

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072018\
 Data File : VX003533.D
 Acq On : 21 Jul 2018 02:42
 Operator : JC/SP
 Sample : J4014-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-071218

Quant Time: Jul 21 03:45:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	327792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	440311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	412929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229563	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	180766	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	5.50	113	180658	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	8.72	98	617620	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.14	95	212104	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	

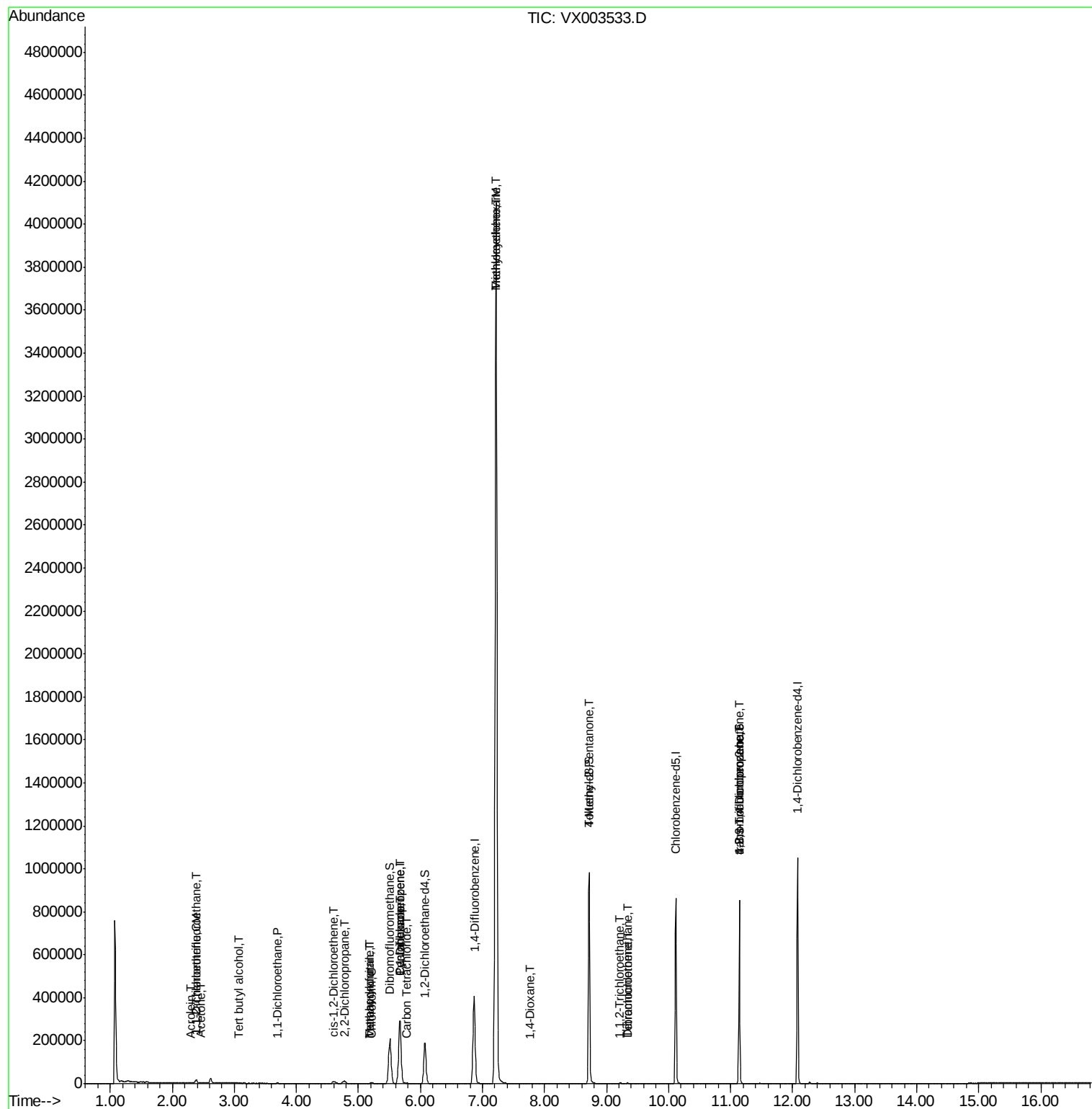
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	217	Below Cal	#	43
3) Chloromethane	1.32	50	554	Below Cal		98
5) Bromomethane	1.67	94	1157	Below Cal		94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	5108	1.40	ug/l	95
11) Tert butyl alcohol	3.07	59	448	0.58	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	1469	0.44	ug/l #	75
13) Acrolein	2.29	56	107	0.31	ug/l #	59
16) Acetone	2.45	43	3236	2.21	ug/l	92
20) Methylene Chloride	2.86	84	1223	Below Cal	#	81
24) 1,1-Dichloroethane	3.69	63	3173	0.48	ug/l	95
26) 2,2-Dichloropropane	4.78	77	1059	0.21	ug/l #	53
27) cis-1,2-Dichloroethene	4.60	96	2235	0.54	ug/l #	1
29) Tetrahydrofuran	5.17	42	802	0.49	ug/l #	86
30) Chloroform	5.21	83	4505	0.71	ug/l	94
31) Cyclohexane	5.67	56	4325	0.74	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19954	4.20	ug/l #	50
38) Carbon Tetrachloride	5.78	117	1416	0.30	ug/l	91
39) Methylcyclohexane	7.22	83	18251	3.24	ug/l #	1
41) Methacrylonitrile	5.17	41	596	0.23	ug/l #	33
44) Trichloroethene	7.22	130	1733178	404.90	ug/l	97
49) 1,4-Dioxane	7.77	88	169	2.07	ug/l #	38
51) 4-Methyl-2-Pentanone	8.72	43	2237	0.49	ug/l #	1
55) 1,1,2-Trichloroethane	9.21	97	1379	0.38	ug/l	93
60) Dibromochloromethane	9.34	129	866	0.24	ug/l #	11
64) Tetrachloroethene	9.34	164	1090	0.22	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	97097	23.54	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	97097	66.07	ug/l #	7

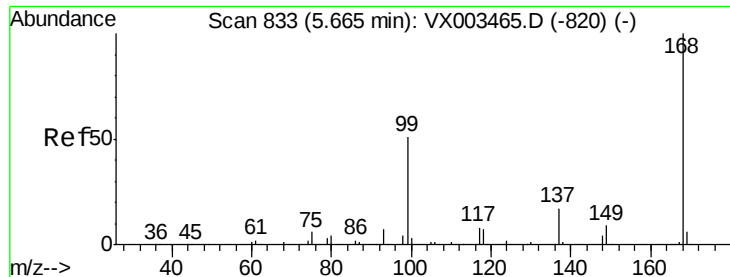
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072018\
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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

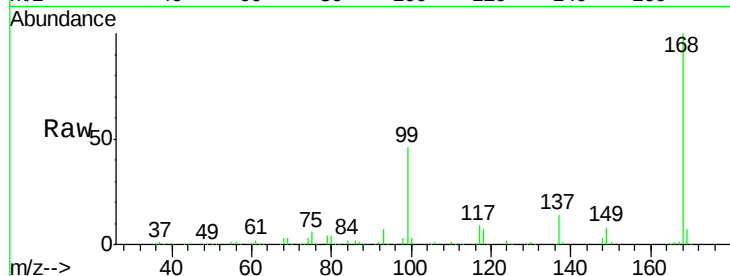
RE103D2-071218

Tot Ion:168 Resp: 327792

Ion Ratio Lower Upper

168 100

99 46.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

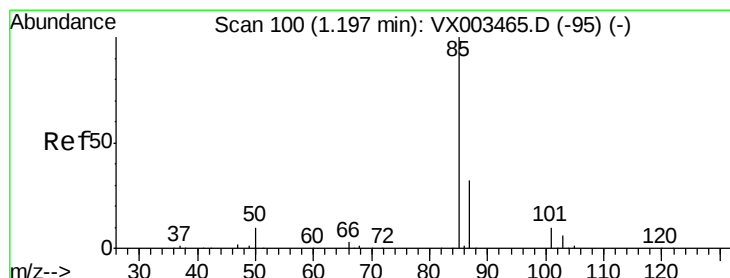
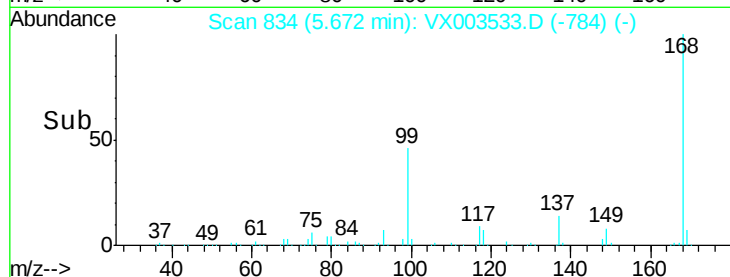
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003533.D

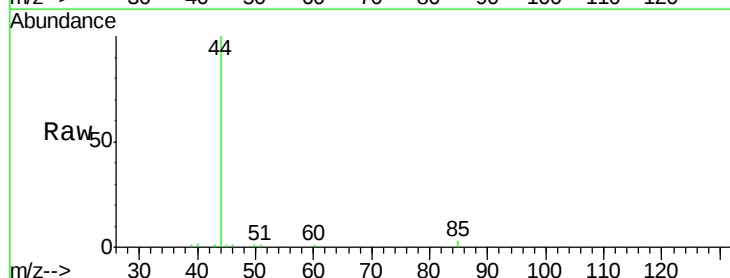
Acq: 21 Jul 2018 02:42

Tgt Ion: 85 Resp: 217

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300

250

200

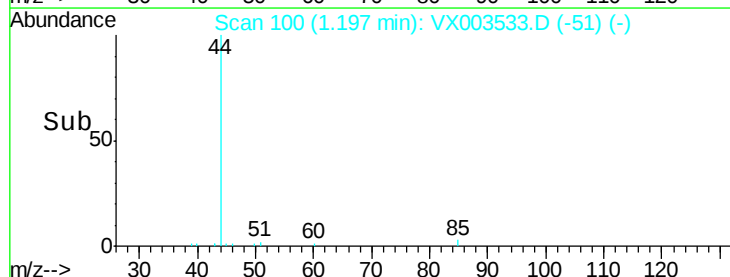
150

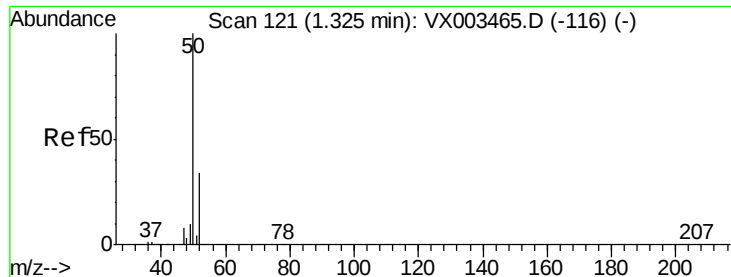
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

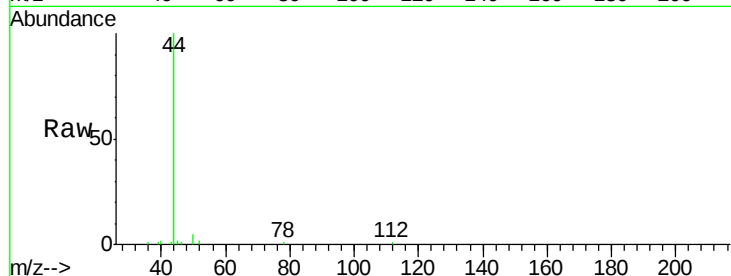
RE103D2-071218

Tot Ion: 50 Resp: 554

Ion Ratio Lower Upper

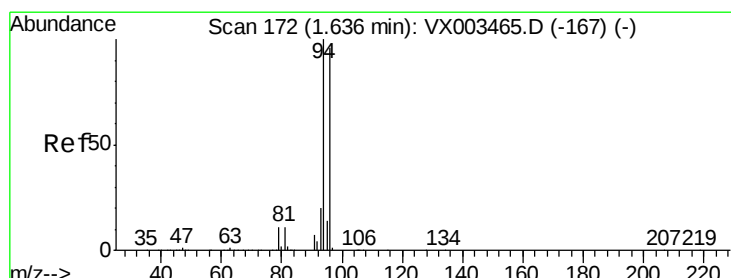
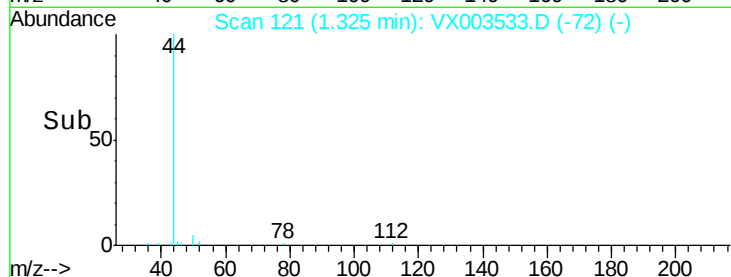
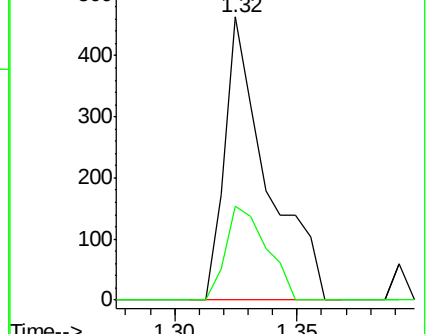
50 100

