

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040818\
 Data File : VX000742.D
 Acq On : 08 Apr 2018 19:53
 Operator : JC/MD
 Sample : J2247-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CG-1

Quant Time: Apr 09 06:44:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 17:01:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	323301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	450396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	420228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	248925	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	163767	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
35) Dibromofluoromethane	5.51	113	139677	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	8.72	98	518004	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	11.14	95	211320	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	

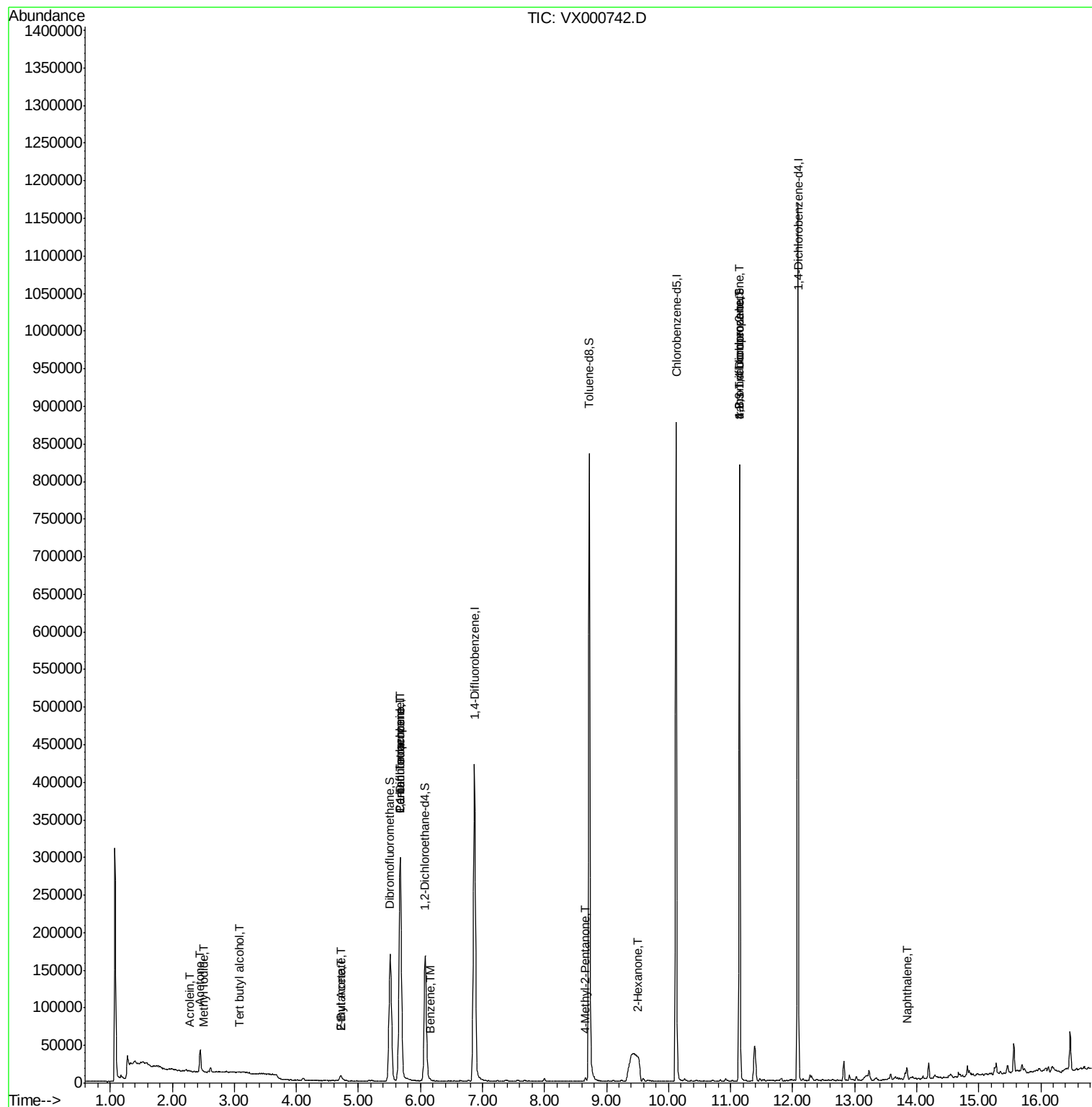
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	444	Below Cal	#	71
5) Bromomethane	1.64	94	234	Below Cal	#	2
8) Diethyl Ether	2.18	74	144	Below Cal		98
10) Methyl Iodide	2.51	142	255	5.44	ug/l	# 47
11) Tert butyl alcohol	3.07	59	1614	2.57	ug/l	# 84
13) Acrolein	2.29	56	151	0.55	ug/l	# 41
16) Acetone	2.45	43	32929	28.39	ug/l	99
17) Carbon Disulfide	2.57	76	1130	Below Cal	#	88
20) Methylene Chloride	2.86	84	547	Below Cal	#	91
25) 2-Butanone	4.71	43	12319	6.07	ug/l	100
31) Cyclohexane	5.67	56	5302	Below Cal	#	2
36) 1,1-Dichloropropene	5.68	75	19366	5.02	ug/l	# 50
37) Ethyl Acetate	4.71	43	12319	2.96	ug/l	# 69
38) Carbon Tetrachloride	5.68	117	27725	6.13	ug/l	# 16
39) Methylcyclohexane	7.47	83	81	Below Cal	#	48
40) Benzene	6.16	78	3573	0.33	ug/l	92
51) 4-Methyl-2-Pentanone	8.66	43	2653	0.63	ug/l	95
59) 2-Hexanone	9.51	43	662	0.21	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	103351	24.40	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.14	75	103351	63.53	ug/l	# 10
95) Naphthalene	13.84	128	10999	0.64	ug/l	99

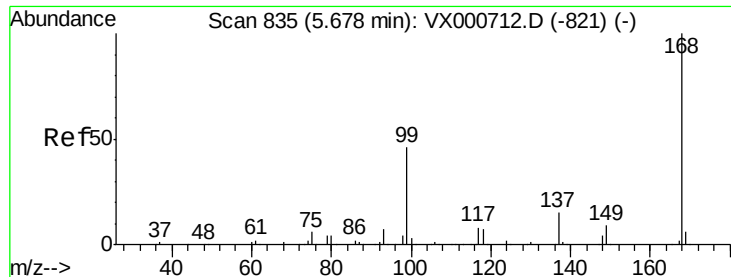
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000742.D

