

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX002999.D
 Acq On : 28 Jun 2018 21:26
 Operator : JC/MD
 Sample : J3711-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ZER-GW-SB-03

Quant Time: Jun 29 06:13:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	391457	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	208795	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	184265	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
35) Dibromofluoromethane	5.51	113	147740	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	8.72	98	547191	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.14	95	197872	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	

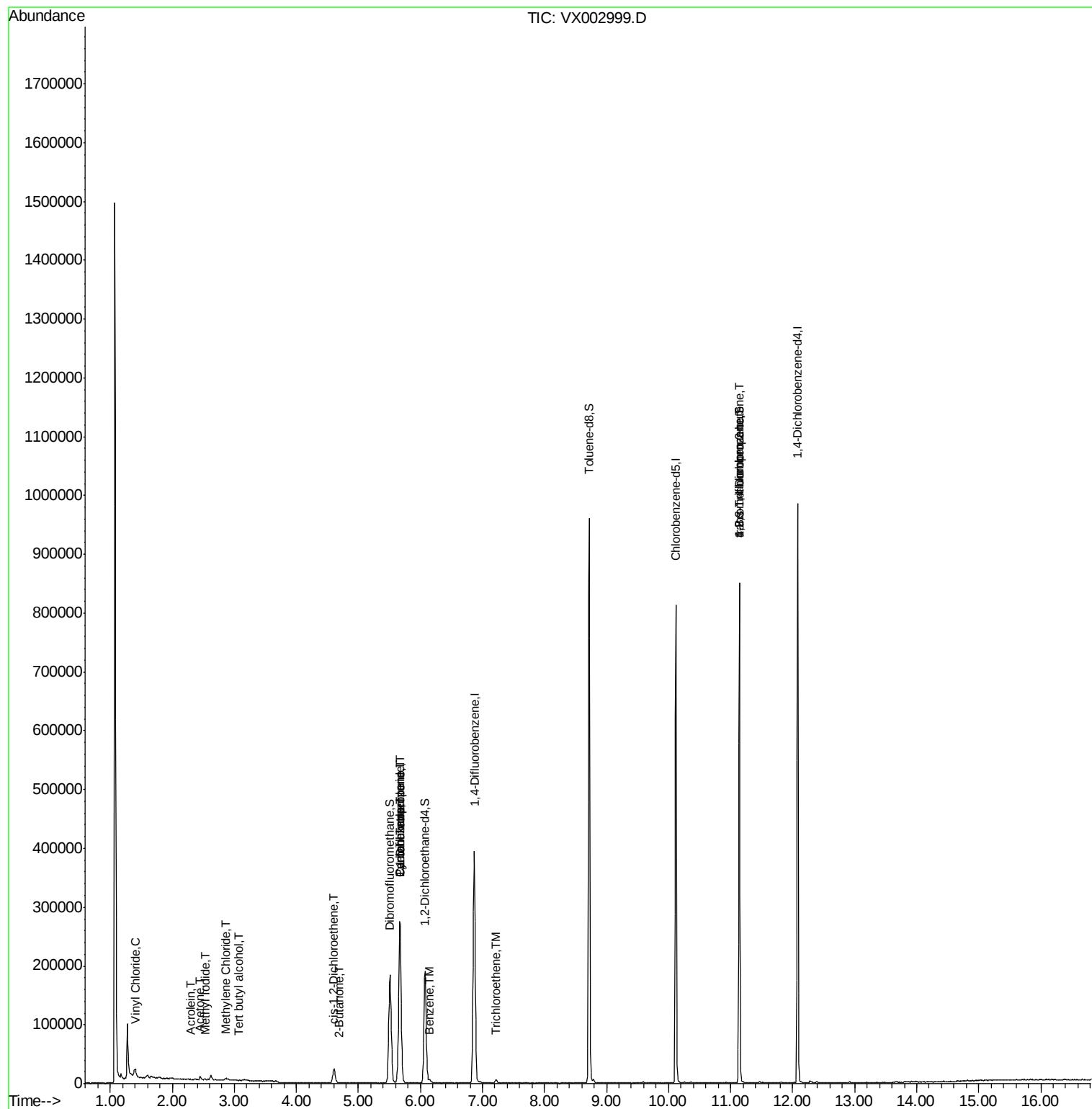
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1427	Below Cal	#	60
4) Vinyl Chloride	1.40	62	2970	0.95 ug/l	#	1
5) Bromomethane	1.65	94	1953	Below Cal		91
6) Chloroethane	1.74	64	257	Below Cal	#	43
10) Methyl Iodide	2.53	142	1491	6.65 ug/l		94
11) Tert butyl alcohol	3.07	59	363	0.47 ug/l	#	29
13) Acrolein	2.29	56	256	4.82 ug/l	#	14
16) Acetone	2.45	43	5536	3.48 ug/l	#	75
20) Methylene Chloride	2.85	84	1230	0.40 ug/l	#	89
25) 2-Butanone	4.70	43	561	0.24 ug/l	#	87
27) cis-1,2-Dichloroethene	4.60	96	13798	4.13 ug/l		91
31) Cyclohexane	5.67	56	5529	1.15 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	18938	4.41 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	24950	5.30 ug/l	#	15
40) Benzene	6.15	78	5409	0.43 ug/l		96
44) Trichloroethene	7.21	130	2215	0.60 ug/l		89
76) 1,2,3-Trichloropropane	11.14	75	102377	27.07 ug/l	#	33
81) trans-1,4-Dichloro-2-buten	11.14	75	102377	76.62 ug/l	#	7

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

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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: VX002999.D

Acq: 28 Jun 2018 21:26

Instrument :

MSVOA_X

ClientSampleId :

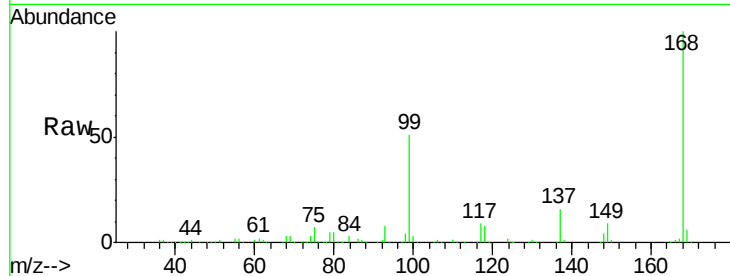
ZER-GW-SB-03

Tot Ion:168 Resp: 277612

Ion Ratio Lower Upper

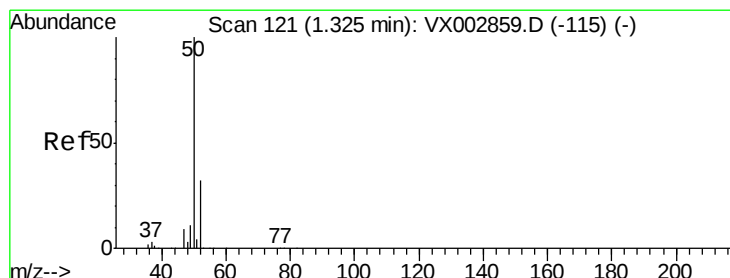
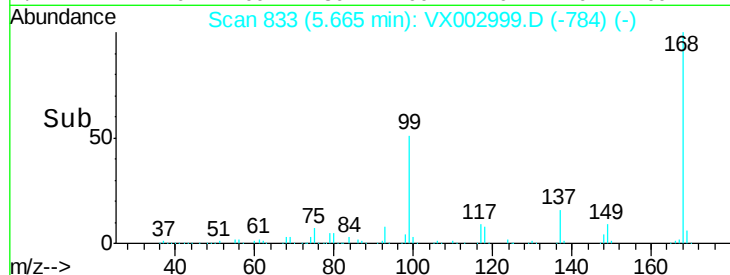
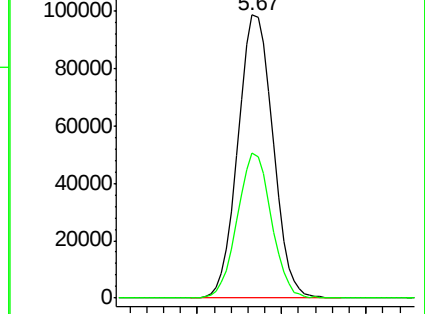
168 100

