

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072518\
 Data File : VX003667.D
 Acq On : 25 Jul 2018 19:30
 Operator : JC/SP
 Sample : J4073-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D1-071618

Quant Time: Jul 27 04:36:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	82416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	129446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	123179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	78824	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	67221	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
35) Dibromofluoromethane	5.51	113	53444	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	8.72	98	235287	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	
62) 4-Bromofluorobenzene	11.14	95	87196	59.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.40%	

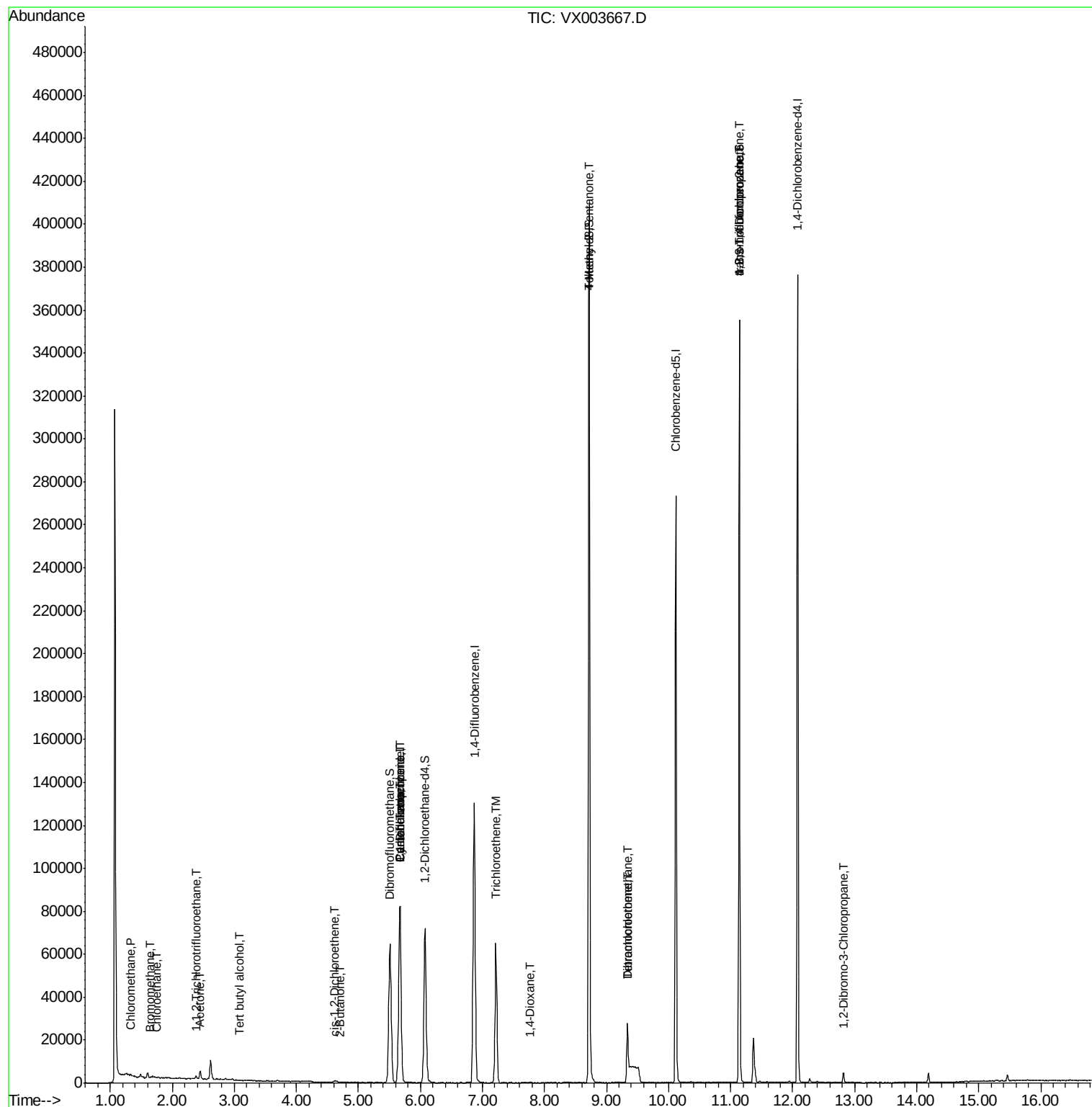
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	467	0.378	ug/l	91
5) Bromomethane	1.65	94	238	0.390	ug/l	99
6) Chloroethane	1.74	64	145	2.100	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	2.39	101	521	0.520	ug/l	95
11) Tert butyl alcohol	3.07	59	132	0.452	ug/l #	72
16) Acetone	2.45	43	4144	7.225	ug/l	98
25) 2-Butanone	4.71	43	181	0.204	ug/l #	50
27) cis-1,2-Dichloroethene	4.60	96	232	0.208	ug/l #	2
31) Cyclohexane	5.67	56	1562	0.952	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	5888	3.891	ug/l #	48
38) Carbon Tetrachloride	5.67	117	7574	5.194	ug/l #	14
44) Trichloroethene	7.22	130	25567	21.297	ug/l	91
49) 1,4-Dioxane	7.76	88	295	9.817	ug/l #	87
51) 4-Methyl-2-Pentanone	8.71	43	1063	0.594	ug/l #	1
60) Dibromochloromethane	9.34	129	325	0.301	ug/l #	11
64) Tetrachloroethene	9.34	164	421	0.374	ug/l #	77
76) 1,2,3-Trichloropropane	11.14	75	42578	25.753	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	42578	79.790	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	95	0.229	ug/l #	1

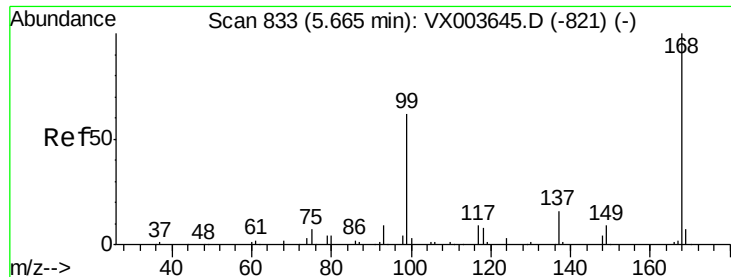
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX072518\
Data File : VX003667.D
Acq On : 25 Jul 2018 19:30
Operator : JC/SP
Sample : J4073-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE109D1-071618

Quant Time: Jul 27 04:36:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 02:16:51 2018
Response via : Initial Calibration

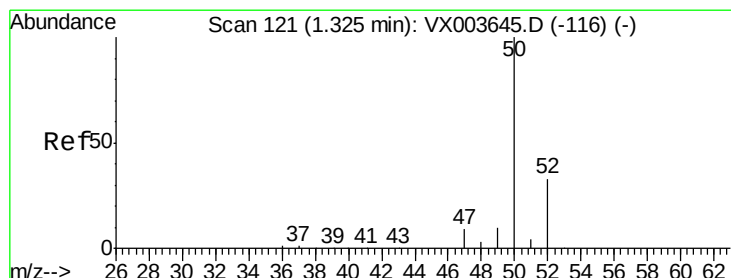
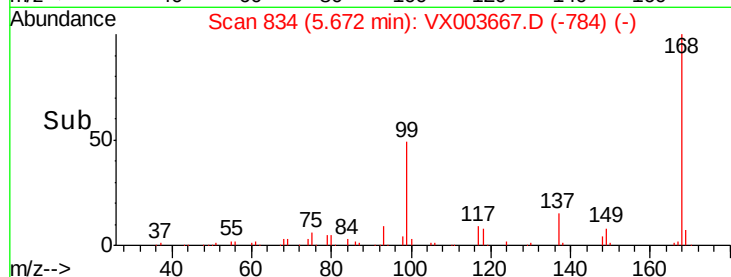
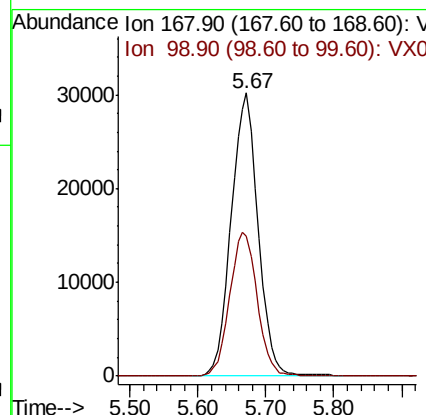
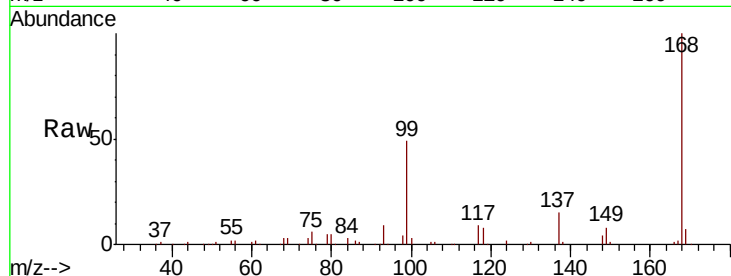




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003667.D
Acq: 25 Jul 2018 19:30

