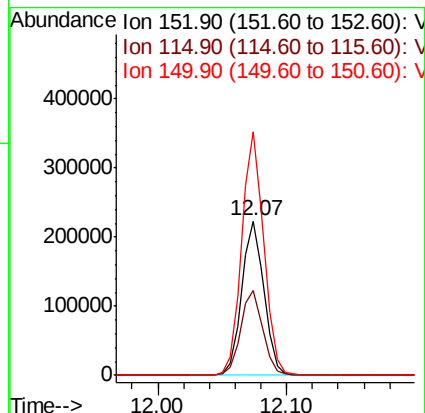
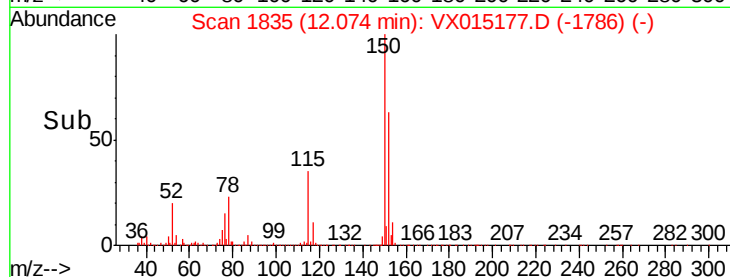
150 156.6 0.0 343.8



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: 22.443 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015177.D

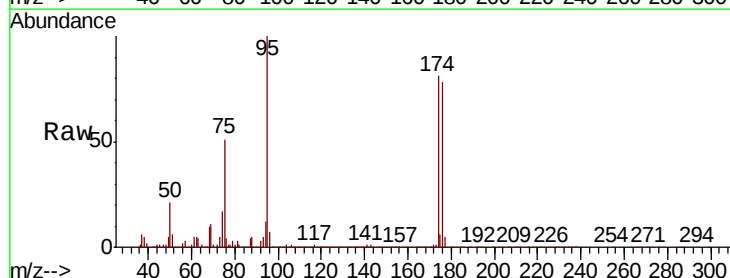
Acq: 10 Mar 2020 17:35

Tgt Ion: 75 Resp: 118908

Ion Ratio Lower Upper

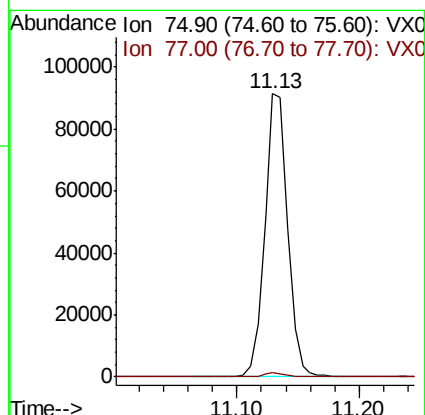
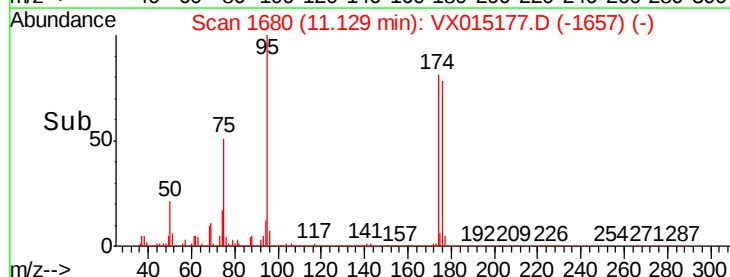
75 100

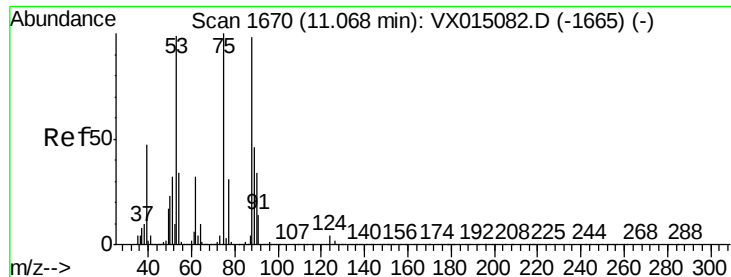
77 1.9 22.6 67.8#



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: 63.693 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015177.D