52 33.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003533.D

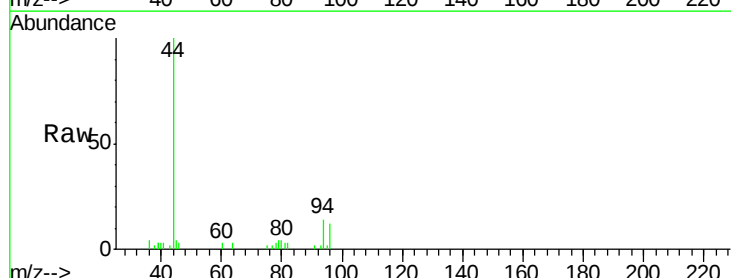
Acq: 21 Jul 2018 02:42

Tgt Ion: 94 Resp: 1157

Ion Ratio Lower Upper

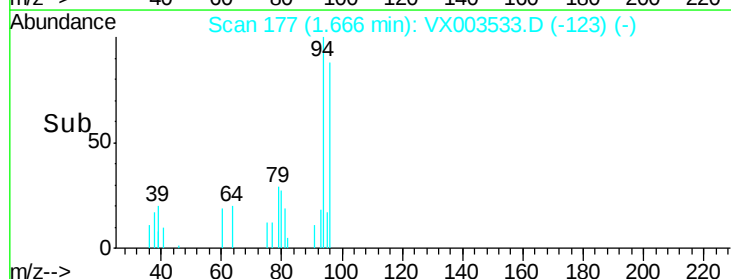
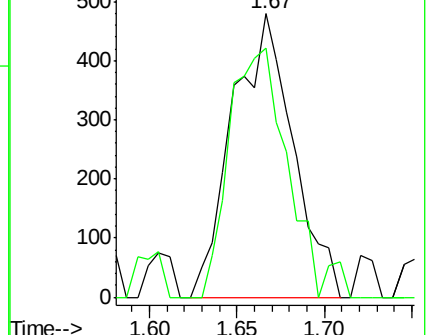
94 100

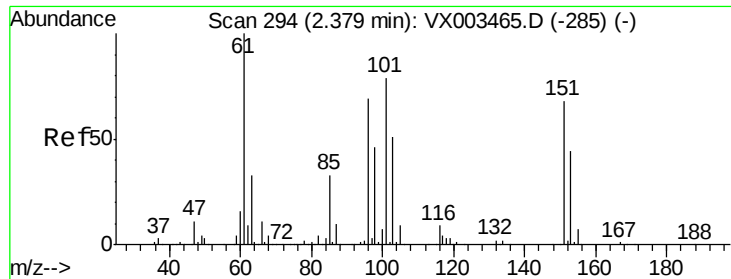
96 87.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.40 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-071218

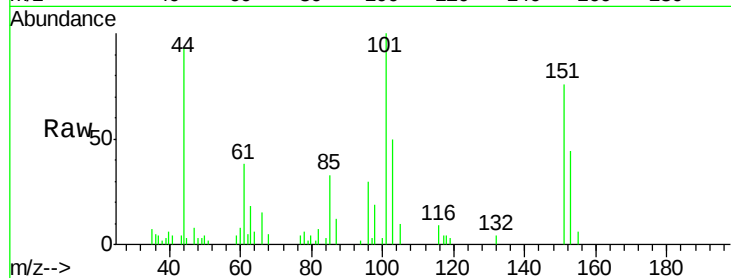
Tot Ion:101 Resp: 5108

Ion Ratio Lower Upper

101 100

85 37.5 36.0 54.0

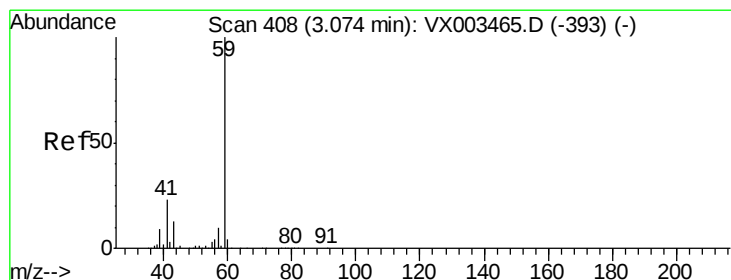
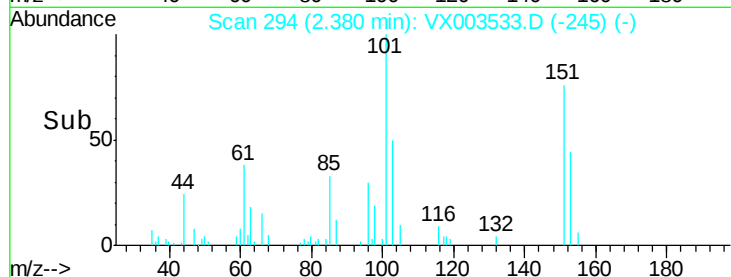
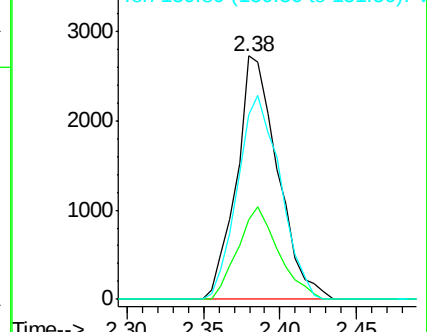
151 87.0 70.9 106.3



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



#11

Tert butyl alcohol

Concen: 0.58 ug/l

RT: 3.07 min Scan# 408

Delta R.T. 0.00 min

Lab File: VX003533.D

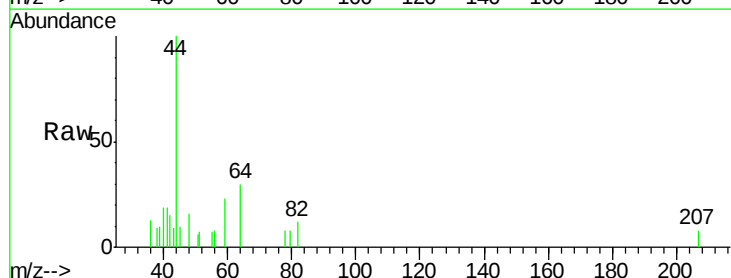
Acq: 21 Jul 2018 02:42

Tgt Ion: 59 Resp: 448

Ion Ratio Lower Upper

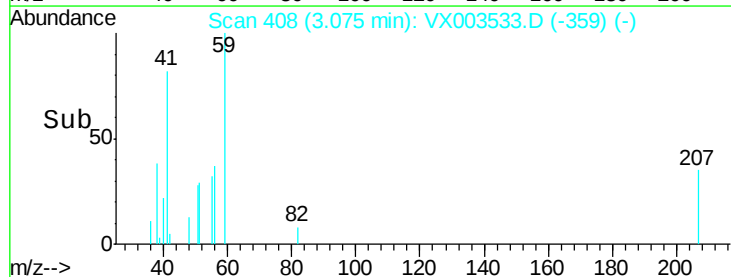
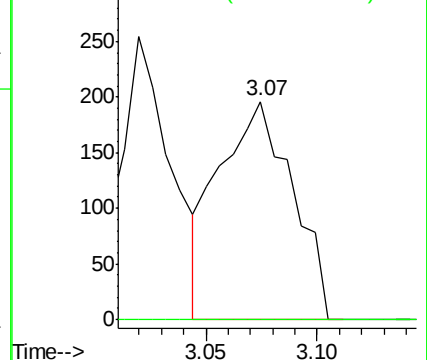
59 100

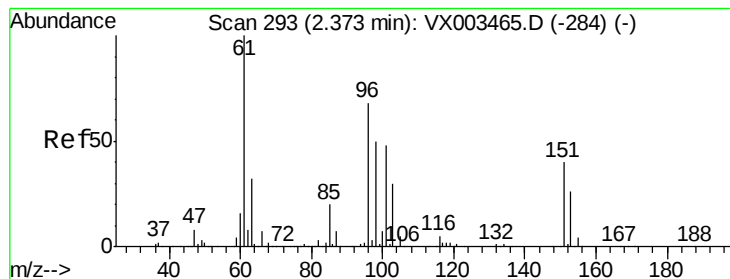
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.44 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-071218

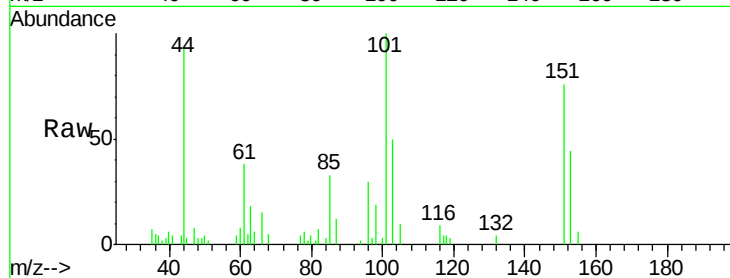
Tot Ion: 96 Resp: 1469

Ion Ratio Lower Upper

96 100

61 126.0 137.9 206.9#

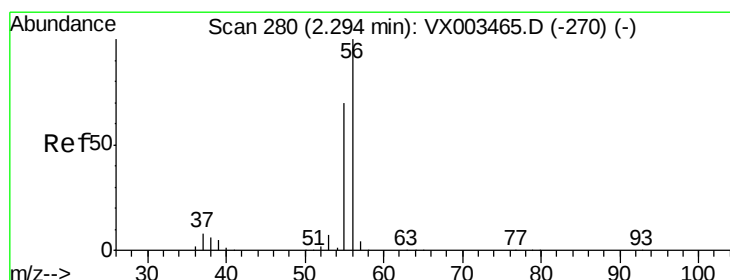
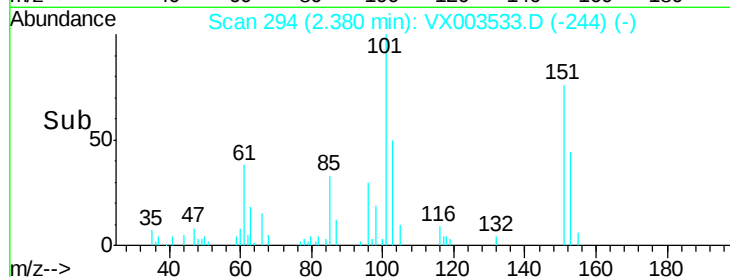
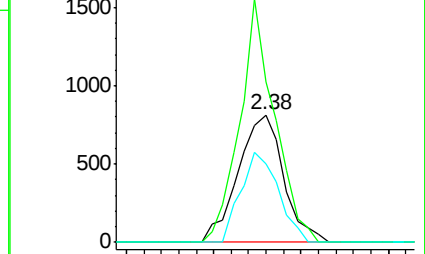
98 62.1 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.31 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003533.D