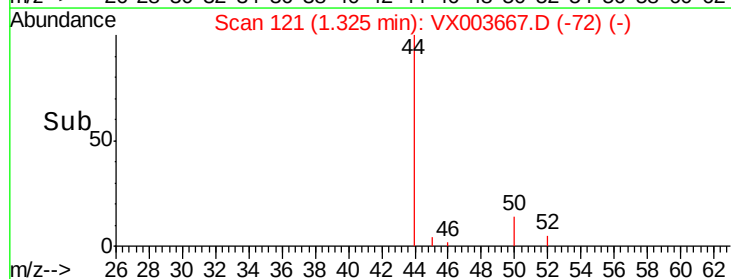
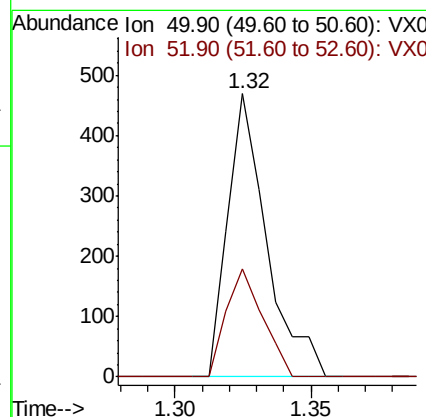
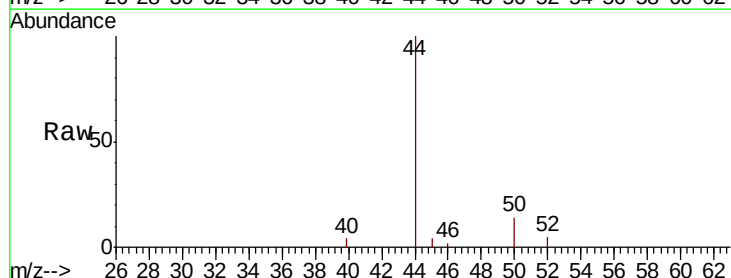
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-071618

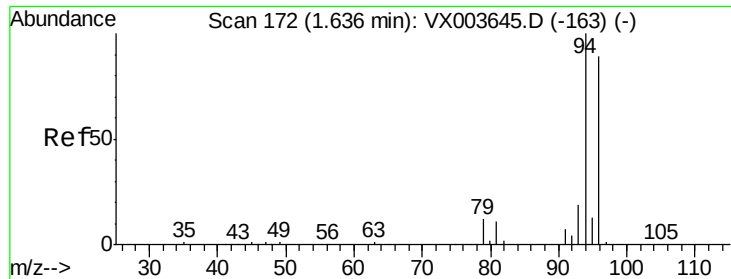
Tgt Ion:168 Resp: 82416
Ion Ratio Lower Upper
168 100
99 49.5 49.5 74.3#



#3
Chloromethane
Concen: 0.378 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003667.D
Acq: 25 Jul 2018 19:30

Tgt Ion: 50 Resp: 467
Ion Ratio Lower Upper
50 100
52 38.2 26.3 39.5





#5

Bromomethane

Concen: 0.390 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

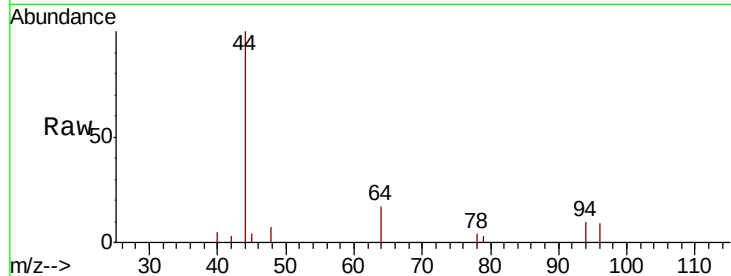
RE109D1-071618

Tgt Ion: 94 Resp: 238

Ion Ratio Lower Upper

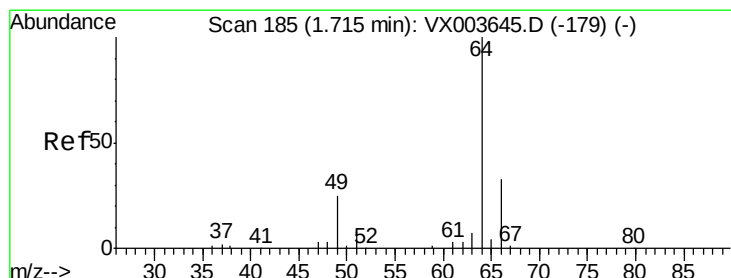
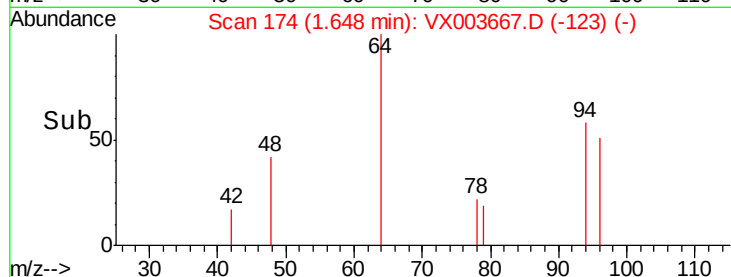
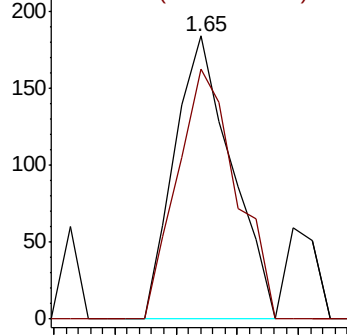
94 100

96 88.6 71.3 106.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 2.100 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.03 min

Lab File: VX003667.D

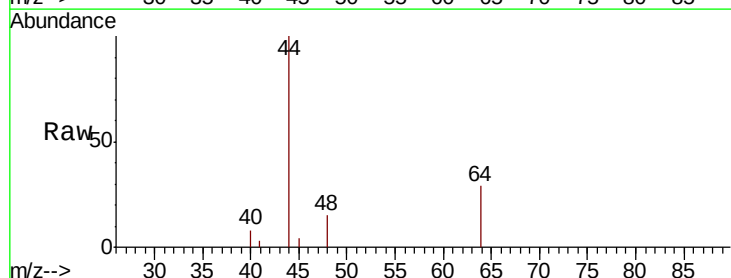
Acq: 25 Jul 2018 19:30

Tgt Ion: 64 Resp: 145

Ion Ratio Lower Upper

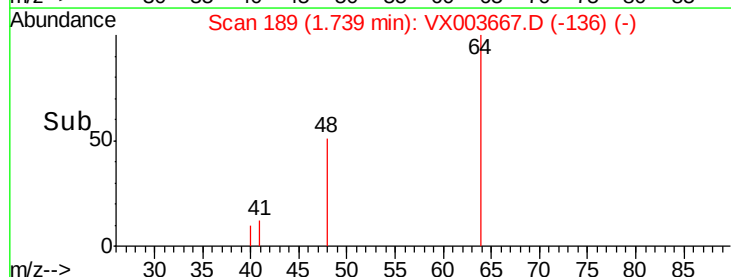
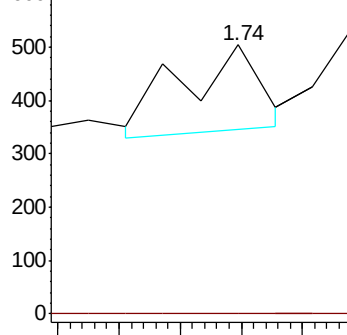
64 100

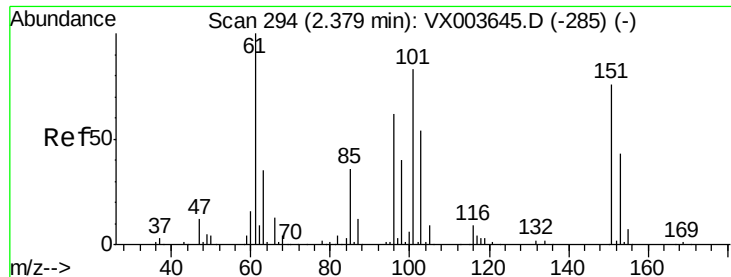
66 0.0 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.520 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-071618

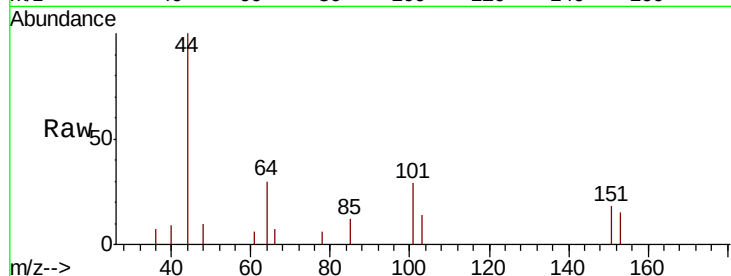
Tgt Ion:101 Resp: 521

Ion Ratio Lower Upper

101 100

85 45.9 34.6 52.0

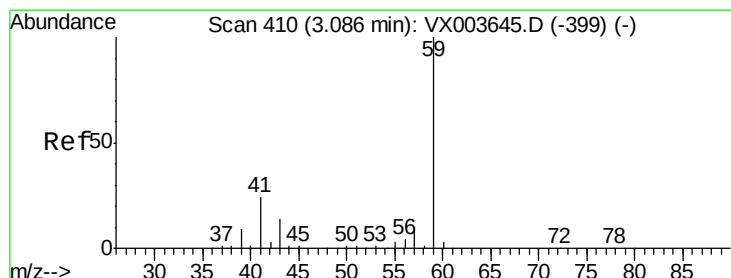
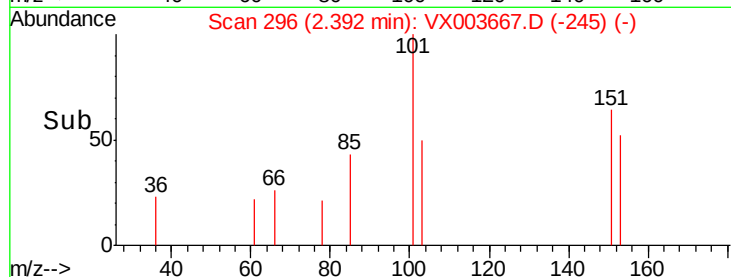
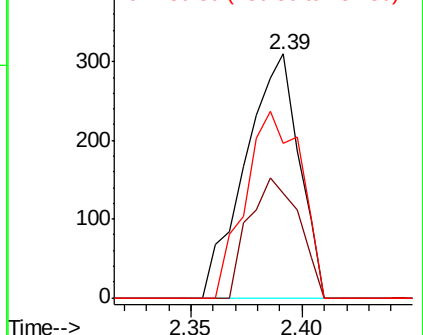
151 79.1 67.5 101.3



