

Data File : VX013937.D
Acq On : 11 Dec 2019 12:24
Operator : JC/SP
Sample : K6185-02DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20191204DL

Quant Time: Dec 12 03:58:04 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	541442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	832442	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	754560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	359767	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	302614	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	5.48	113	248169	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
50) Toluene-d8	8.71	98	999027	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.14	95	353102	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	

Target Compounds

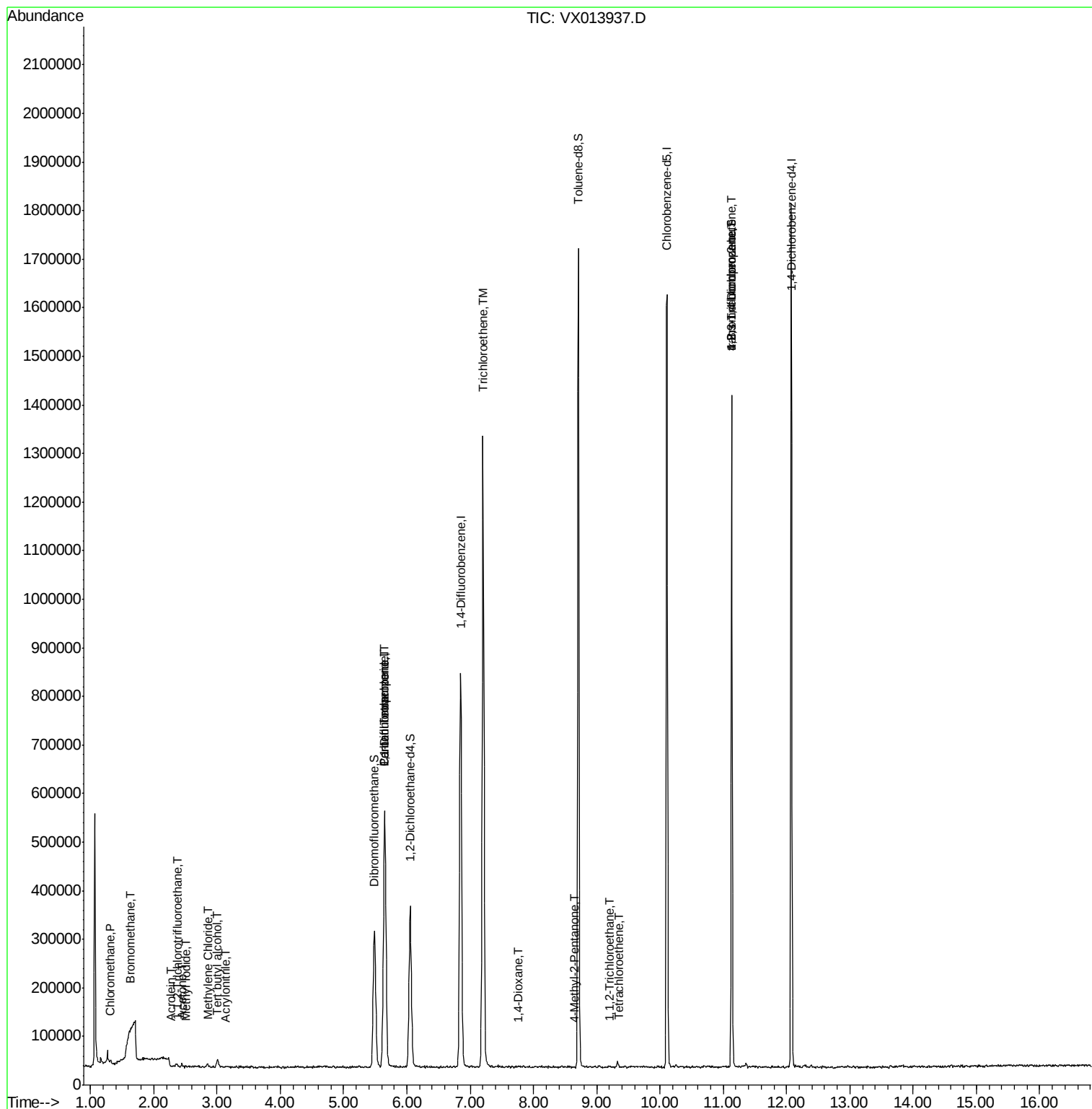
						Qvalue
3) Chloromethane	1.31	50	1536	0.227	ug/l #	39
5) Bromomethane	1.63	94	2795	0.547	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2540	0.492	ug/l #	79
10) Methyl Iodide	2.50	142	1992	0.319	ug/l #	71
11) Tert butyl alcohol	3.01	59	10284	6.629	ug/l #	86
13) Acrolein	2.28	56	379	6.360	ug/l	99
15) Acrylonitrile	3.14	53	2172	0.678	ug/l #	92
16) Acetone	2.44	43	6335	2.042	ug/l #	85
20) Methylene Chloride	2.85	84	4041	0.678	ug/l #	74
36) 1,1-Dichloropropene	5.65	75	36821	4.873	ug/l #	52
38) Carbon Tetrachloride	5.65	117	47718	6.848	ug/l #	14
44) Trichloroethene	7.20	130	513546	81.305	ug/l	98
49) 1,4-Dioxane	7.75	88	260	1.713	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1838	0.209	ug/l #	86
55) 1,1,2-Trichloroethane	9.21	97	1245	0.216	ug/l #	62
64) Tetrachloroethene	9.34	164	1304	0.232	ug/l #	51
76) 1,2,3-Trichloropropane	11.14	75	173849	21.485	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	173849	58.778	ug/l #	11

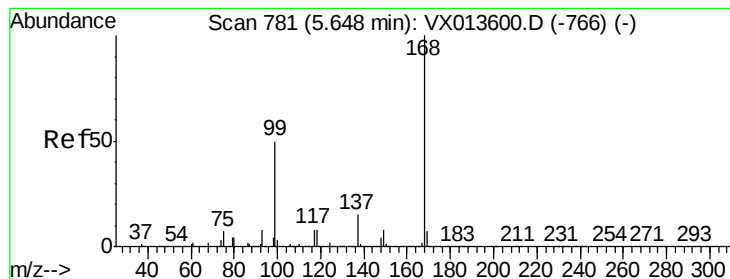
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

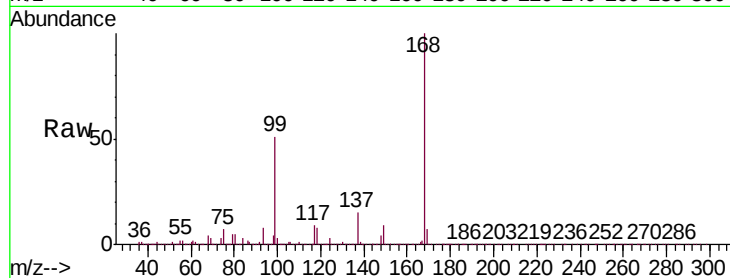
RE103D2-20191204DL

Tgt Ion:168 Resp: 541442

Ion Ratio Lower Upper

168 100

99 51.2 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

200000

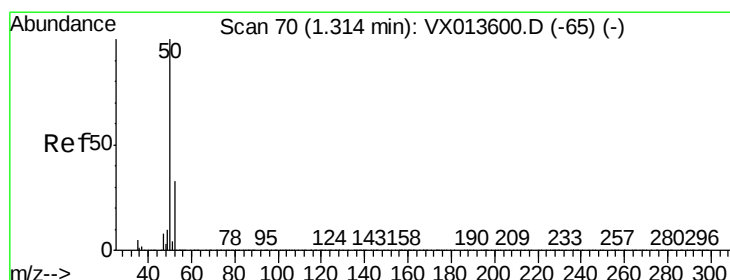
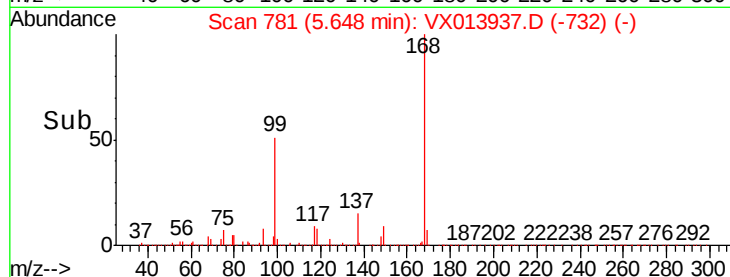
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VX013937.D