Acq: 08 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

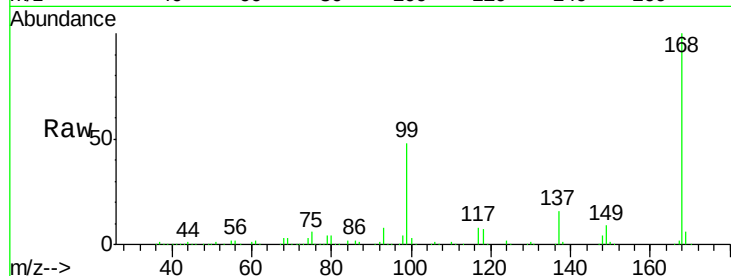
CG-1

Tgt Ion:168 Resp: 323301

Ion Ratio Lower Upper

168 100

99 47.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

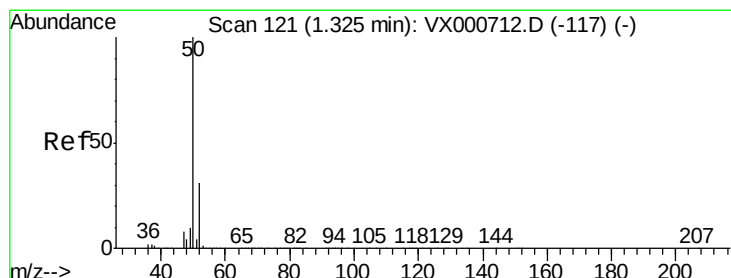
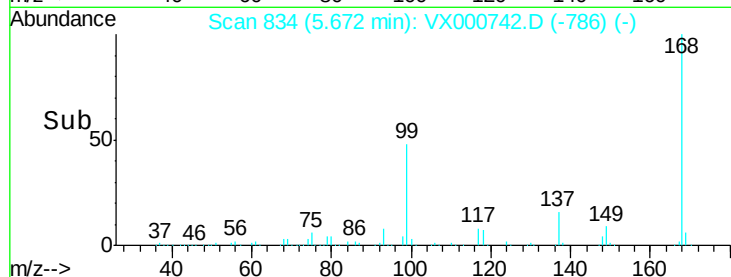
60000

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: VX000742.D

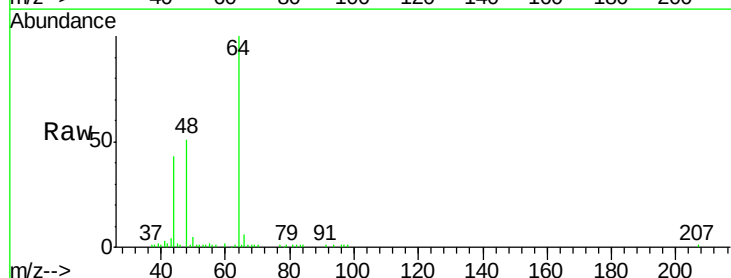
Acq: 08 Apr 2018 19:53

Tgt Ion: 50 Resp: 444

Ion Ratio Lower Upper

50 100

52 46.9 24.9 37.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

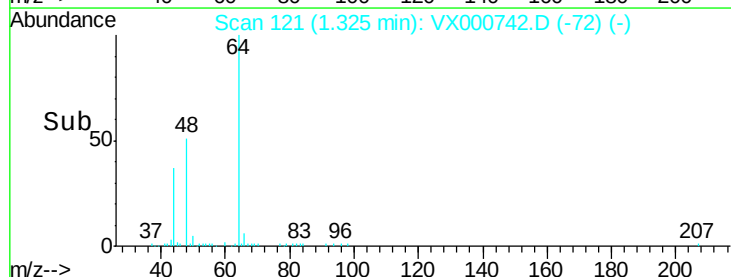
300

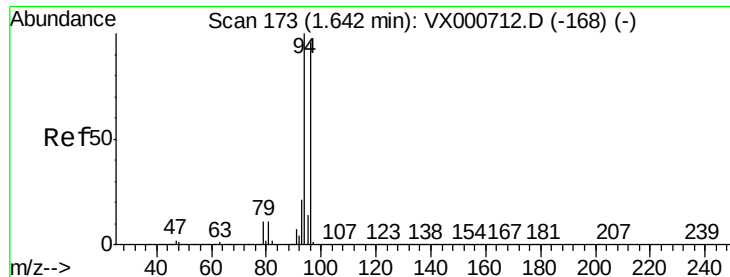
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000742.D

Acq: 08 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

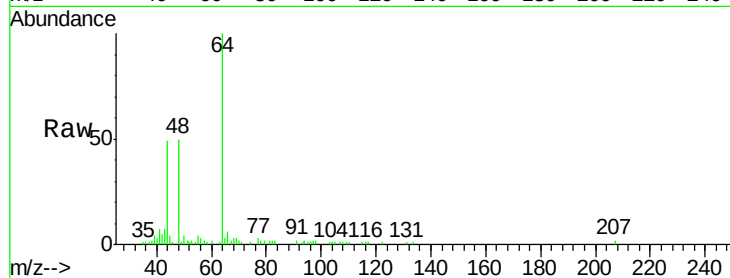
CG-1

Tgt Ion: 94 Resp: 234

Ion Ratio Lower Upper

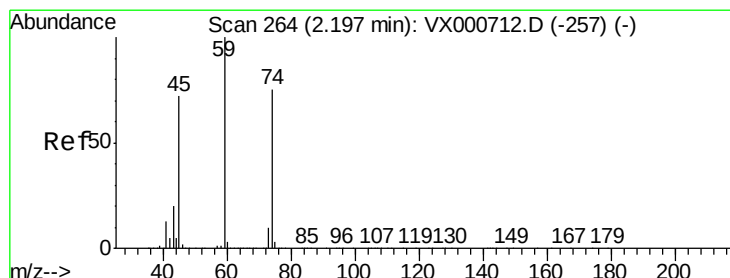
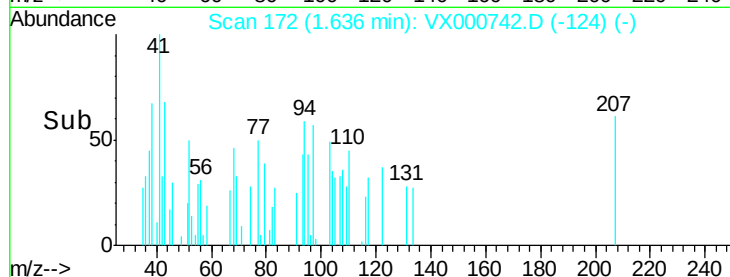
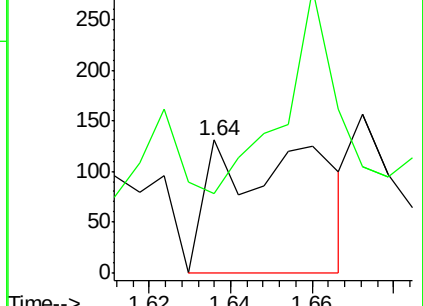
94 100