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: 0.452 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003667.D

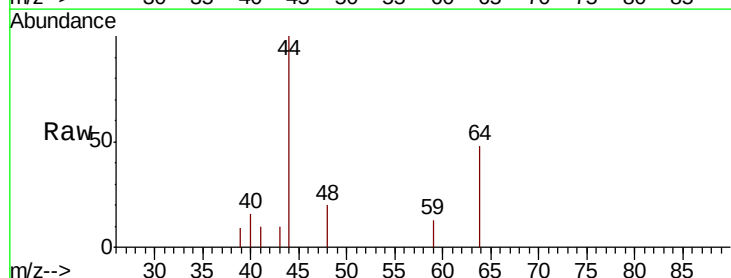
Acq: 25 Jul 2018 19:30

Tgt Ion: 59 Resp: 132

Ion Ratio Lower Upper

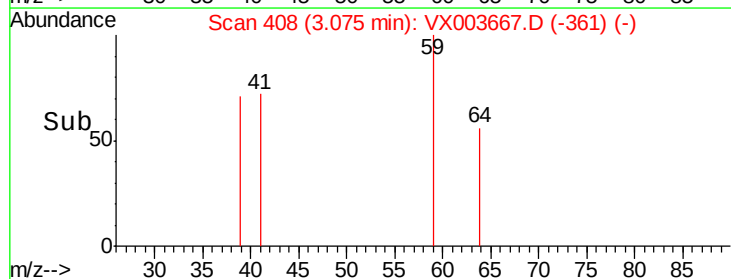
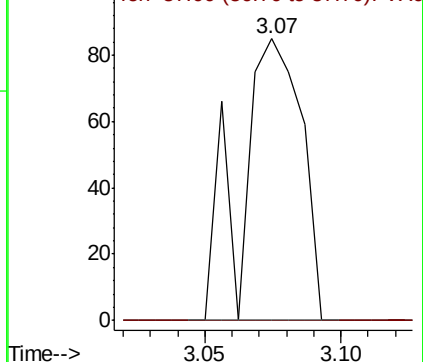
59 100

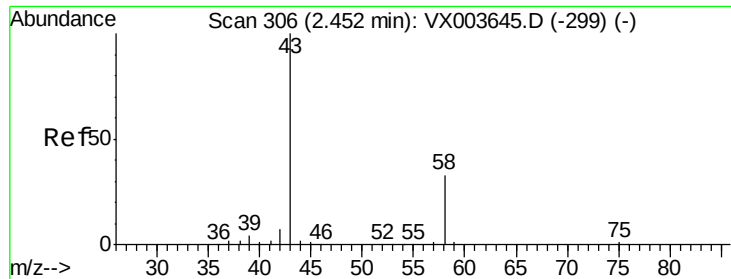
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 7.225 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

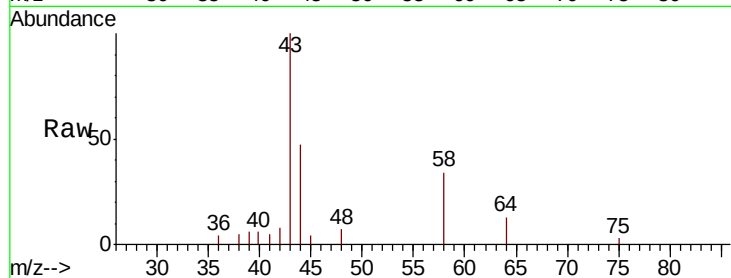
RE109D1-071618

Tgt Ion: 43 Resp: 4144

Ion Ratio Lower Upper

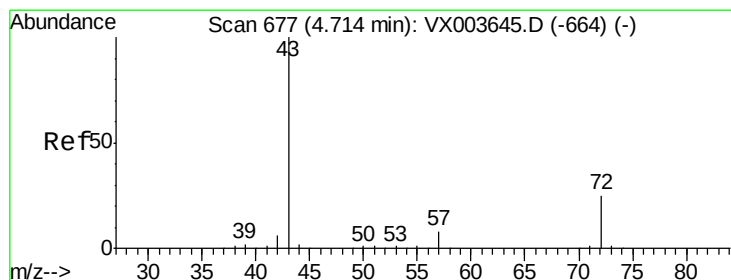
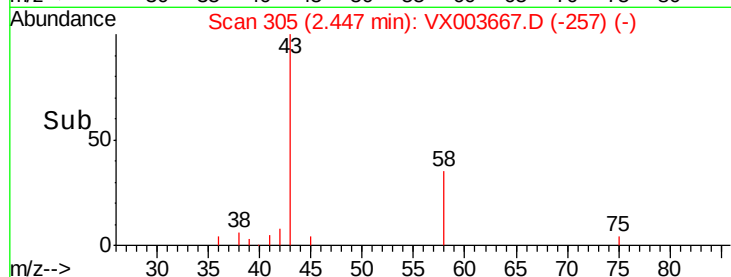
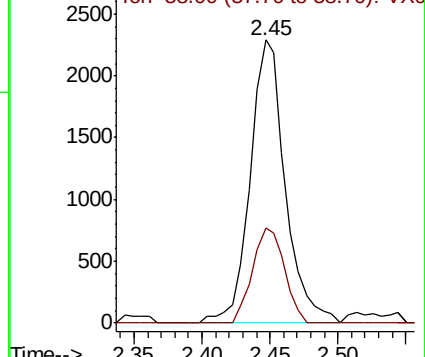
43 100

58 33.7 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.204 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003667.D

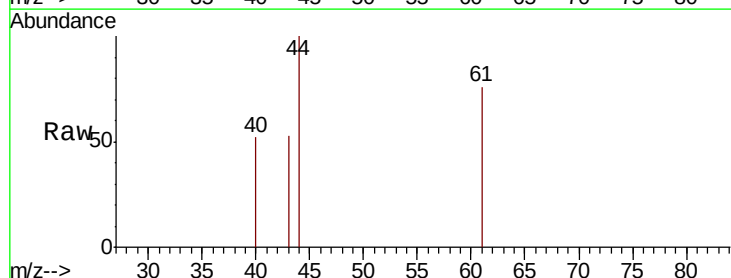
Acq: 25 Jul 2018 19:30

Tgt Ion: 43 Resp: 181

Ion Ratio Lower Upper

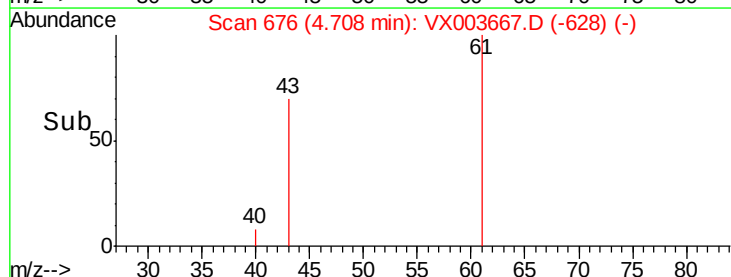
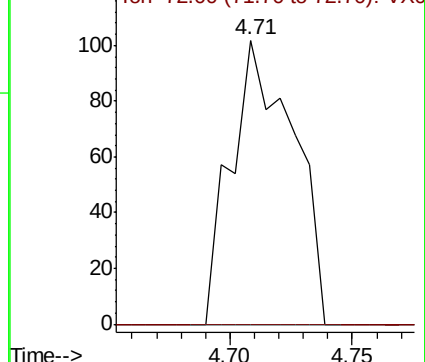
43 100

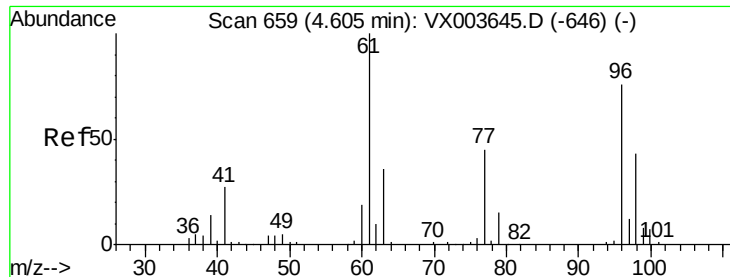
72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