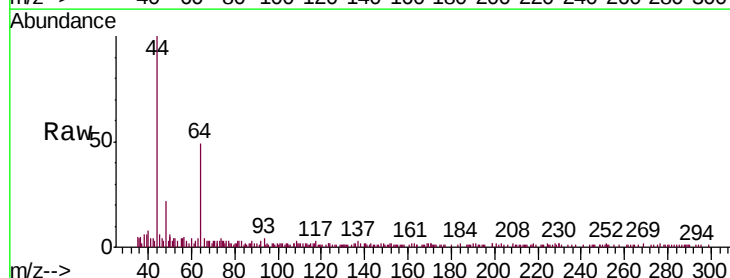
Acq: 11 Dec 2019 12:24

Tgt Ion: 50 Resp: 1536

Ion Ratio Lower Upper

50 100

52 66.7 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

800

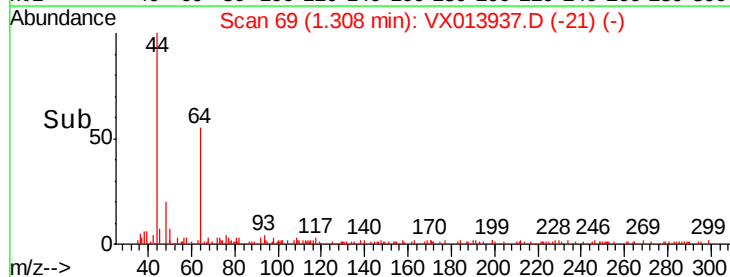
600

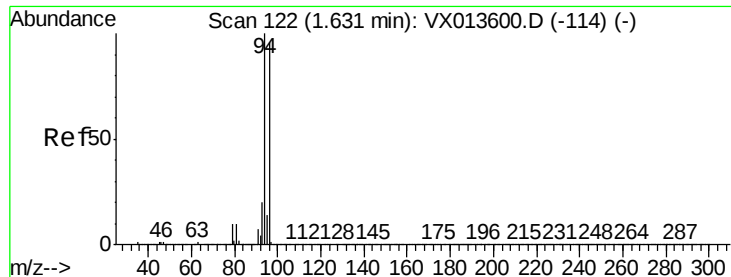
400

200

0

Time-->





#5

Bromomethane

Concen: 0.547 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

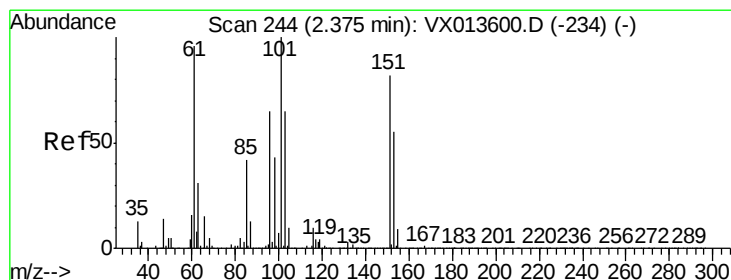
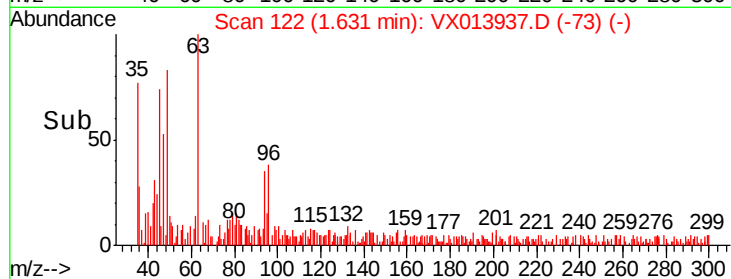
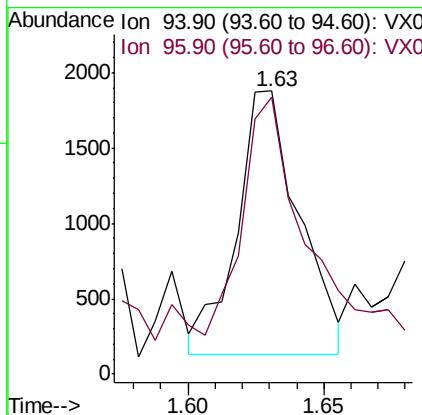
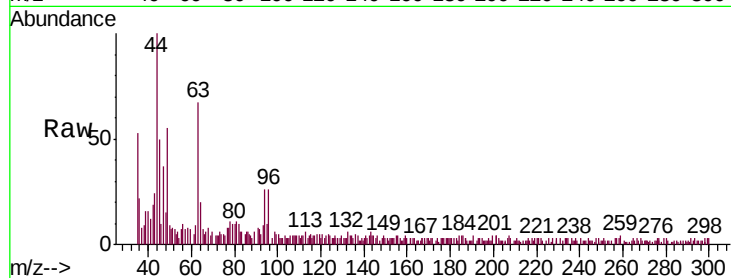
RE103D2-20191204DL

Tgt Ion: 94 Resp: 2795

Ion Ratio Lower Upper

94 100

96 98.4 77.0 115.4



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.492 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

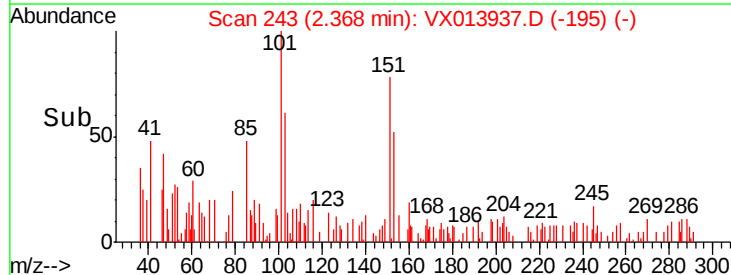
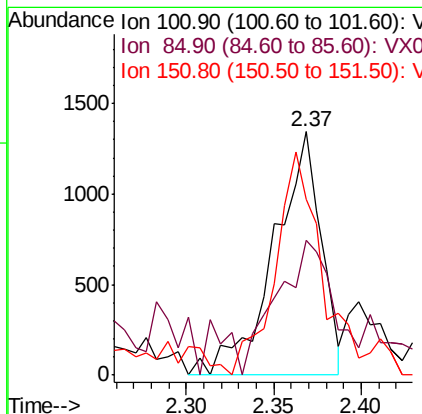
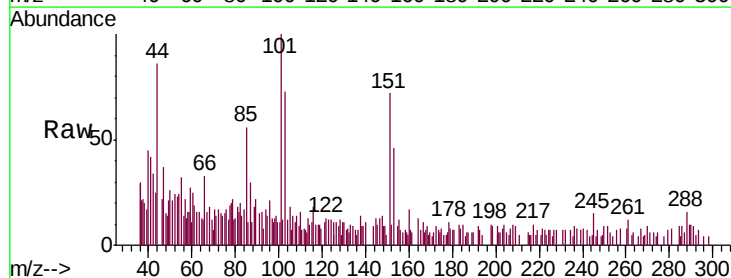
Tgt Ion: 101 Resp: 2540

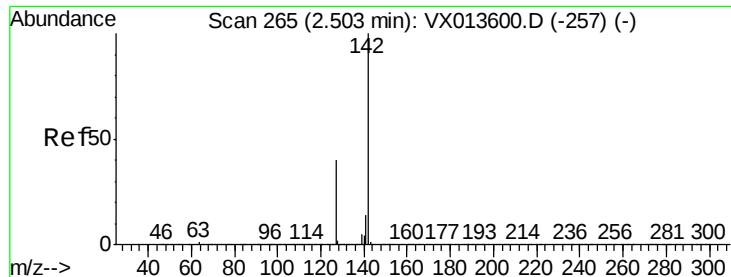
Ion Ratio Lower Upper

101 100

85 66.7 33.9 50.9#

151 90.2 64.2 96.2

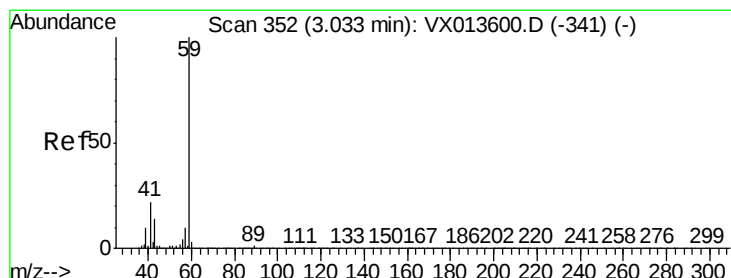
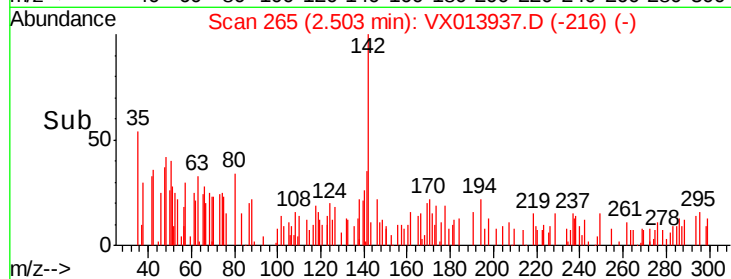
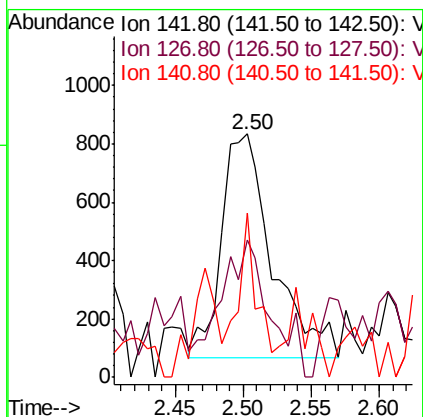
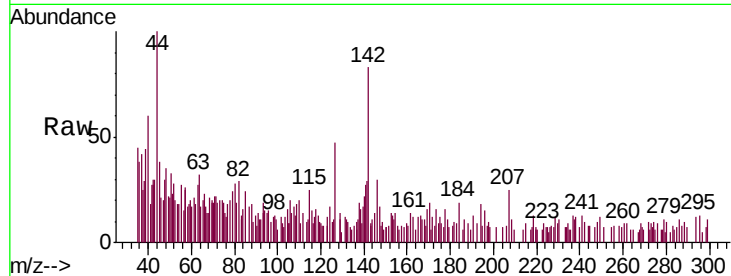