99 51.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002999.D

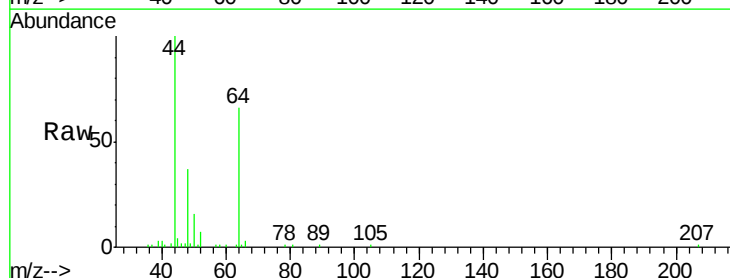
Acq: 28 Jun 2018 21:26

Tgt Ion: 50 Resp: 1427

Ion Ratio Lower Upper

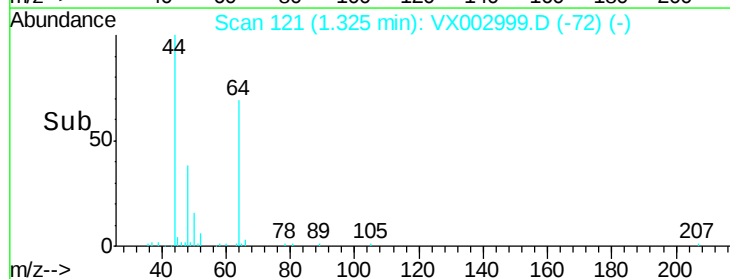
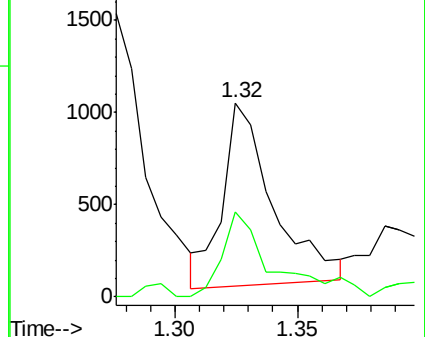
50 100

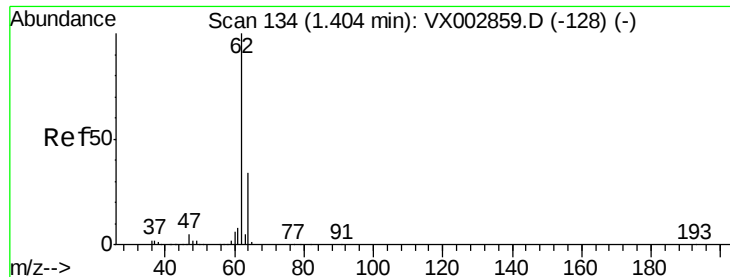
52 54.2 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.95 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

Instrument :

MSVOA_X

ClientSampleId :

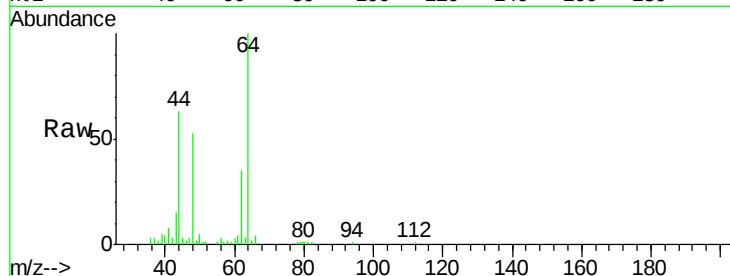
ZER-GW-SB-03

Tot Ion: 62 Resp: 2970

Ion Ratio Lower Upper

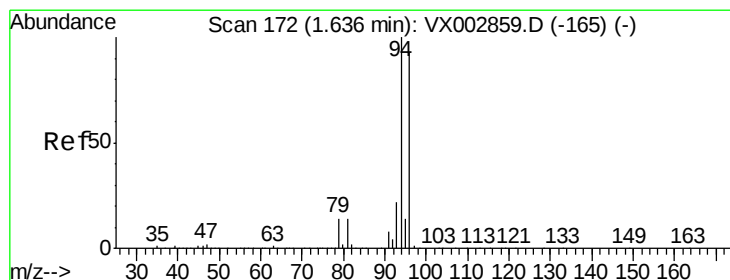
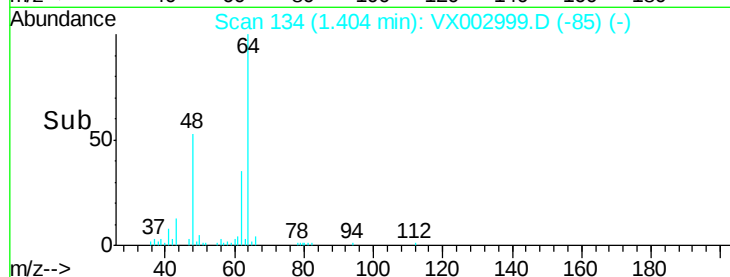
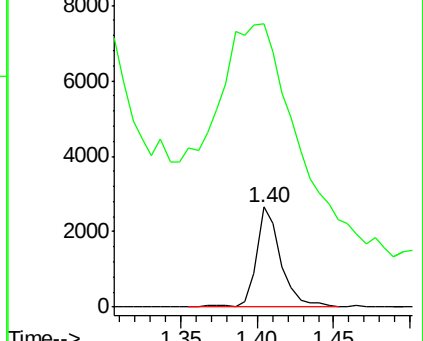
62 100

64 195.2 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002999.D

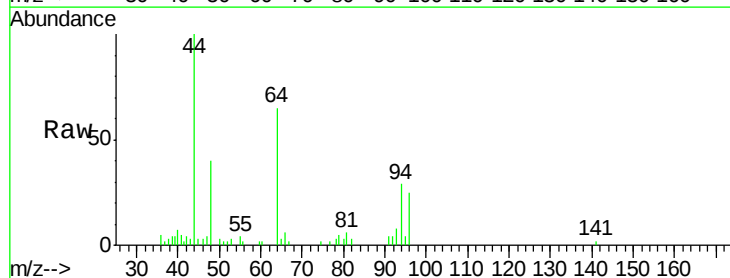
Acq: 28 Jun 2018 21:26

Tgt Ion: 94 Resp: 1953

Ion Ratio Lower Upper

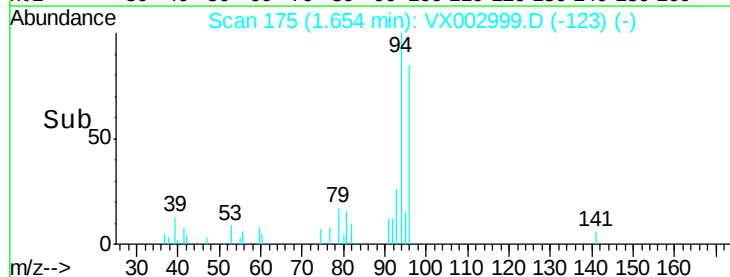
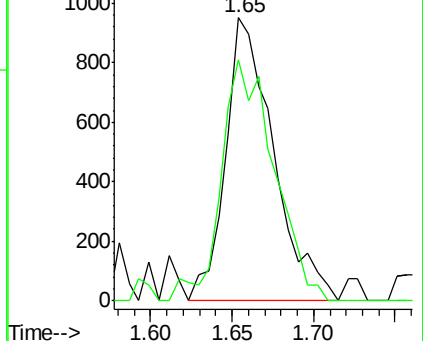
94 100

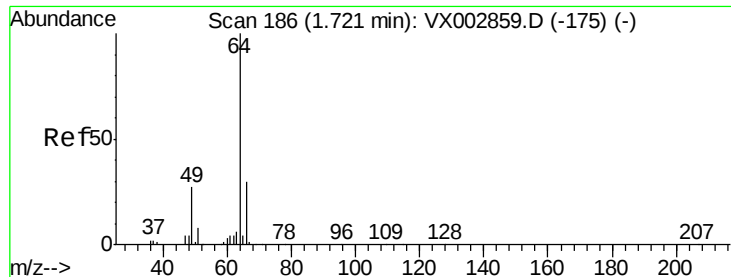
96 85.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

Instrument :

MSVOA_X

ClientSampleId :

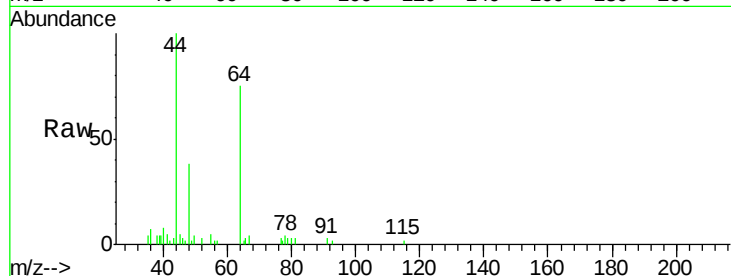
ZER-GW-SB-03

Tot Ion: 64 Resp: 257

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

3000

2500

2000

1500

1000

500

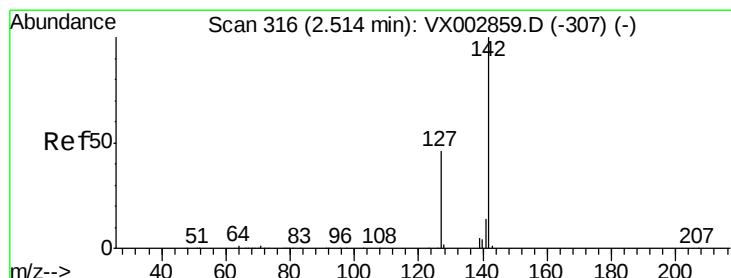
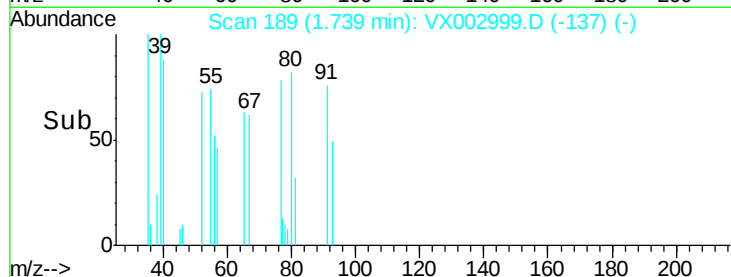
0