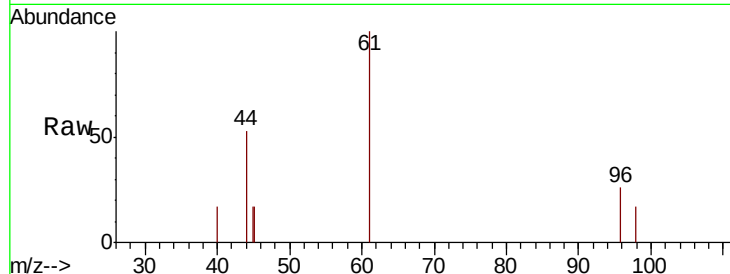


#27

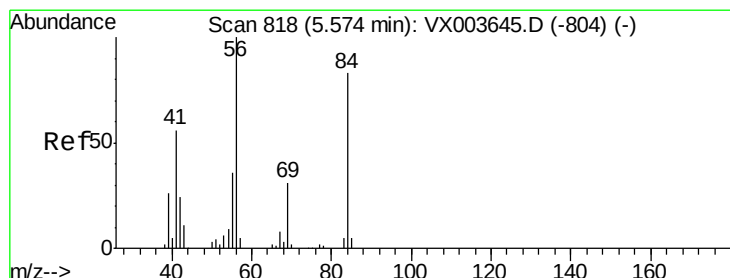
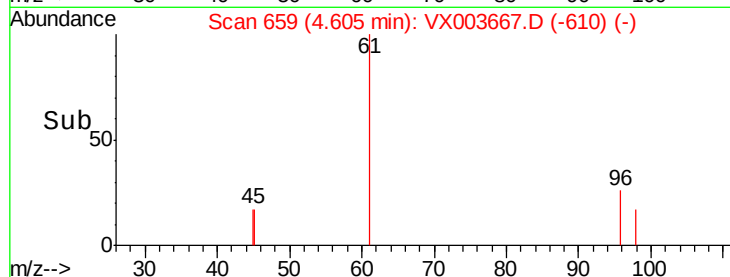
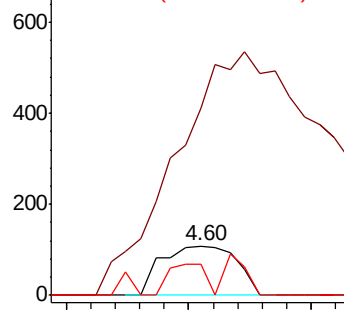
cis-1,2-Dichloroethene
Concen: 0.208 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX003667.D
Acq: 25 Jul 2018 19:30

Instrument :
MSVOA_X
ClientSampleId :
RE109D1-071618

Tgt Ion: 96 Resp: 232
Ion Ratio Lower Upper
96 100
61 0.0 0.0 313.6
98 31.0 0.0 125.6



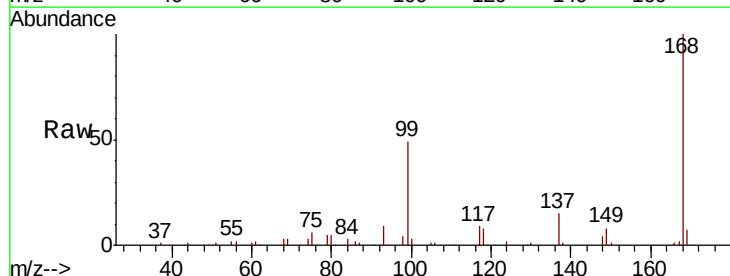
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



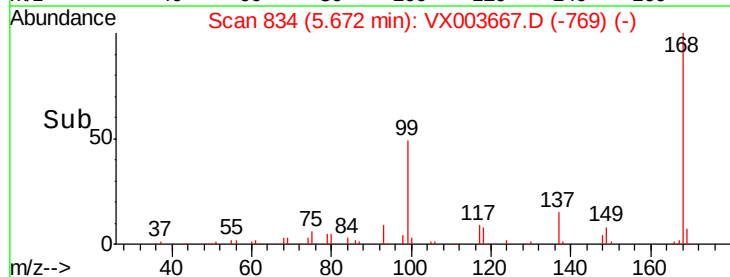
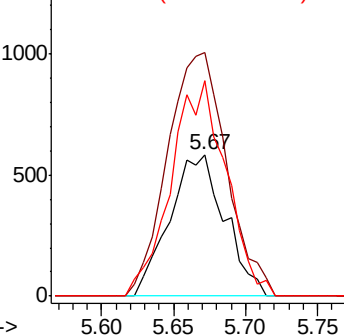
#31

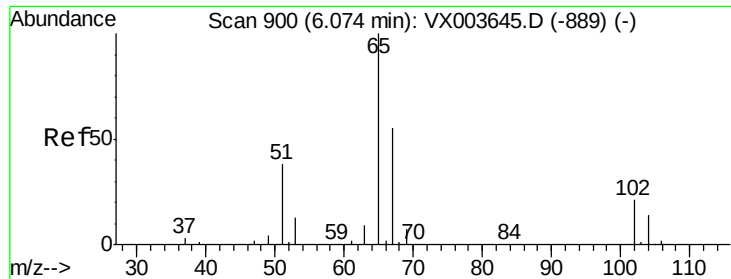
Cyclohexane
Concen: 0.952 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX003667.D
Acq: 25 Jul 2018 19:30

Tgt Ion: 56 Resp: 1562
Ion Ratio Lower Upper
56 100
69 172.0 25.0 37.6#
84 152.1 66.5 99.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

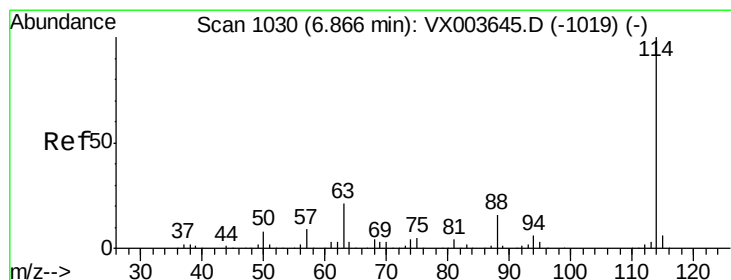
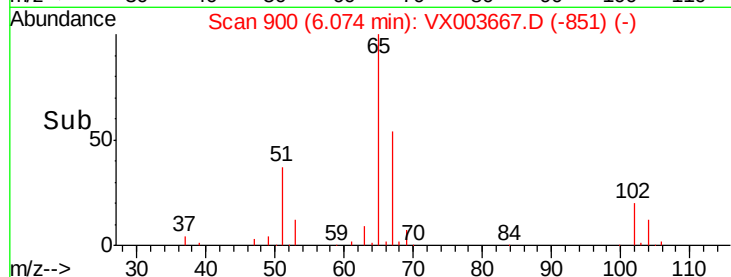
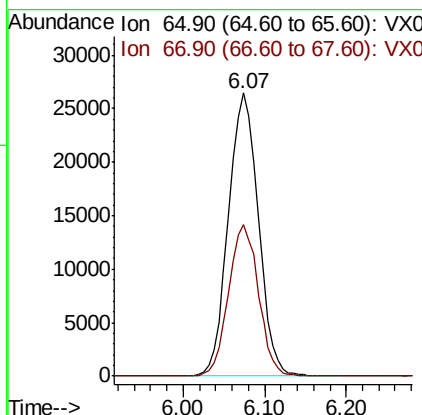
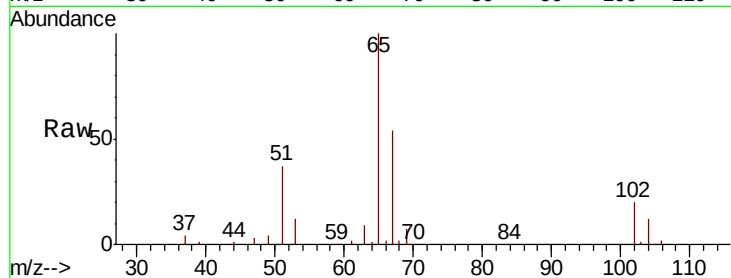




#33
 1,2-Dichloroethane-d4
 Concen: 55.062 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003667.D
 Acq: 25 Jul 2018 19:30

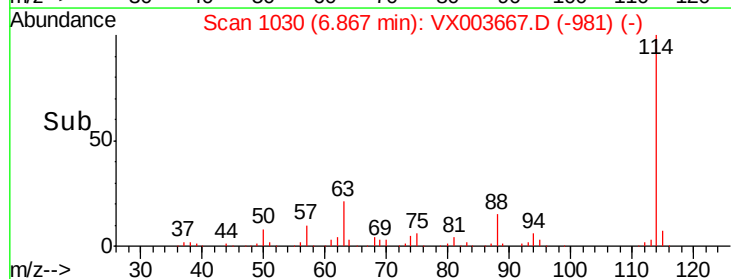
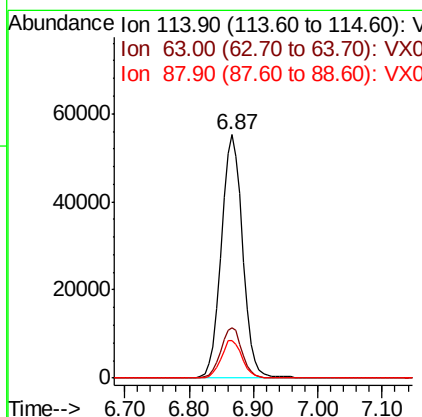
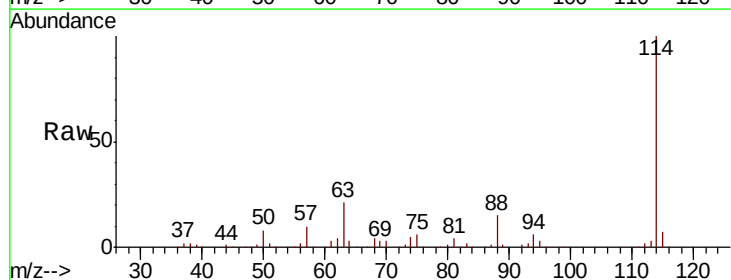
Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D1-071618

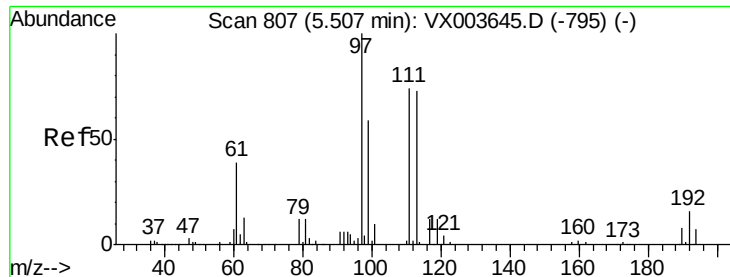
Tgt Ion: 65 Resp: 67221
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003667.D
 Acq: 25 Jul 2018 19:30

