

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072118\
 Data File : VX003563.D
 Acq On : 21 Jul 2018 18:53
 Operator : JC/SP
 Sample : J4014-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D3-071318

Quant Time: Jul 23 01:40:17 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	263765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	415821	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	377509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206216	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	170968	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	5.51	113	151117	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	8.72	98	572103	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	11.14	95	195573	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

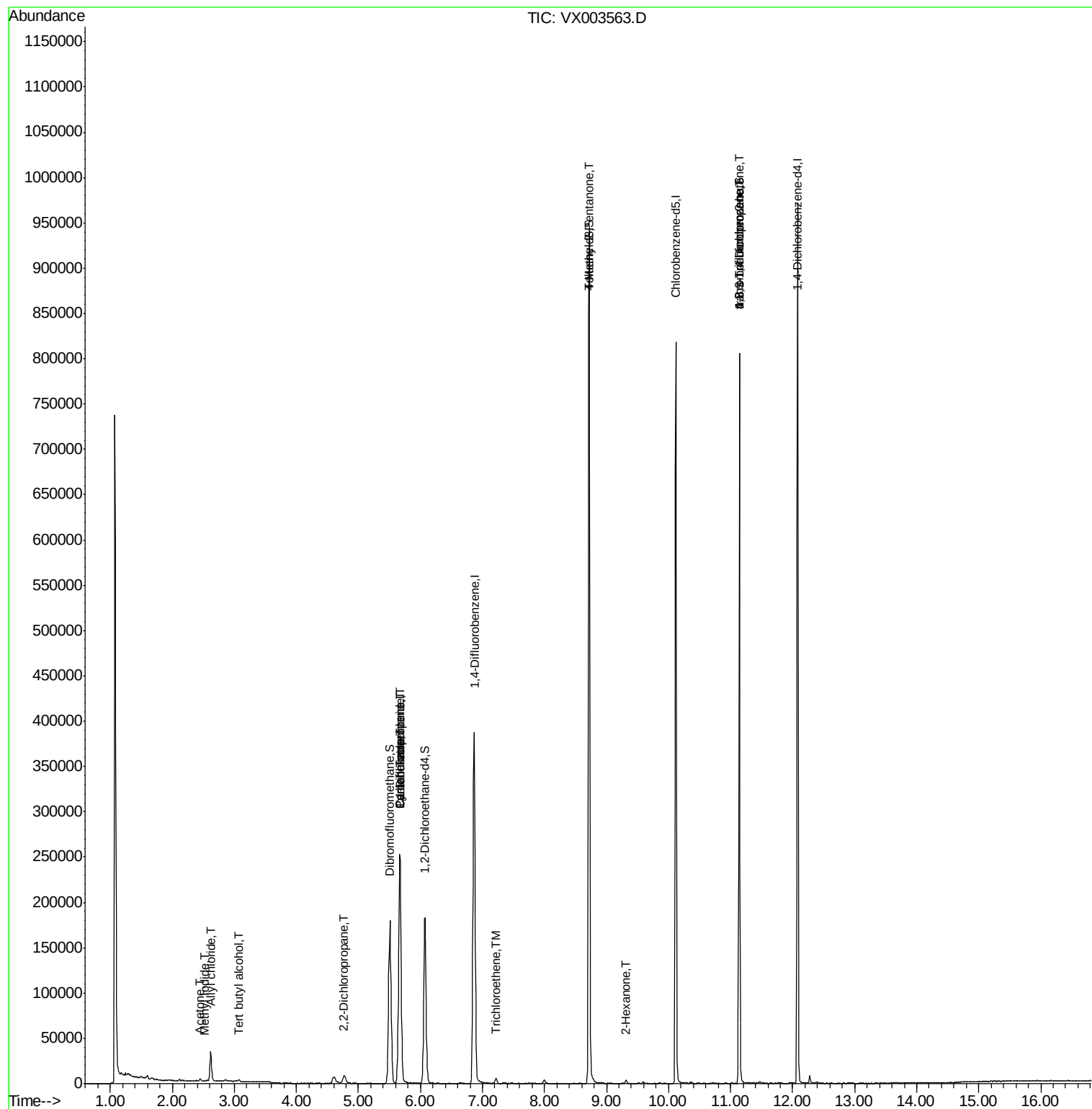
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	467	Below Cal		95
5) Bromomethane	1.66	94	1051	Below Cal		83
10) Methyl Iodide	2.52	142	728	0.21	ug/l #	88
11) Tert butyl alcohol	3.07	59	3439	5.57	ug/l #	95
14) Allyl chloride	2.62	41	3305	0.69	ug/l #	68
16) Acetone	2.45	43	2600	2.20	ug/l	98
20) Methylene Chloride	2.86	84	547	Below Cal	#	78
26) 2,2-Dichloropropane	4.77	77	803	0.20	ug/l #	53
31) Cyclohexane	5.66	56	4347	0.92	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17177	3.83	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22954	5.21	ug/l #	17
44) Trichloroethene	7.23	130	2356	0.58	ug/l	83
51) 4-Methyl-2-Pentanone	8.71	43	2279	0.53	ug/l #	1
59) 2-Hexanone	9.31	43	2197	0.69	ug/l	79
76) 1,2,3-Trichloropropane	11.14	75	93050	25.12	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	93050	70.33	ug/l #	7

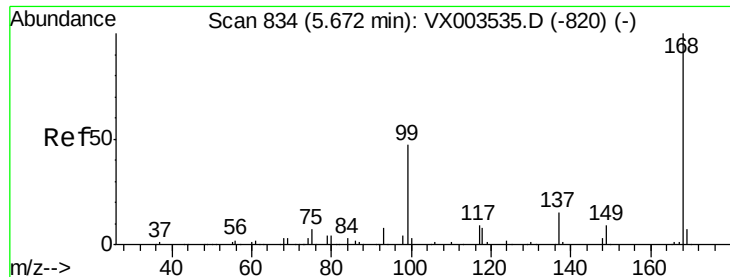
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 19 17:09:44 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

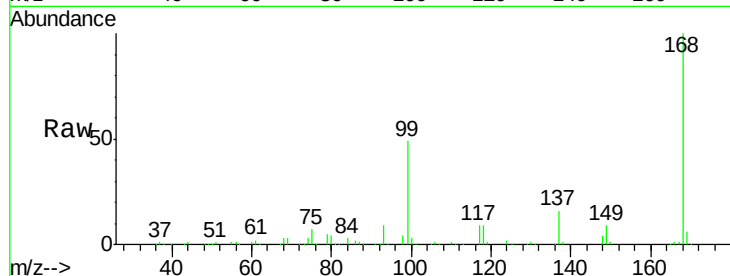
RE104D3-071318

Tot Ion:168 Resp: 263765

Ion Ratio Lower Upper

168 100

99 49.5 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

80000

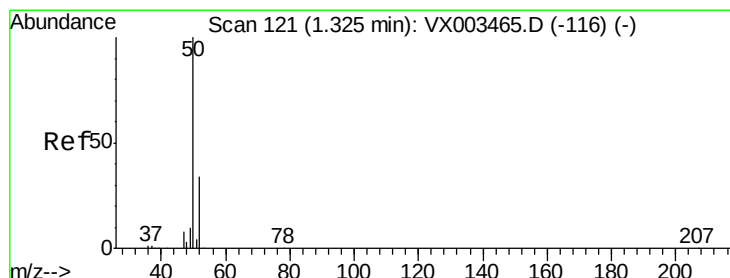
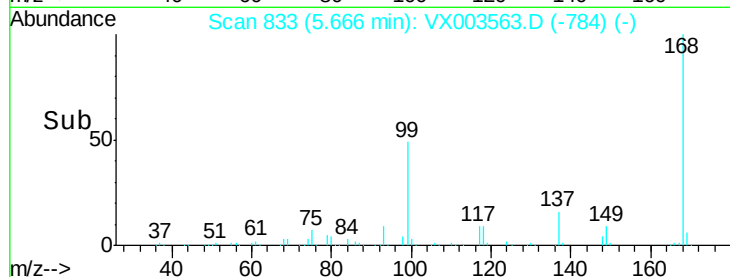
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003563.D