96 0.0 76.5 114.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 261

Delta R.T. -0.02 min

Lab File: VX000742.D

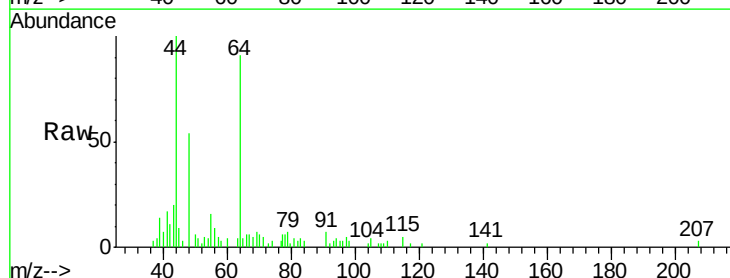
Acq: 08 Apr 2018 19:53

Tgt Ion: 74 Resp: 144

Ion Ratio Lower Upper

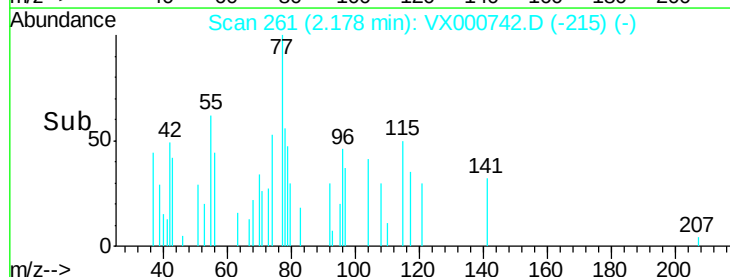
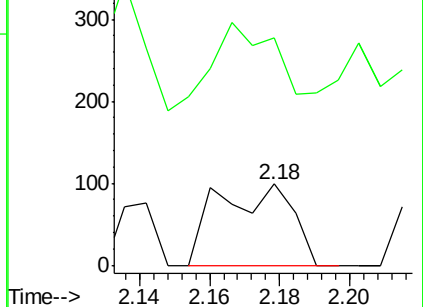
74 100

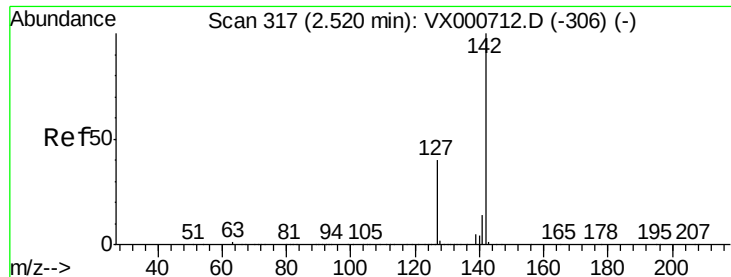
45 99.3 48.4 145.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

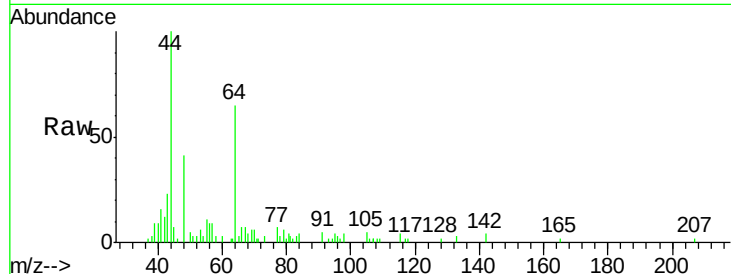




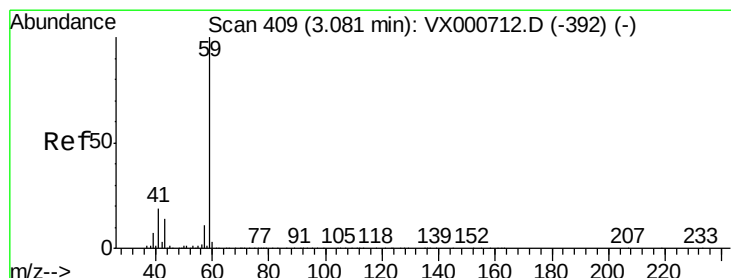
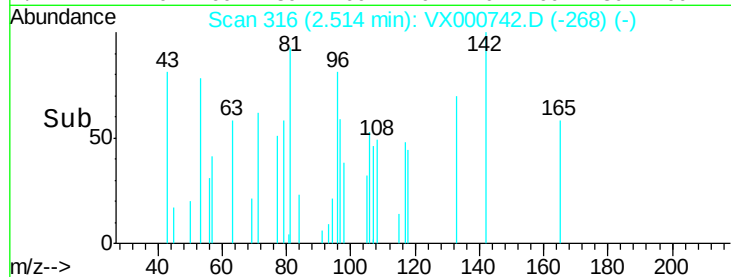
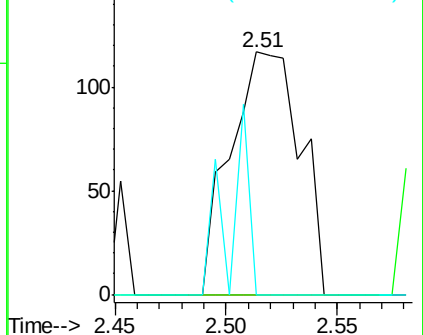
#10
Methyl Iodide
Concen: 5.44 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

Instrument :
MSVOA_X
ClientSampled :
CG-1

Tgt Ion:142 Resp: 255
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 9.4 11.4 17.0#

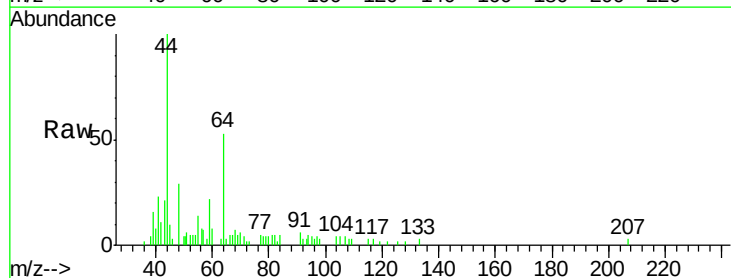


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

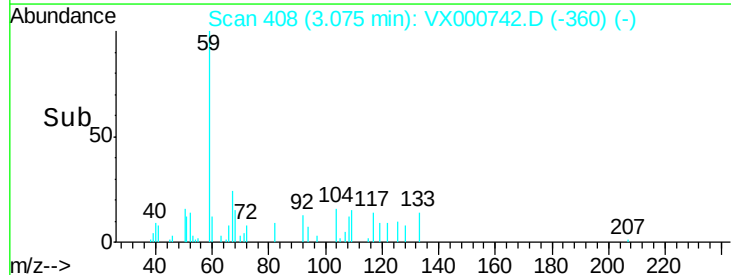
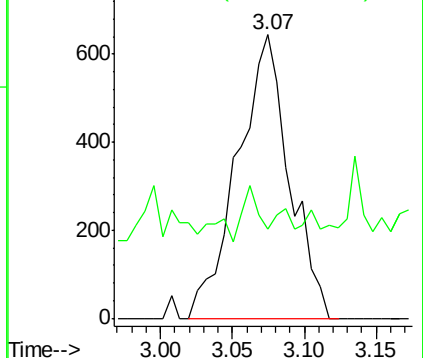