1.72

1.74

1.76

Time-->



#10

Methyl Iodide

Concen: 6.65 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

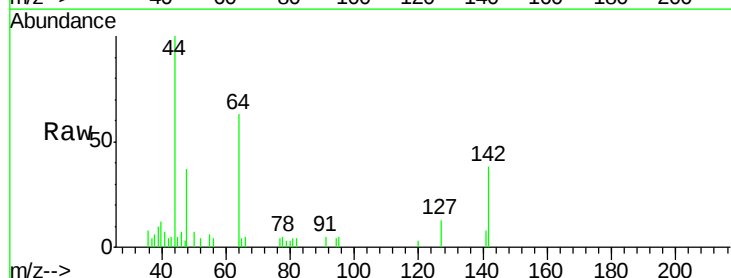
Tgt Ion:142 Resp: 1491

Ion Ratio Lower Upper

142 100

127 41.4 36.6 55.0

141 15.7 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

800

600

400

200

0

2.45

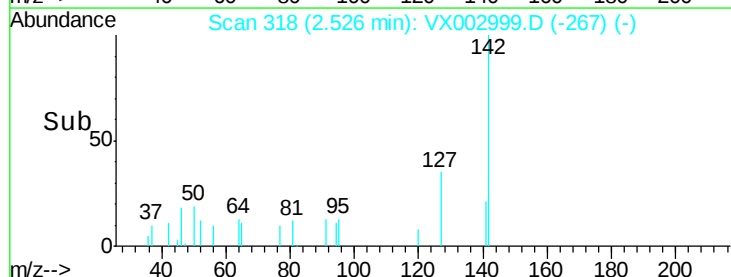
2.50

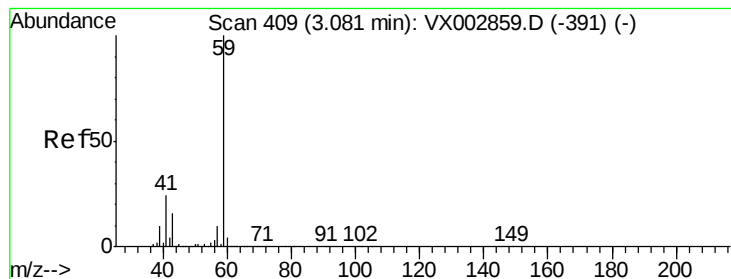
2.53

2.55

2.60

Time-->



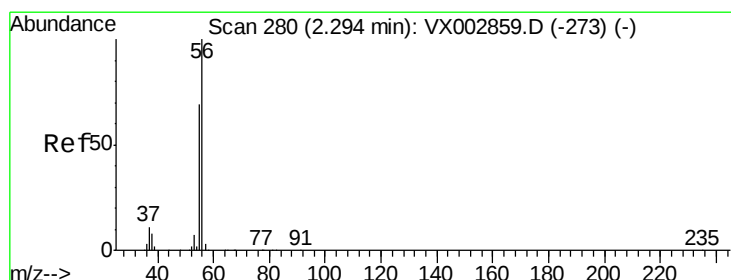
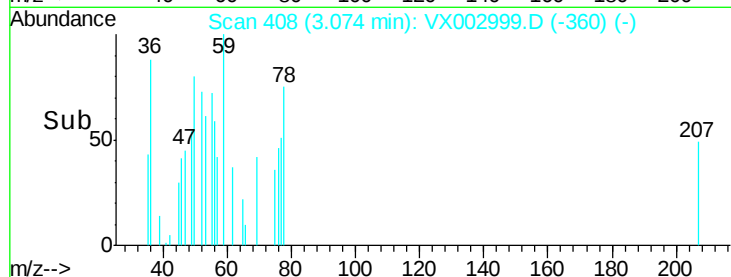
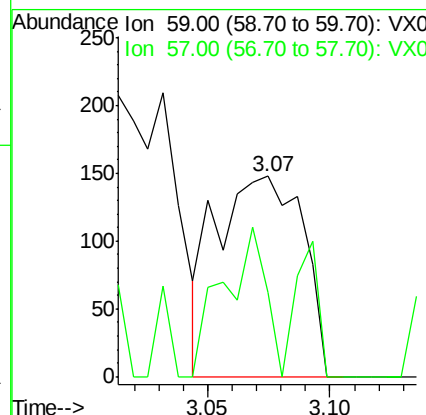
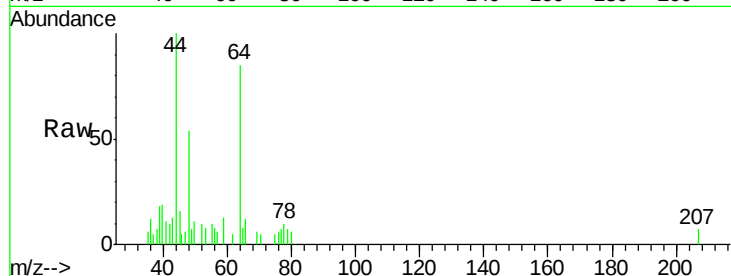


#11

Tert butyl alcohol
Concen: 0.47 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002999.D
Acq: 28 Jun 2018 21:26

Instrument :
MSVOA_X
ClientSampleId :
ZER-GW-SB-03

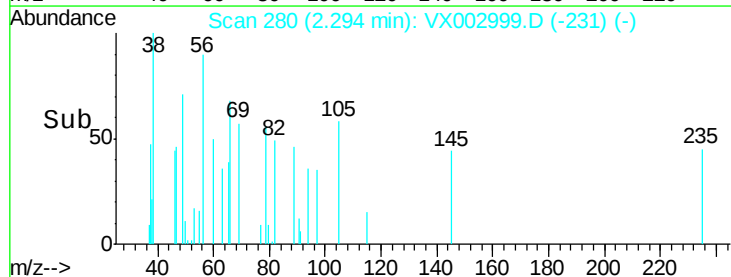
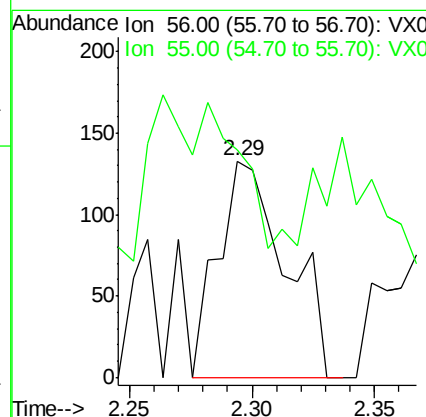
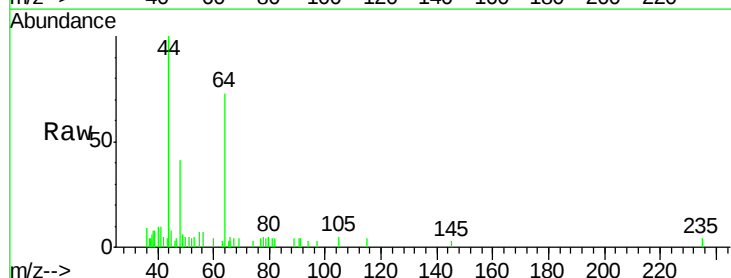
Tot Ion: 59 Resp: 363
Ion Ratio Lower Upper
59 100
57 36.6 8.2 12.2#

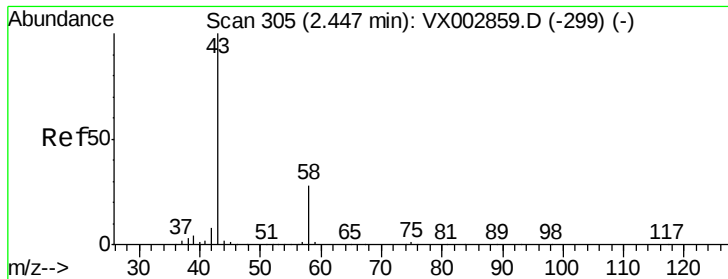


#13

Acrolein
Concen: 4.82 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX002999.D
Acq: 28 Jun 2018 21:26

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 3.48 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

Instrument :

MSVOA_X

ClientSampleId :