#10
Methyl Iodide
Concen: 0.319 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013937.D
Acq: 11 Dec 2019 12:24

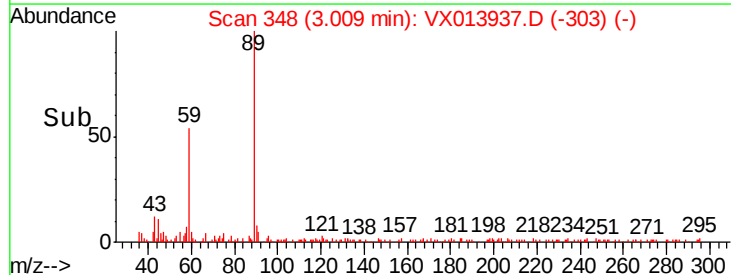
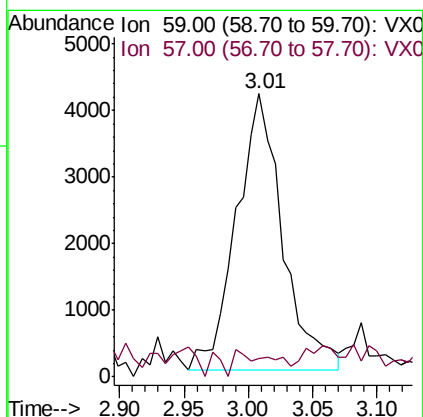
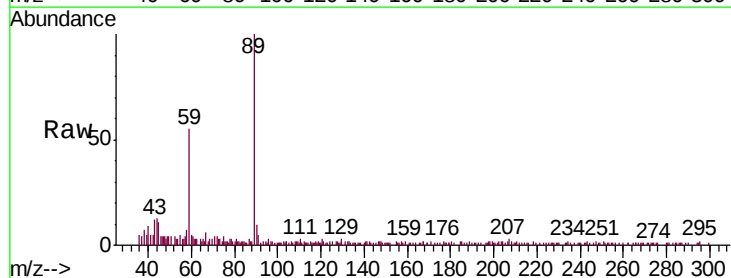
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20191204DL

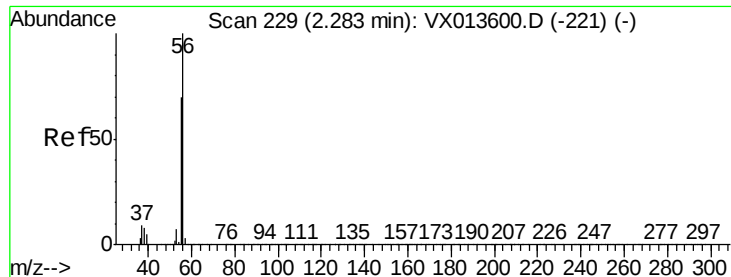
Tgt Ion:142 Resp: 1992
Ion Ratio Lower Upper
142 100
127 56.0 31.0 46.4#
141 26.7 11.6 17.4#



#11
Tert butyl alcohol
Concen: 6.629 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013937.D
Acq: 11 Dec 2019 12:24

Tgt Ion: 59 Resp: 10284
Ion Ratio Lower Upper
59 100
57 4.5 7.8 11.6#





#13

Acrolein

Concen: 6.360 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

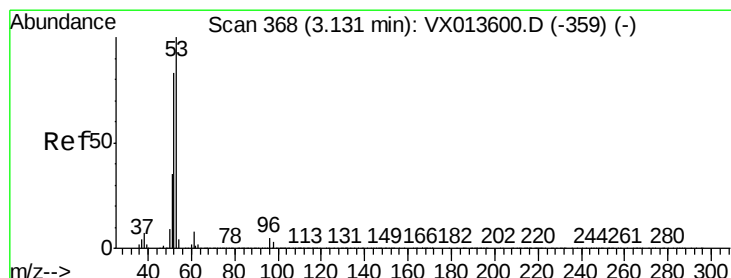
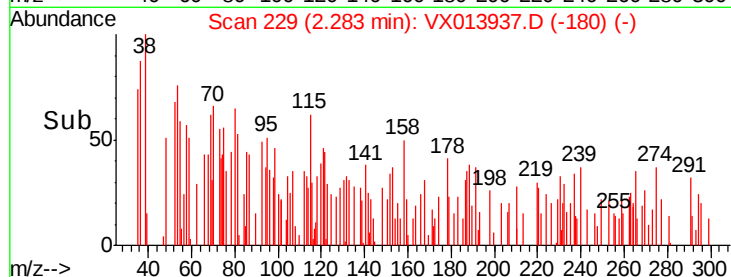
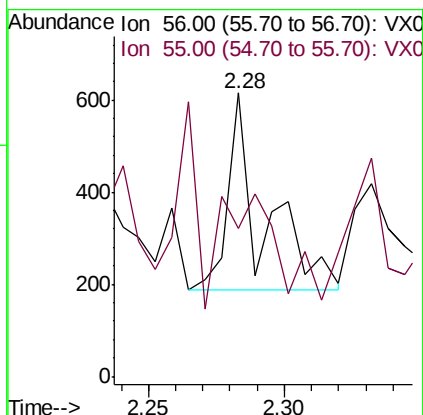
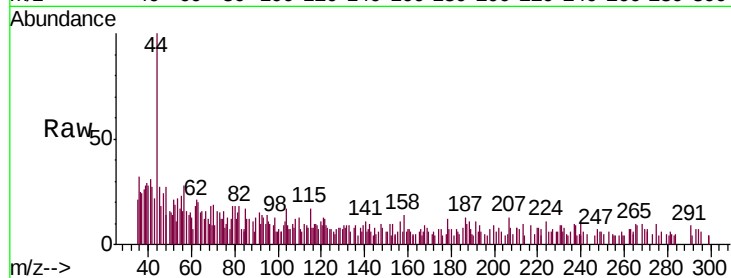
RE103D2-20191204DL

Tgt Ion: 56 Resp: 379

Ion Ratio Lower Upper

56 100

55 69.1 56.2 84.4



#15

Acrylonitrile

Concen: 0.678 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

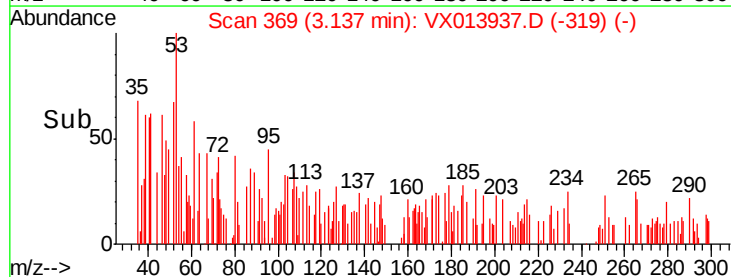
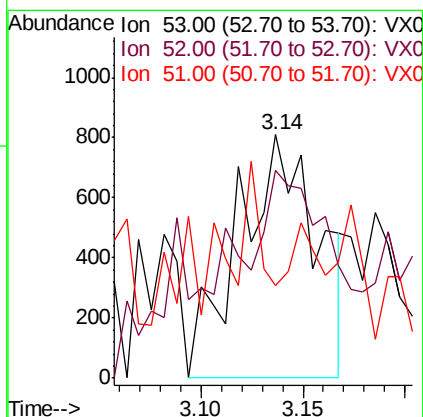
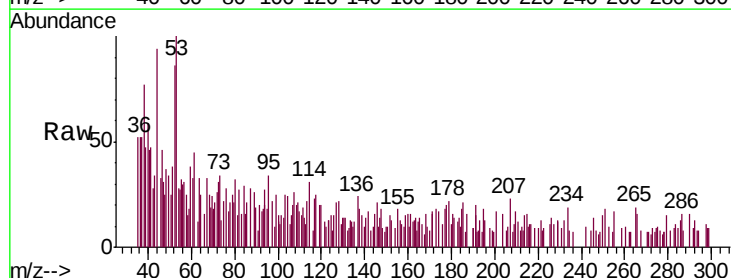
Tgt Ion: 53 Resp: 2172