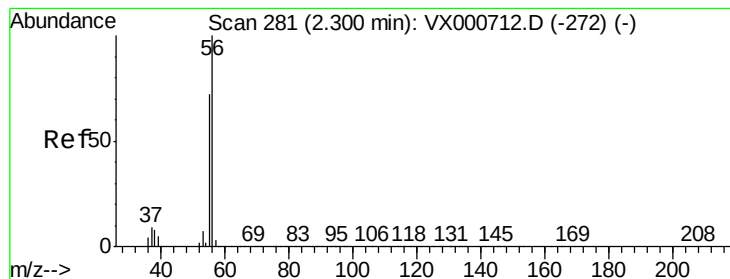
#11
Tert butyl alcohol
Concen: 2.57 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

Tgt Ion: 59 Resp: 1614
Ion Ratio Lower Upper
59 100
57 4.4 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.55 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000742.D

Acq: 08 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

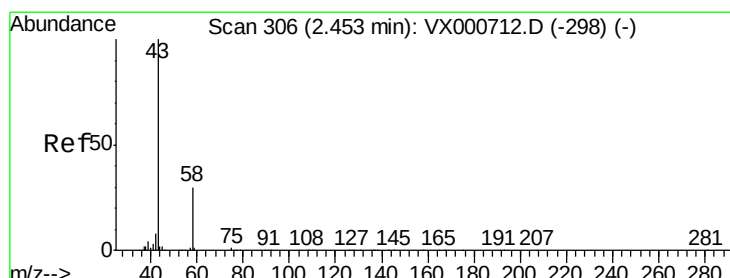
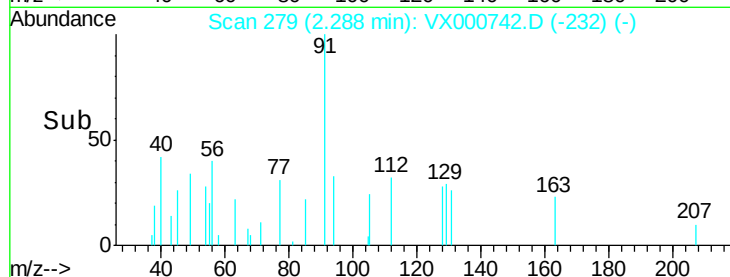
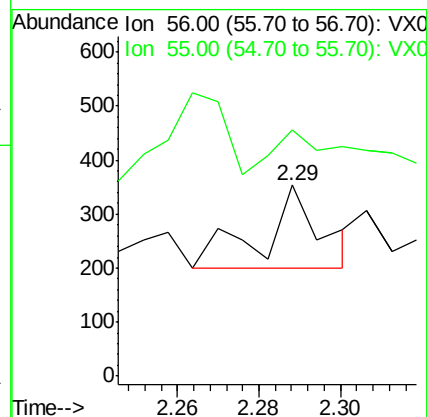
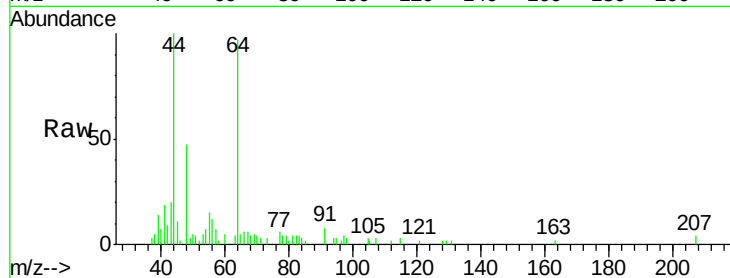
CG-1

Tgt Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 22.5 57.4 86.2#



#16

Acetone

Concen: 28.39 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000742.D

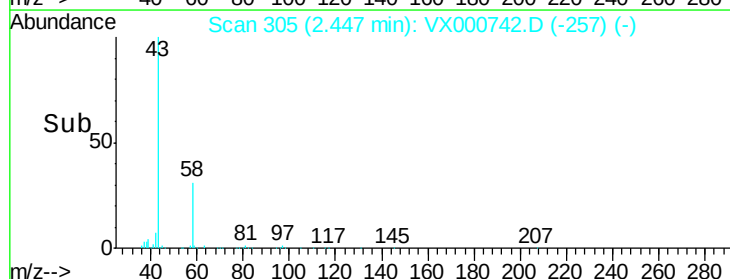
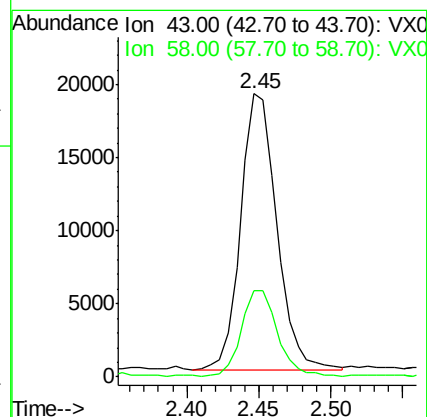
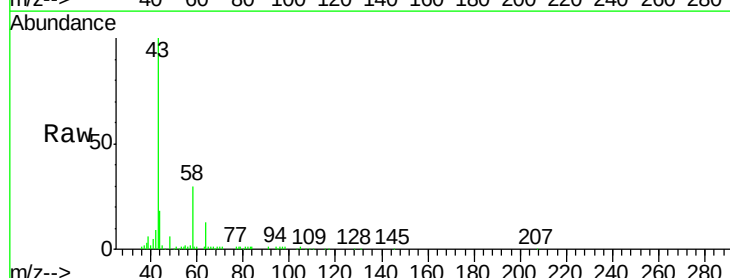
Acq: 08 Apr 2018 19:53