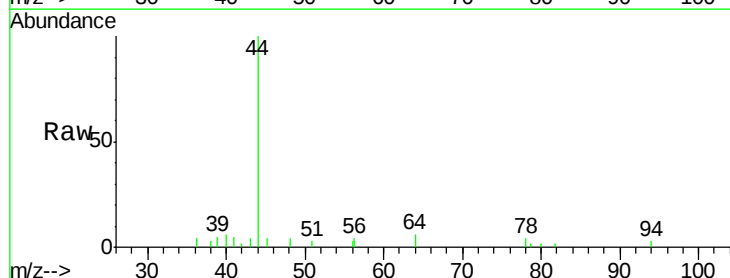
Acq: 21 Jul 2018 02:42

Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

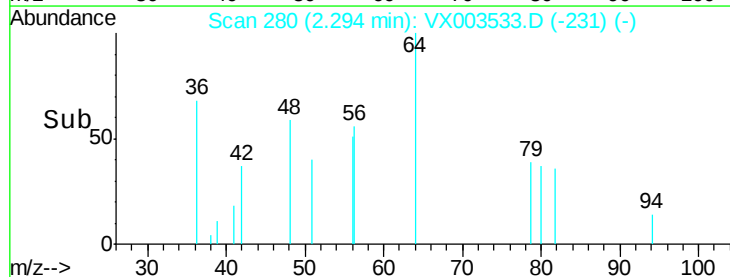
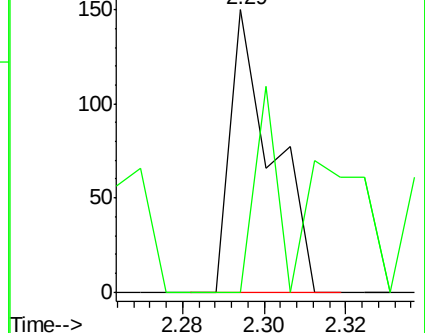
56 100

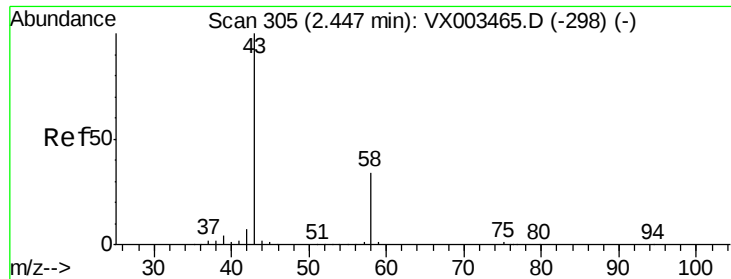
55 37.4 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.21 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

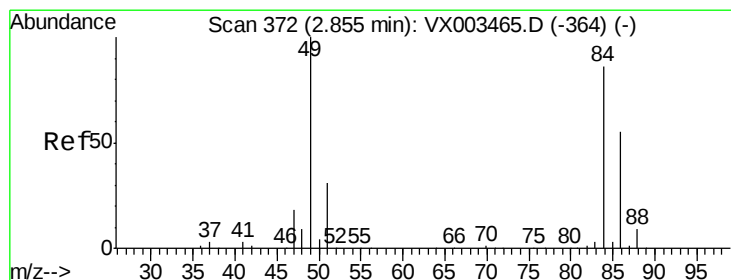
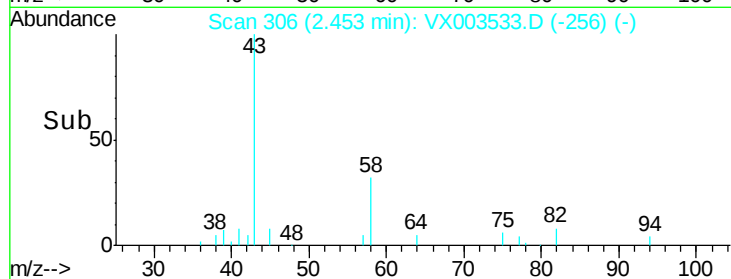
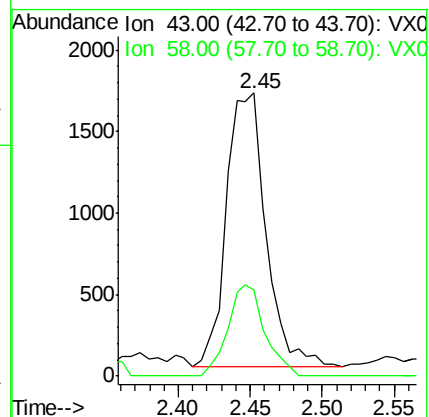
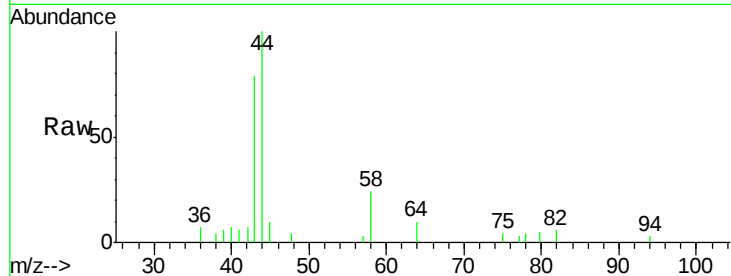
RE103D2-071218

Tot Ion: 43 Resp: 3236

Ion Ratio Lower Upper

43 100

58 31.7 22.1 33.1



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Tgt Ion: 84 Resp: 1223

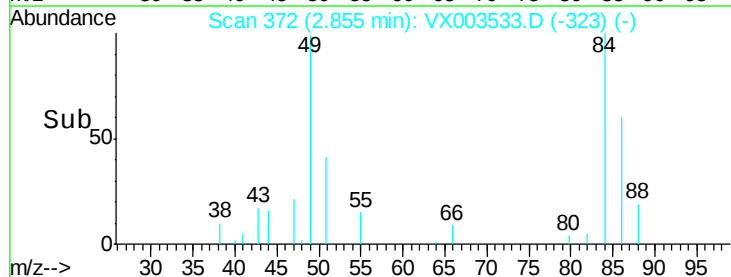
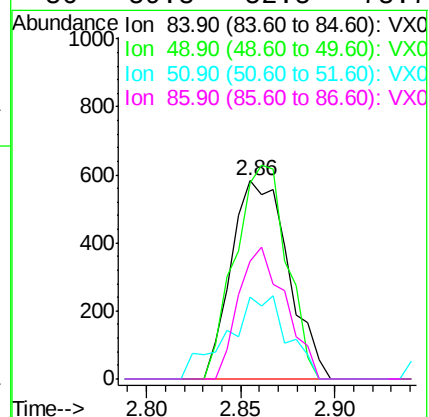
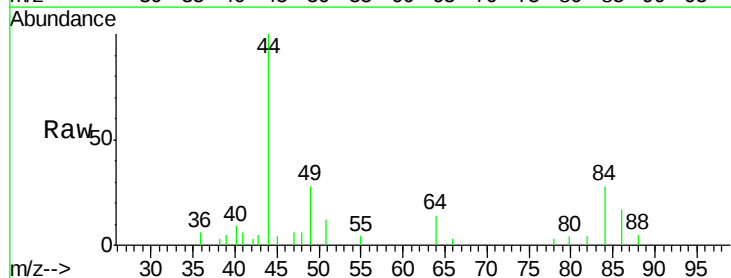
Ion Ratio Lower Upper

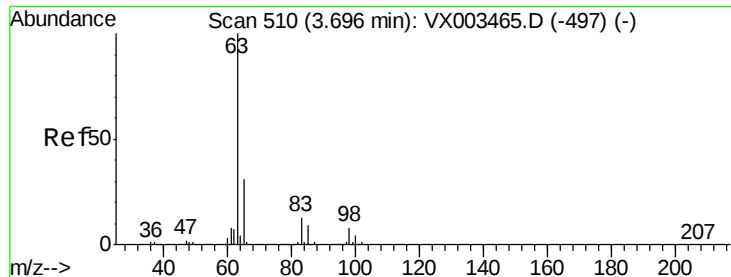
84 100

49 99.0 107.8 161.6#

51 41.4 32.8 49.2

86 59.8 52.5 78.7





#24

1,1-Dichloroethane

Concen: 0.48 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-071218

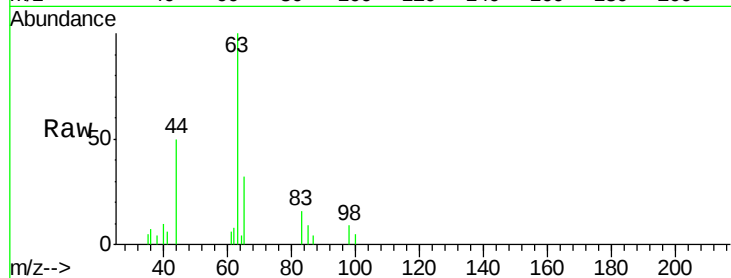
Tot Ion: 63 Resp: 3173

Ion Ratio Lower Upper

63 100

98 9.2 3.4 10.2

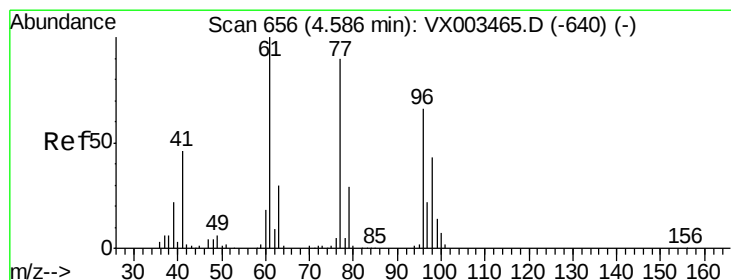
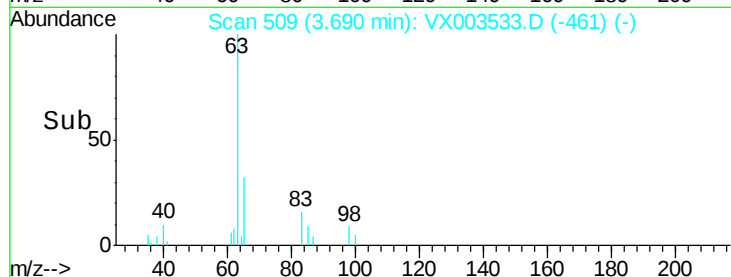
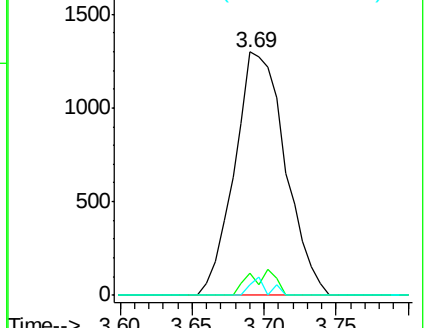
100 4.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#26

2,2-Dichloropropane

Concen: 0.21 ug/l

RT: 4.78 min Scan# 688

Delta R.T. 0.20 min

Lab File: VX003533.D

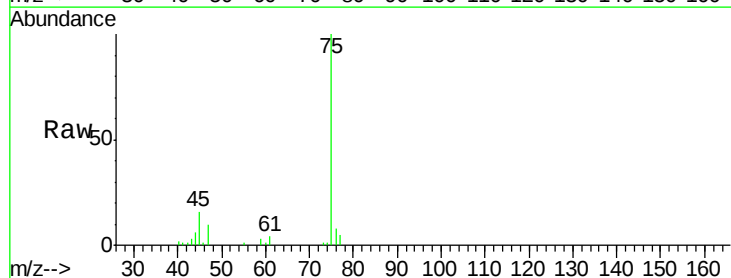
Acq: 21 Jul 2018 02:42

Tgt Ion: 77 Resp: 1059

Ion Ratio Lower Upper

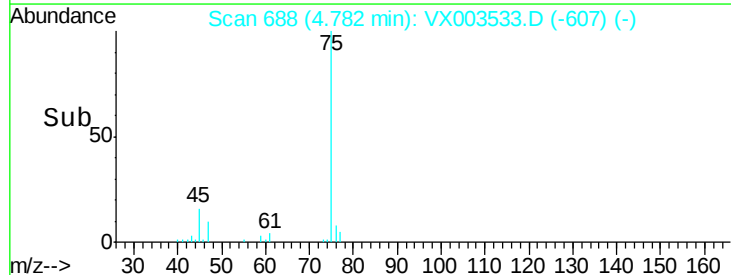
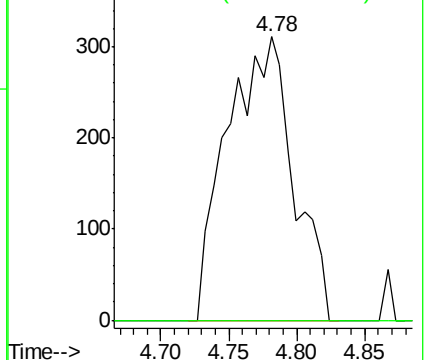
77 100