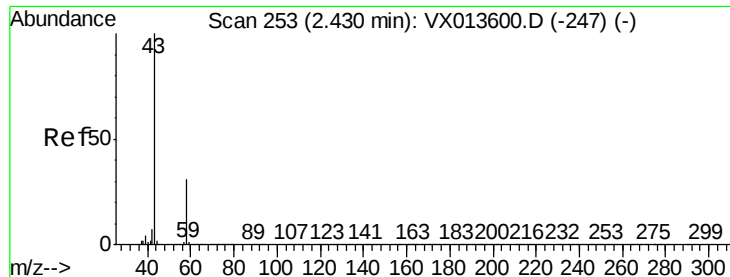
Ion Ratio Lower Upper

53 100

52 84.1 66.2 99.2

51 23.4 29.0 43.6#





#16

Acetone

Concen: 2.042 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

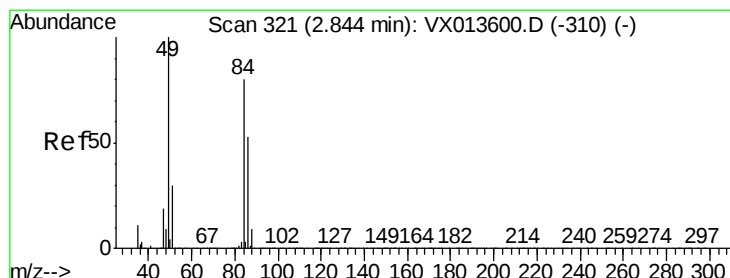
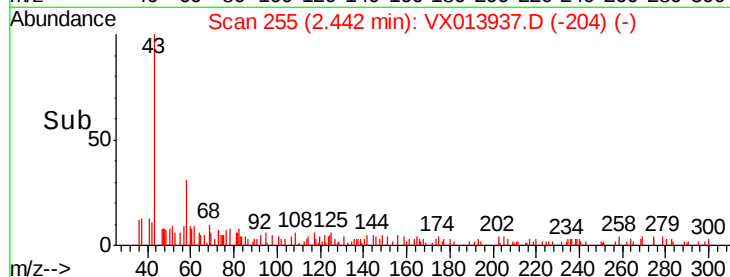
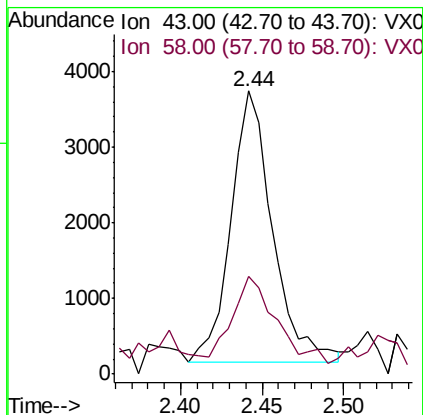
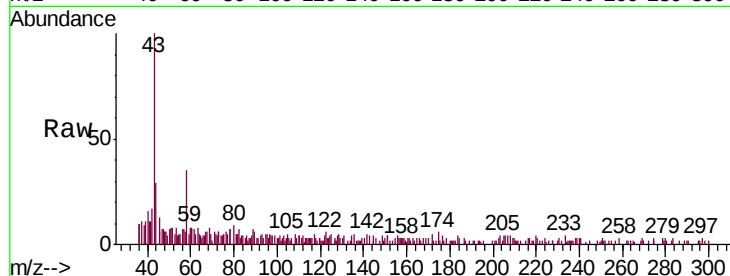
RE103D2-20191204DL

Tgt Ion: 43 Resp: 6335

Ion Ratio Lower Upper

43 100

58 22.2 24.6 36.8#



#20

Methylene Chloride

Concen: 0.678 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Tgt Ion: 84 Resp: 4041

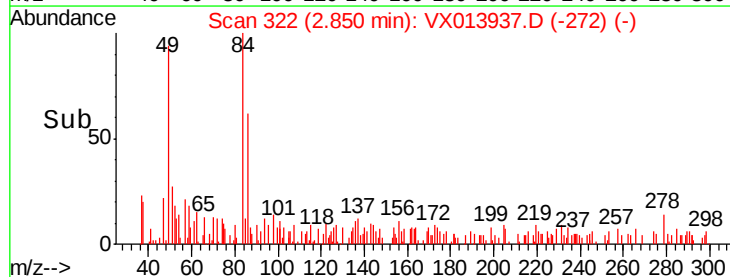
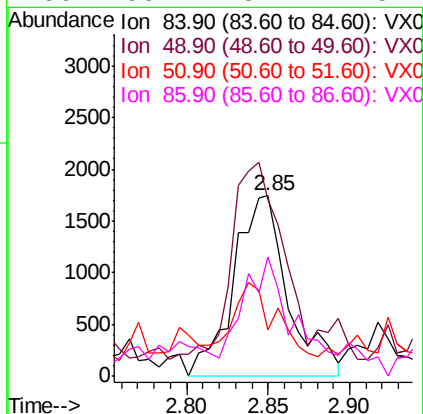
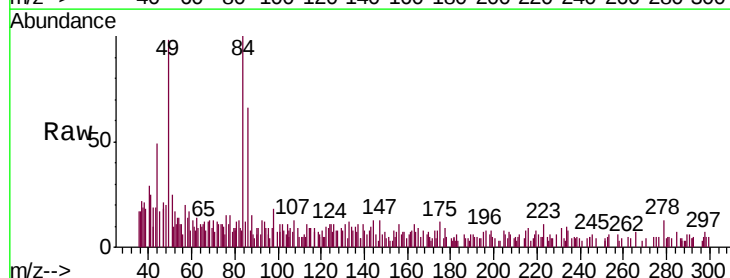
Ion Ratio Lower Upper

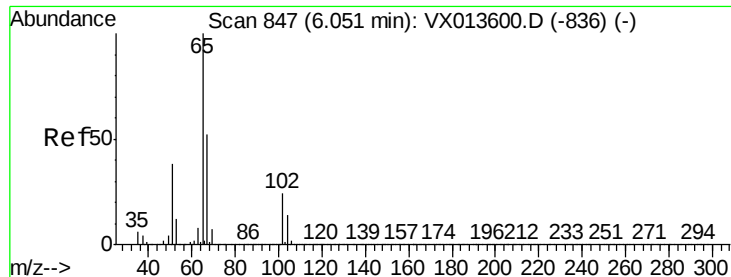
84 100

49 86.2 99.7 149.5#

51 23.7 29.9 44.9#

86 55.2 52.2 78.4





#33

1,2-Dichloroethane-d4

Concen: 48.149 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

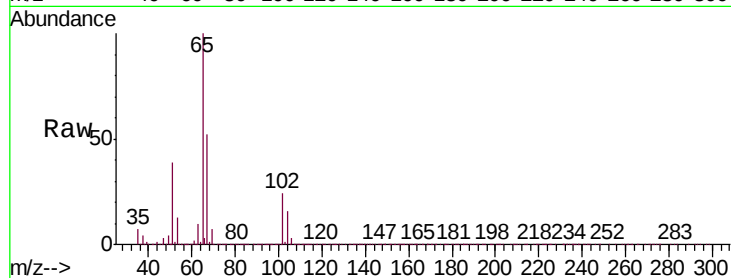
RE103D2-20191204DL

Tgt Ion: 65 Resp: 302614

Ion Ratio Lower Upper

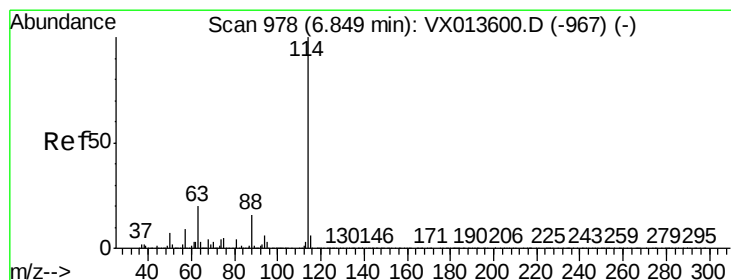
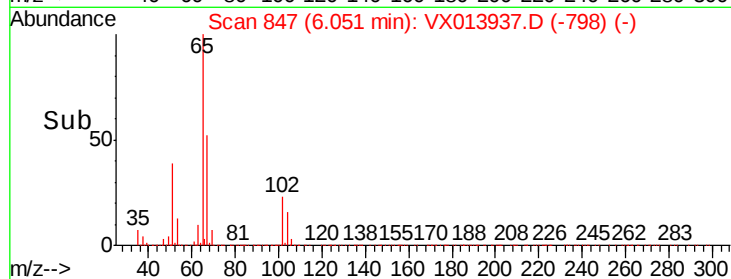
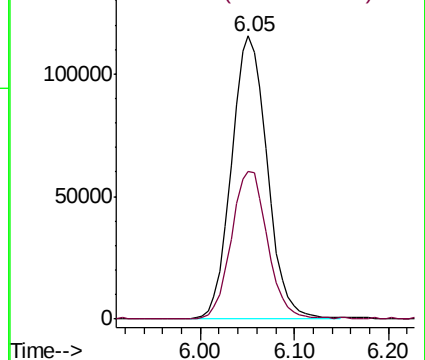
65 100

67 52.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

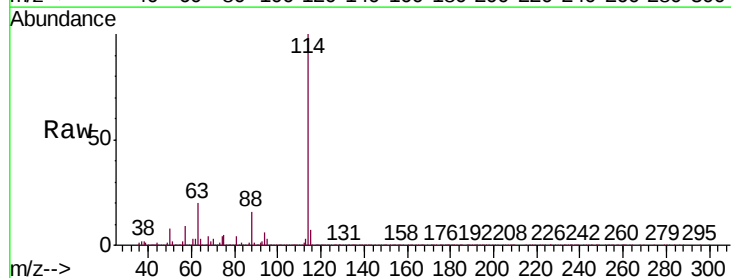
Tgt Ion: 114 Resp: 832442

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

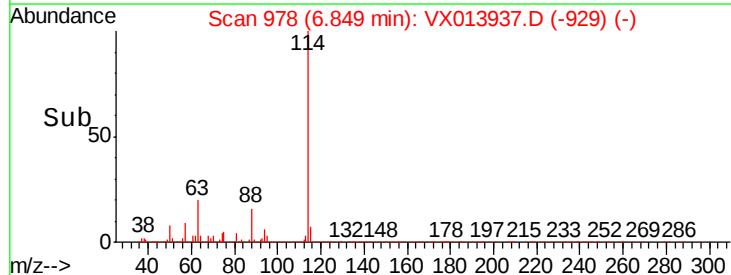
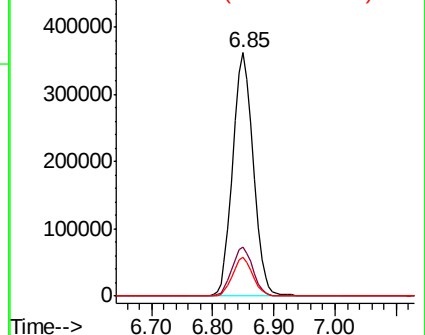
88 16.1 0.0 31.4