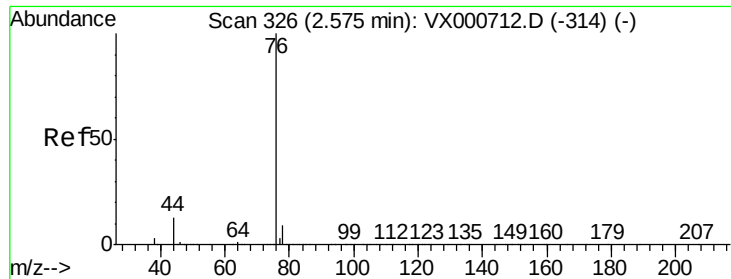
Tgt Ion: 43 Resp: 32929

Ion Ratio Lower Upper

43 100

58 30.8 24.0 36.0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000742.D

Acq: 08 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

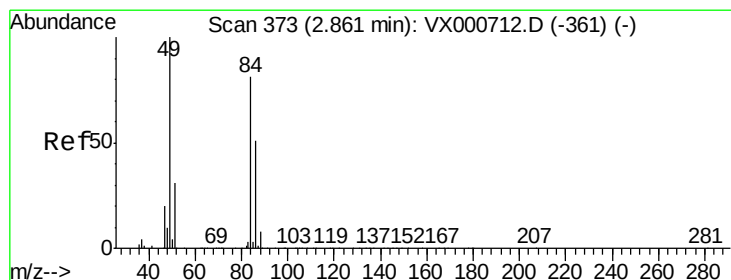
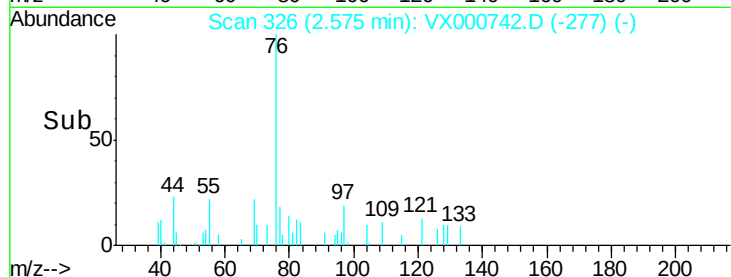
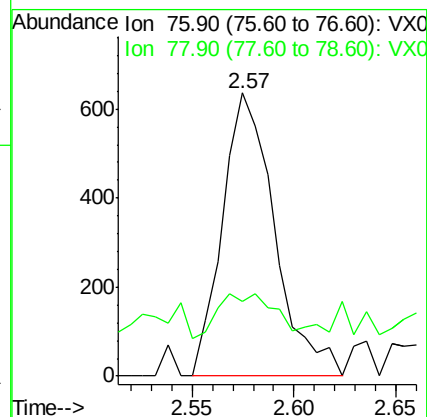
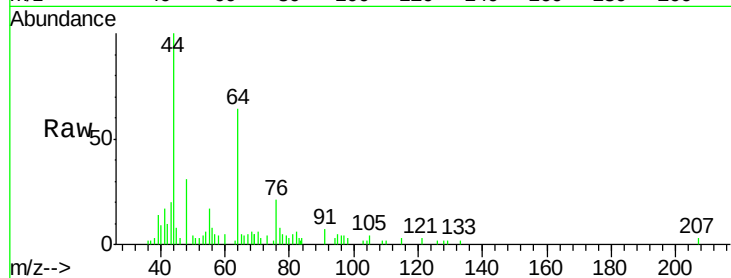
CG-1

Tgt Ion: 76 Resp: 1130

Ion Ratio Lower Upper

76 100

78 13.1 7.1 10.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX000742.D

Acq: 08 Apr 2018 19:53

Tgt Ion: 84 Resp: 547

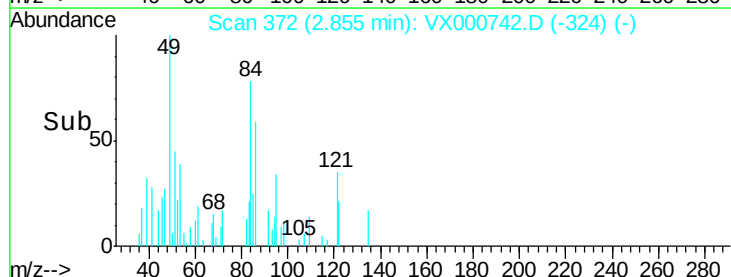
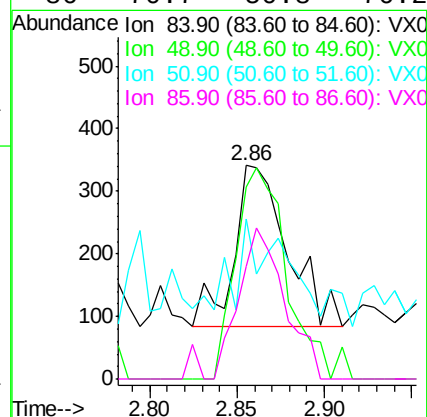
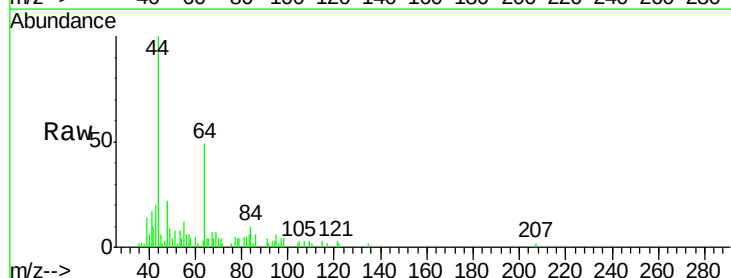
Ion Ratio Lower Upper

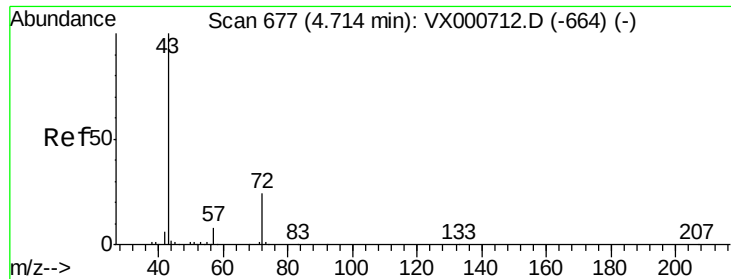
84 100

49 119.5 98.6 148.0

51 55.9 30.8 46.2#

86 70.7 50.8 76.2

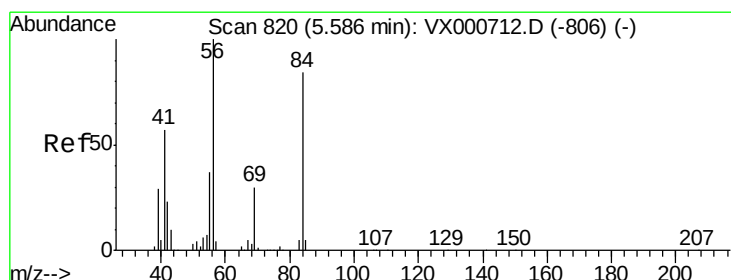
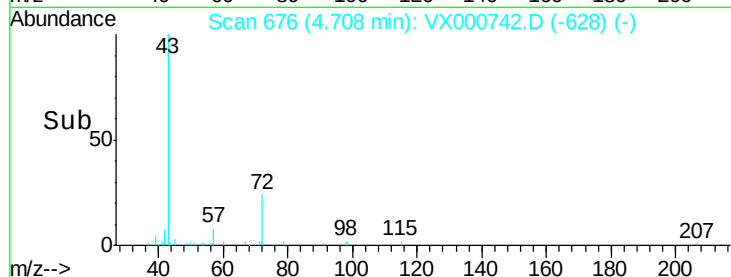
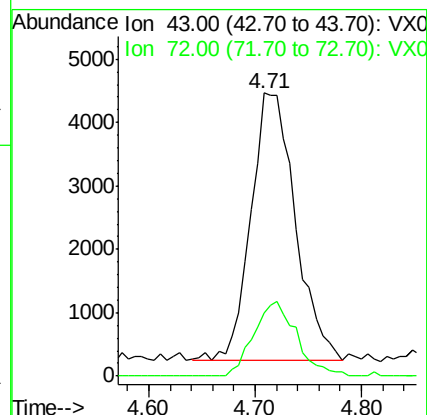
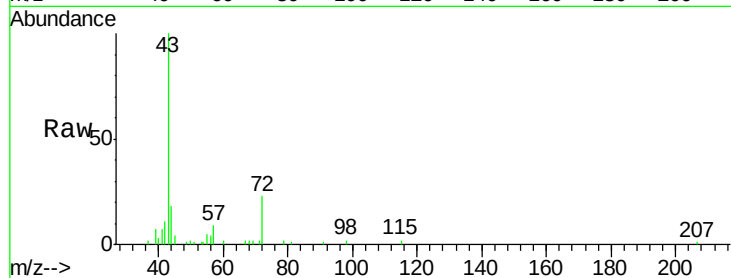