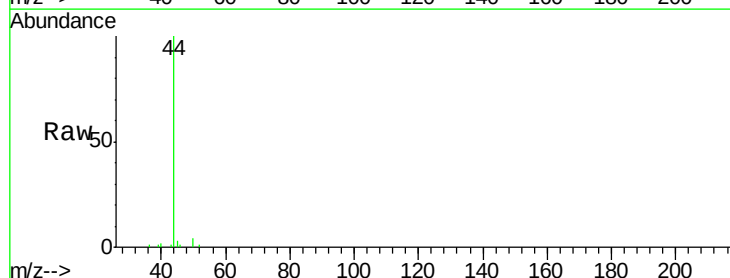
Acq: 21 Jul 2018 18:53

Tgt Ion: 50 Resp: 467

Ion Ratio Lower Upper

50 100

52 29.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

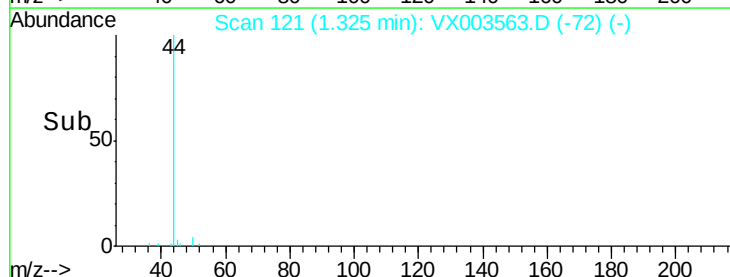
300

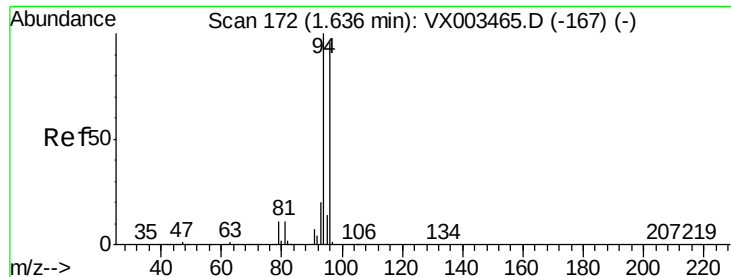
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

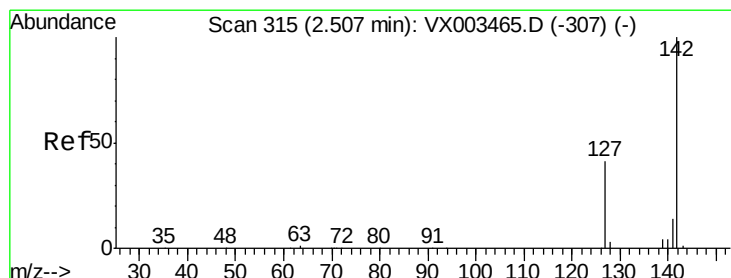
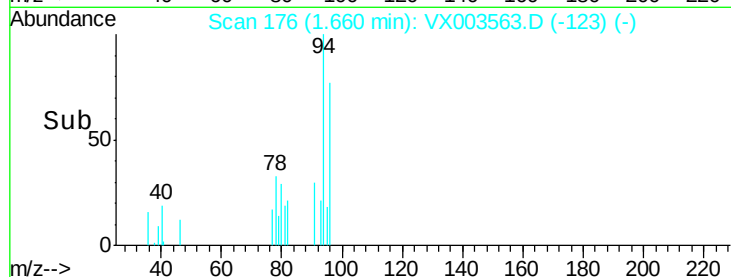
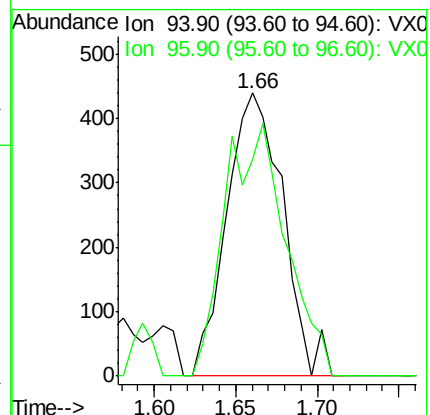
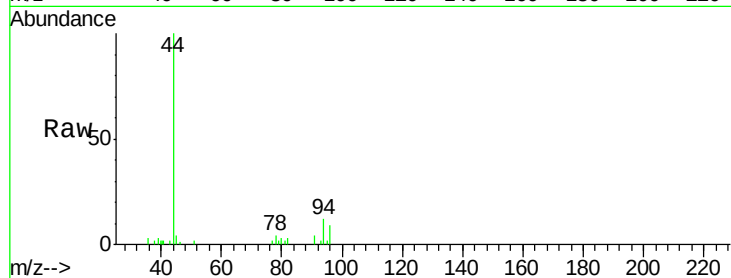
RE104D3-071318

Tot Ion: 94 Resp: 1051

Ion Ratio Lower Upper

94 100

96 76.8 74.9 112.3



#10

Methyl Iodide

Concen: 0.21 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

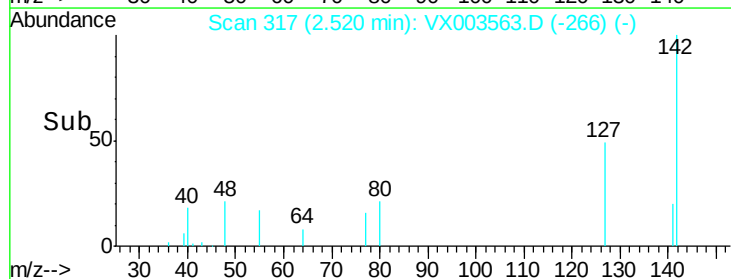
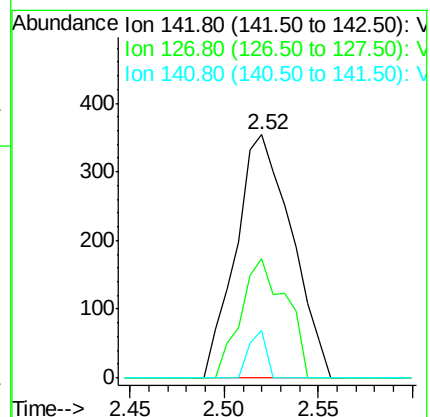
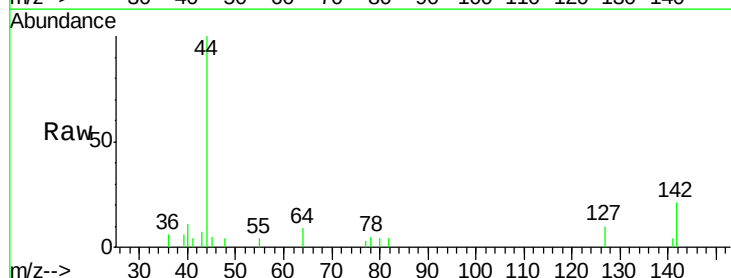
Tgt Ion: 142 Resp: 728

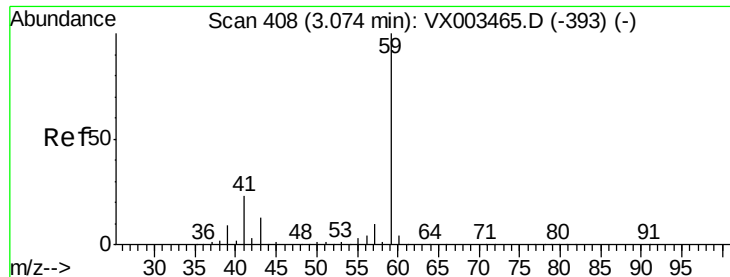
Ion Ratio Lower Upper

142 100

127 39.6 36.6 55.0

141 6.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 5.57 ug/l

RT: 3.07 min Scan# 408

Delta R.T. 0.00 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

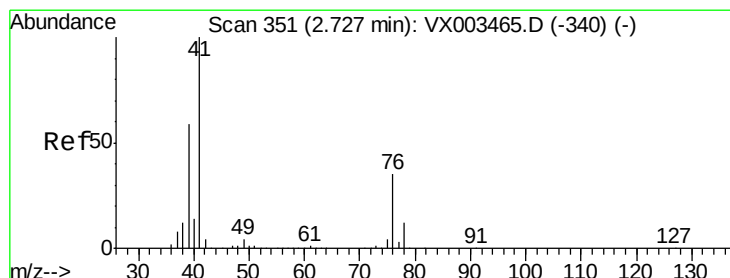
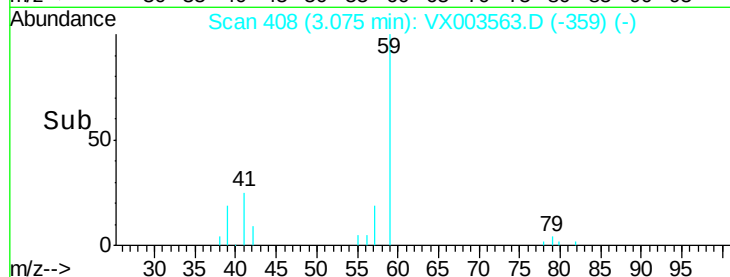
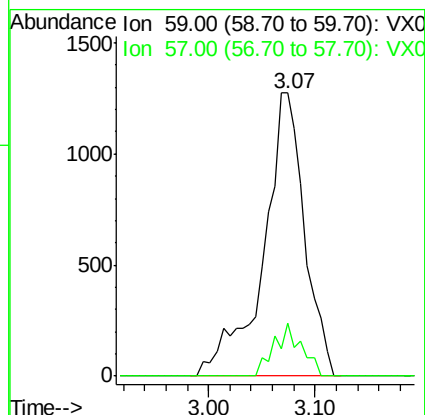
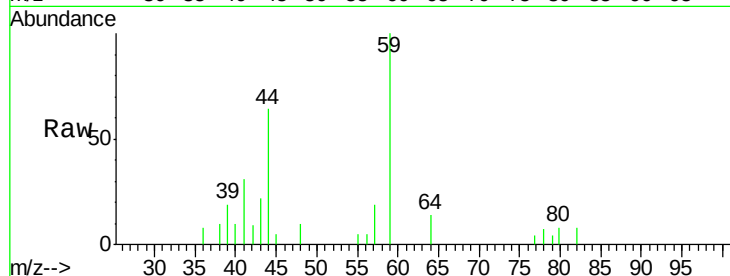
RE104D3-071318