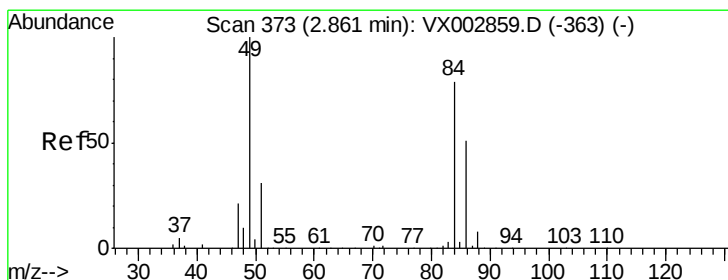
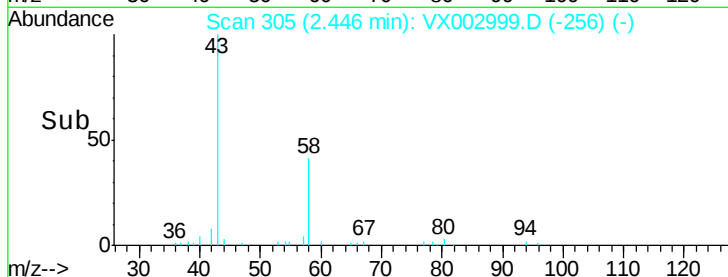
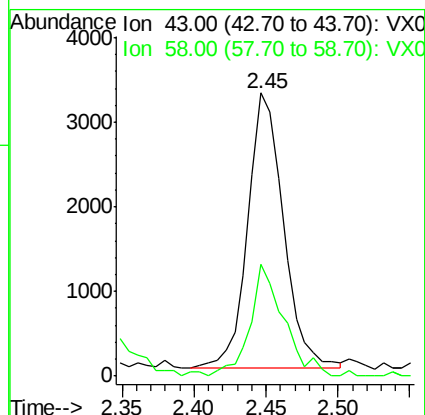
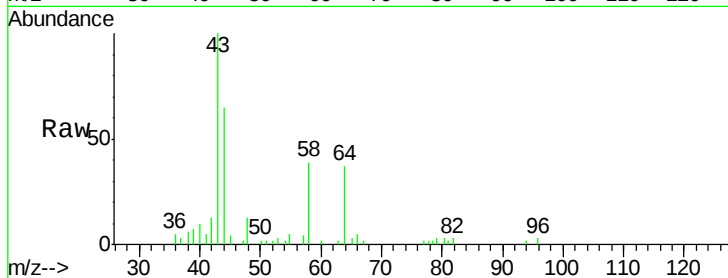
ZER-GW-SB-03

Tot Ion: 43 Resp: 5536

Ion Ratio Lower Upper

43 100

58 40.6 22.1 33.1#



#20

Methylene Chloride

Concen: 0.40 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

Tgt Ion: 84 Resp: 1230

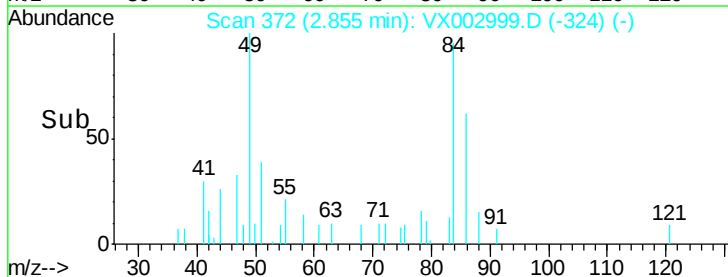
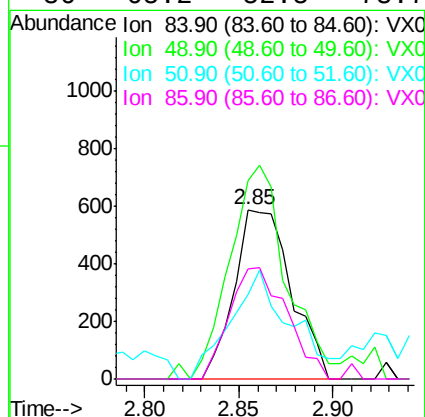
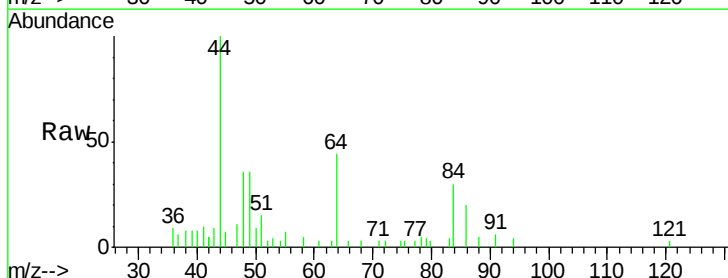
Ion Ratio Lower Upper

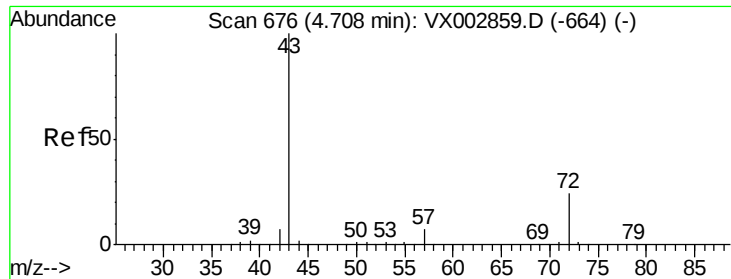
84 100

49 117.0 107.8 161.6

51 49.9 32.8 49.2#

86 65.2 52.5 78.7





#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

Instrument :

MSVOA_X

ClientSampleId :

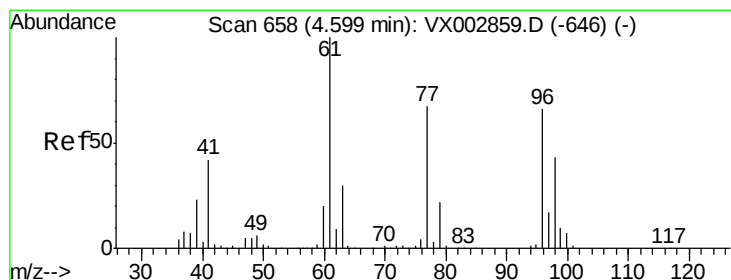
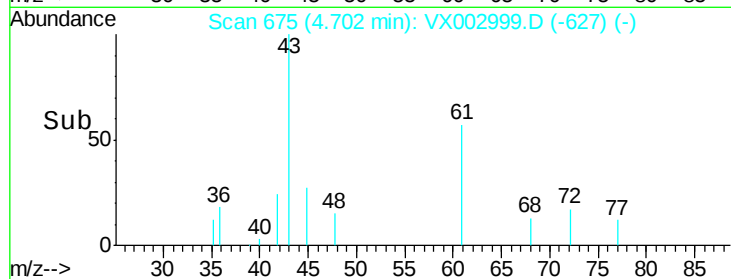
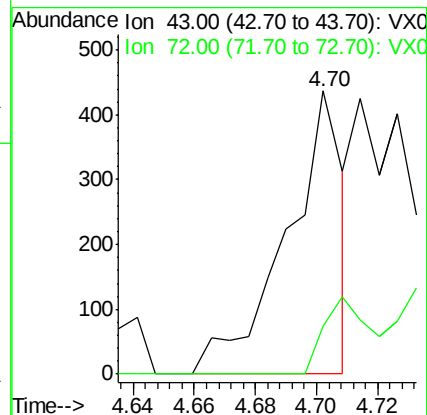
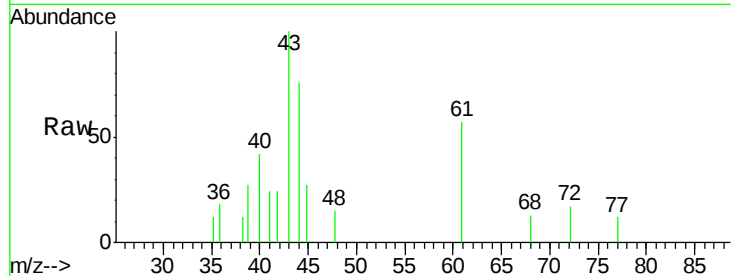
ZER-GW-SB-03

Tot Ion: 43 Resp: 561

Ion Ratio Lower Upper

43 100

72 16.9 18.5 27.7#



#27

cis-1,2-Dichloroethene

Concen: 4.13 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

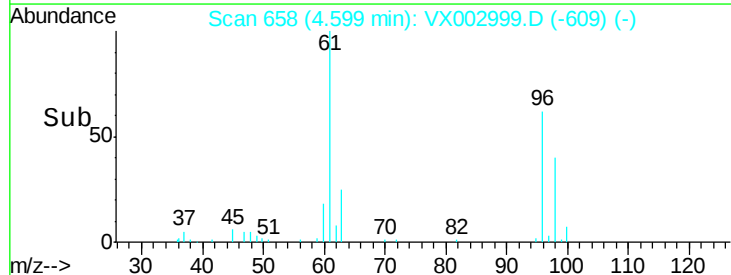
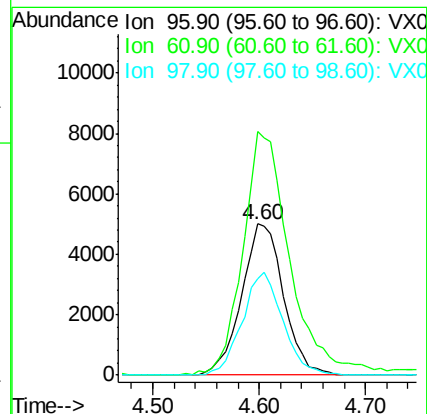
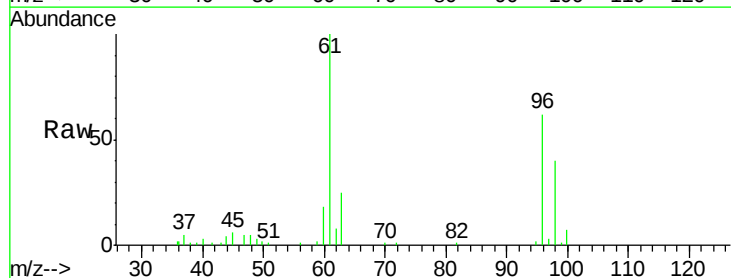
Tgt Ion: 96 Resp: 13798