#25
2-Butanone
Concen: 6.07 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

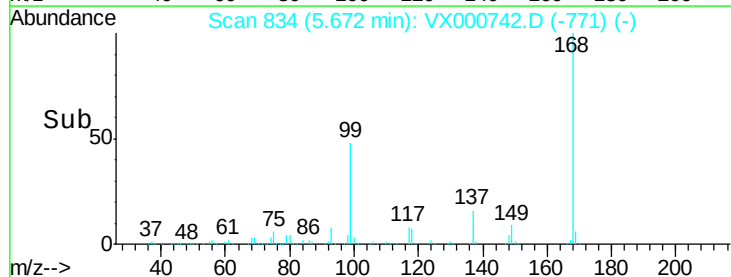
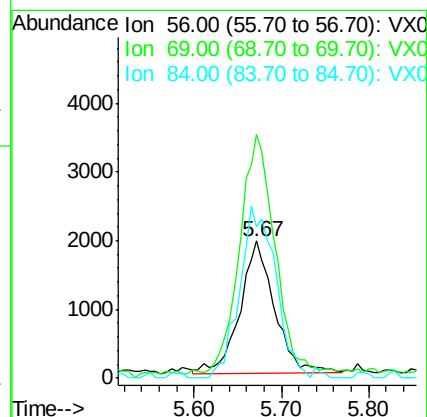
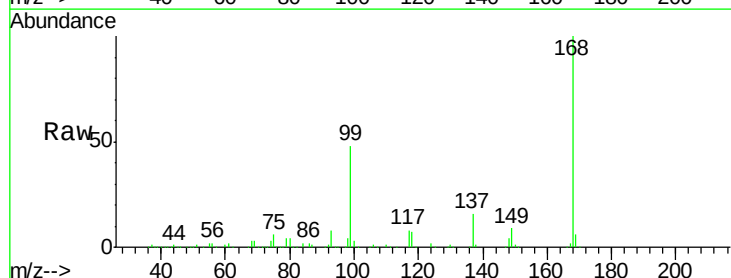
Instrument :
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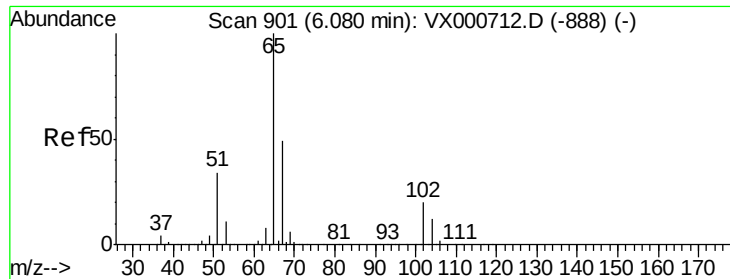
Tgt Ion: 43 Resp: 12319
Ion Ratio Lower Upper
43 100
72 23.9 19.0 28.4



#31
Cyclohexane
Concen: Below Cal
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

Tgt Ion: 56 Resp: 5302
Ion Ratio Lower Upper
56 100
69 179.8 23.8 35.6#
84 116.1 67.4 101.2#

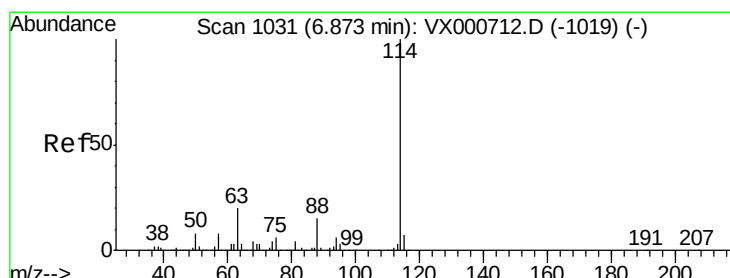
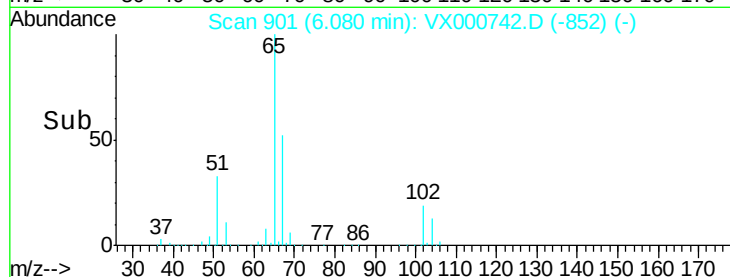
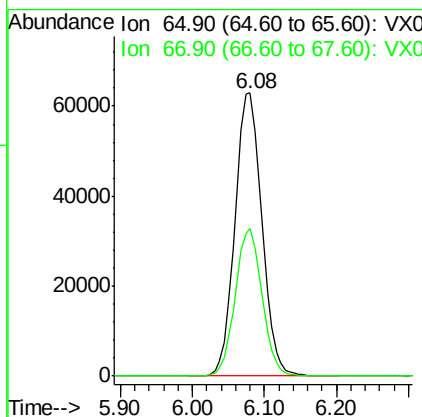
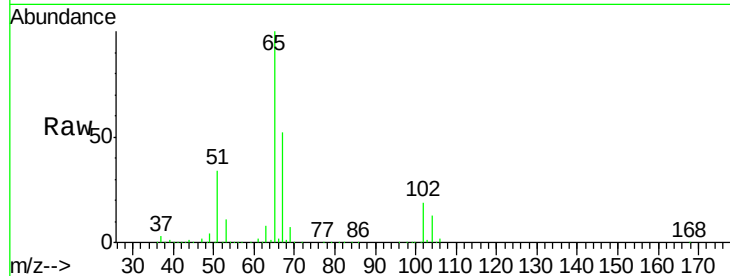




#33
 1,2-Dichloroethane-d4
 Concen: 44.30 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000742.D
 Acq: 08 Apr 2018 19:53