Tot Ion: 59 Resp: 3439

Ion Ratio Lower Upper

59 100

57 12.2 8.2 12.2#



#14

Allyl chloride

Concen: 0.69 ug/l

RT: 2.62 min Scan# 333

Delta R.T. -0.11 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

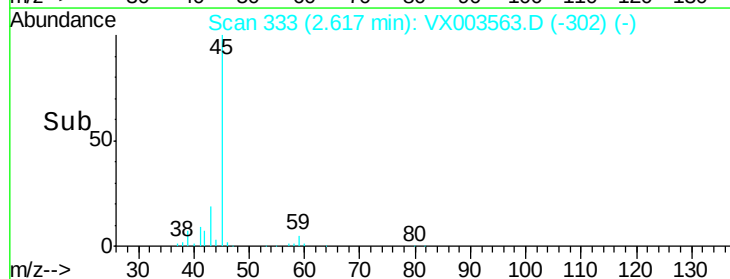
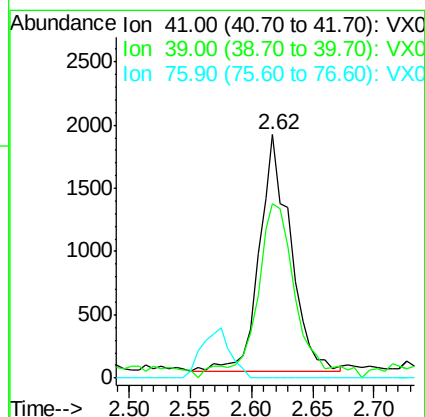
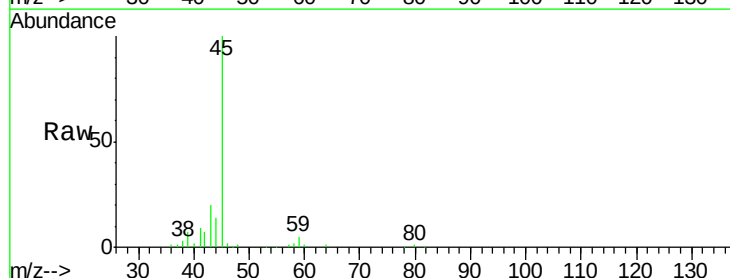
Tgt Ion: 41 Resp: 3305

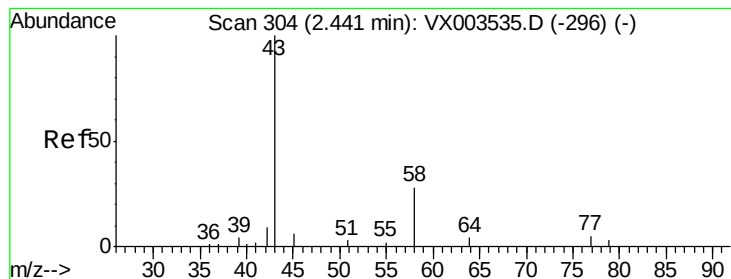
Ion Ratio Lower Upper

41 100

39 89.9 56.8 85.2#

76 0.0 23.8 35.8#





#16

Acetone

Concen: 2.20 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

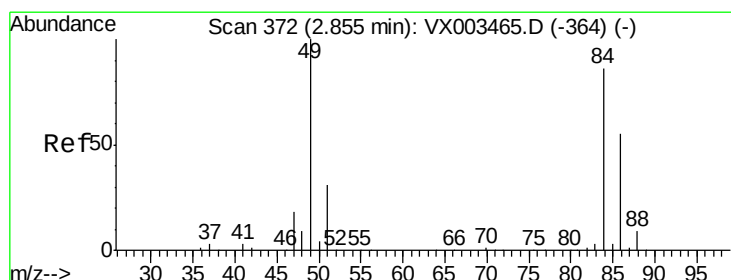
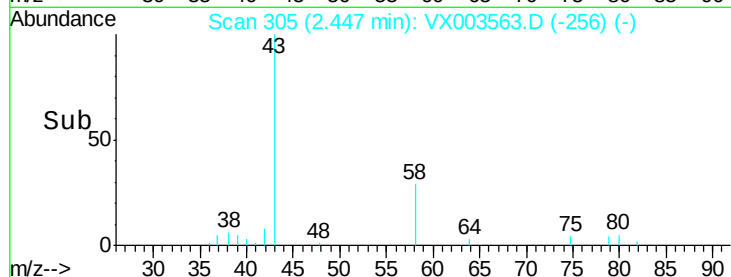
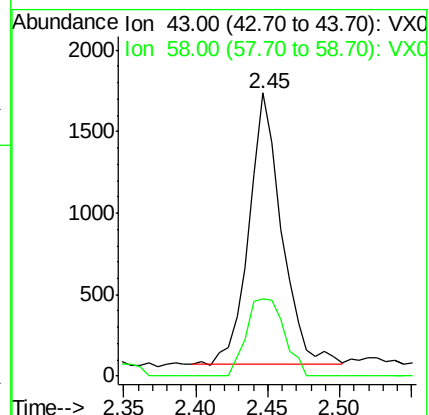
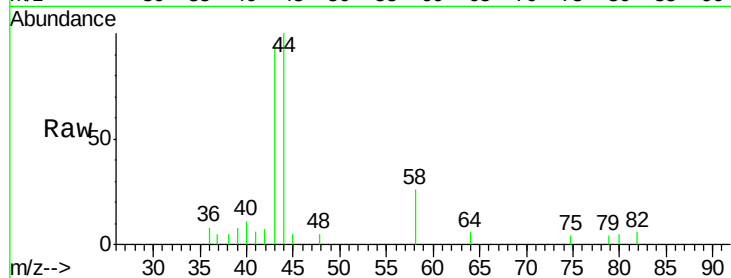
RE104D3-071318

Tot Ion: 43 Resp: 2600

Ion Ratio Lower Upper

43 100

58 28.6 22.1 33.1



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

Tgt Ion: 84 Resp: 547

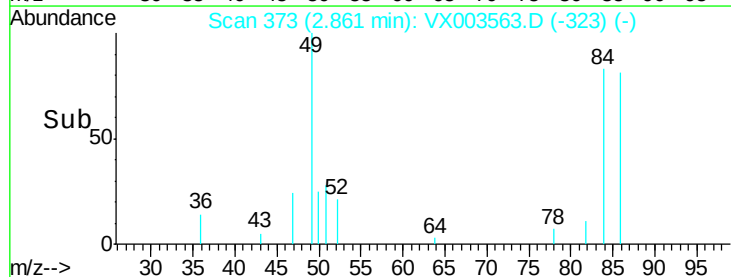
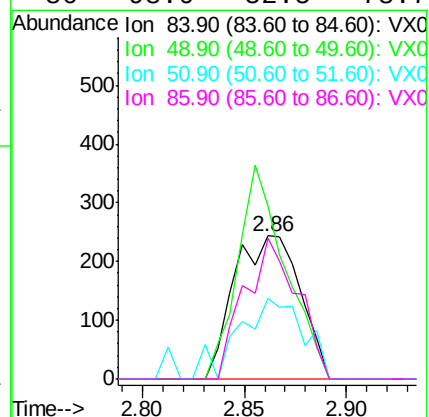
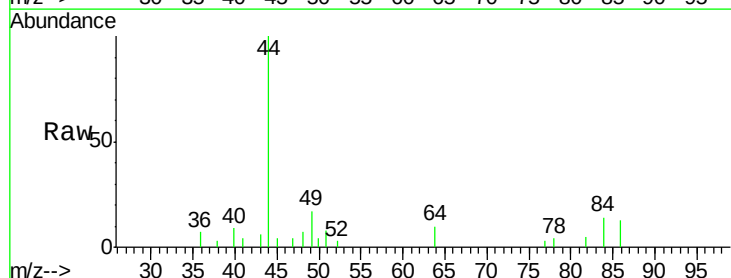
Ion Ratio Lower Upper