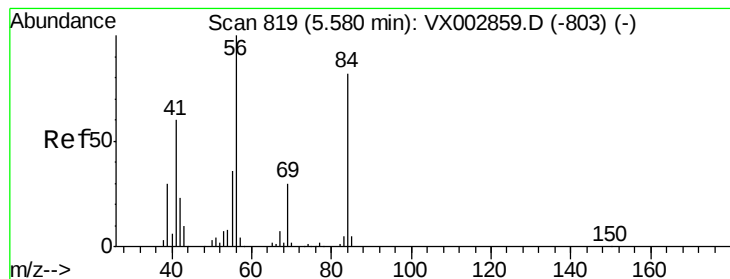
Ion Ratio Lower Upper

96 100

61 181.9 0.0 330.2

98 66.0 0.0 130.2





#31

Cyclohexane

Concen: 1.15 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

Instrument :

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ClientSampleId :

ZER-GW-SB-03

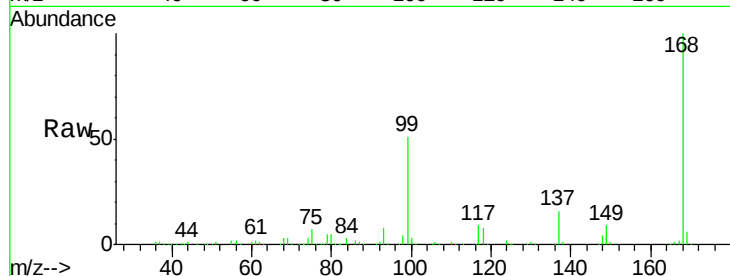
Tot Ion: 56 Resp: 5529

Ion Ratio Lower Upper

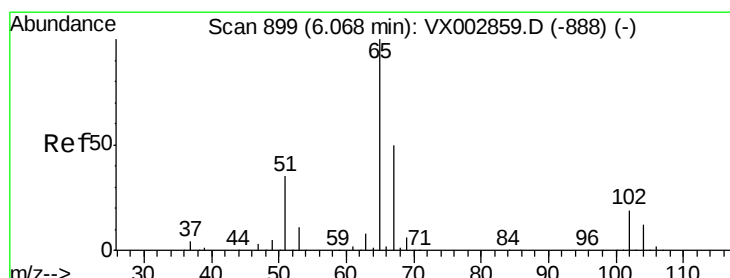
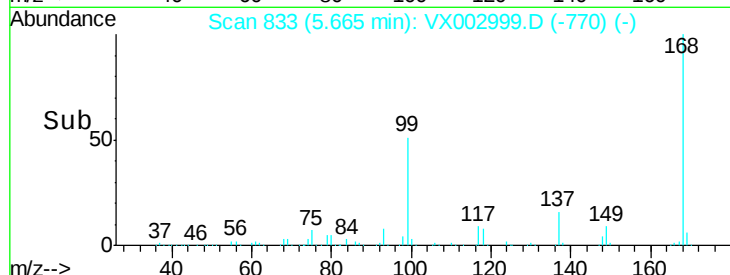
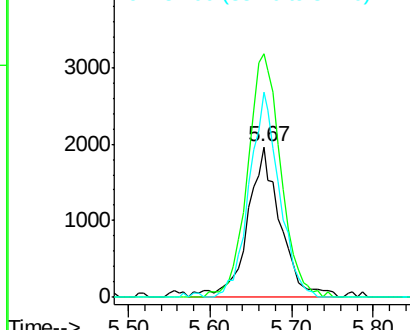
56 100

69 162.0 23.7 35.5#

84 136.9 64.1 96.1#



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: 48.02 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002999.D

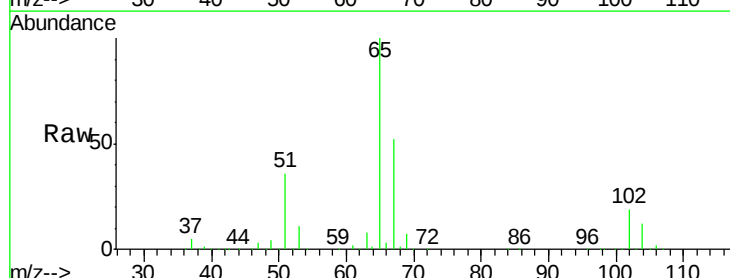
Acq: 28 Jun 2018 21:26

Tgt Ion: 65 Resp: 184265

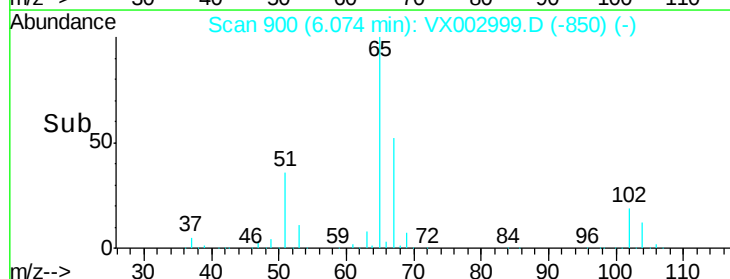
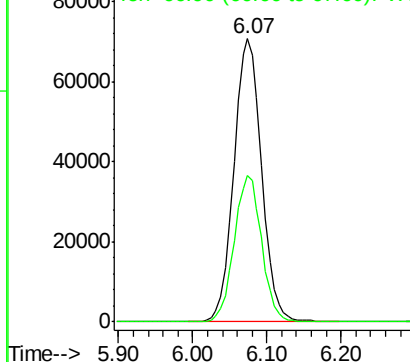
Ion Ratio Lower Upper

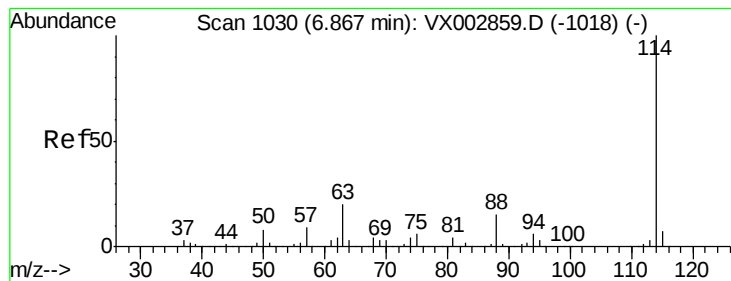
65 100

67 51.3 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: VX002999.D

Acq: 28 Jun 2018 21:26

Instrument :

MSVOA_X

ClientSampleId :

ZER-GW-SB-03

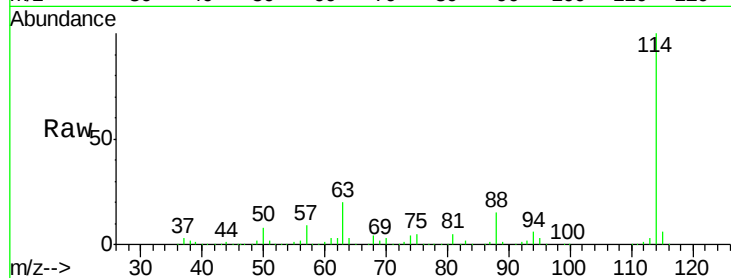
Tot Ion:114 Resp: 391457

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

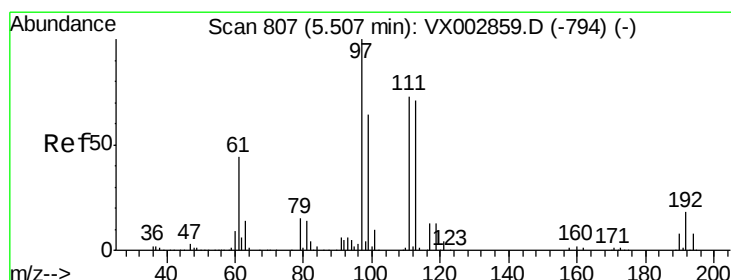
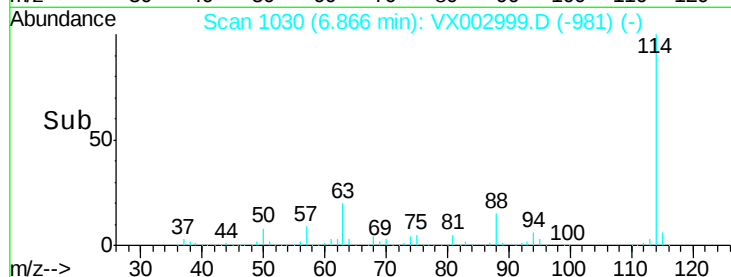
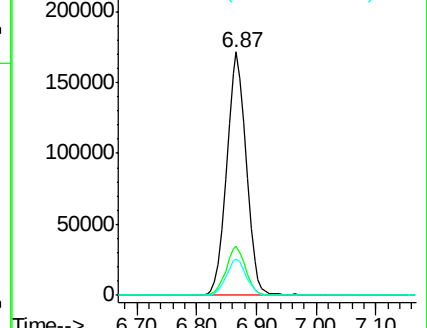
88 14.6 0.0 30.0