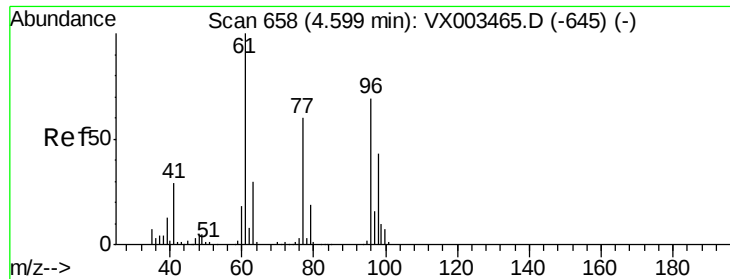
97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

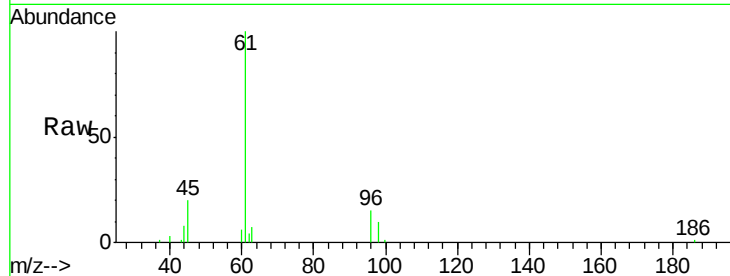




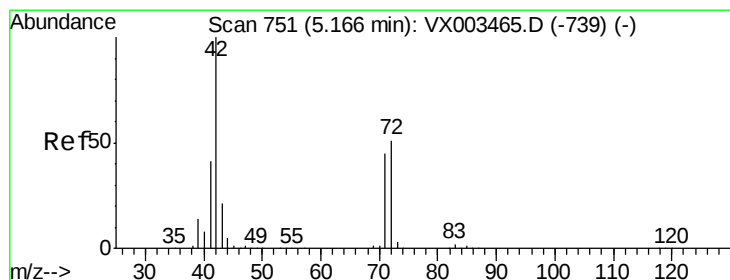
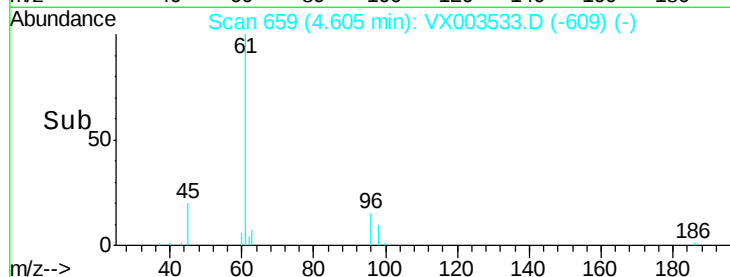
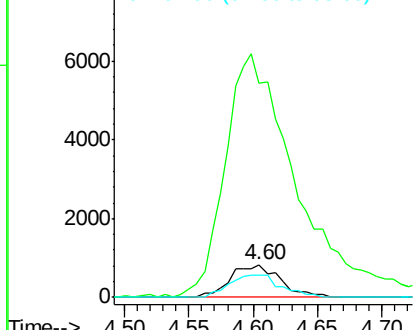
#27
 cis-1,2-Dichloroethene
 Concen: 0.54 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX003533.D
 Acq: 21 Jul 2018 02:42

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-071218

Tot Ion: 96 Resp: 2235
 Ion Ratio Lower Upper
 96 100
 61 1069.4 0.0 330.2#
 98 70.3 0.0 130.2

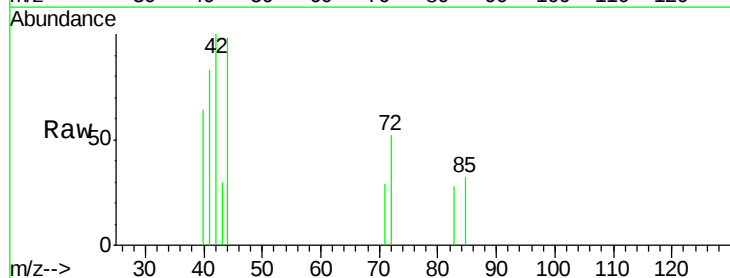


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

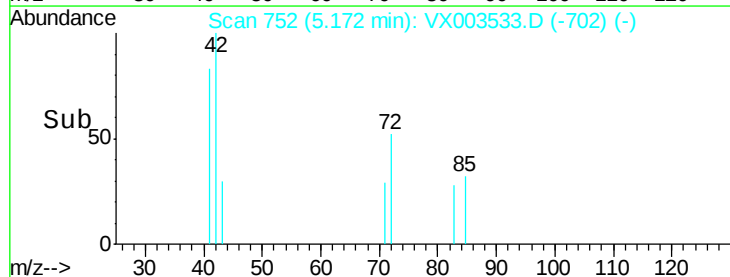
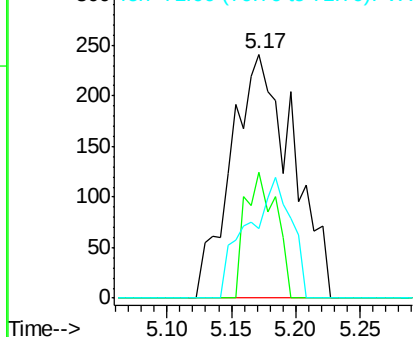


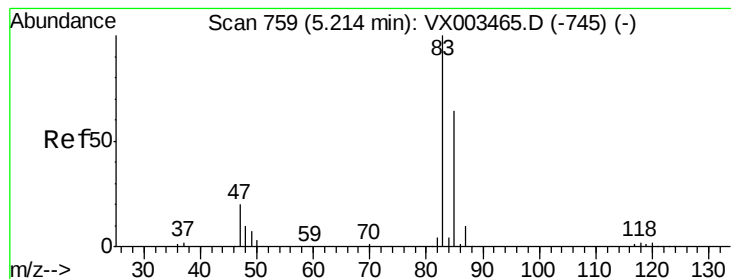
#29
 Tetrahydrofuran
 Concen: 0.49 ug/l
 RT: 5.17 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VX003533.D
 Acq: 21 Jul 2018 02:42

Tgt Ion: 42 Resp: 802
 Ion Ratio Lower Upper
 42 100
 72 25.7 32.0 48.0#
 71 35.5 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0





#30

Chloroform

Concen: 0.71 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

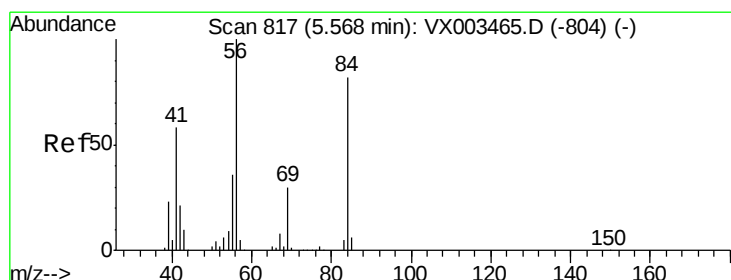
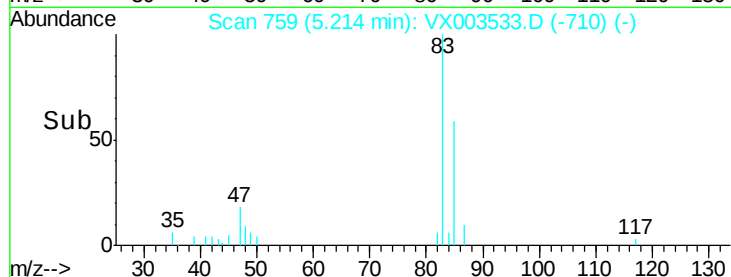
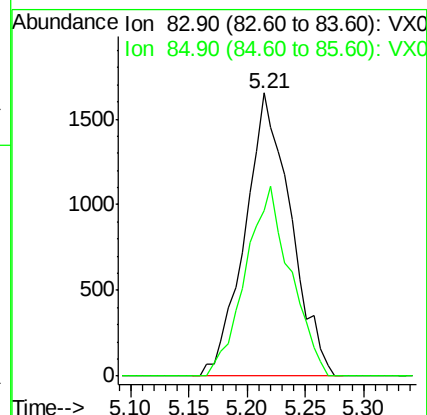
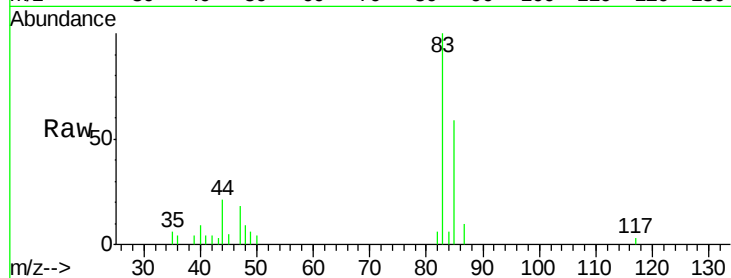
RE103D2-071218

Tot Ion: 83 Resp: 4505

Ion Ratio Lower Upper

83 100

85 58.5 50.4 75.6



#31

Cyclohexane

Concen: 0.74 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

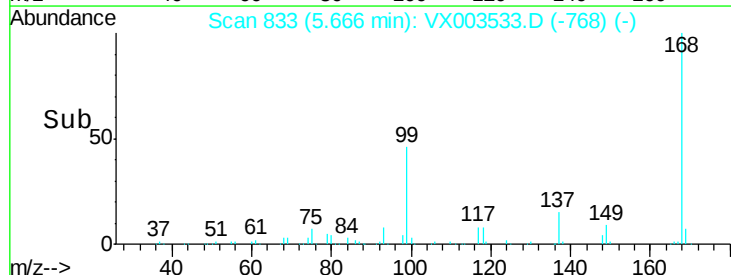
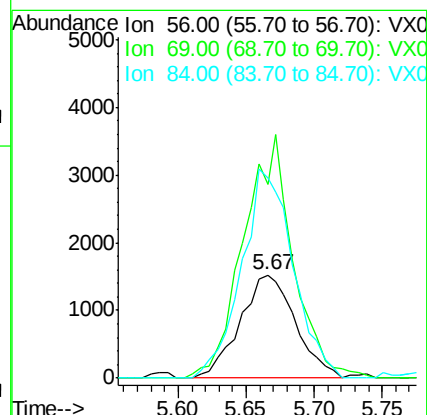
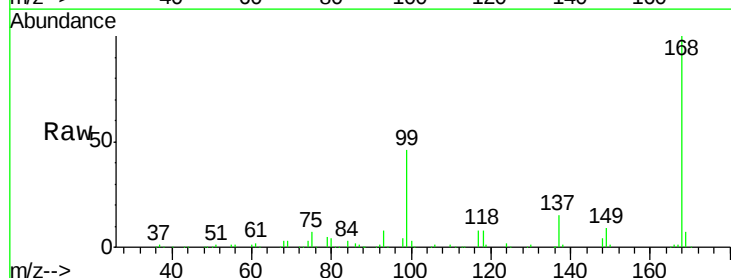
Tgt Ion: 56 Resp: 4325

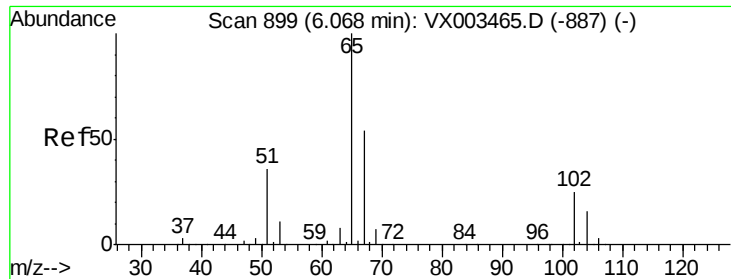
Ion Ratio Lower Upper

56 100

69 183.3 23.7 35.5#

84 194.0 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 46.59 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