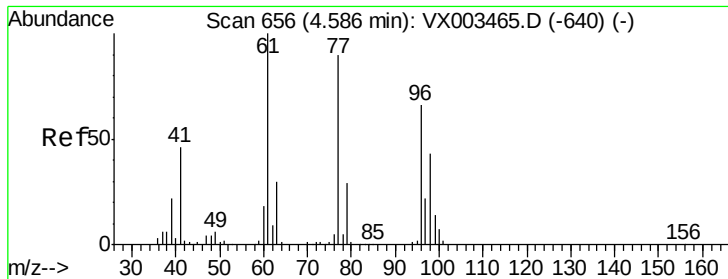
84 100

49 120.9 107.8 161.6

51 56.6 32.8 49.2#

86 98.0 52.5 78.7#

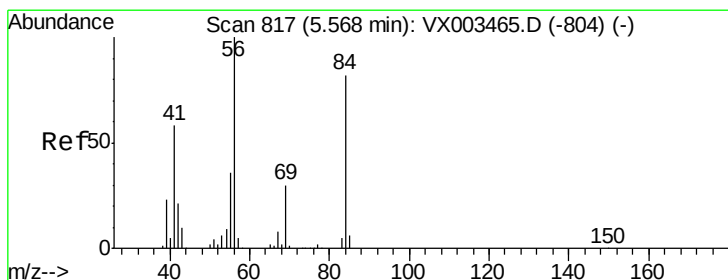
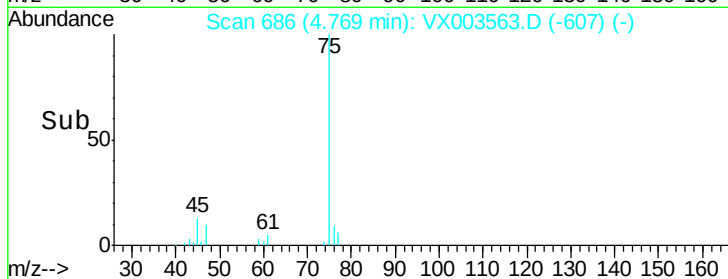
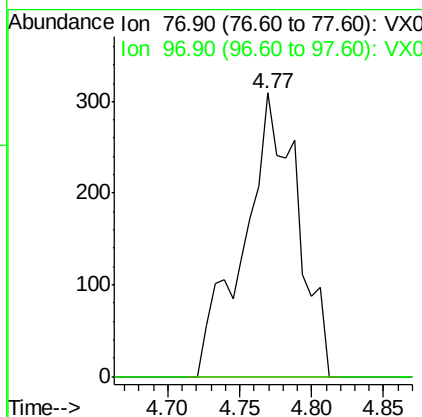
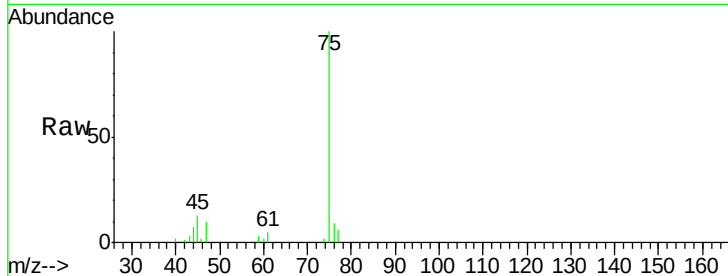




#26
 2,2-Dichloropropane
 Concen: 0.20 ug/l
 RT: 4.77 min Scan# 686
 Delta R.T. 0.18 min
 Lab File: VX003563.D
 Acq: 21 Jul 2018 18:53

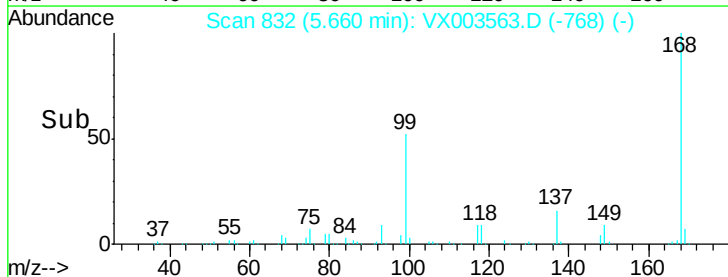
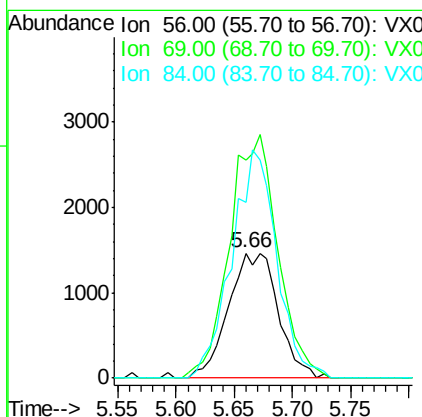
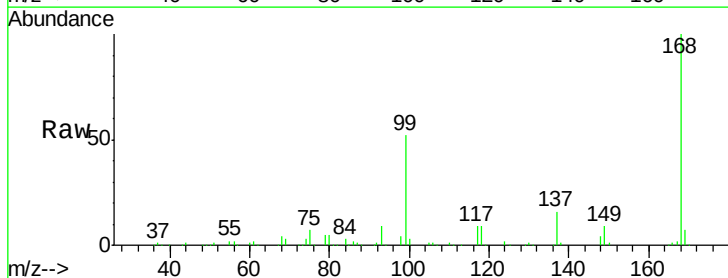
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D3-071318

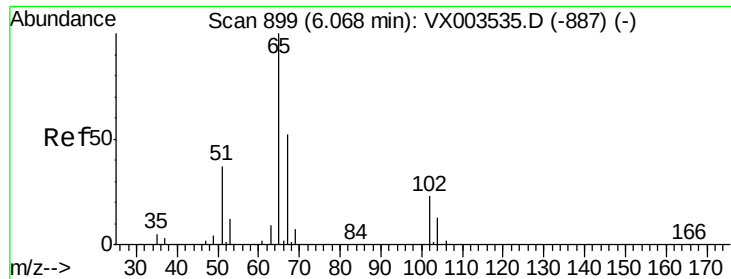
Tot Ion: 77 Resp: 803
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.5#



#31
 Cyclohexane
 Concen: 0.92 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. 0.09 min
 Lab File: VX003563.D
 Acq: 21 Jul 2018 18:53

Tgt Ion: 56 Resp: 4347
 Ion Ratio Lower Upper
 56 100
 69 174.3 23.7 35.5#
 84 140.8 64.1 96.1#

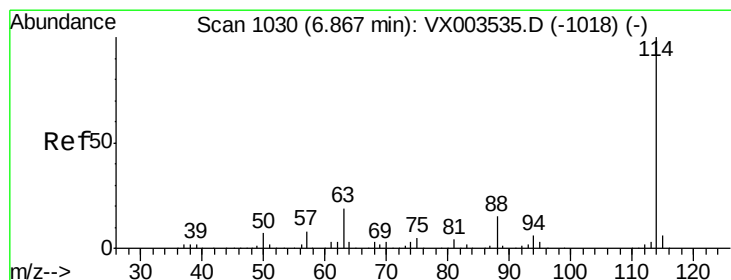
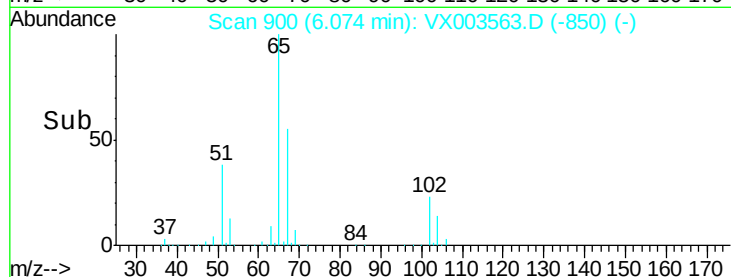
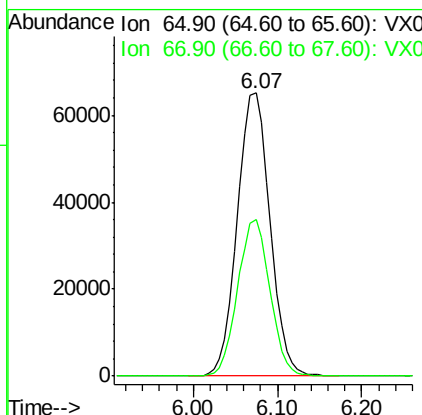
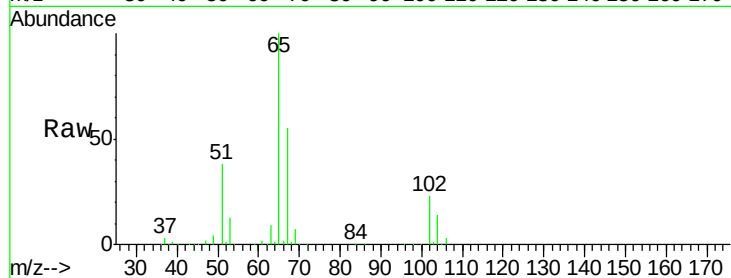