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: 47.66 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

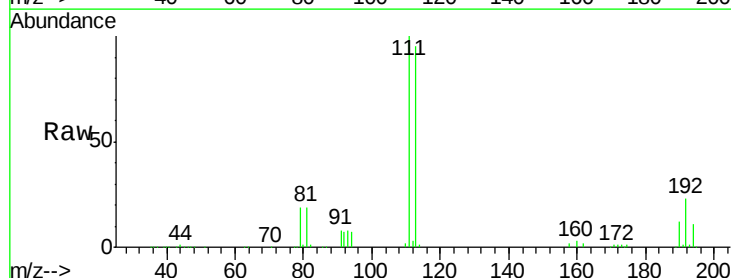
Tgt Ion:113 Resp: 147740

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

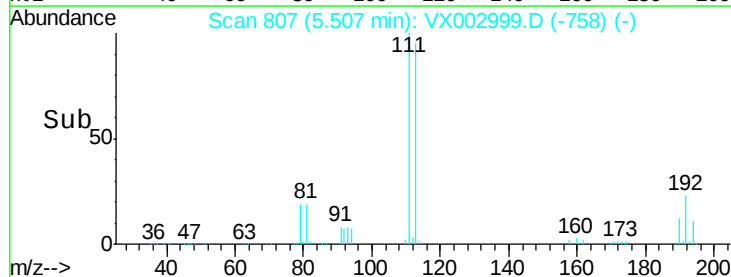
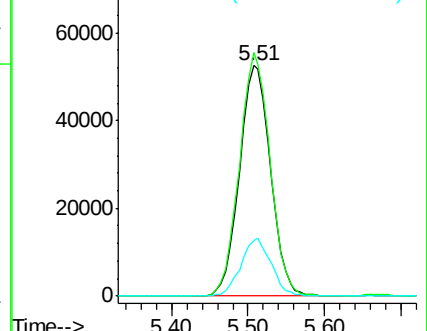
192 24.4 19.1 28.7

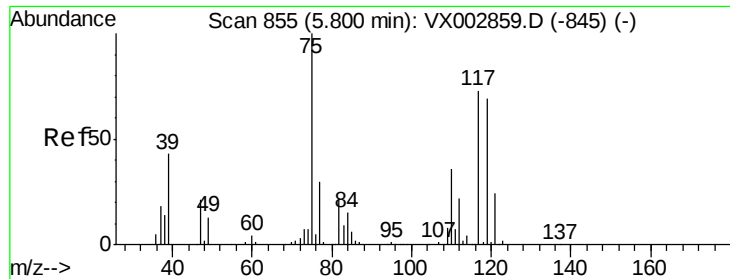


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

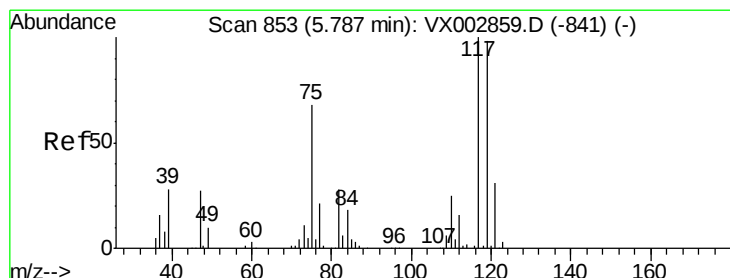
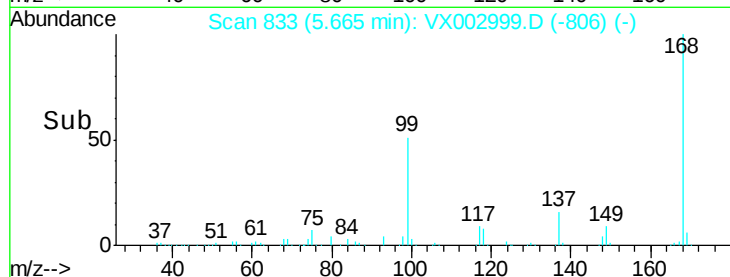
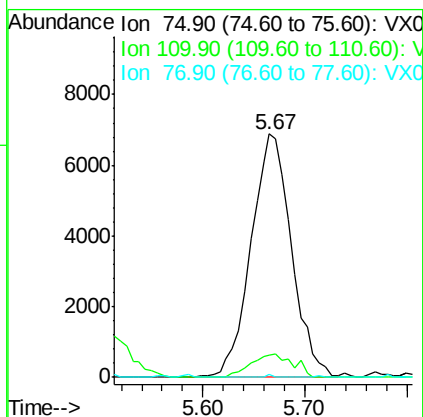
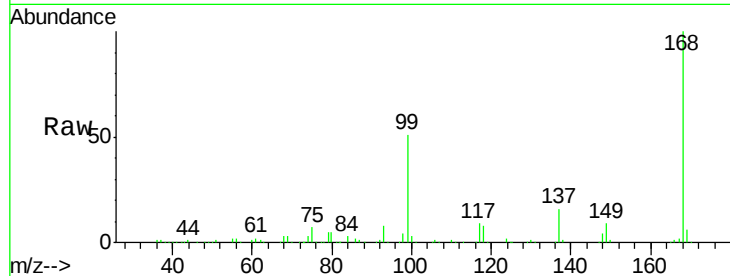




#36
 1,1-Dichloropropene
 Concen: 4.41 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002999.D
 Acq: 28 Jun 2018 21:26

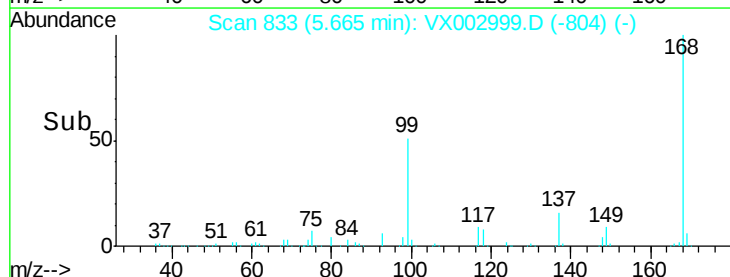
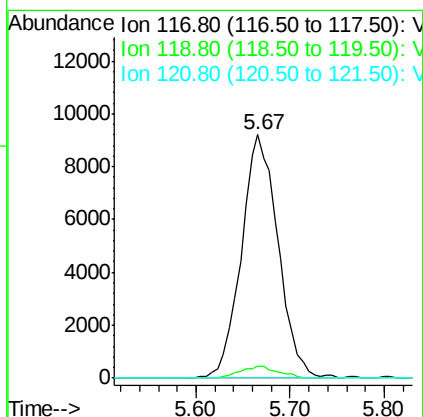
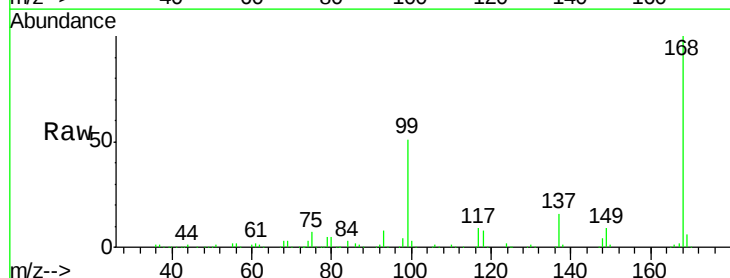
Instrument :
 MSVOA_X
 ClientSampleId :
 ZER-GW-SB-03

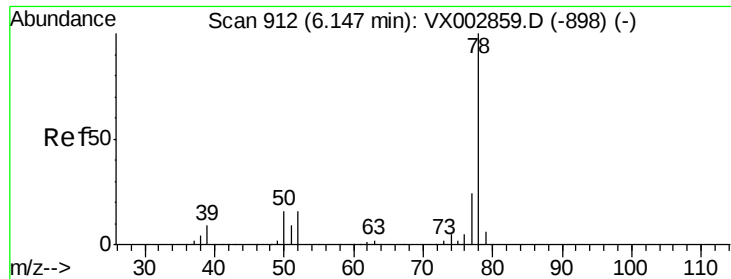
Tot Ion	75	Resp	18938
Ion Ratio	Lower	Upper	
75	100		
110	10.0	18.1	54.4#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.30 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002999.D
 Acq: 28 Jun 2018 21:26

Tgt Ion	117	Resp	24950
Ion Ratio	Lower	Upper	
117	100		
119	4.9	77.4	116.0#
121	0.0	24.4	36.6#