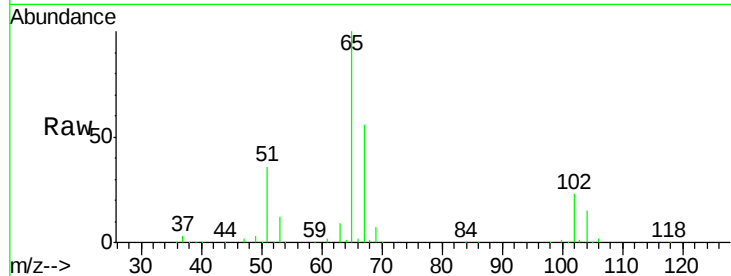
RE103D2-071218

Tot Ion: 65 Resp: 180766

Ion Ratio Lower Upper

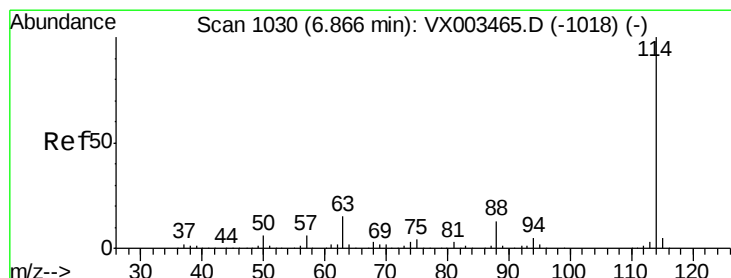
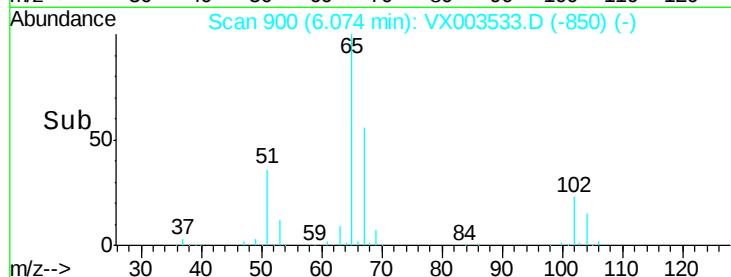
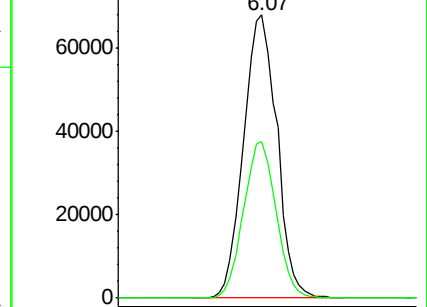
65 100

67 54.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

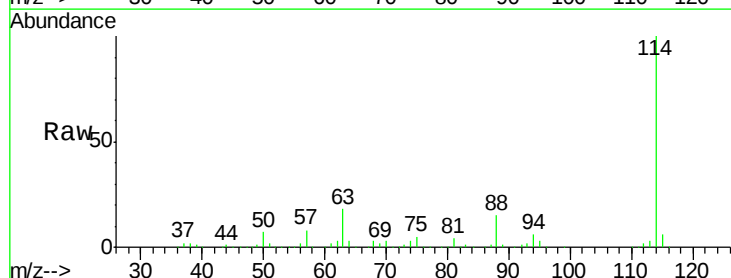
Tgt Ion: 114 Resp: 440311

Ion Ratio Lower Upper

114 100

63 18.0 0.0 41.4

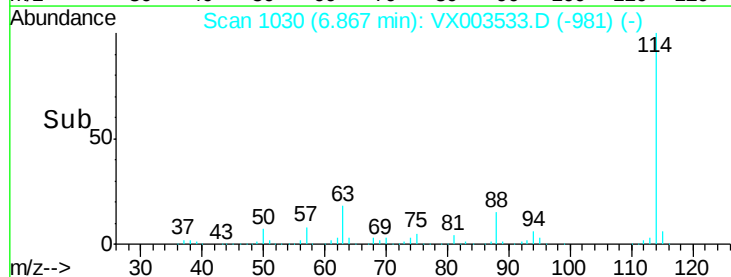
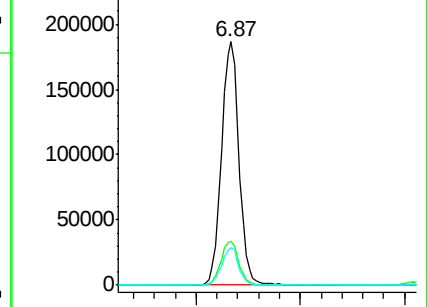
88 15.2 0.0 30.0

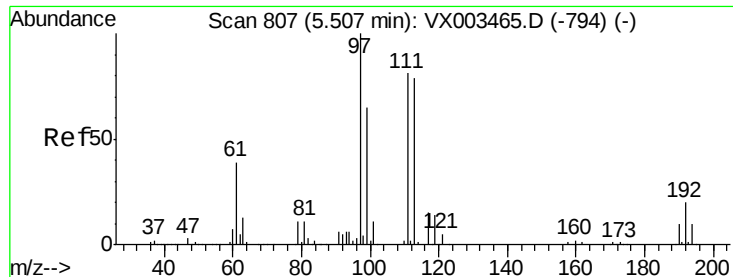


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

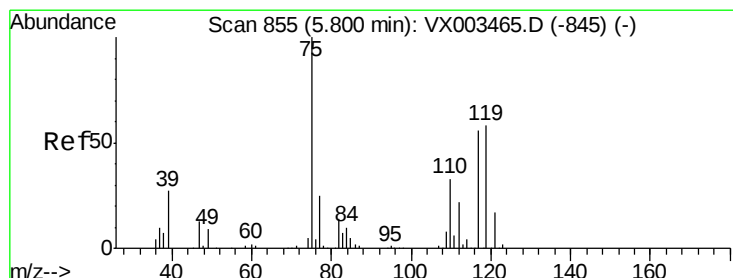
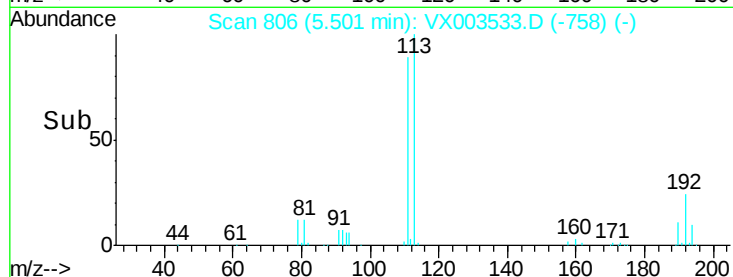
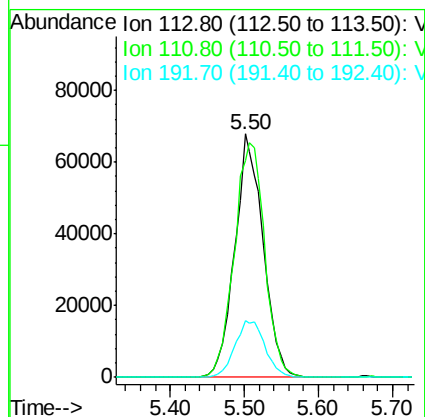
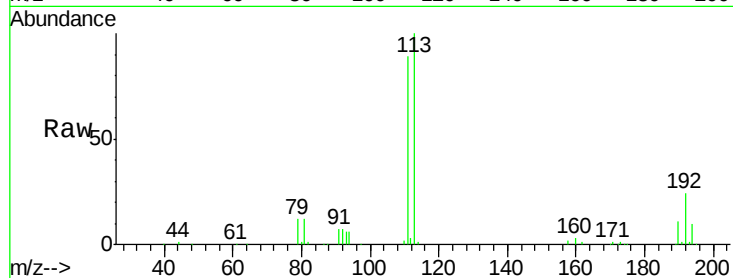




#35
 Dibromofluoromethane
 Concen: 53.87 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003533.D
 Acq: 21 Jul 2018 02:42

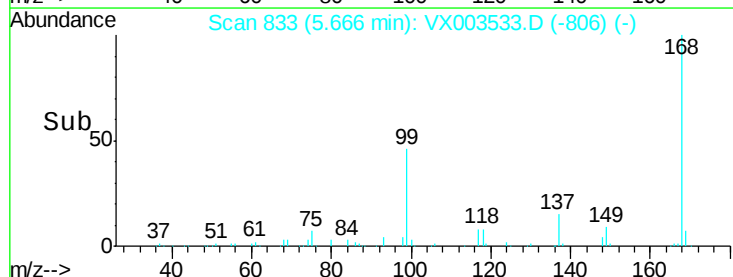
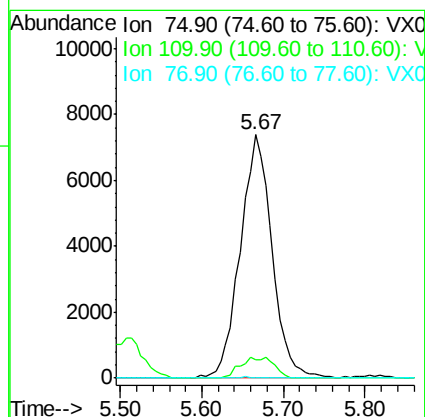
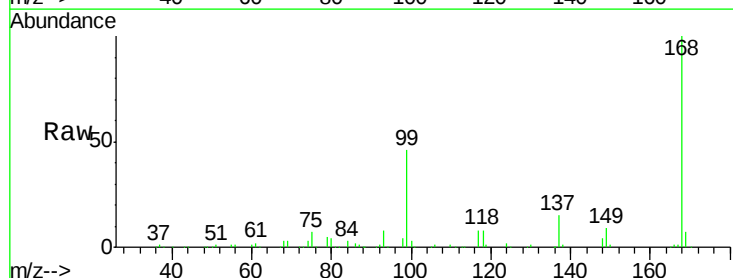
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-071218

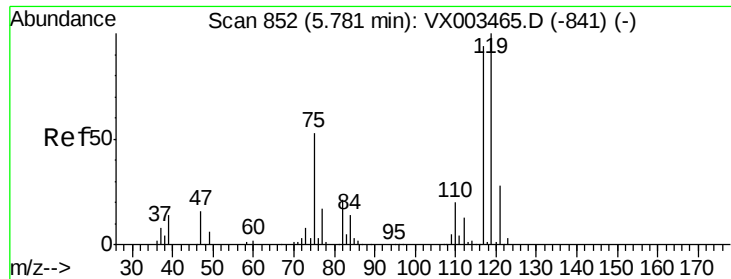
Tot Ion:113 Resp: 180658
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.4 122.0
 192 24.9 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.20 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003533.D
 Acq: 21 Jul 2018 02:42

Tgt Ion: 75 Resp: 19954
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.4#
 77 0.1 24.3 36.5#

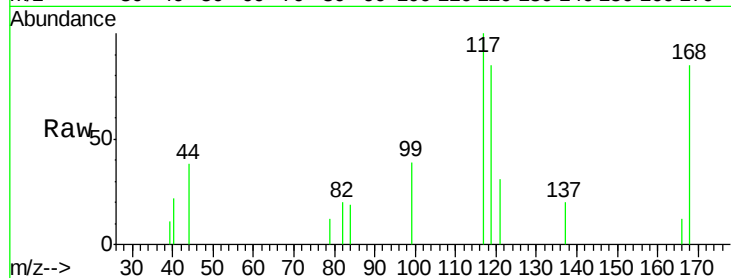




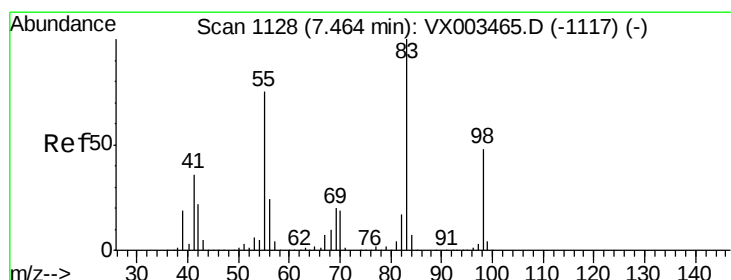
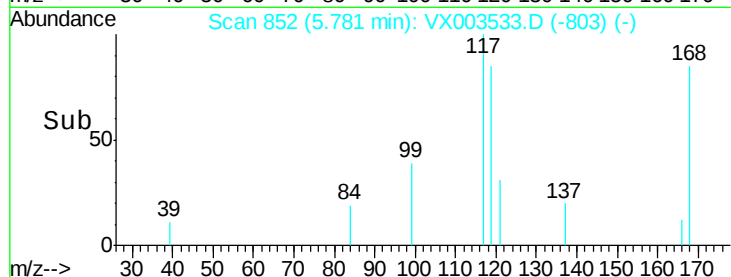
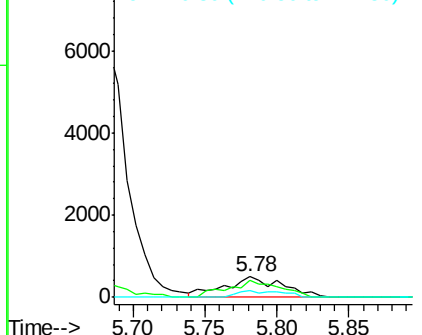
#38
Carbon Tetrachloride
Concen: 0.30 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003533.D
Acq: 21 Jul 2018 02:42