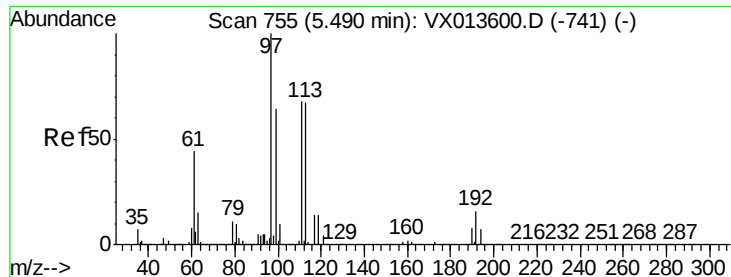


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.223 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

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RE103D2-20191204DL

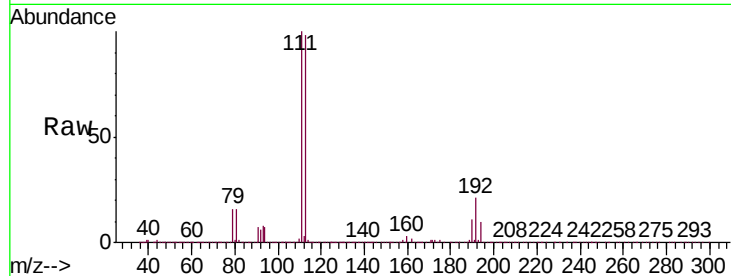
Tgt Ion:113 Resp: 248169

Ion Ratio Lower Upper

113 100

111 102.1 83.6 125.4

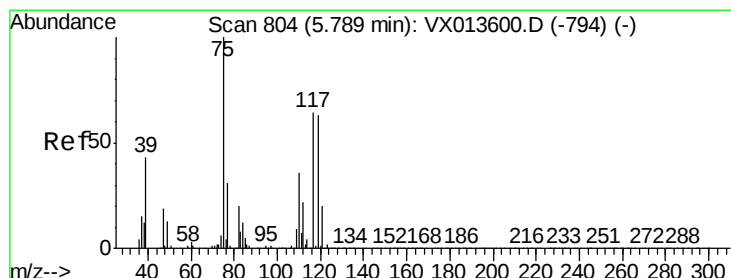
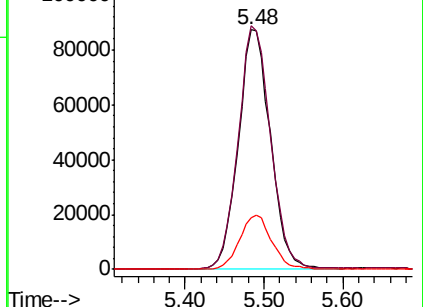
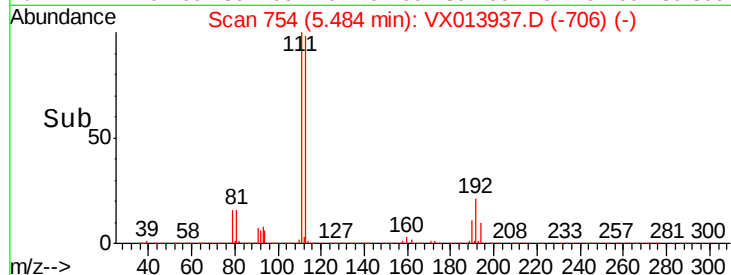
192 22.6 19.2 28.8



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: 4.873 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

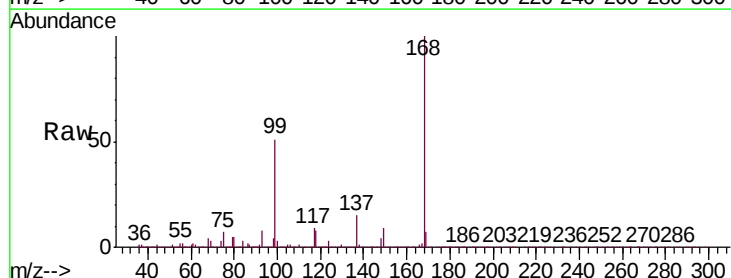
Tgt Ion: 75 Resp: 36821

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.1#

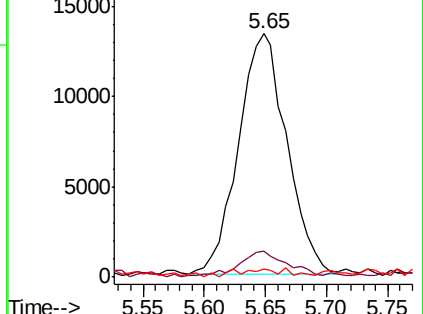
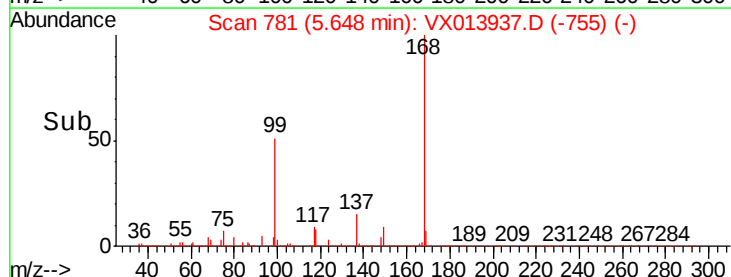
77 1.1 24.5 36.7#

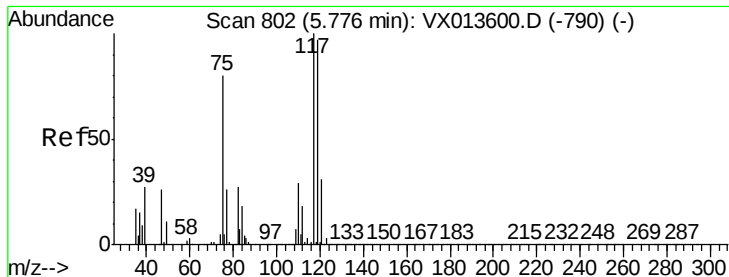


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.848 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20191204DL

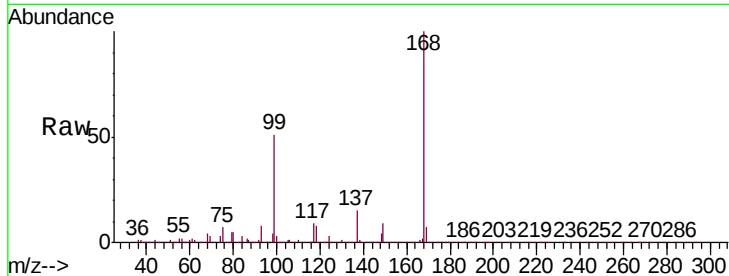
Tgt Ion:117 Resp: 47718

Ion Ratio Lower Upper

117 100

119 3.1 77.5 116.3#

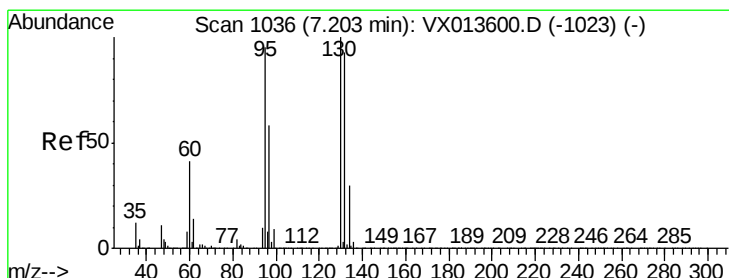
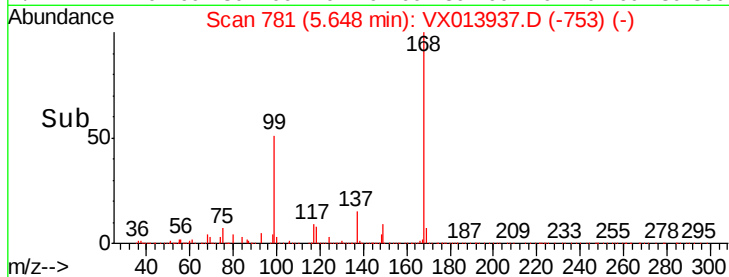
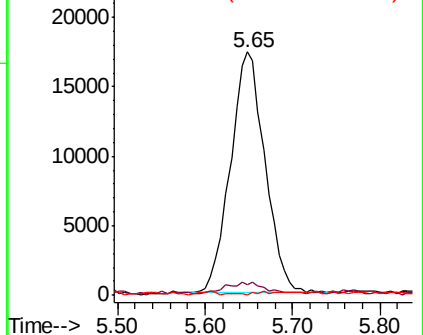
121 0.4 25.0 37.6#