#33
 1,2-Dichloroethane-d4
 Concen: 54.76 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003563.D
 Acq: 21 Jul 2018 18:53

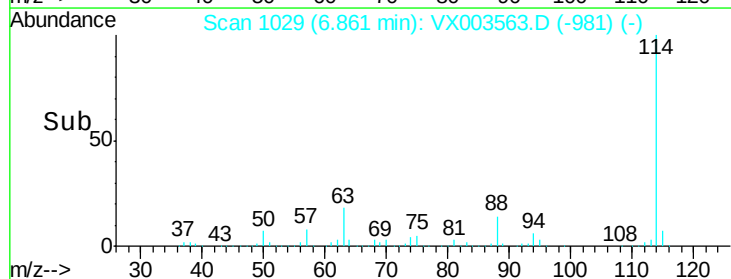
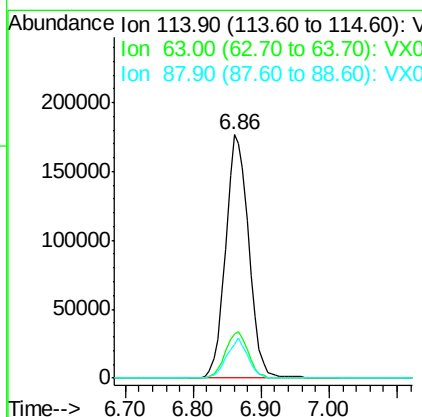
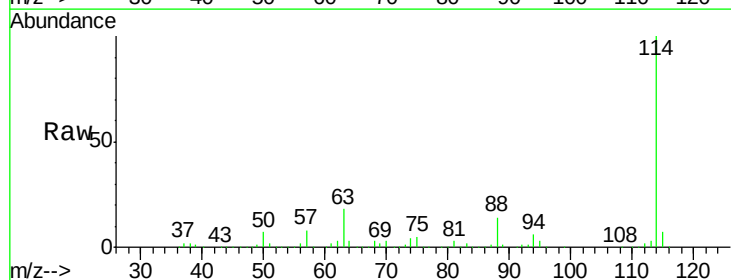
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D3-071318

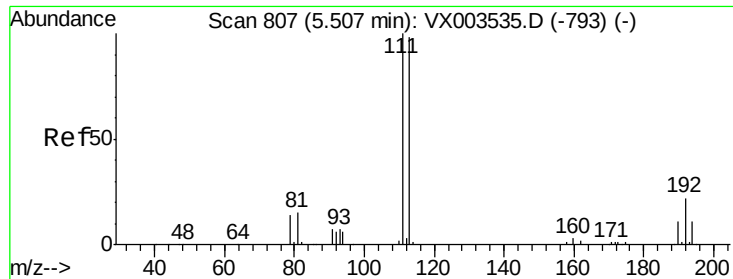
Tot Ion: 65 Resp: 170968
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003563.D
 Acq: 21 Jul 2018 18:53

Tgt Ion: 114 Resp: 415821
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 41.4
 88 13.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.71 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

RE104D3-071318

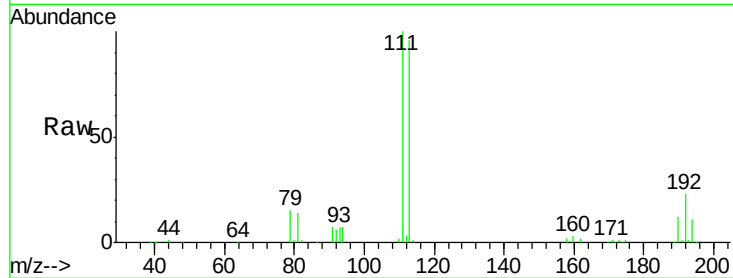
Tot Ion:113 Resp: 151117

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

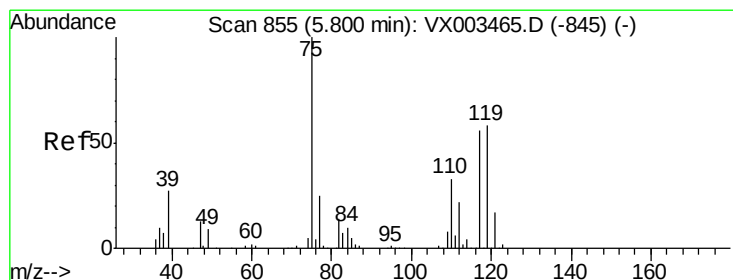
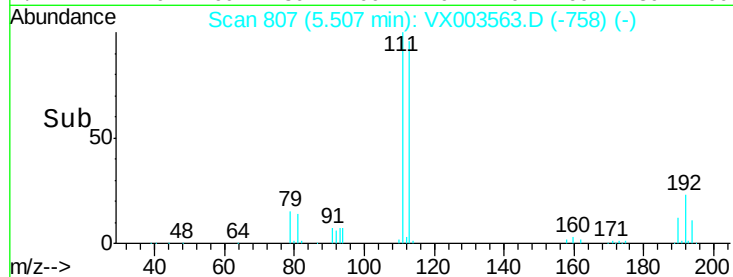
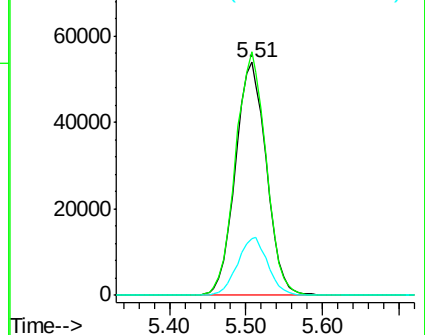
192 24.4 19.1 28.7



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: 3.83 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

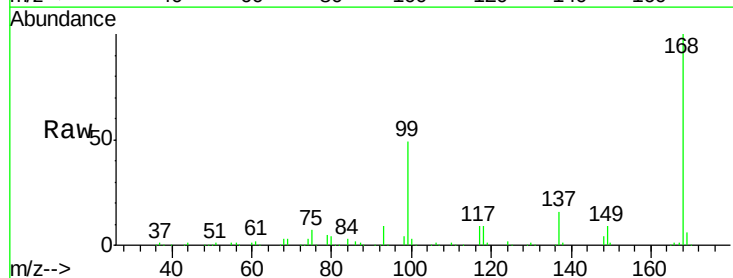
Tgt Ion: 75 Resp: 17177

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

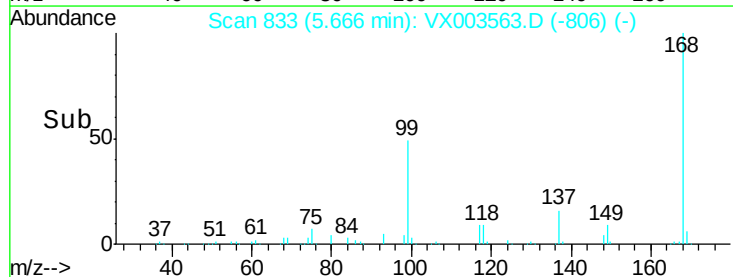
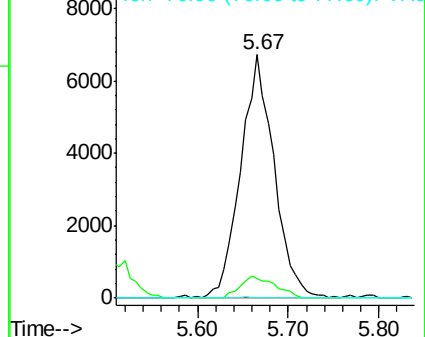
77 0.1 24.3 36.5#