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-071218

Tot Ion:117 Resp: 1416
Ion Ratio Lower Upper
117 100
119 85.0 77.4 116.0
121 31.3 24.4 36.6

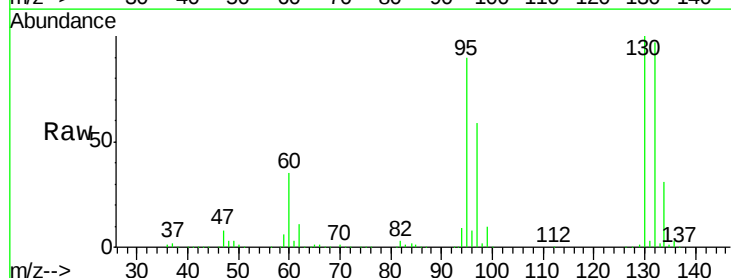


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

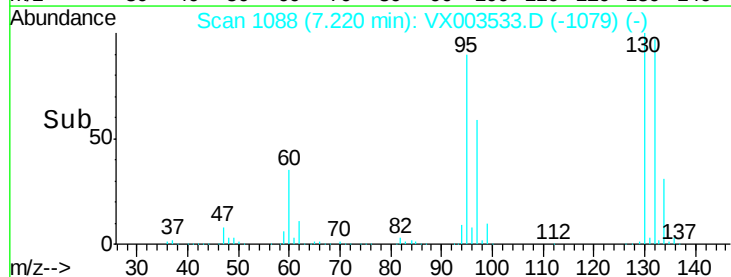
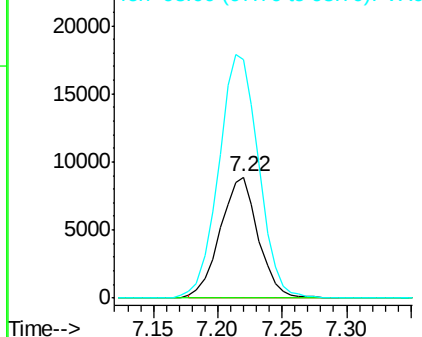


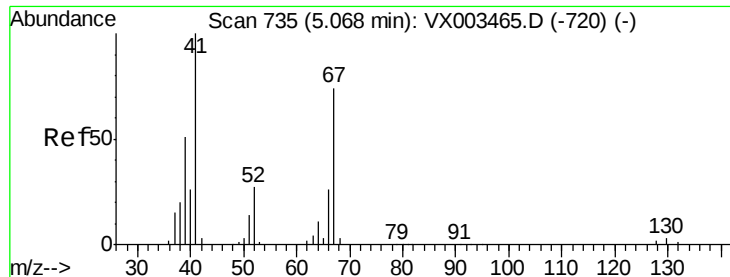
#39
Methylcyclohexane
Concen: 3.24 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.24 min
Lab File: VX003533.D
Acq: 21 Jul 2018 02:42

Tgt Ion: 83 Resp: 18251
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 197.8 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

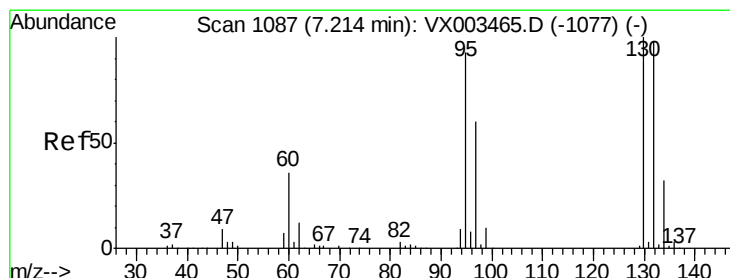
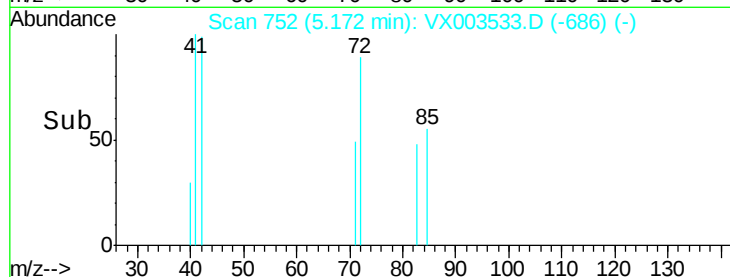
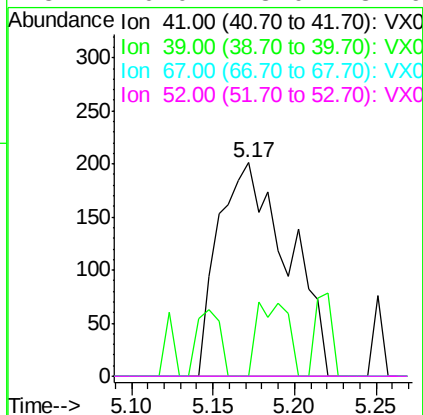
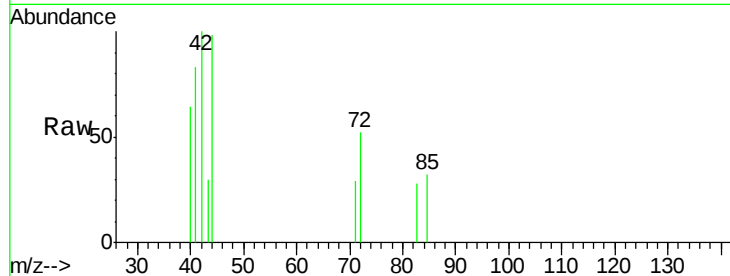




#41
Methacrylonitrile
Concen: 0.23 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.10 min
Lab File: VX003533.D
Acq: 21 Jul 2018 02:42

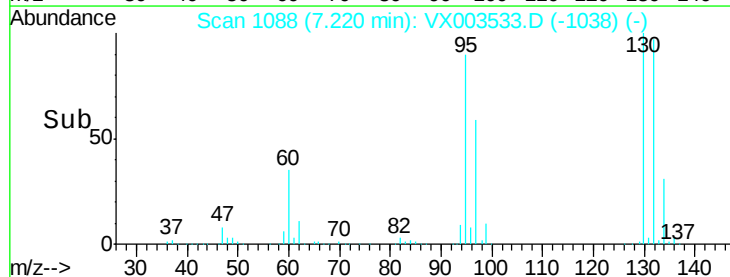
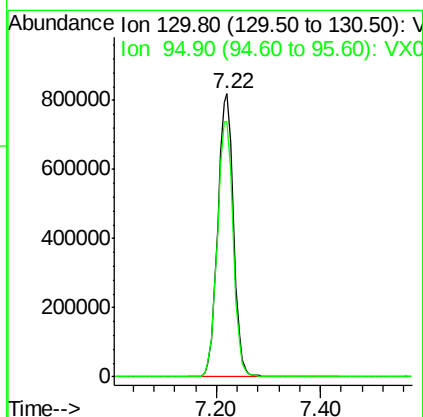
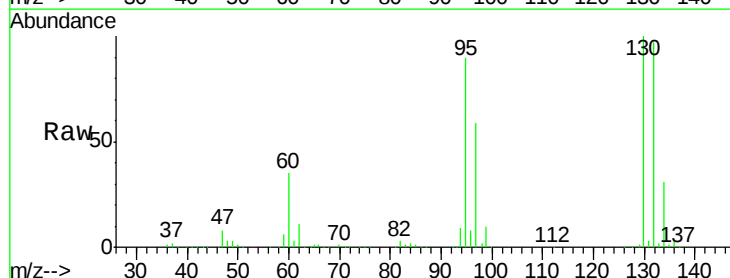
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-071218

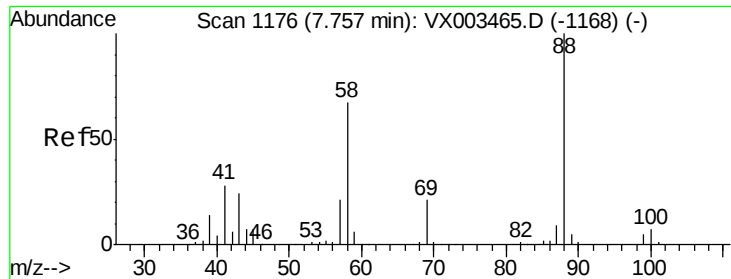
Tot Ion: 41 Resp: 596
Ion Ratio Lower Upper
41 100
39 15.6 45.8 68.6#
67 0.0 51.3 76.9#
52 0.0 23.0 34.6#



#44
Trichloroethene
Concen: 404.90 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX003533.D
Acq: 21 Jul 2018 02:42

Tgt Ion:130 Resp: 1733178
Ion Ratio Lower Upper
130 100
95 90.2 0.0 185.4

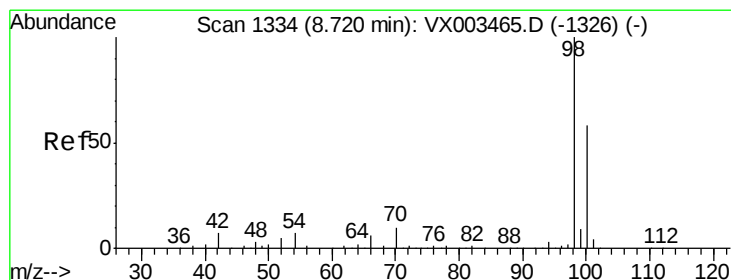
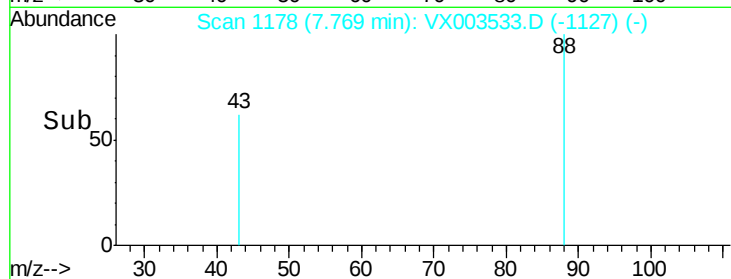
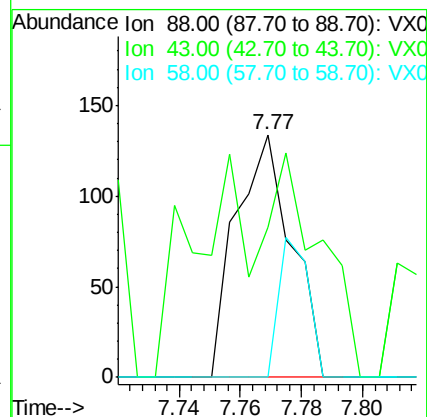
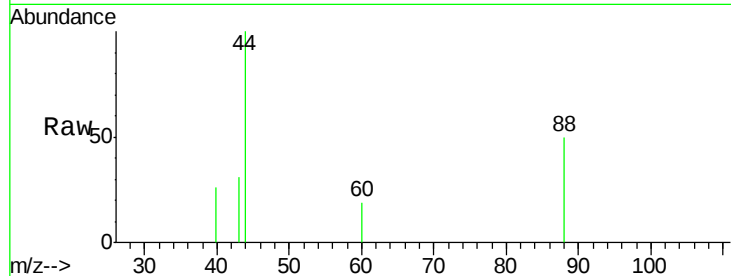




#49
1,4-Dioxane
Concen: 2.07 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX003533.D
Acq: 21 Jul 2018 02:42