Acq: 10 Mar 2020 17:35

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20200304DL

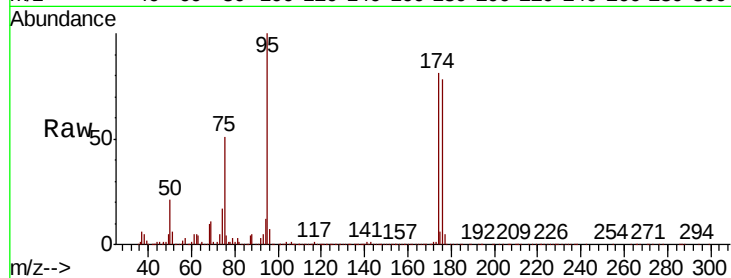
Tot Ion: 75 Resp: 118908

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

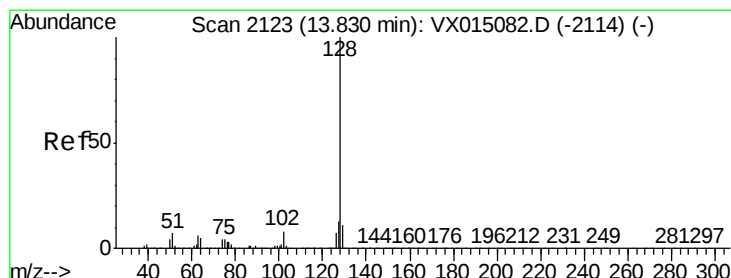
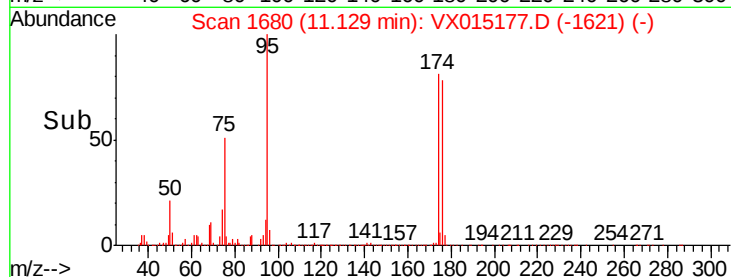
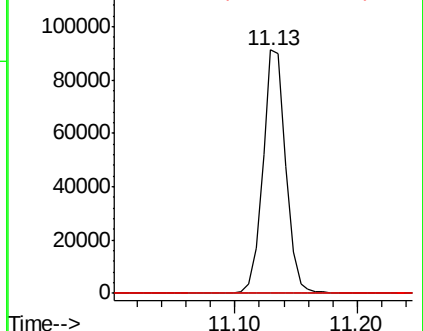
89 0.0 36.2 54.2#



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



#95

Naphthalene

Concen: 1.441 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX015177.D

Acq: 10 Mar 2020 17:35

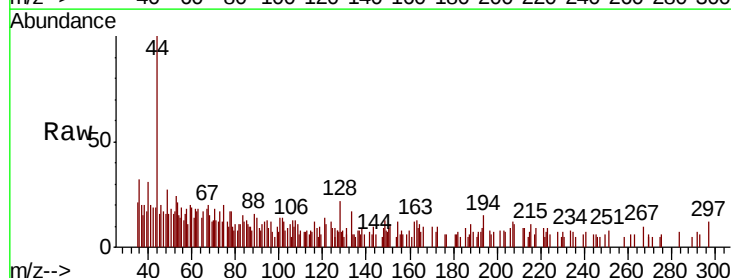
Tgt Ion:128 Resp: 383

Ion Ratio Lower Upper

128 100

127 37.1 10.3 15.5#

129 113.8 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