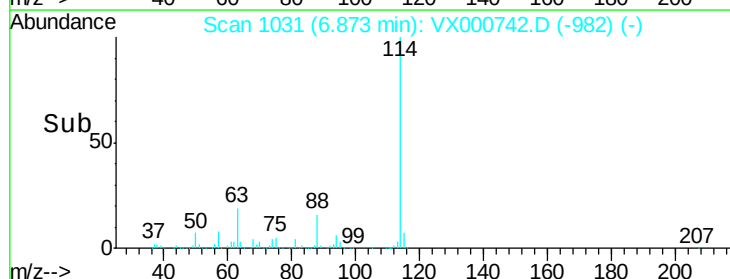
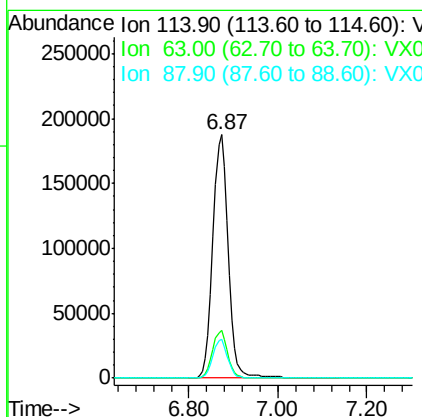
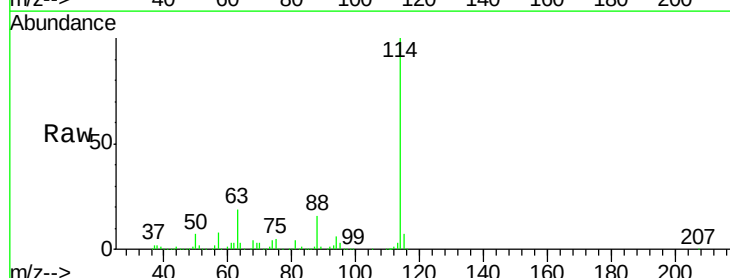
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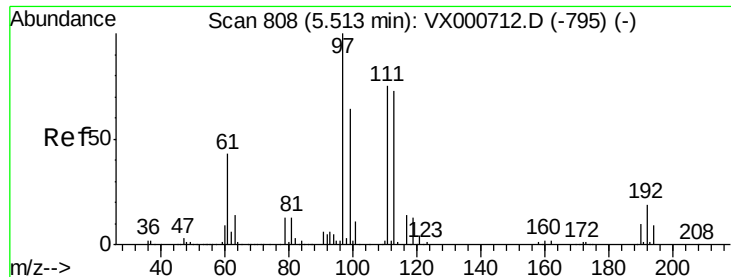
Tgt Ion: 65 Resp: 163767
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000742.D
 Acq: 08 Apr 2018 19:53

Tgt Ion: 114 Resp: 450396
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.6
 88 15.9 0.0 30.6

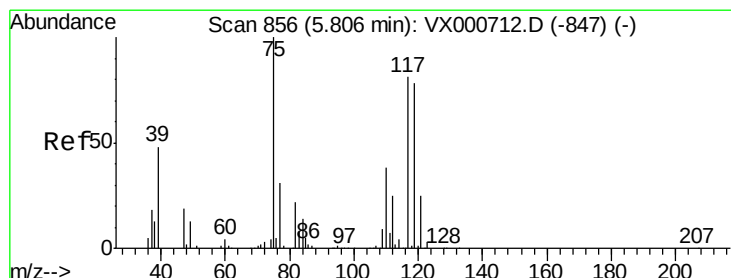
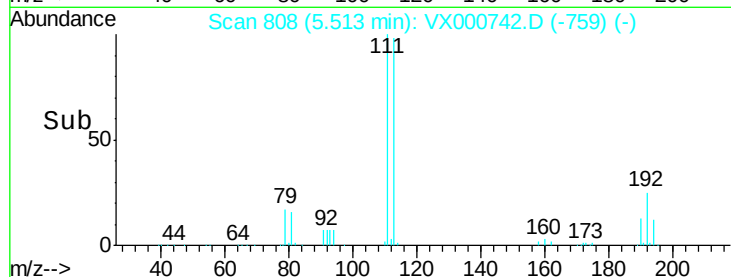
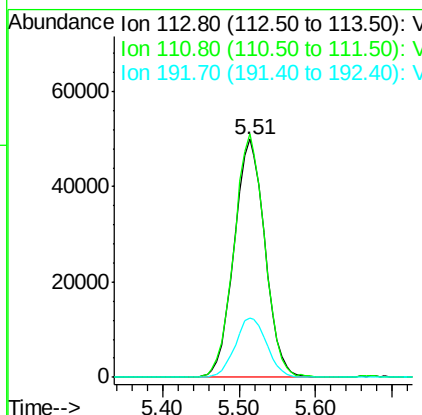
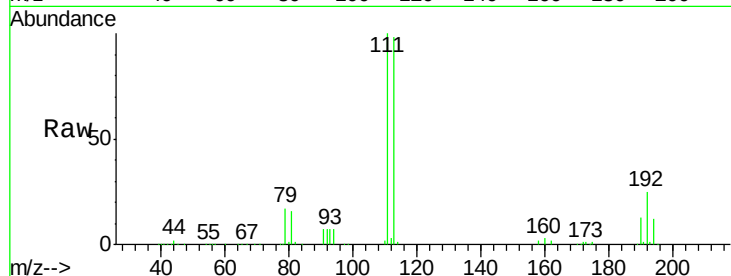




#35
 Dibromofluoromethane
 Concen: 47.98 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX000742.D
 Acq: 08 Apr 2018 19:53

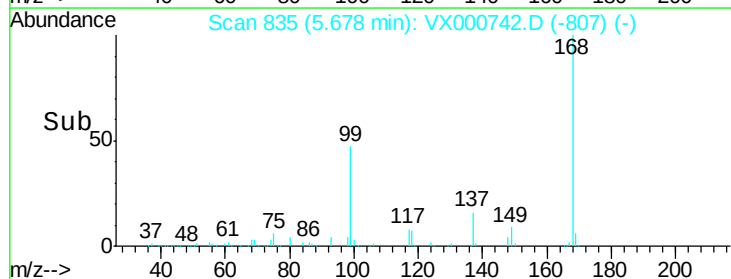
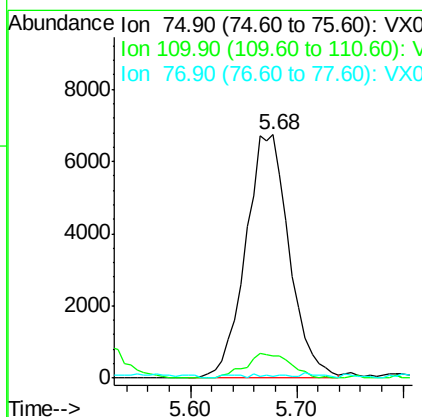
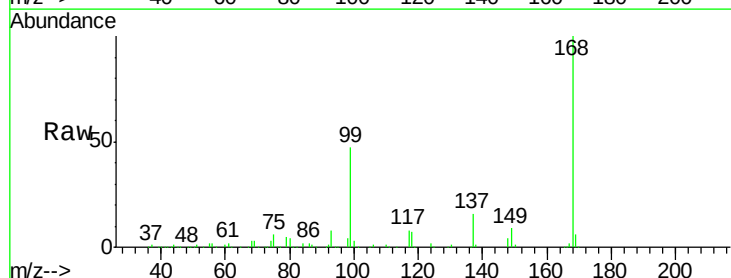
Instrument :
 MSVOA_X
 ClientSampled :
 CG-1