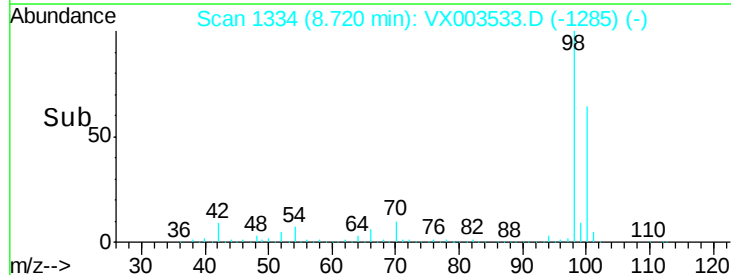
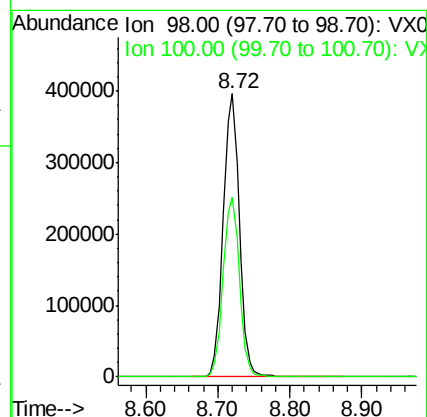
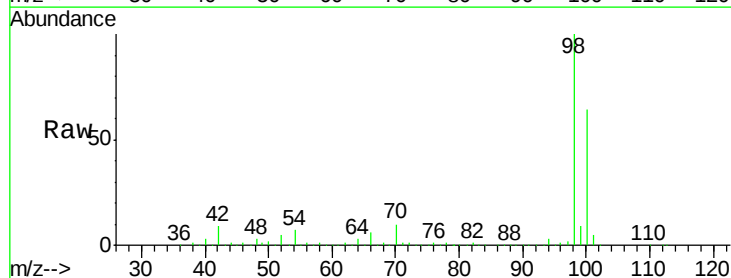
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-071218

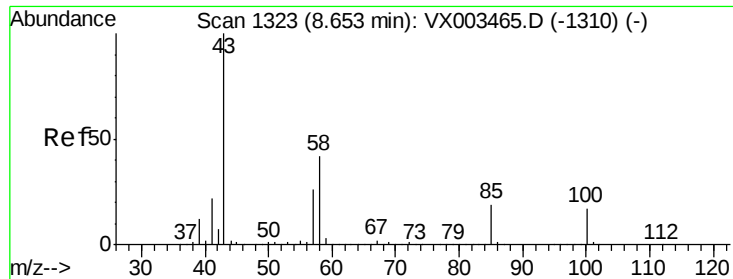
Tot Ion: 88 Resp: 169
Ion Ratio Lower Upper
88 100
43 88.8 29.8 44.6#
58 30.8 57.1 85.7#



#50
Toluene-d8
Concen: 49.00 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003533.D
Acq: 21 Jul 2018 02:42

Tgt Ion: 98 Resp: 617620
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.49 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

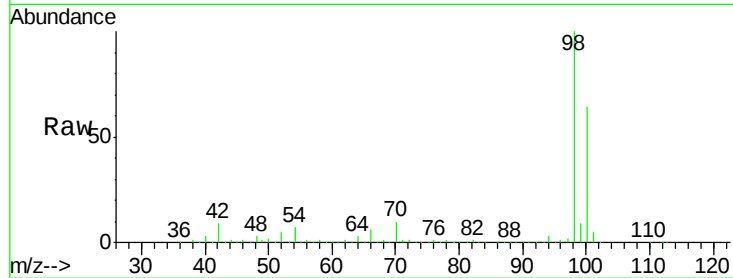
RE103D2-071218

Tot Ion: 43 Resp: 2237

Ion Ratio Lower Upper

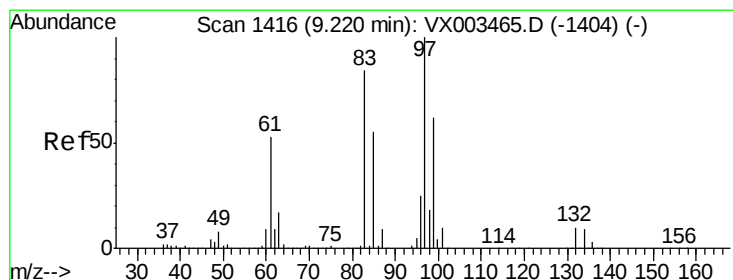
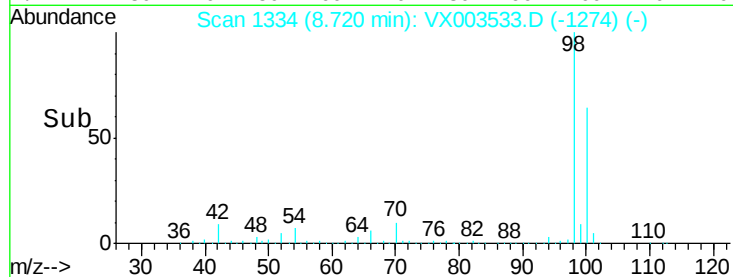
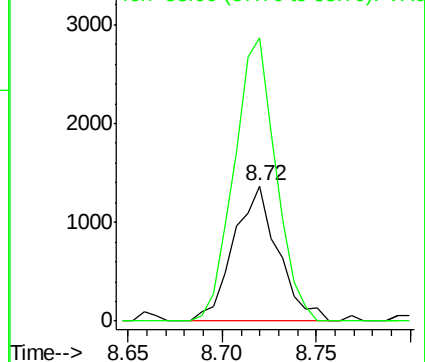
43 100

58 197.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.38 ug/l

RT: 9.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Tgt Ion: 97 Resp: 1379

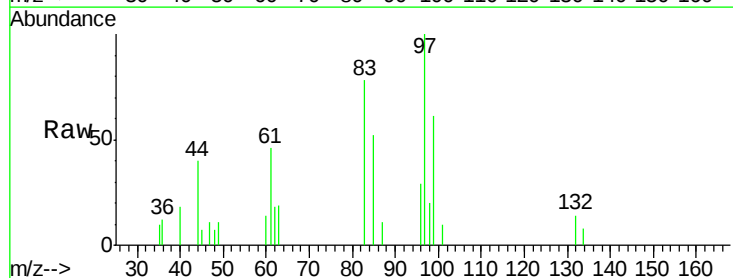
Ion Ratio Lower Upper

97 100

83 77.7 70.2 105.2

85 52.0 44.9 67.3

99 61.3 49.8 74.8

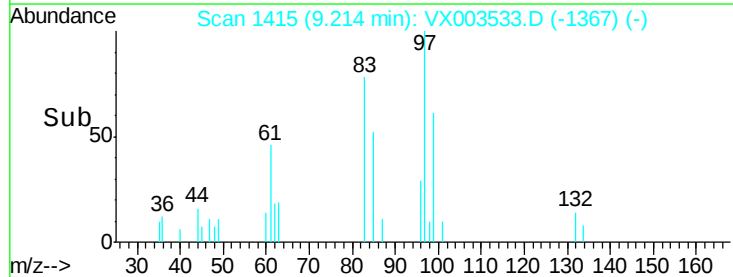
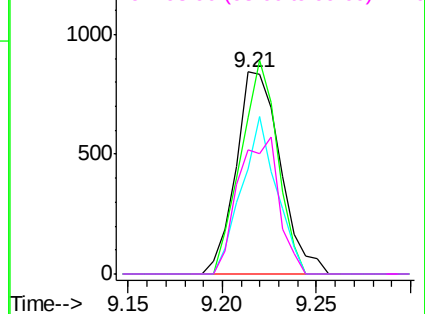


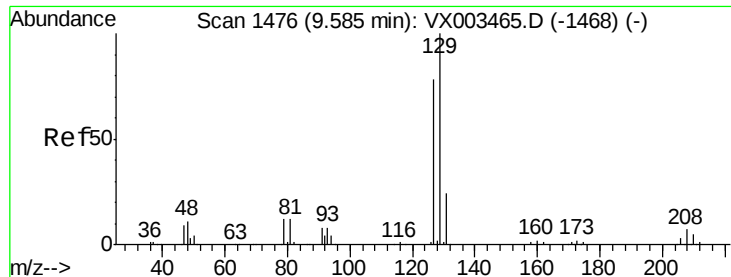
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#60

Dibromochloromethane

Concen: 0.24 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

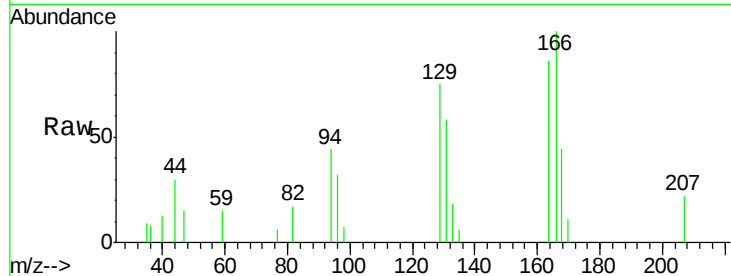
RE103D2-071218

Tot Ion:129 Resp: 866

Ion Ratio Lower Upper

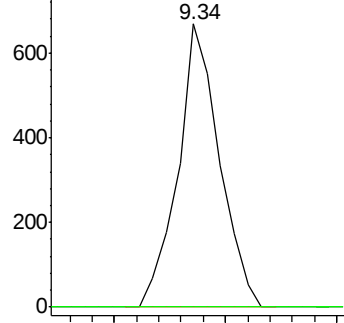
129 100

127 0.0 38.5 115.3#

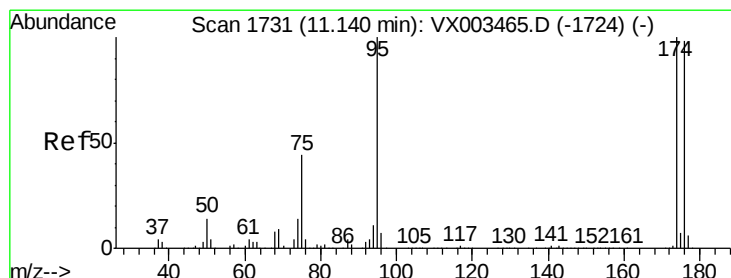
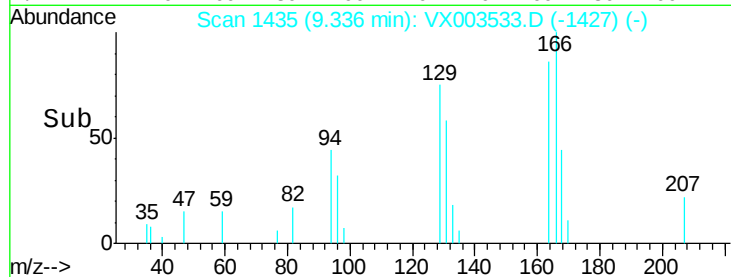


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

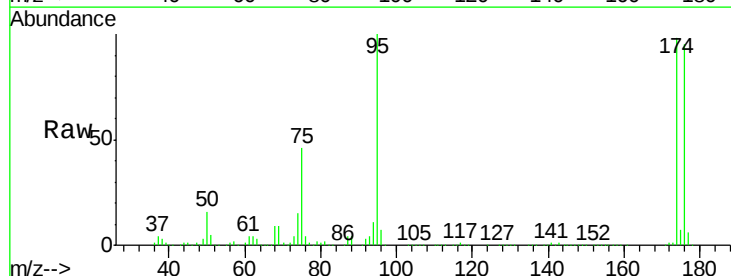
Tgt Ion: 95 Resp: 212104

Ion Ratio Lower Upper

95 100

174 98.2 0.0 187.4

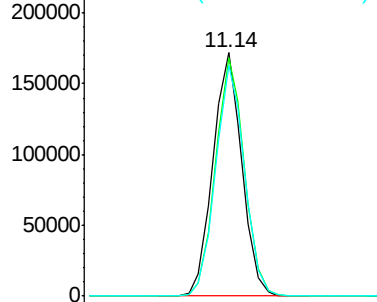
176 95.0 0.0 181.0



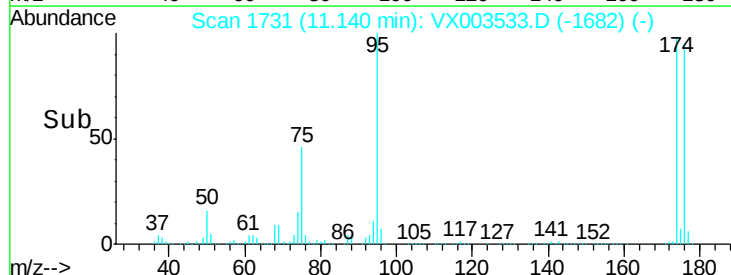
Abundance Ion 94.90 (94.60 to 95.60): VX0