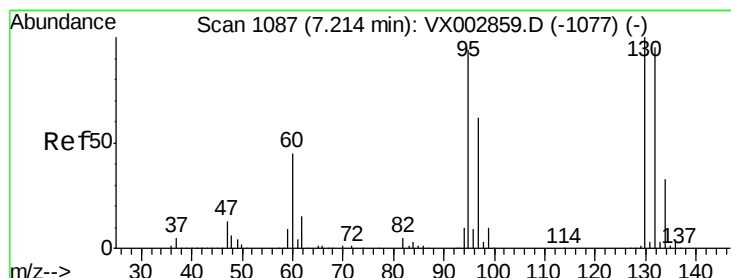
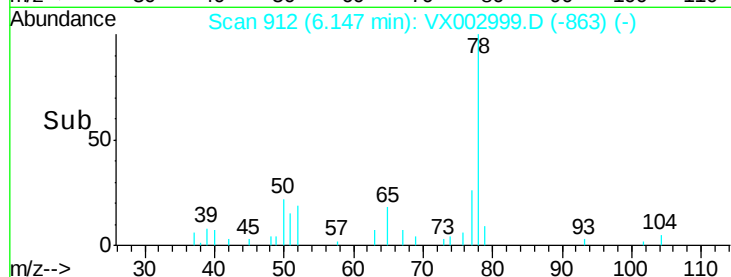
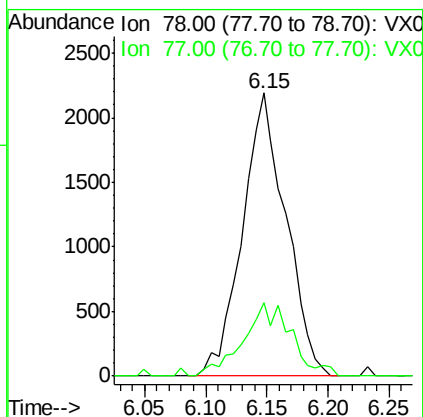
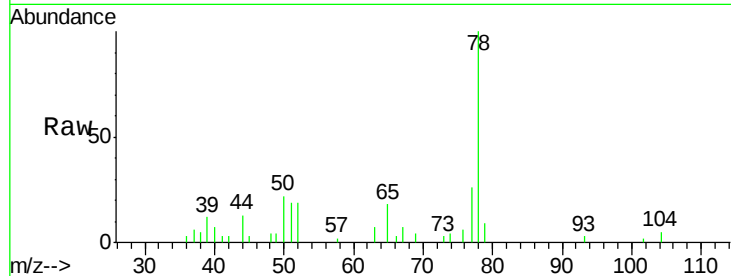




#40
Benzene
Concen: 0.43 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002999.D
Acq: 28 Jun 2018 21:26

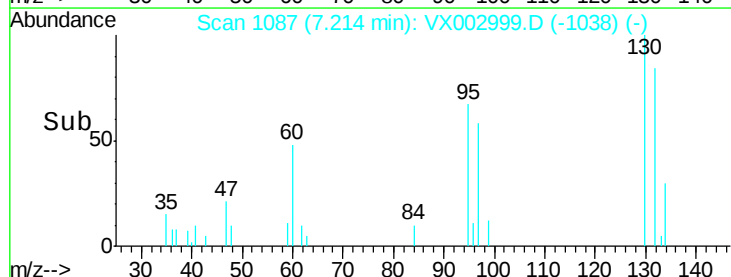
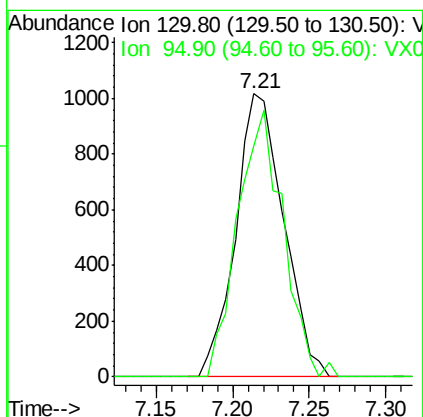
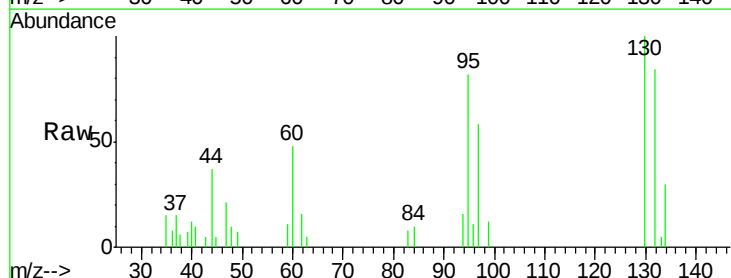
Instrument :
MSVOA_X
ClientSampleId :
ZER-GW-SB-03

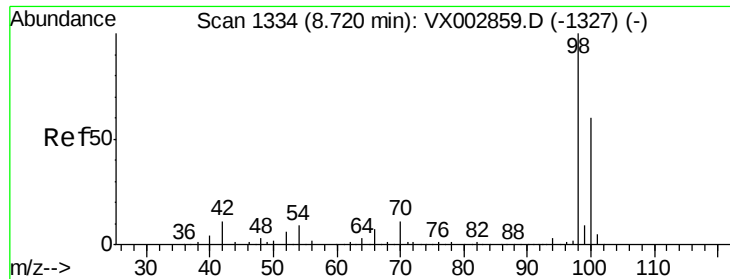
Tot Ion: 78 Resp: 5409
Ion Ratio Lower Upper
78 100
77 26.0 19.1 28.7



#44
Trichloroethene
Concen: 0.60 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX002999.D
Acq: 28 Jun 2018 21:26

Tgt Ion: 130 Resp: 2215
Ion Ratio Lower Upper
130 100
95 81.7 0.0 185.4





#50

Toluene-d8

Concen: 48.34 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

Instrument :

MSVOA_X

ClientSampleId :

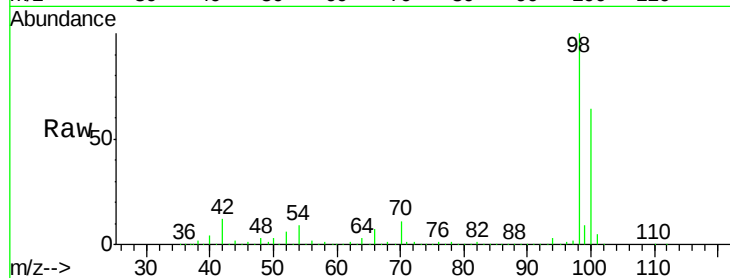
ZER-GW-SB-03

Tot Ion: 98 Resp: 547191

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

400000

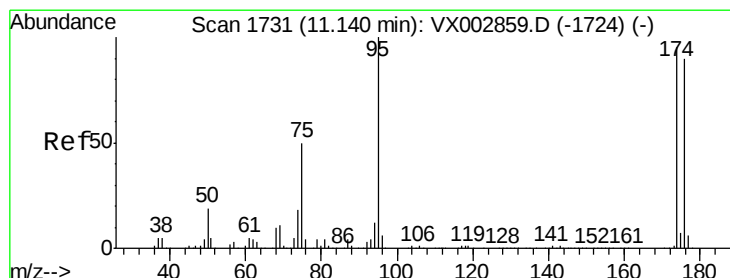
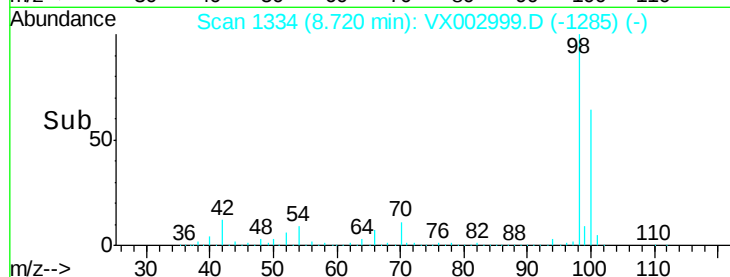
300000

200000

100000

0

Time--> 8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 45.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002999.D