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



#44

Trichloroethene

Concen: 81.305 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013937.D

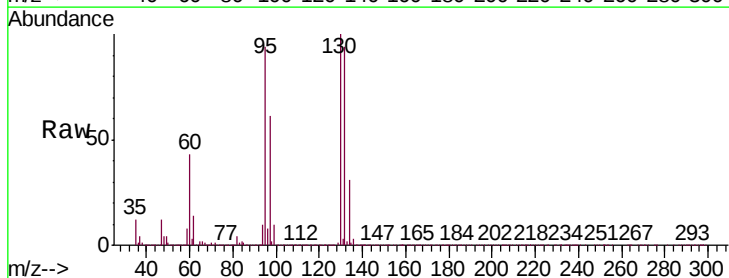
Acq: 11 Dec 2019 12:24

Tgt Ion:130 Resp: 513546

Ion Ratio Lower Upper

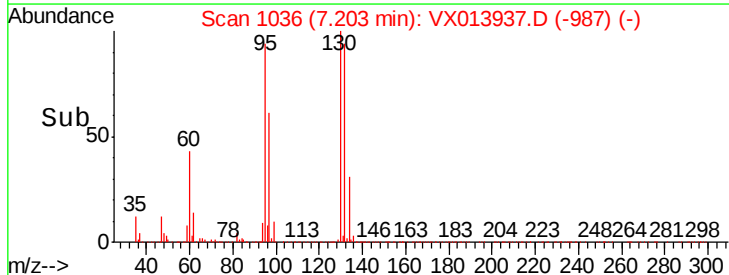
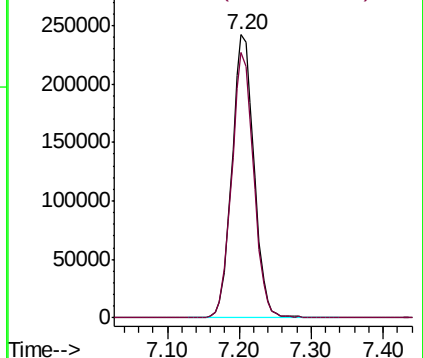
130 100

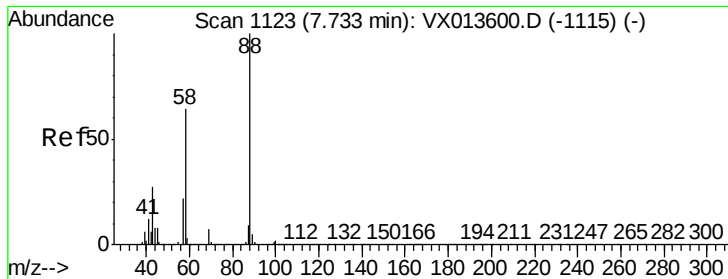
95 93.8 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 1.713 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20191204DL

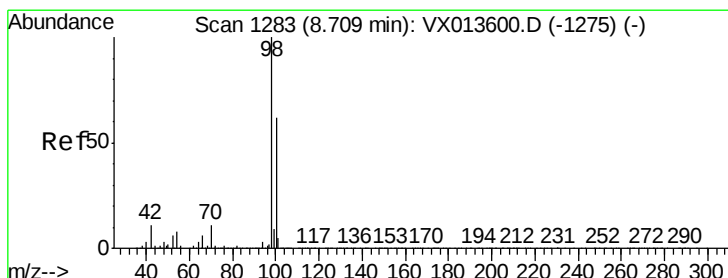
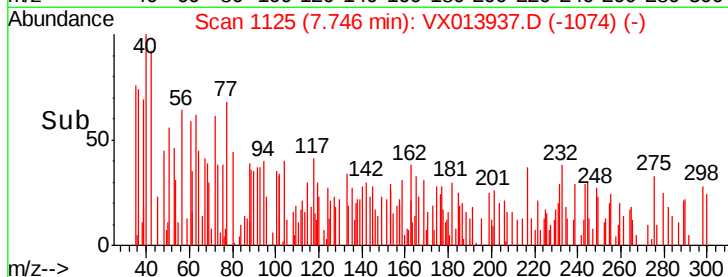
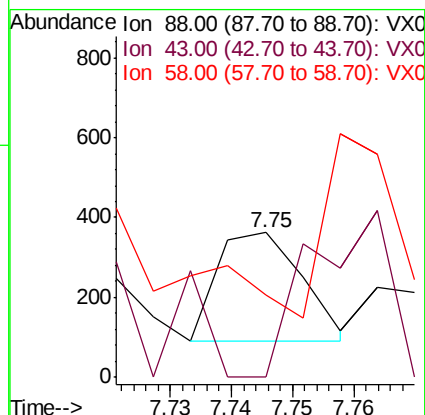
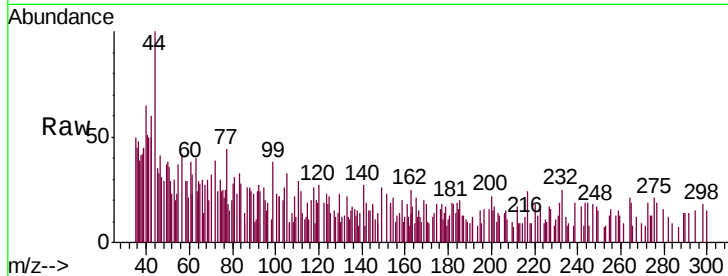
Tgt Ion: 88 Resp: 260

Ion Ratio Lower Upper

88 100

43 144.2 25.8 38.6#

58 372.3 54.6 82.0#



#50

Toluene-d8

Concen: 49.826 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013937.D

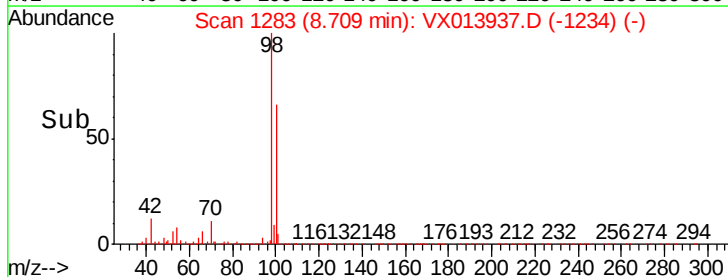
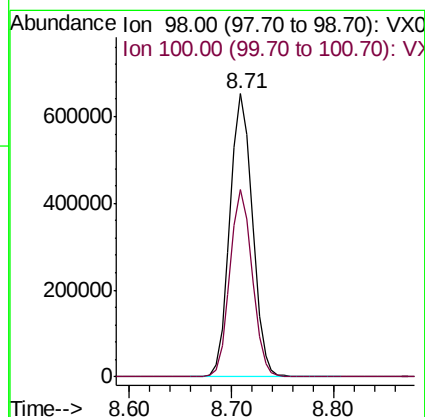
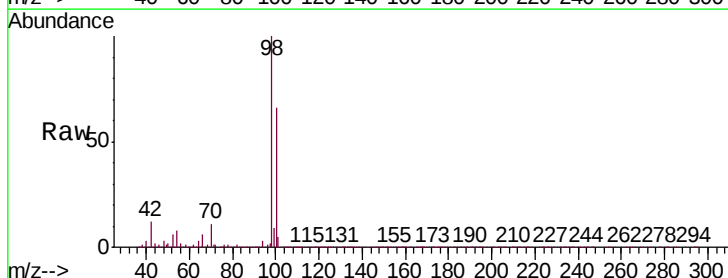
Acq: 11 Dec 2019 12:24