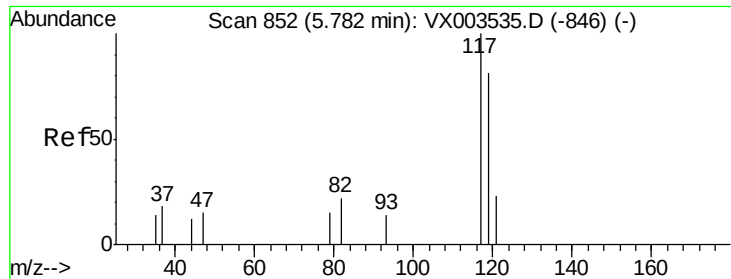


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.21 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

RE104D3-071318

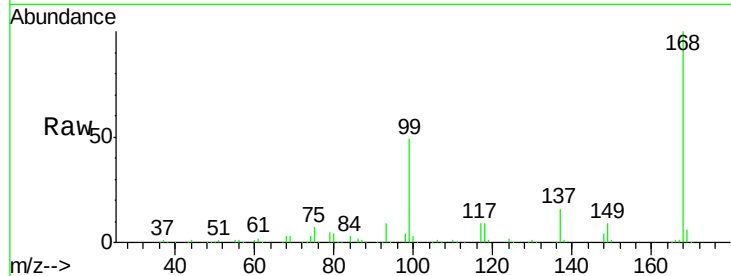
Tot Ion:117 Resp: 22954

Ion Ratio Lower Upper

117 100

119 6.3 77.4 116.0#

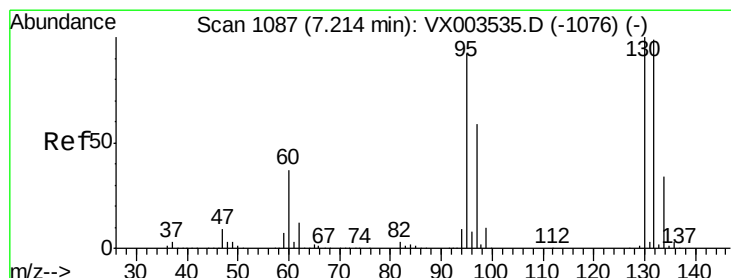
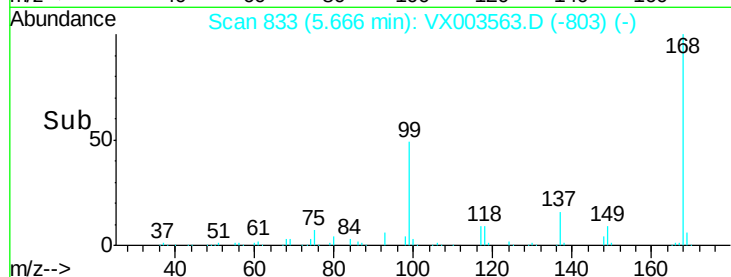
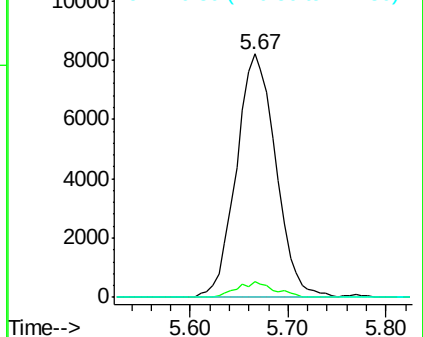
121 0.0 24.4 36.6#



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



#44

Trichloroethene

Concen: 0.58 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX003563.D

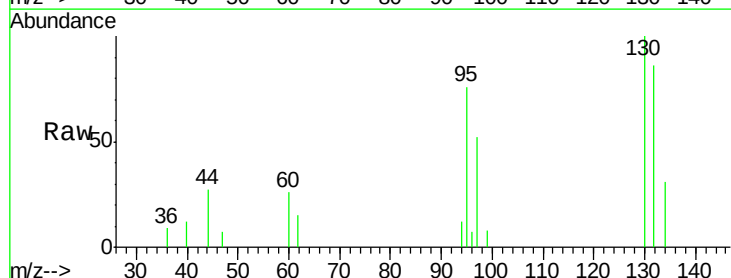
Acq: 21 Jul 2018 18:53

Tgt Ion:130 Resp: 2356

Ion Ratio Lower Upper

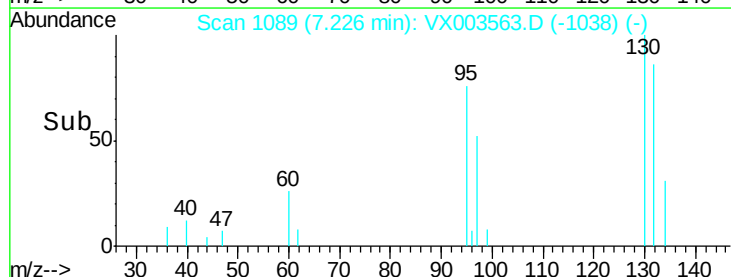
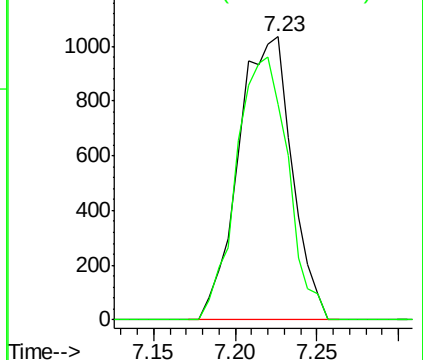
130 100

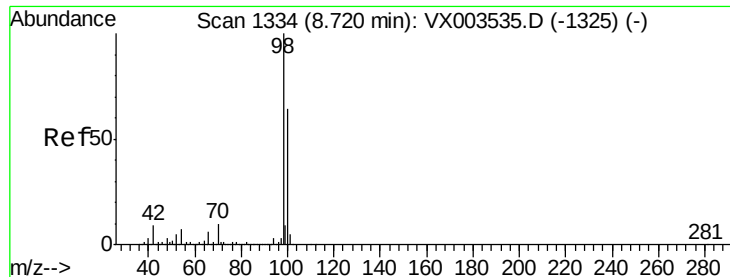
95 75.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

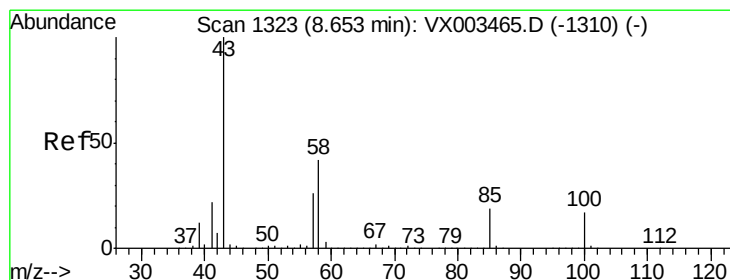
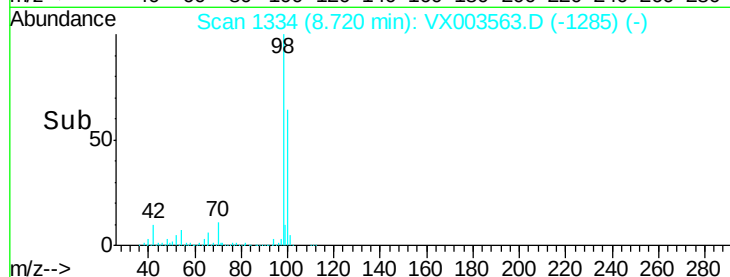
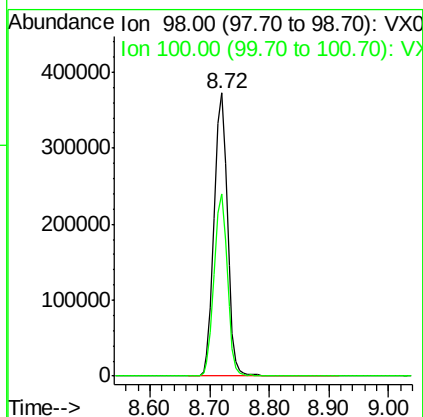
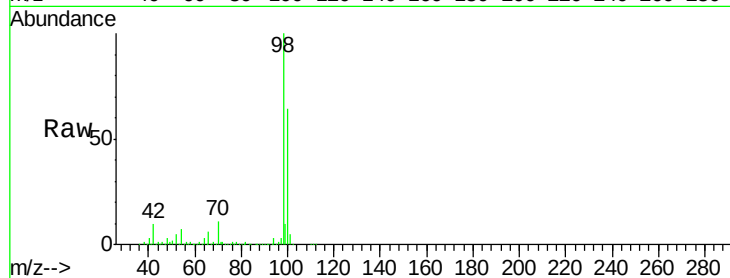




#50
Toluene-d8
Concen: 48.06 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003563.D
Acq: 21 Jul 2018 18:53