Tgt Ion: 114 Resp: 129446
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.0
 88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.505 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-071618

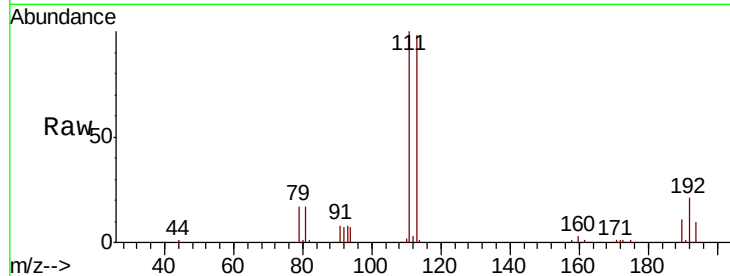
Tgt Ion:113 Resp: 53444

Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

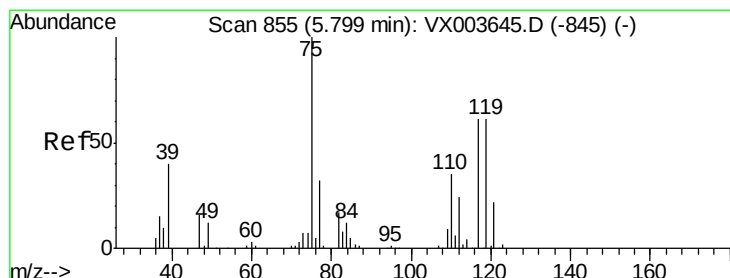
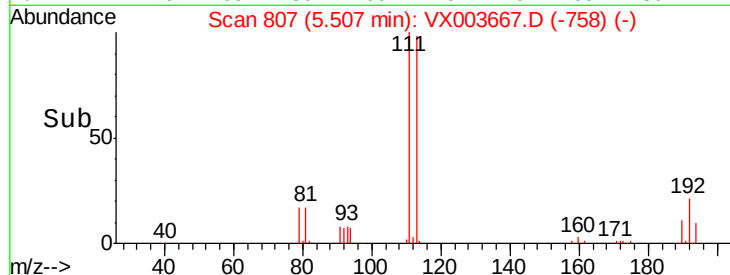
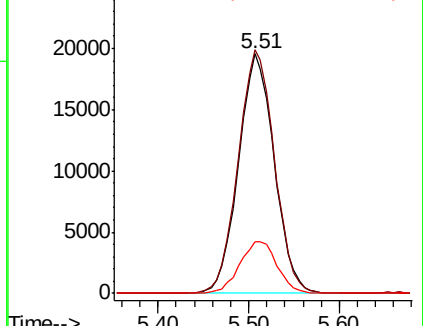
192 22.5 18.2 27.4



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: 3.891 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

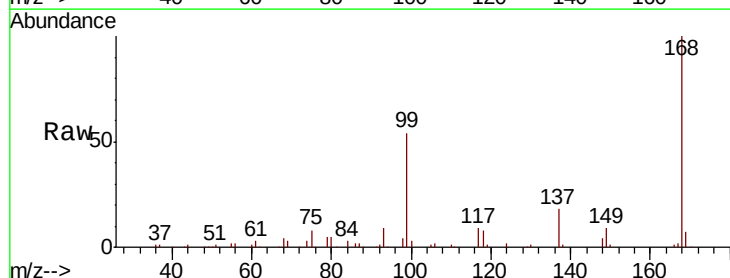
Tgt Ion: 75 Resp: 5888

Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.1#

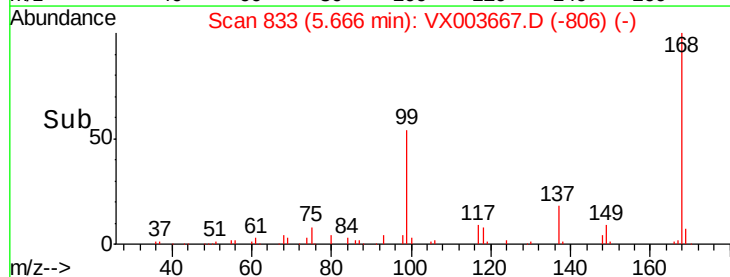
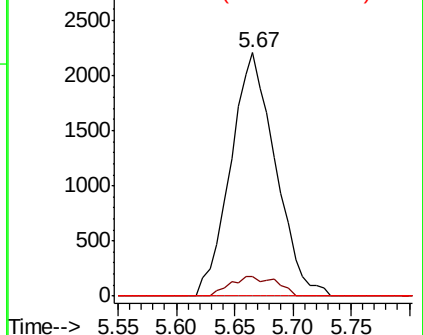
77 0.0 25.1 37.7#

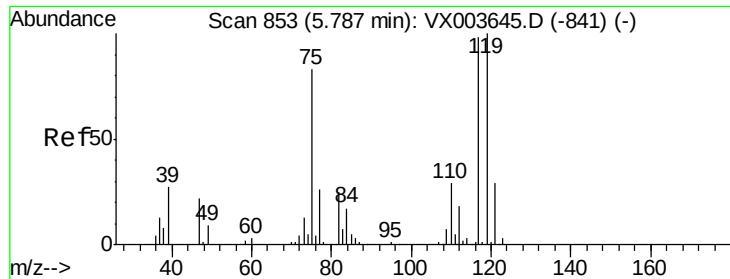


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.194 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-071618

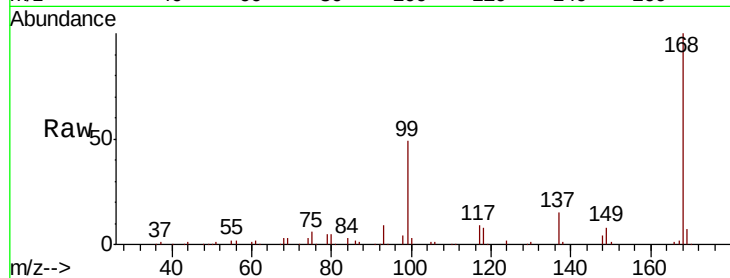
Tgt Ion:117 Resp: 7574

Ion Ratio Lower Upper

117 100

119 4.9 81.0 121.4#

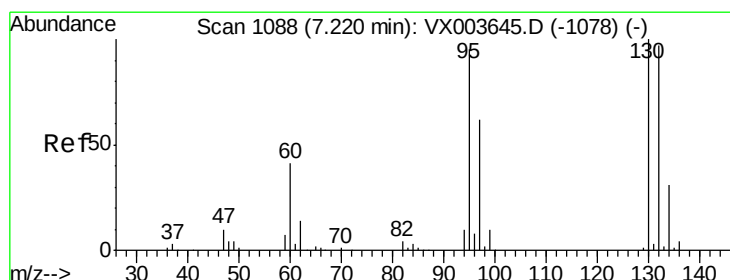
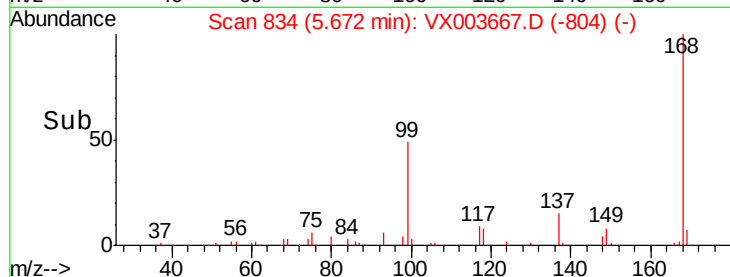
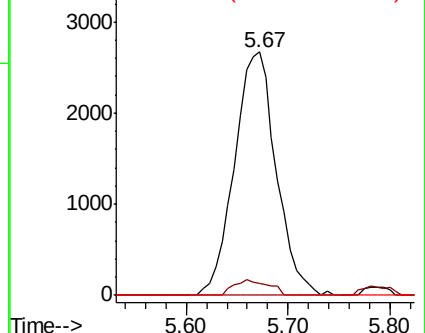
121 0.0 23.7 35.5#



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: 21.297 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX003667.D

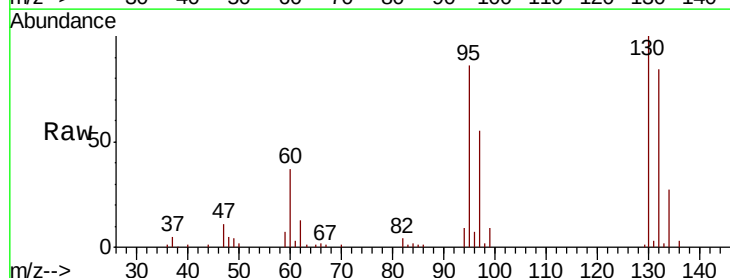
Acq: 25 Jul 2018 19:30

Tgt Ion:130 Resp: 25567

Ion Ratio Lower Upper

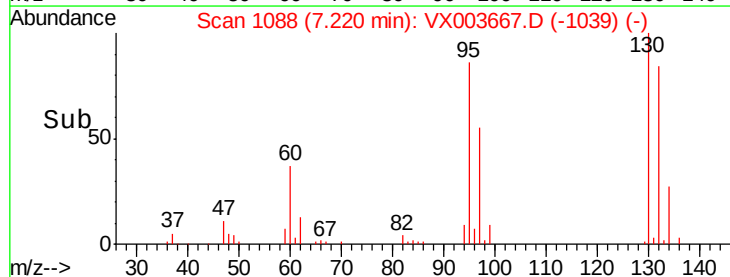
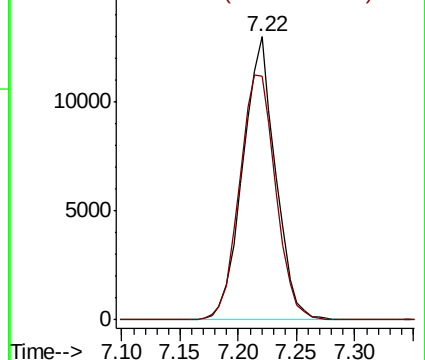
130 100