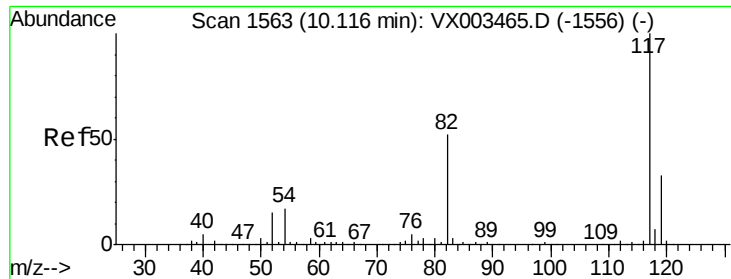
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-071218

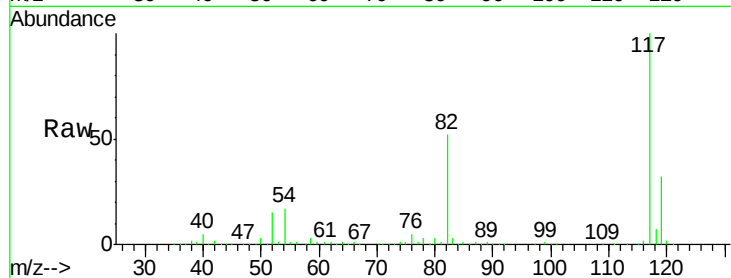
Tot Ion:117 Resp: 412929

Ion Ratio Lower Upper

117 100

82 51.5 45.0 67.4

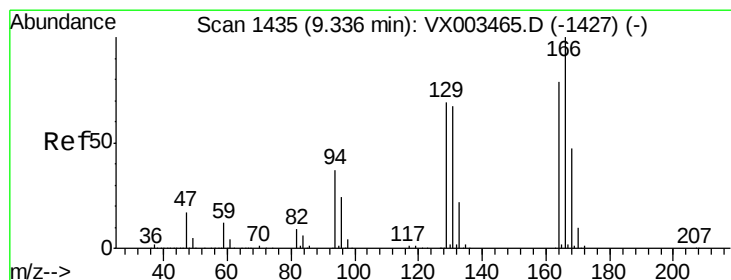
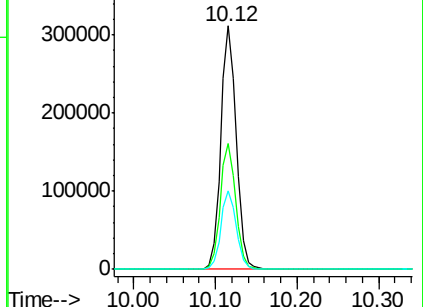
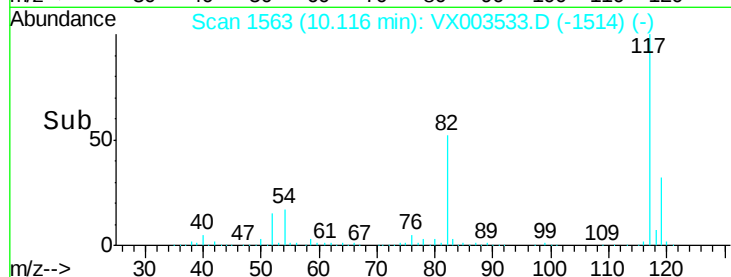
119 32.2 25.8 38.6



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



#64

Tetrachloroethene

Concen: 0.22 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Tgt Ion:164 Resp: 1090

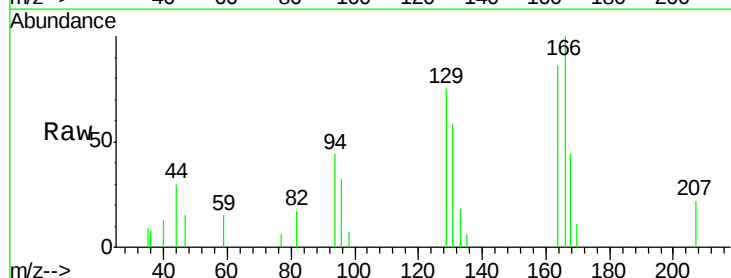
Ion Ratio Lower Upper

164 100

166 116.2 102.9 154.3

129 87.1 68.6 102.8

131 67.8 66.8 100.2

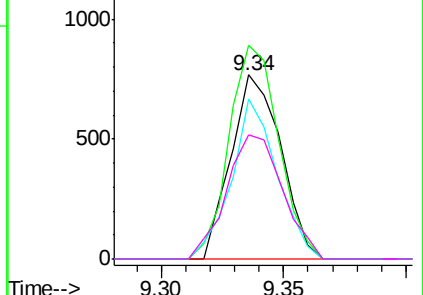
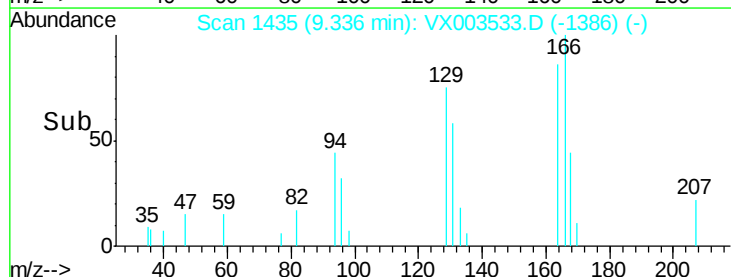


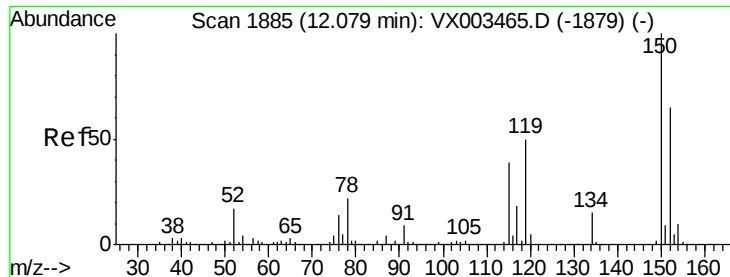
Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-071218

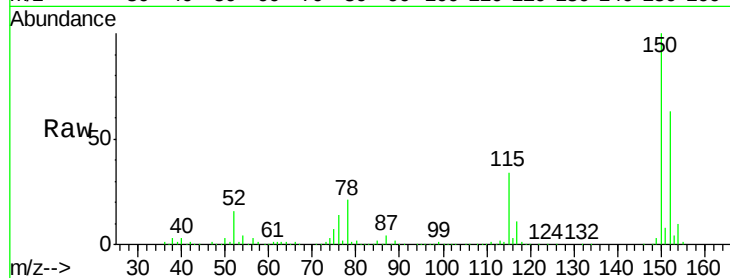
Tot Ion:152 Resp: 229563

Ion Ratio Lower Upper

152 100

115 53.2 40.1 120.2

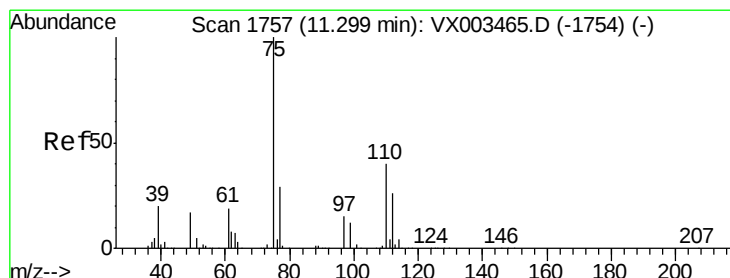
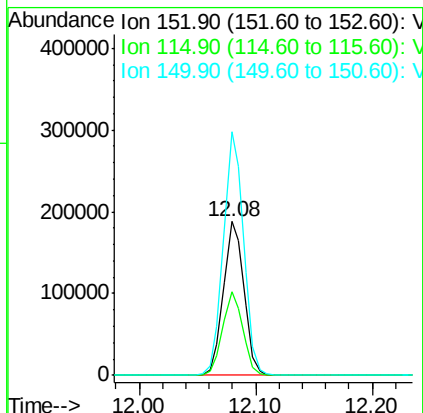
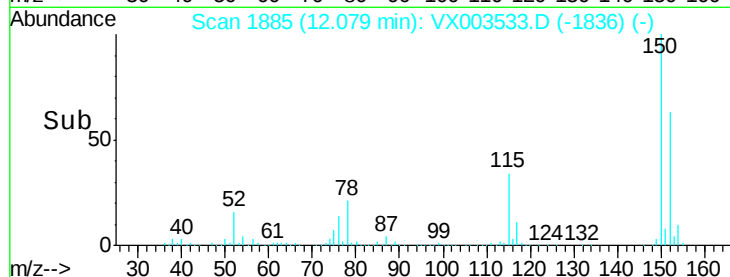
150 155.8 0.0 347.2



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: 23.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003533.D

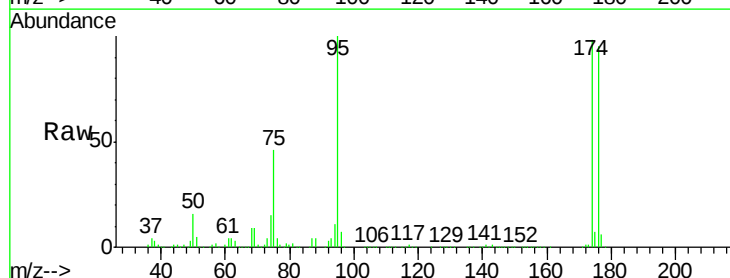
Acq: 21 Jul 2018 02:42

Tgt Ion: 75 Resp: 97097

Ion Ratio Lower Upper

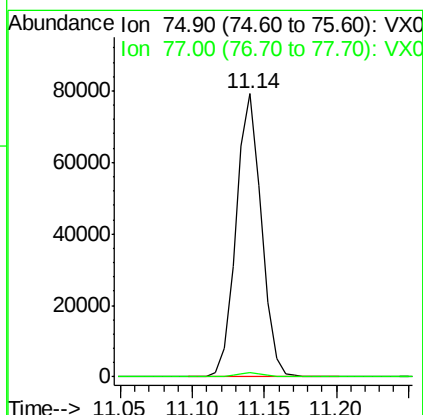
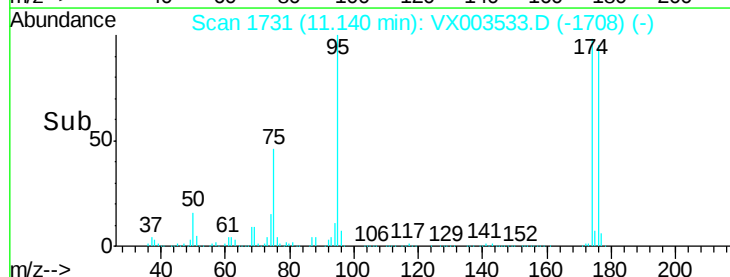
75 100

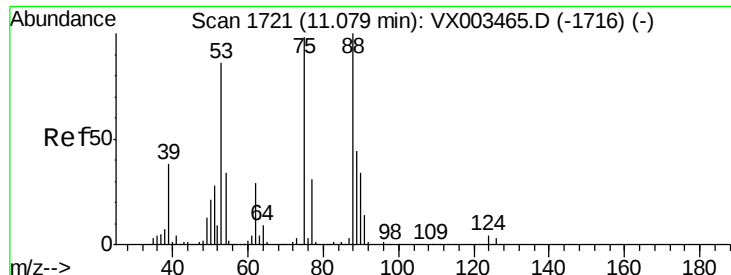
77 1.4 22.8 68.3#



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: 66.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003533.D

Acq: 21 Jul 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-071218

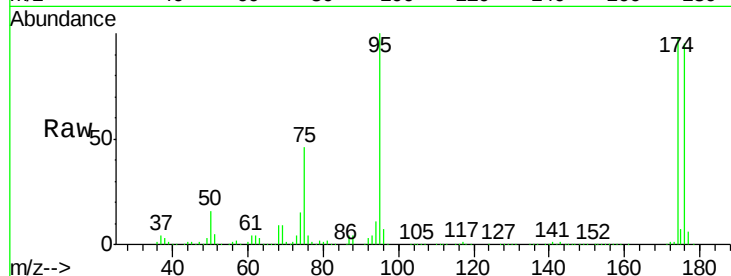
Tot Ion: 75 Resp: 97097

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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