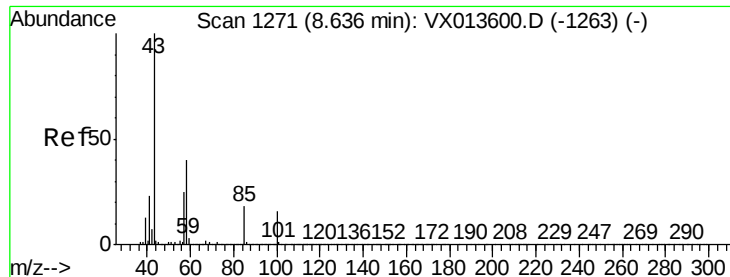
Tgt Ion: 98 Resp: 999027

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7

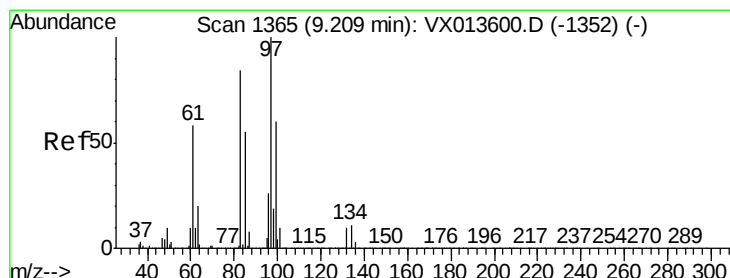
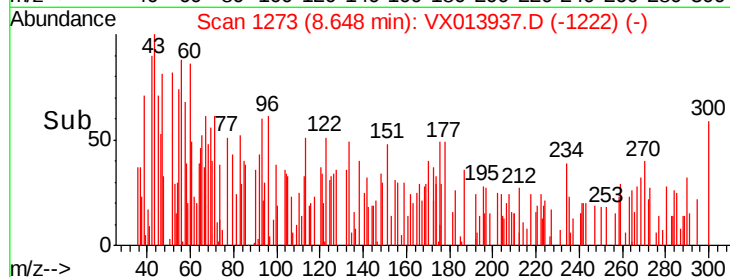
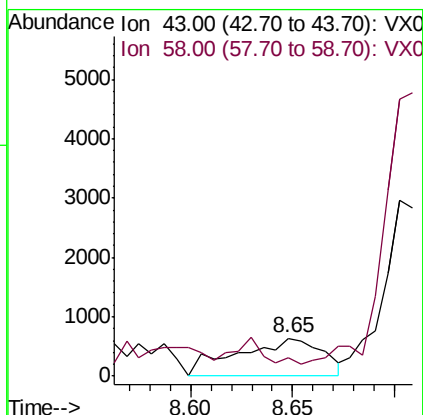
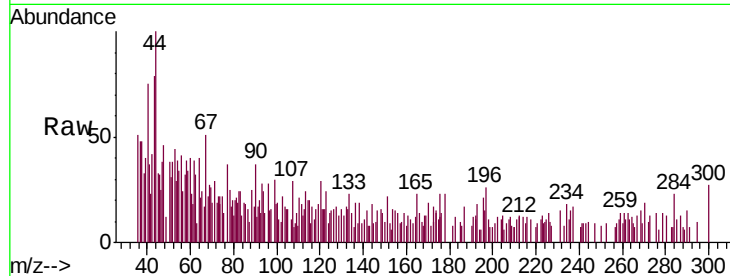




#51
4-Methyl-2-Pentanone
Concen: 0.209 ug/l
RT: 8.65 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VX013937.D
Acq: 11 Dec 2019 12:24

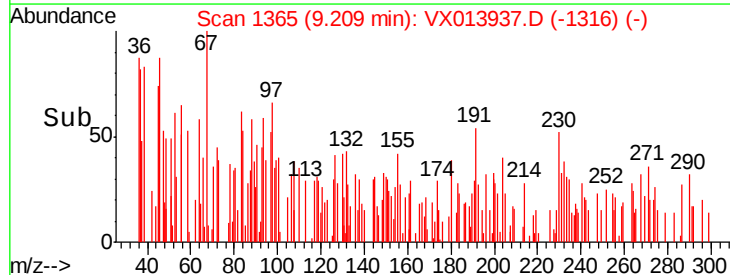
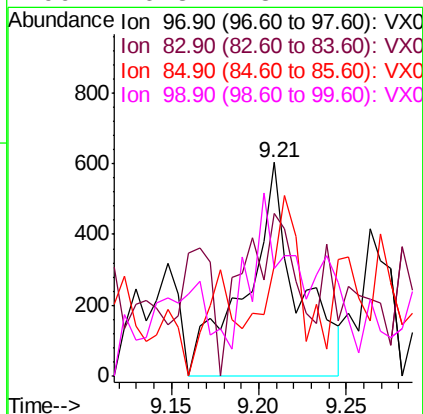
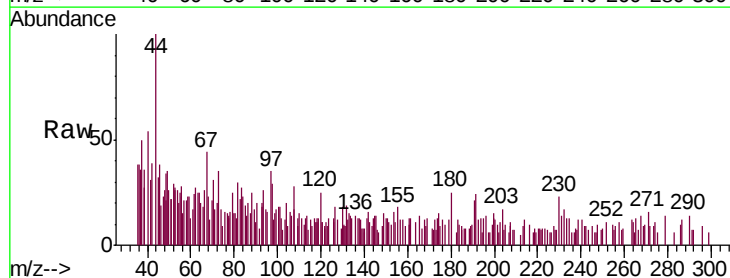
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20191204DL

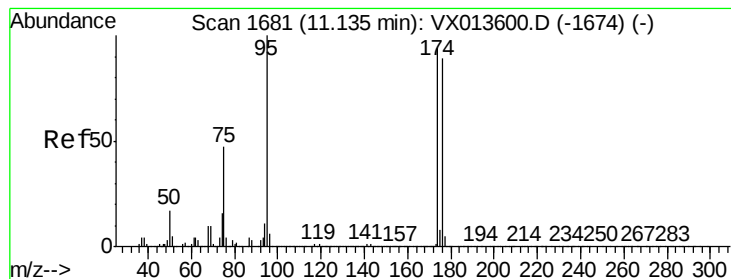
Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
58 31.4 32.1 48.1#



#55
1,1,2-Trichloroethane
Concen: 0.216 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013937.D
Acq: 11 Dec 2019 12:24

Tgt Ion: 97 Resp: 1245
Ion Ratio Lower Upper
97 100
83 50.8 67.3 100.9#
85 51.3 43.6 65.4
99 6.3 48.2 72.4#





#62

4-Bromofluorobenzene

Concen: 48.837 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20191204DL

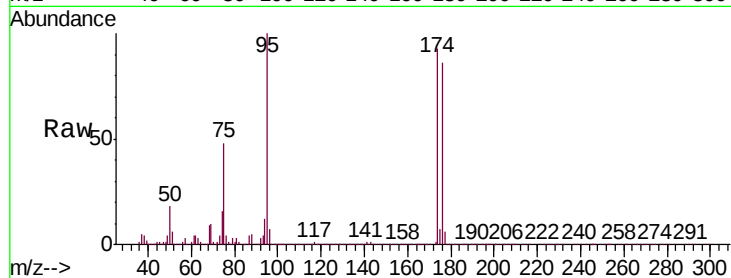
Tgt Ion: 95 Resp: 353102

Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.0

176 86.3 0.0 173.6

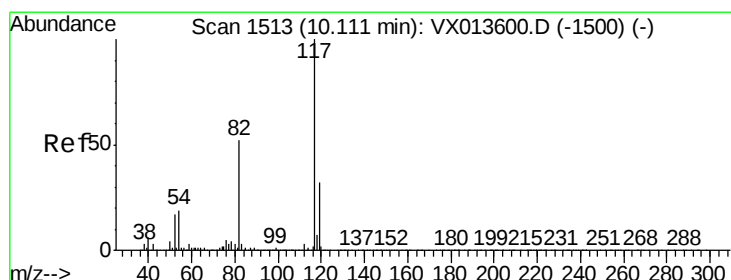
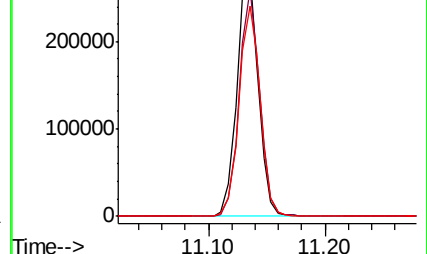
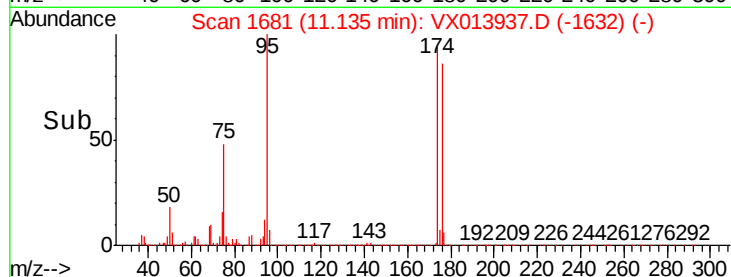


Abundance Ion 94.90 (94.60 to 95.60): VX013600.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013600.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013600.D (-1674) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

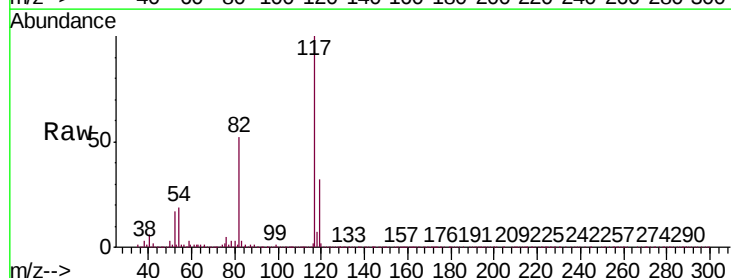
Tgt Ion: 117 Resp: 754560

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

119 31.9 25.8 38.8

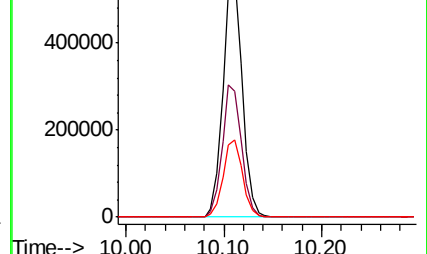
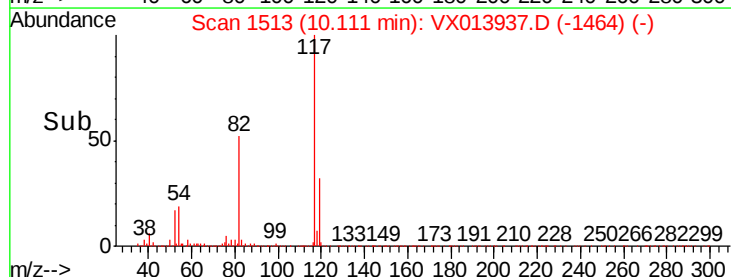