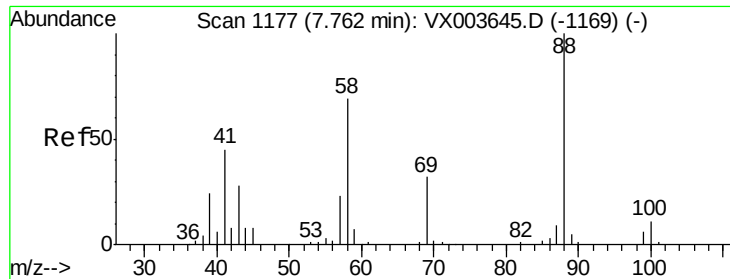
95 86.1 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

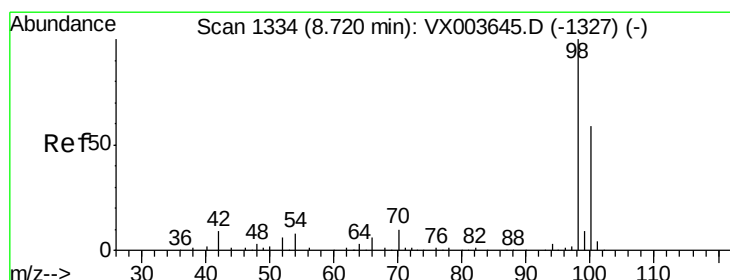
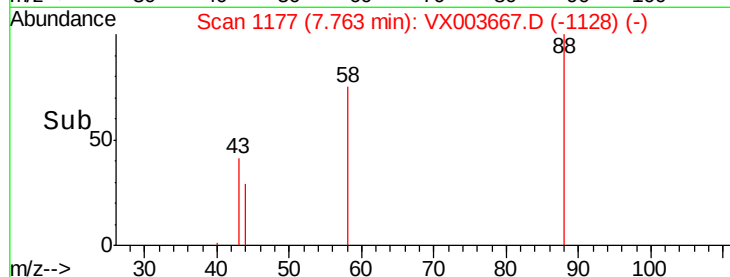
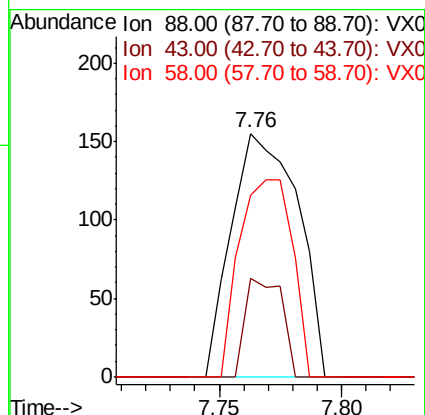
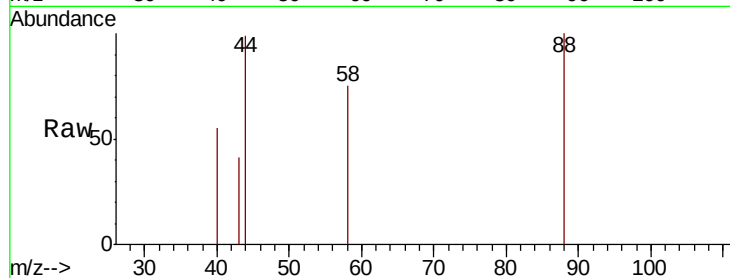




#49
1,4-Dioxane
Concen: 9.817 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003667.D
Acq: 25 Jul 2018 19:30

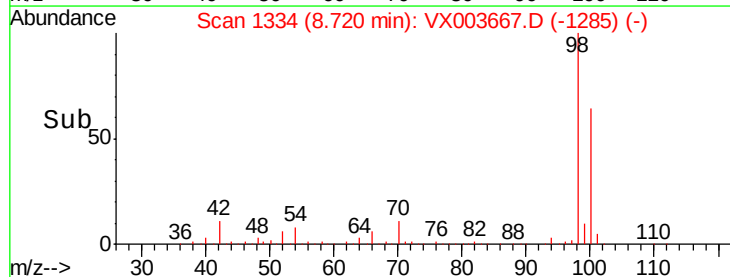
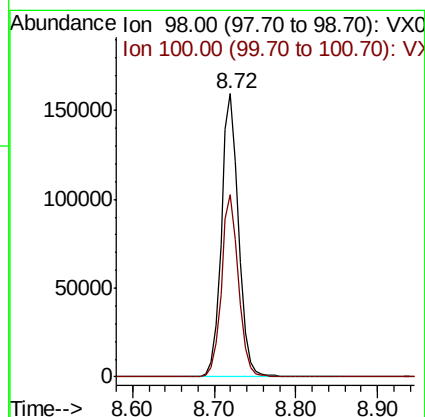
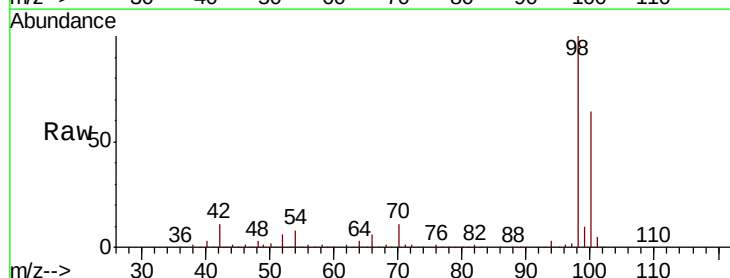
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-071618

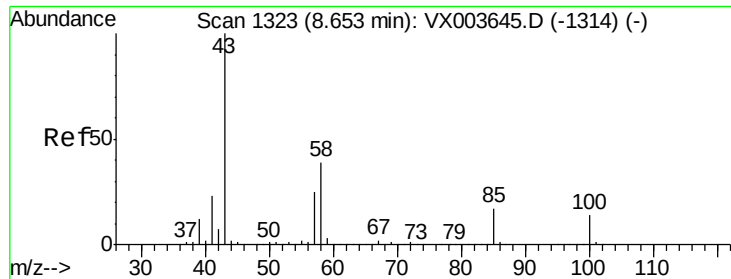
Tgt Ion: 88 Resp: 295
Ion Ratio Lower Upper
88 100
43 22.0 25.8 38.6#
58 64.4 58.3 87.5



#50
Toluene-d8
Concen: 58.261 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003667.D
Acq: 25 Jul 2018 19:30

Tgt Ion: 98 Resp: 235287
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.594 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. 0.06 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

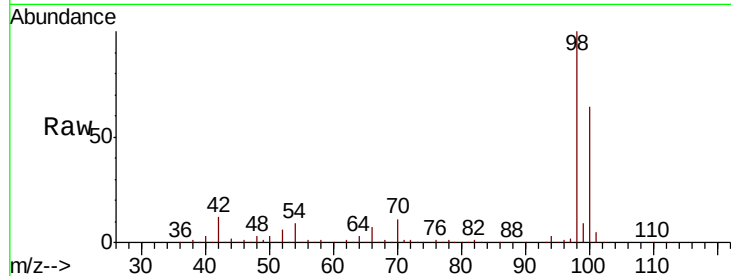
RE109D1-071618

Tgt Ion: 43 Resp: 1063

Ion Ratio Lower Upper

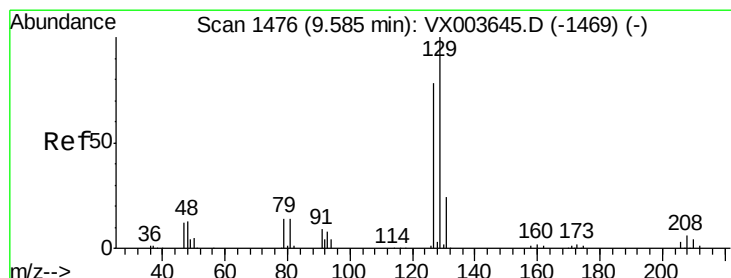
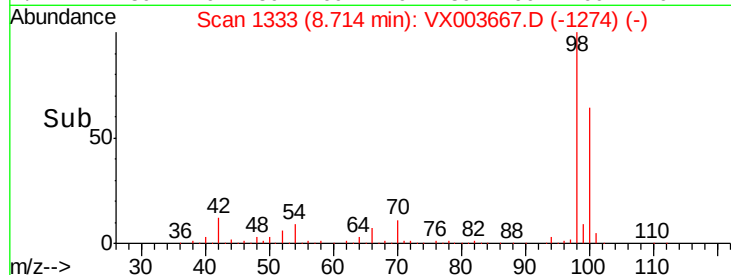
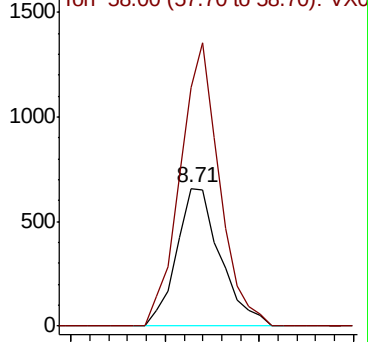
43 100

58 183.9 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 0.301 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX003667.D