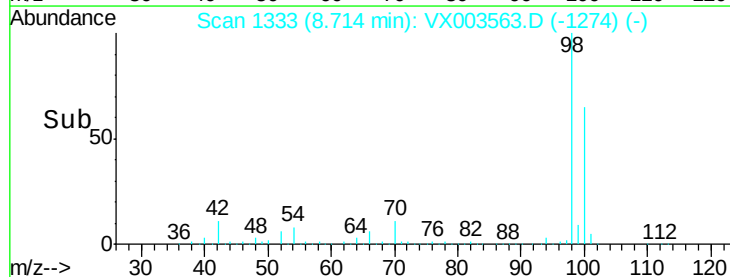
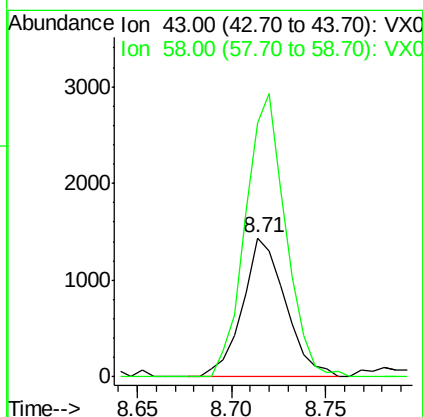
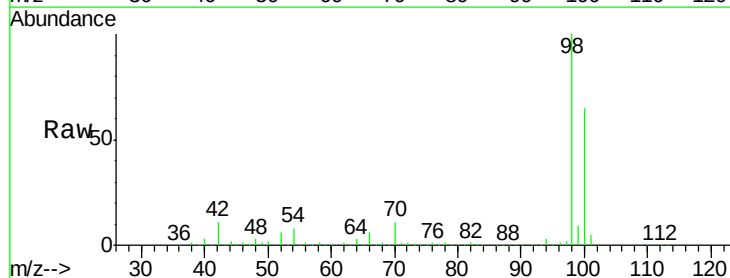
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-071318

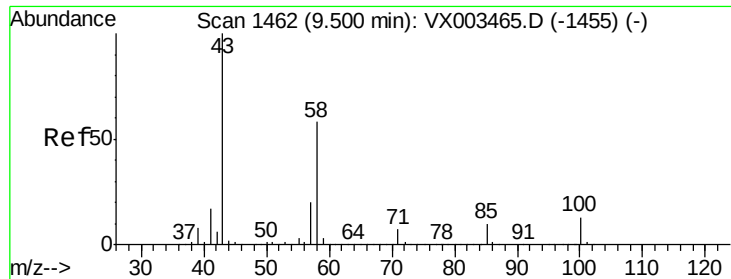
Tot Ion: 98 Resp: 572103
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.06 min
Lab File: VX003563.D
Acq: 21 Jul 2018 18:53

Tgt Ion: 43 Resp: 2279
Ion Ratio Lower Upper
43 100
58 189.2 28.6 42.8#

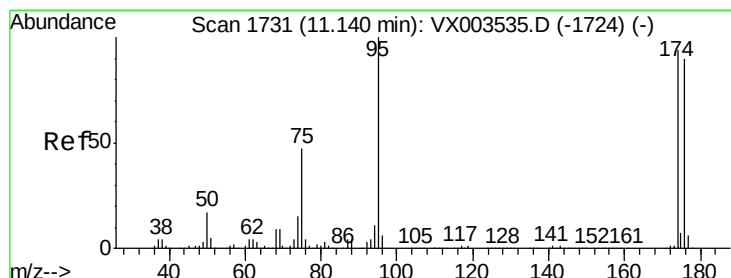
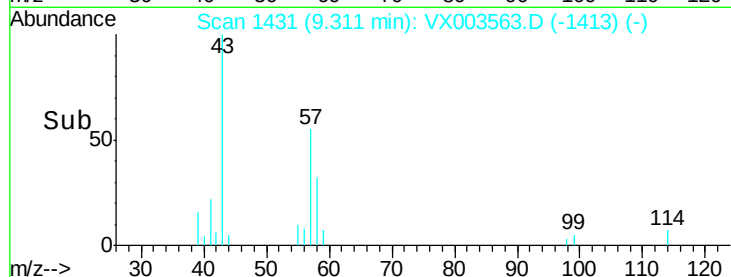
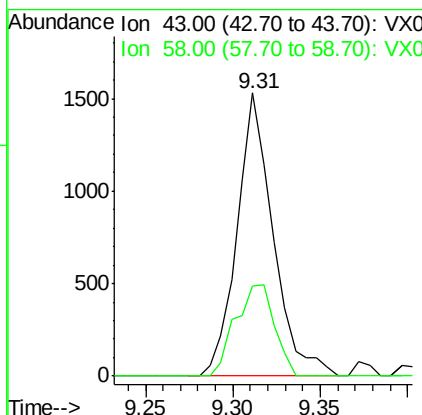
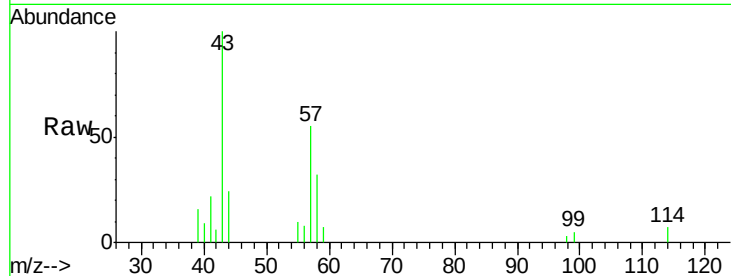




#59
2-Hexanone
Concen: 0.69 ug/l
RT: 9.31 min Scan# 1431
Delta R.T. -0.19 min
Lab File: VX003563.D
Acq: 21 Jul 2018 18:53

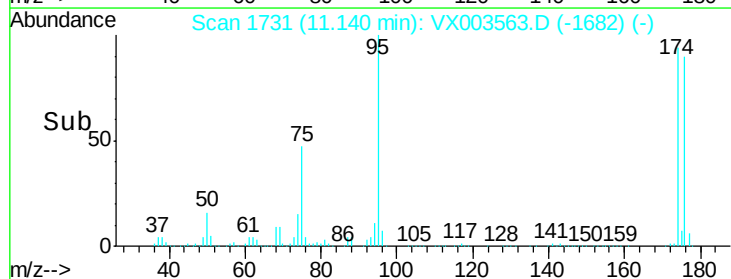
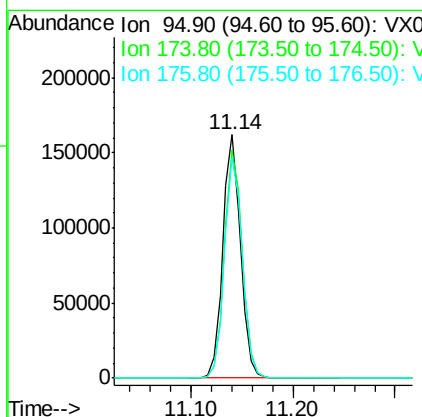
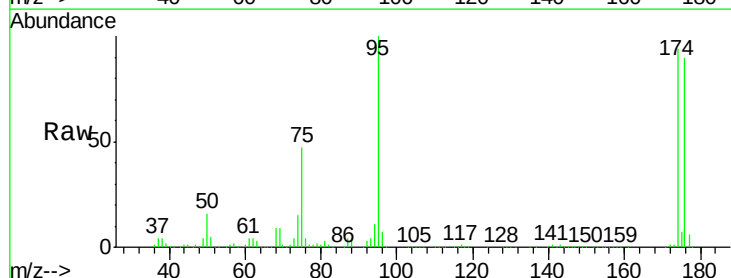
Instrument :
MSVOA_X
ClientSampleId :
RE104D3-071318

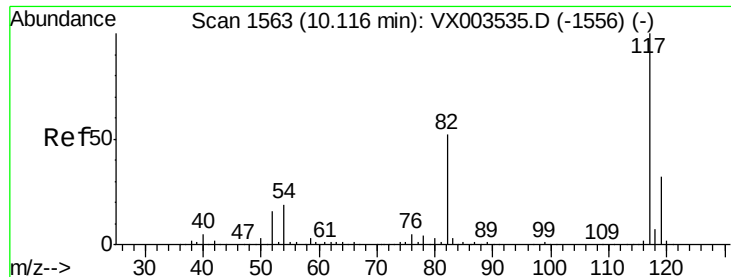
Tot Ion: 43 Resp: 2197
Ion Ratio Lower Upper
43 100
58 34.7 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 45.02 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003563.D
Acq: 21 Jul 2018 18:53