Acq: 28 Jun 2018 21:26

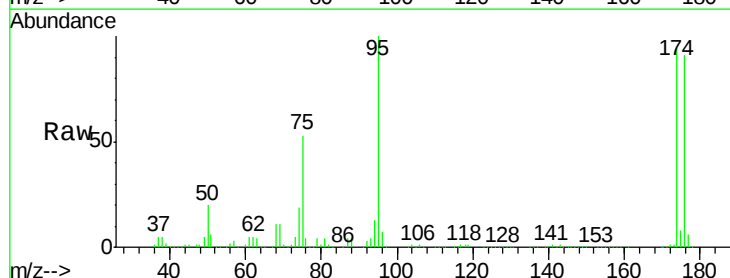
Tgt Ion: 95 Resp: 197872

Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.4

176 93.2 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

11.14

200000

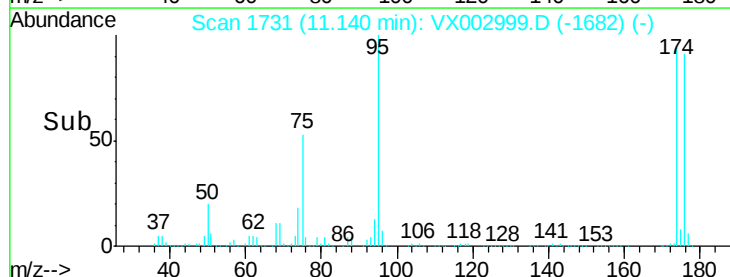
150000

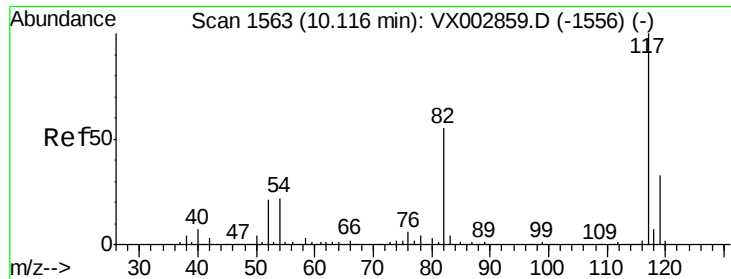
100000

50000

0

Time--> 11.10 11.20

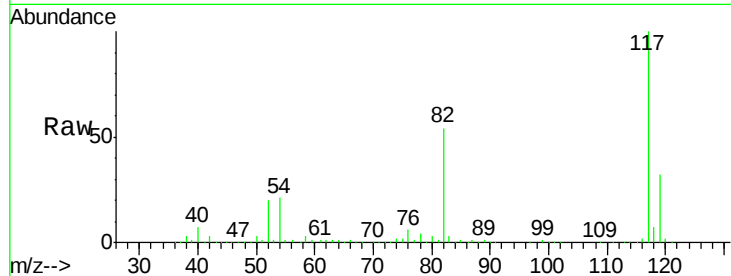




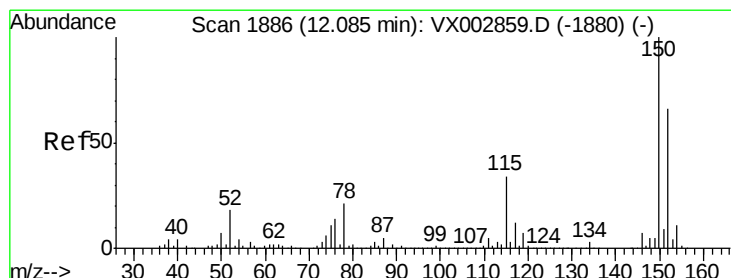
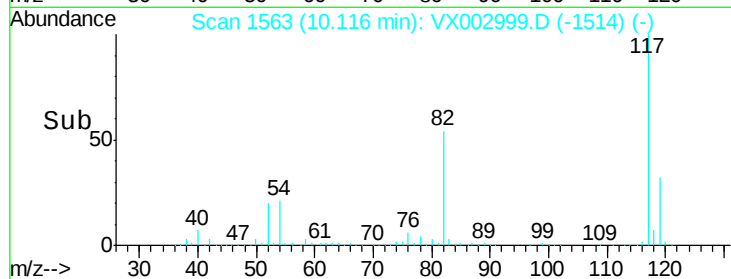
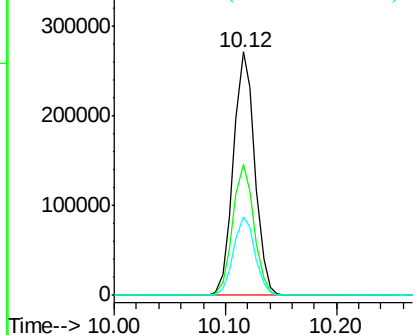
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002999.D
Acq: 28 Jun 2018 21:26

Instrument :
MSVOA_X
ClientSampleId :
ZER-GW-SB-03

Tot Ion:117 Resp: 361756
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 32.1 25.8 38.6

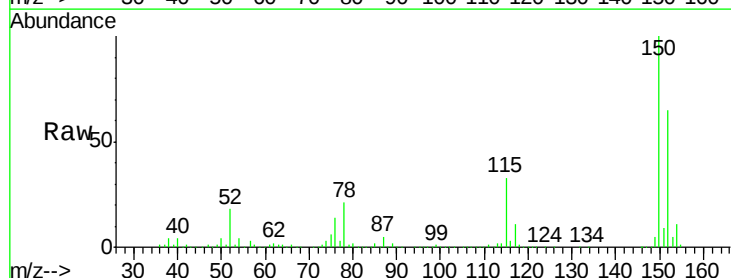


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

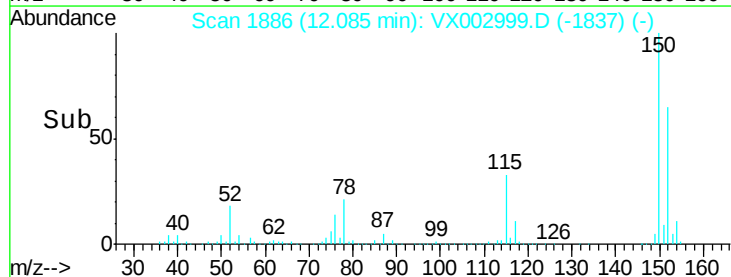
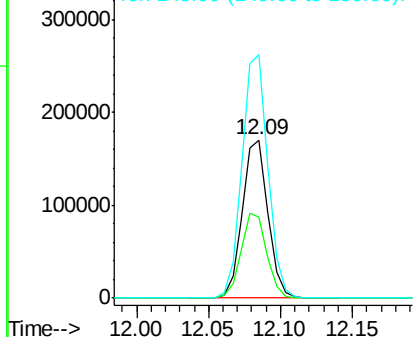


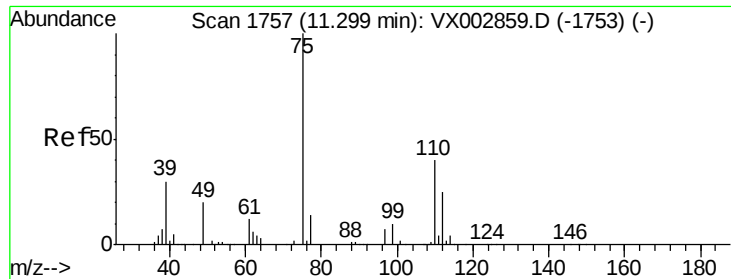
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002999.D
Acq: 28 Jun 2018 21:26

Tgt Ion:152 Resp: 208795
Ion Ratio Lower Upper
152 100
115 54.2 40.1 120.2
150 156.3 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

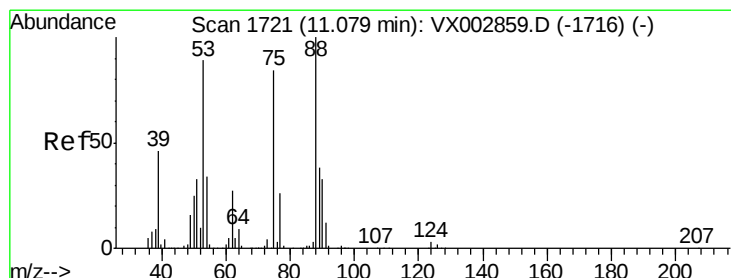
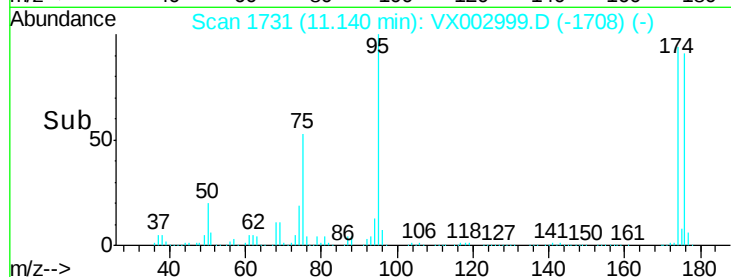
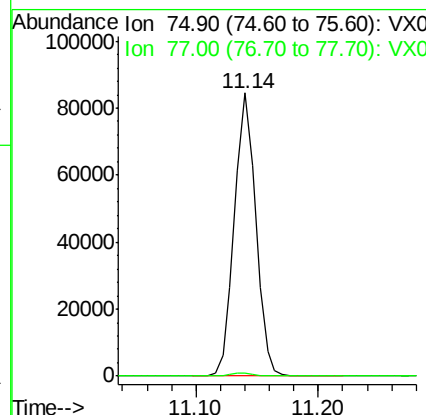
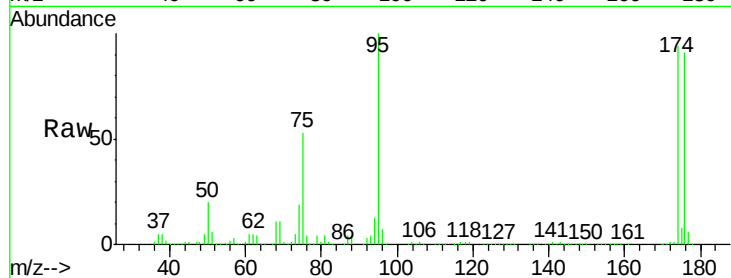




#76
 1,2,3-Trichloropropane
 Concen: 27.07 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002999.D
 Acq: 28 Jun 2018 21:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ZER-GW-SB-03

Tot Ion: 75 Resp: 102377
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.62 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002999.D
 Acq: 28 Jun 2018 21:26

Tgt Ion: 75 Resp: 102377
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