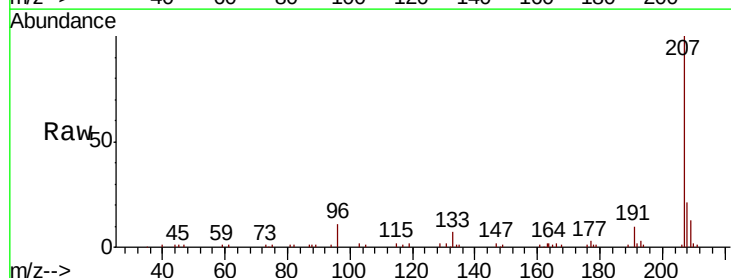
Acq: 25 Jul 2018 19:30

Tgt Ion: 129 Resp: 325

Ion Ratio Lower Upper

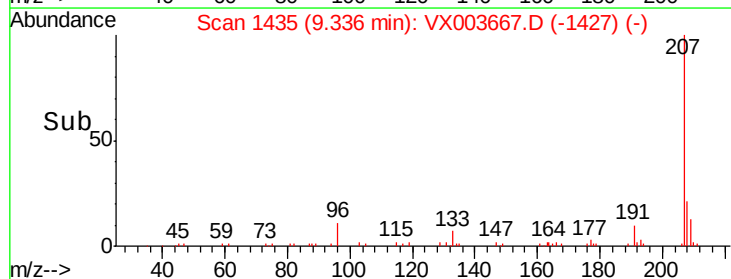
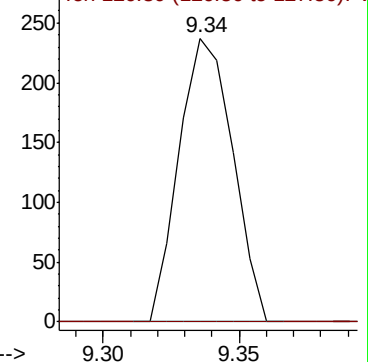
129 100

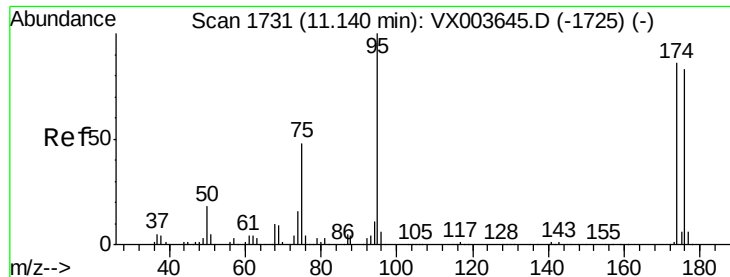
127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 59.197 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-071618

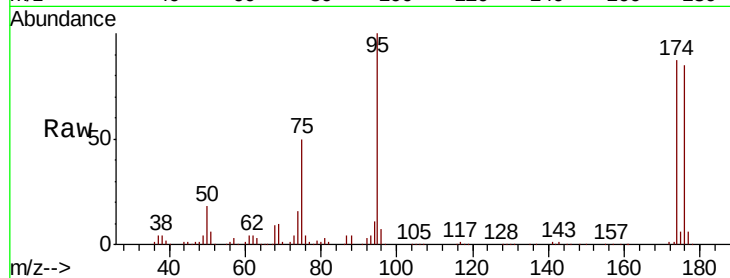
Tgt Ion: 95 Resp: 87196

Ion Ratio Lower Upper

95 100

174 89.6 0.0 179.0

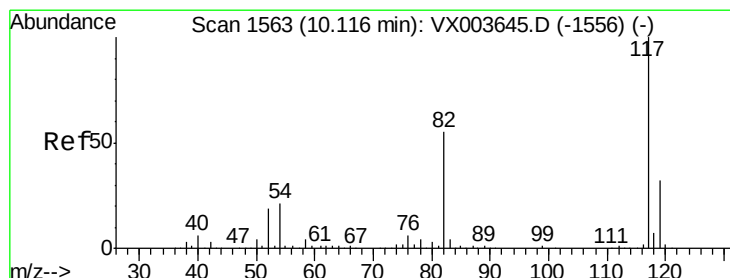
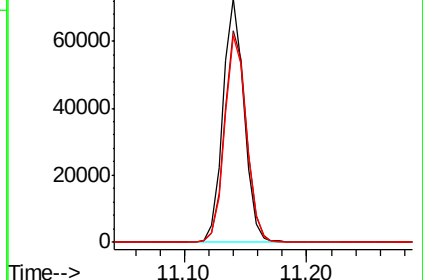
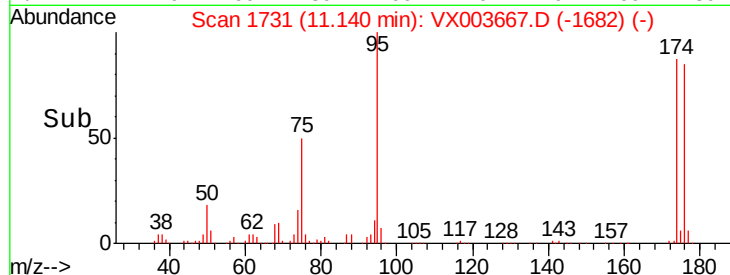
176 86.9 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX003667.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003667.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003667.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

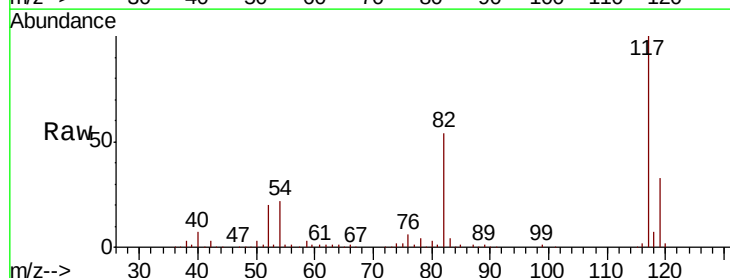
Tgt Ion: 117 Resp: 123179

Ion Ratio Lower Upper

117 100

82 54.1 44.3 66.5

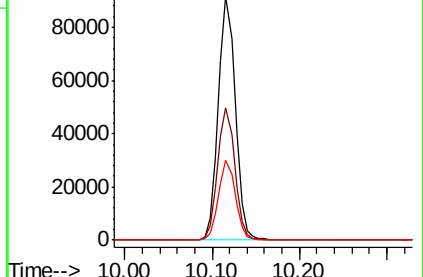
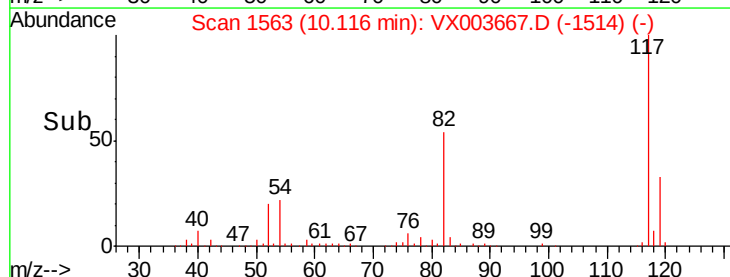
119 32.6 25.6 38.4

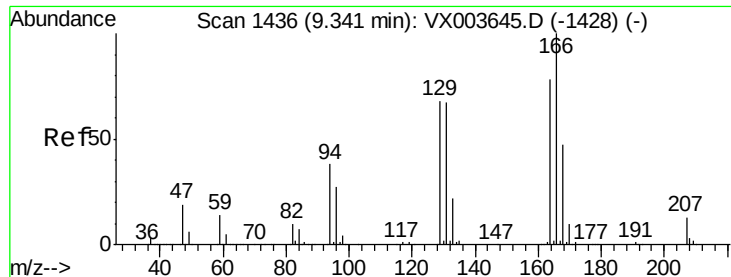


Abundance Ion 116.90 (116.60 to 117.60): VX003667.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003667.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003667.D (-1514) (-)





#64

Tetrachloroethene

Concen: 0.374 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-071618

Tgt Ion:164 Resp: 421

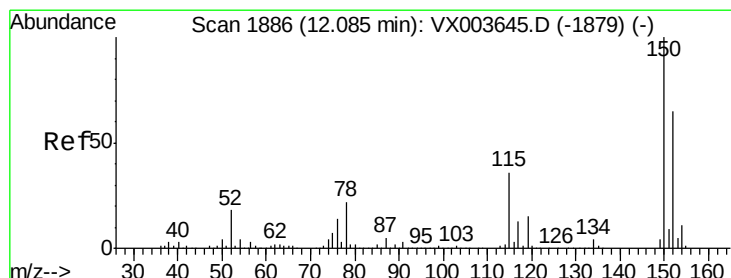
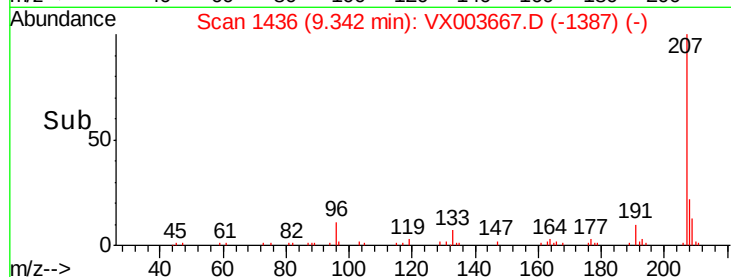
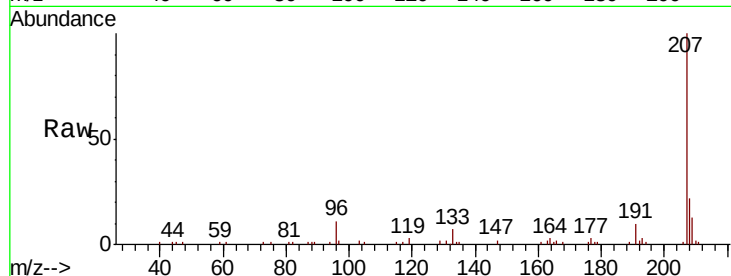
Ion Ratio Lower Upper