Tgt Ion: 95 Resp: 195573
Ion Ratio Lower Upper
95 100
174 95.4 0.0 187.4
176 91.6 0.0 181.0

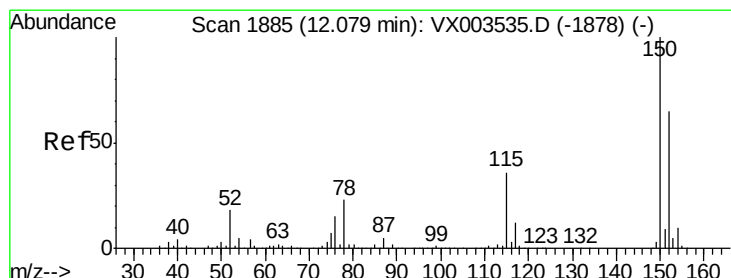
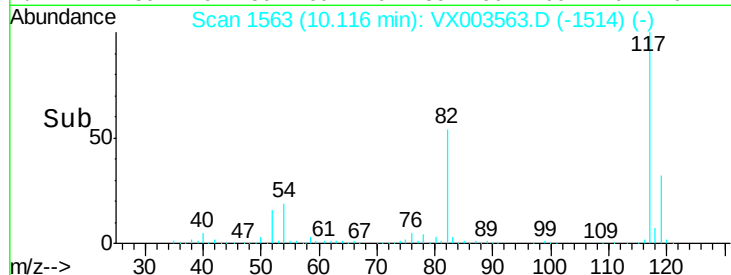
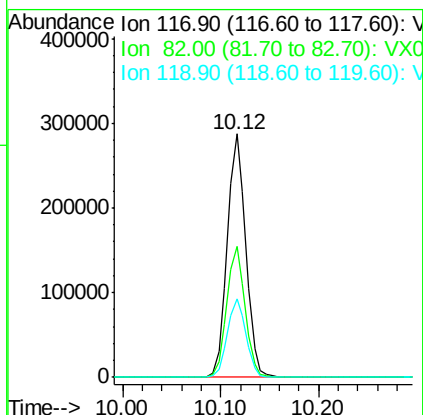
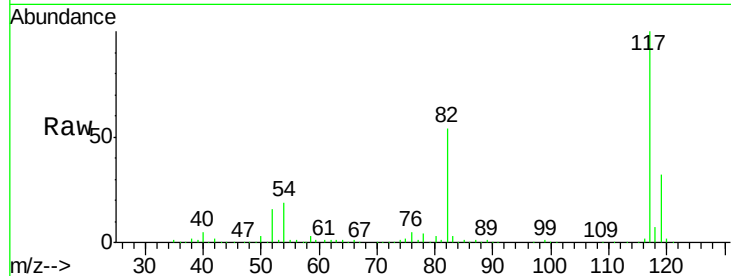




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VX003563.D
 Acq: 21 Jul 2018 18:53

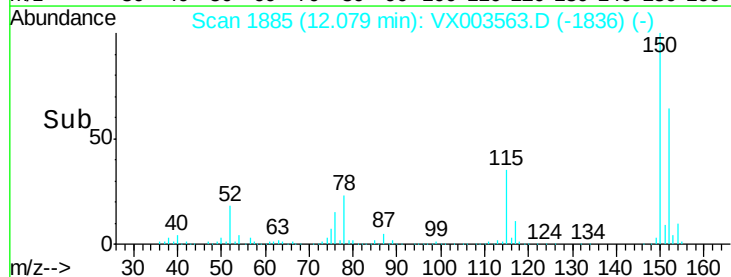
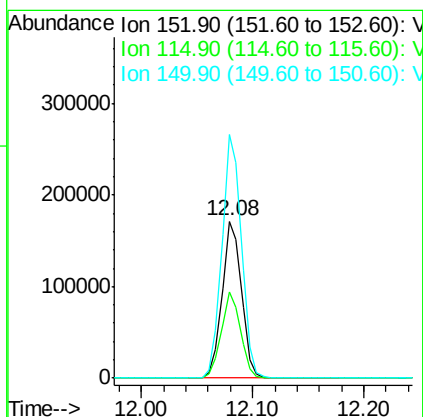
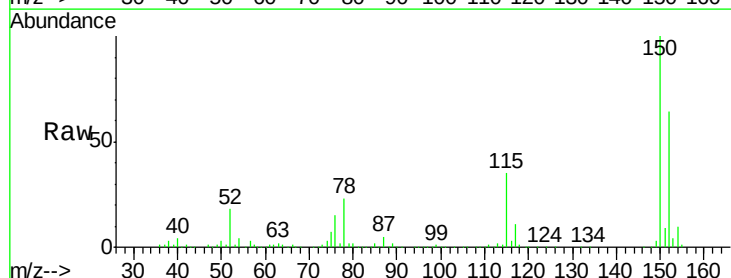
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D3-071318

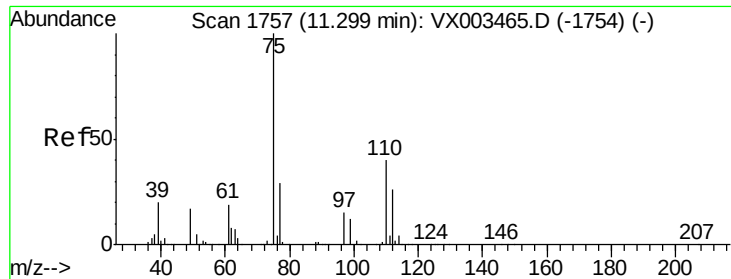
Tot Ion:117 Resp: 377509
 Ion Ratio Lower Upper
 117 100
 82 53.6 45.0 67.4
 119 32.2 25.8 38.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. 0.00 min
 Lab File: VX003563.D
 Acq: 21 Jul 2018 18:53

Tgt Ion:152 Resp: 206216
 Ion Ratio Lower Upper
 152 100
 115 54.3 40.1 120.2
 150 156.4 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 25.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

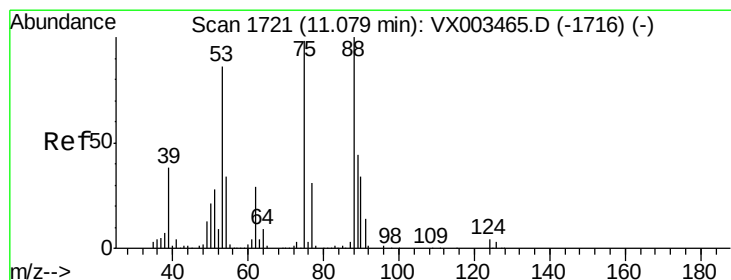
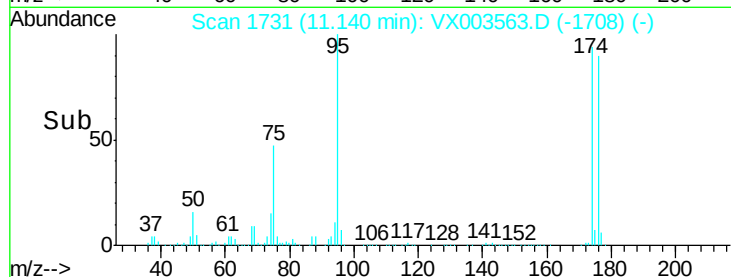
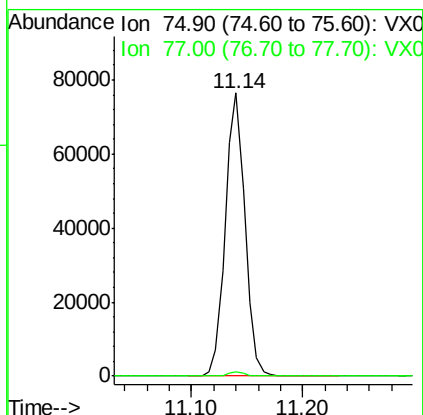
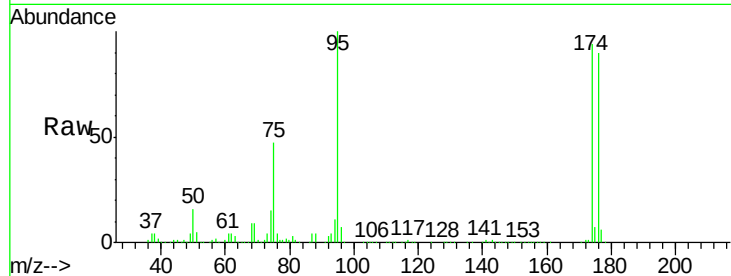
RE104D3-071318

Tot Ion: 75 Resp: 93050

Ion Ratio Lower Upper

75 100

77 1.3 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003563.D

Acq: 21 Jul 2018 18:53

Tgt Ion: 75 Resp: 93050

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