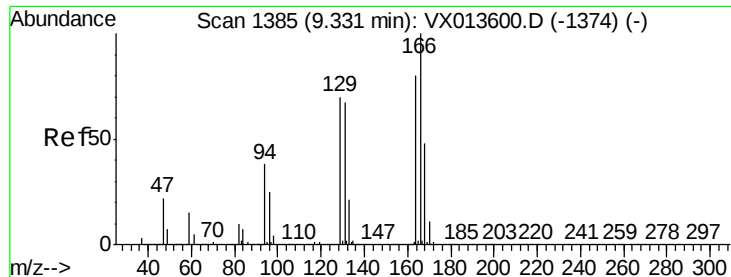
Abundance Ion 116.90 (116.60 to 117.60): VX013600.D (-1500) (-)

Ion 82.00 (81.70 to 82.70): VX013600.D (-1500) (-)

Ion 118.90 (118.60 to 119.60): VX013600.D (-1500) (-)

Time-->





#64

Tetrachloroethene

Concen: 0.232 ug/l

RT: 9.34 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20191204DL

Tgt Ion:164 Resp: 1304

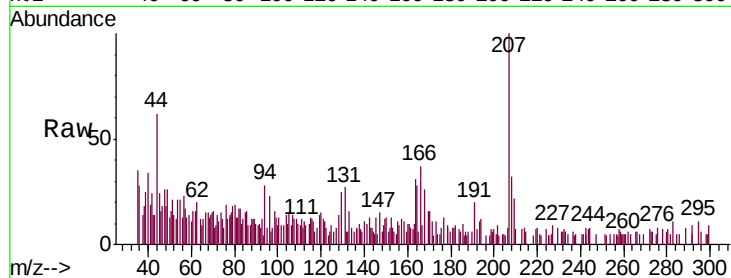
Ion Ratio Lower Upper

164 100

166 75.6 99.7 149.5#

129 41.8 70.1 105.1#

131 32.3 66.9 100.3#



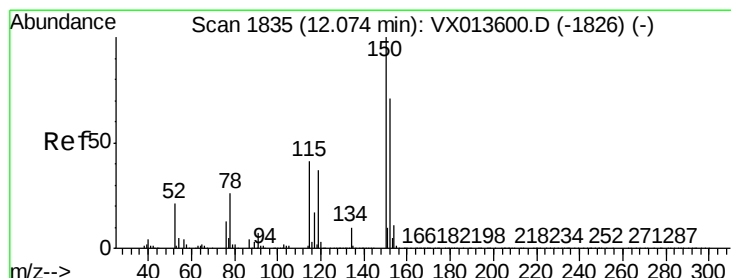
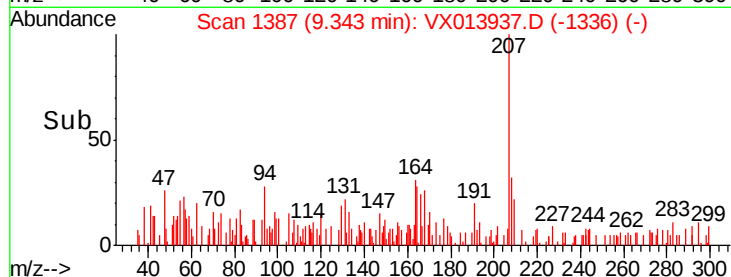
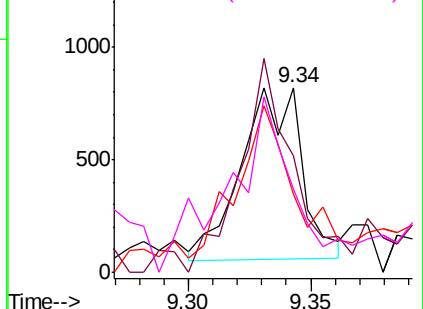
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX013937.D

Acq: 11 Dec 2019 12:24

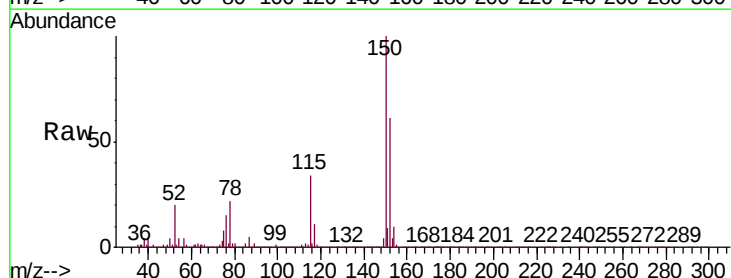
Tgt Ion:152 Resp: 359767

Ion Ratio Lower Upper

152 100

115 55.6 38.4 115.1

150 160.1 0.0 346.8

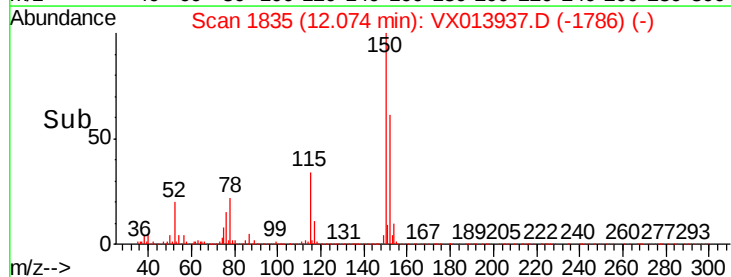
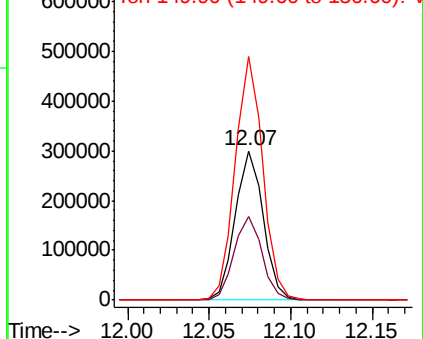


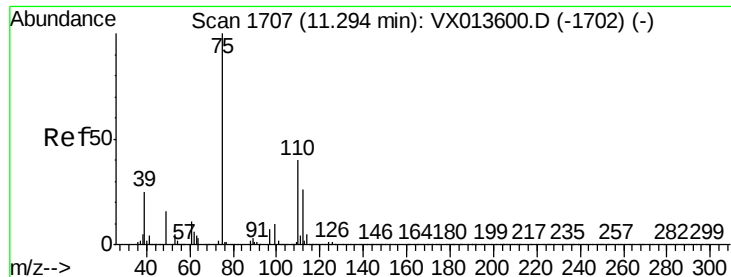
Abundance

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: 21.485 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

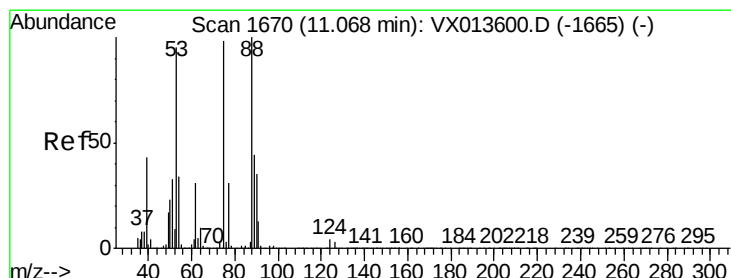
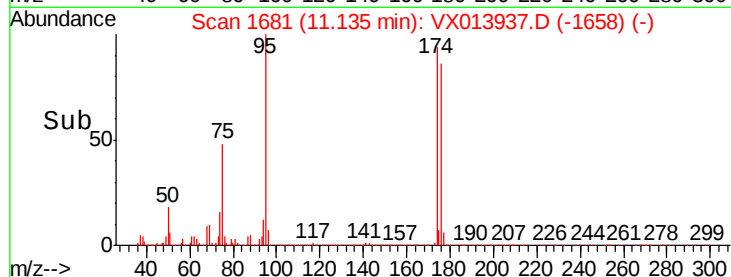
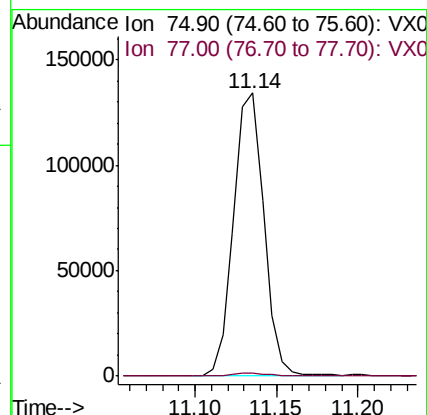
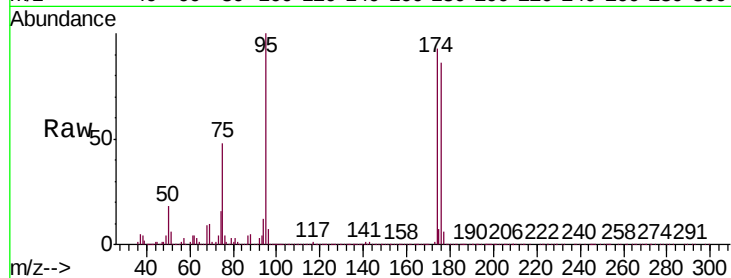
RE103D2-20191204DL

Tgt Ion: 75 Resp: 173849

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.778 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013937.D

Acq: 11 Dec 2019 12:24

Tgt Ion: 75 Resp: 173849

Ion Ratio Lower Upper

75 100

53 0.6 78.2 117.2#

89 0.2 35.4 53.2#