164 100

166 96.8 102.4 153.6#

129 69.3 69.6 104.4#

131 68.0 69.0 103.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

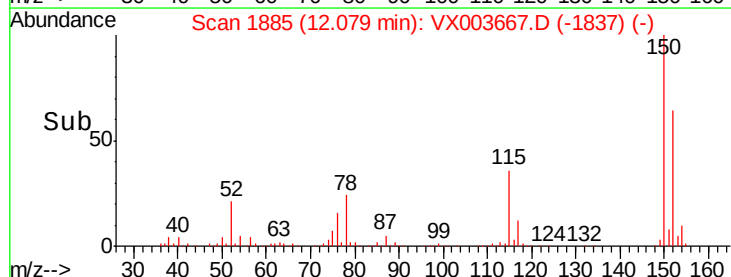
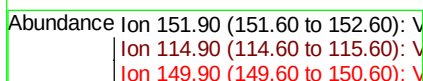
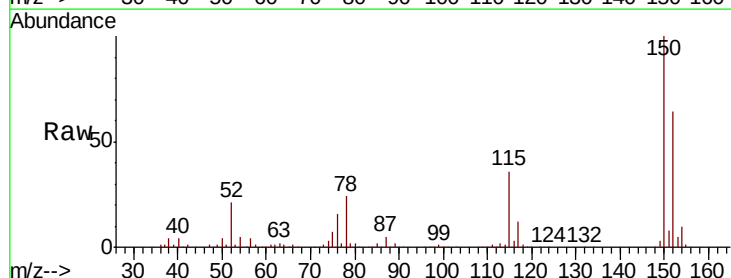
Tgt Ion:152 Resp: 78824

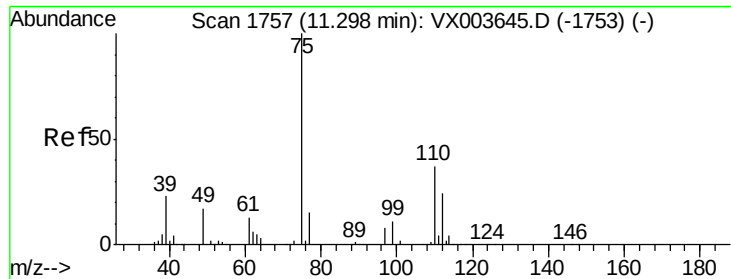
Ion Ratio Lower Upper

152 100

115 55.8 40.0 119.9

150 156.9 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 25.753 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

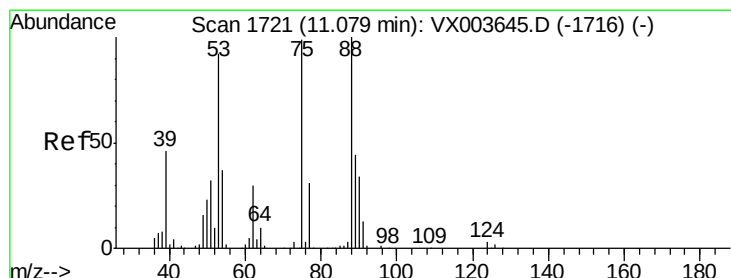
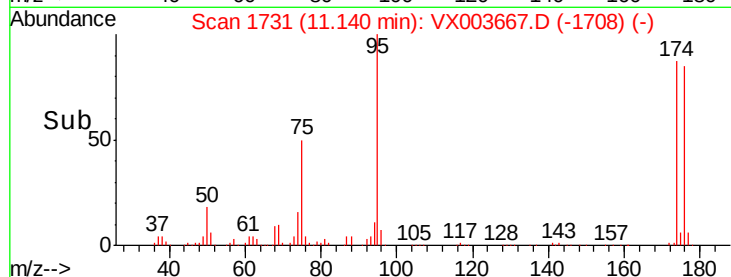
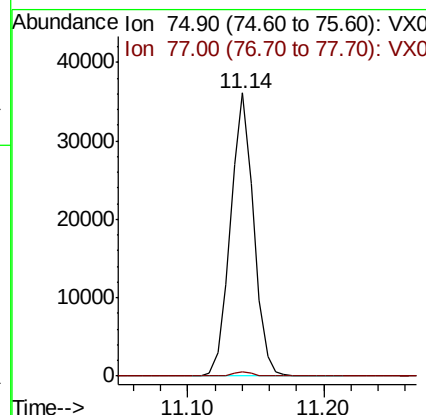
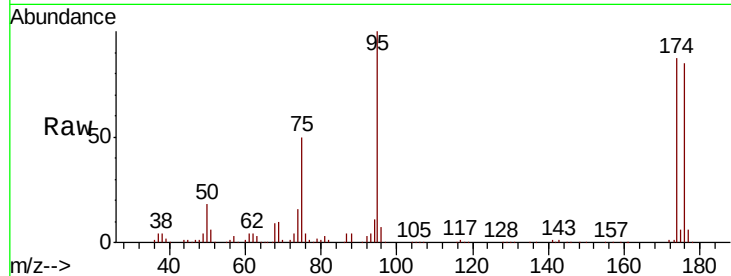
RE109D1-071618

Tgt Ion: 75 Resp: 42578

Ion Ratio Lower Upper

75 100

77 1.4 21.6 64.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.790 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003667.D

Acq: 25 Jul 2018 19:30

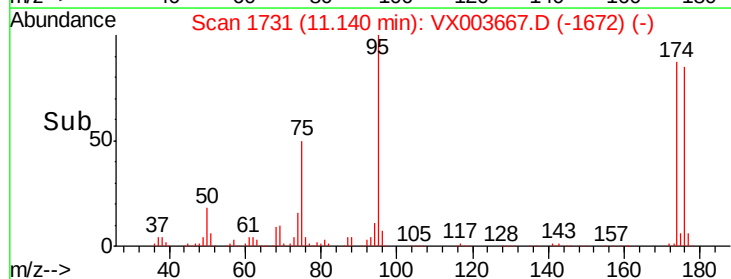
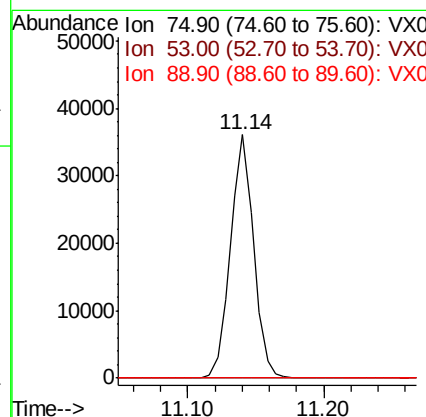
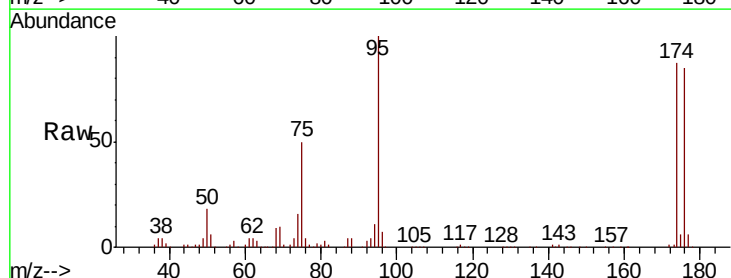
Tgt Ion: 75 Resp: 42578

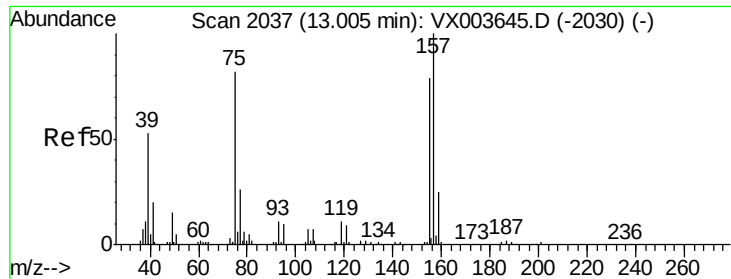
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 36.6 54.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.229 ug/l

RT: 12.82 min Scan# 2007

Delta R.T. -0.18 min

Lab File: VX003667.D

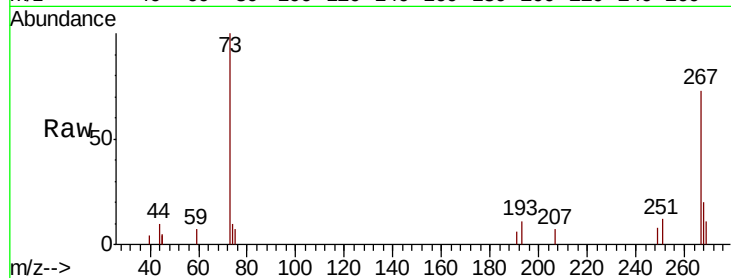
Acq: 25 Jul 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-071618



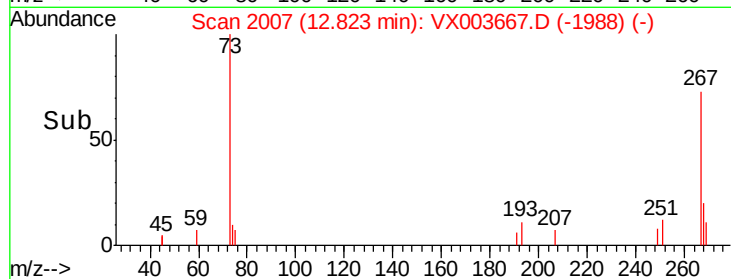
Tgt Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 0.0 59.7 179.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