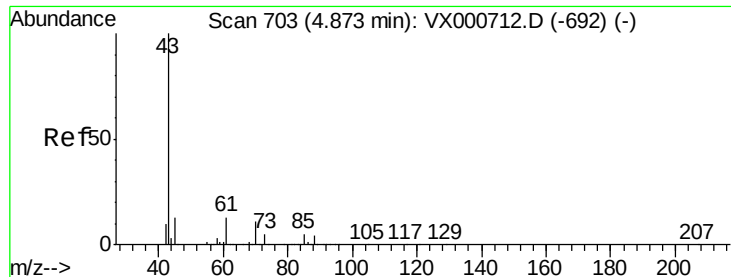
Tgt Ion:113 Resp: 139677
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.5 122.3
 192 25.6 20.0 30.0



#36
 1,1-Dichloropropene
 Concen: 5.02 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000742.D
 Acq: 08 Apr 2018 19:53

Tgt Ion: 75 Resp: 19366
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.6 56.0#
 77 0.6 24.6 37.0#

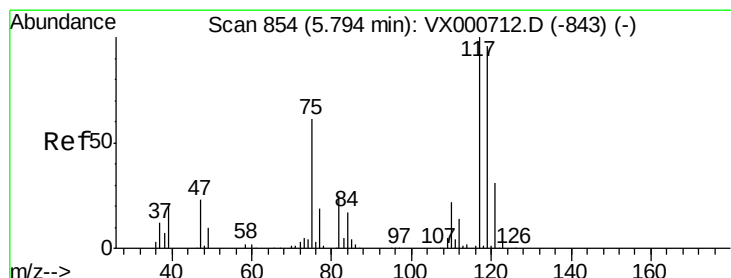
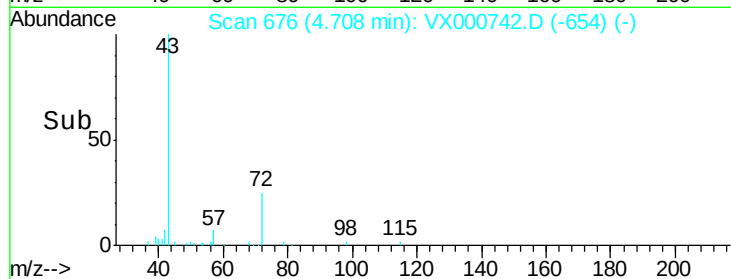
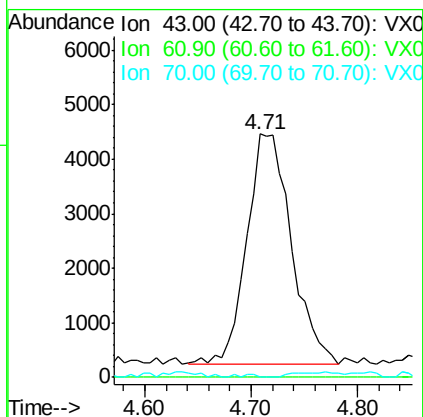
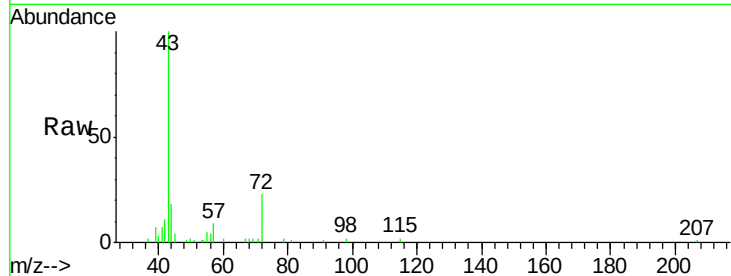




#37
Ethyl Acetate
Concen: 2.96 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.16 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

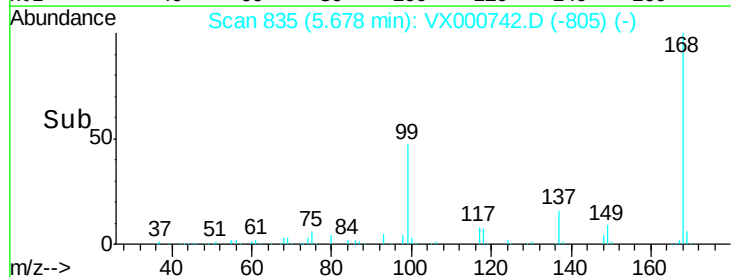
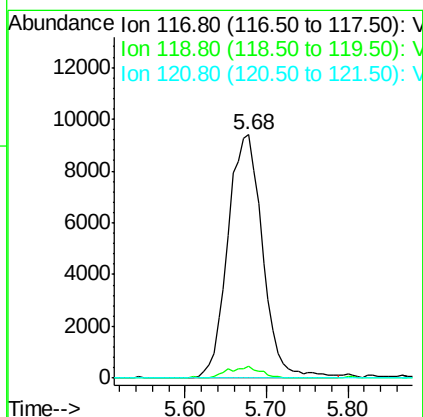
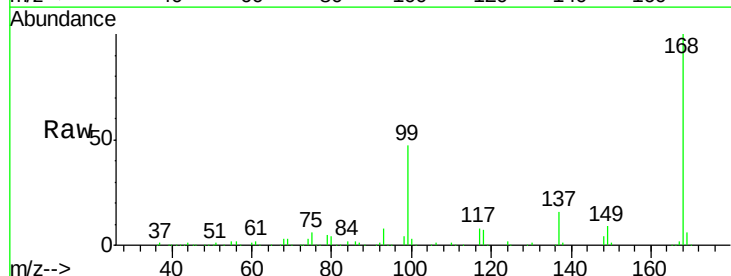
Instrument :
MSVOA_X
ClientSampleId :
CG-1

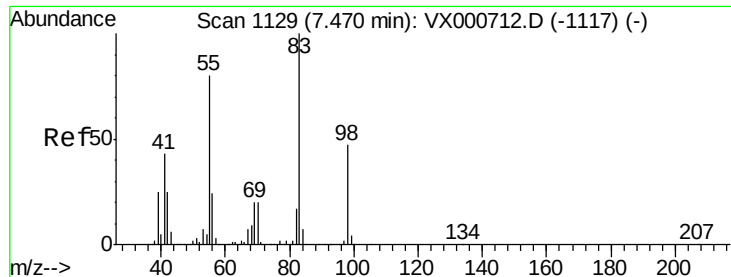
Tgt Ion: 43 Resp: 12319
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.13 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

Tgt Ion: 117 Resp: 27725
Ion Ratio Lower Upper
117 100
119 4.6 76.7 115.1#
121 0.0 24.7 37.1#

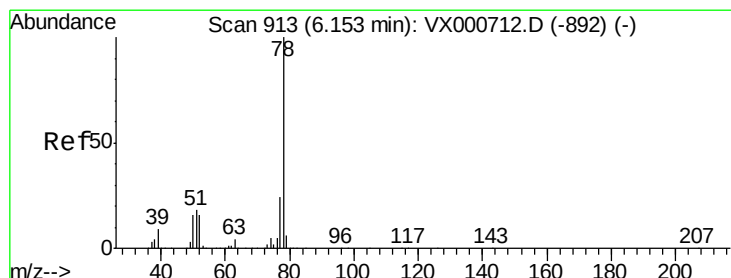
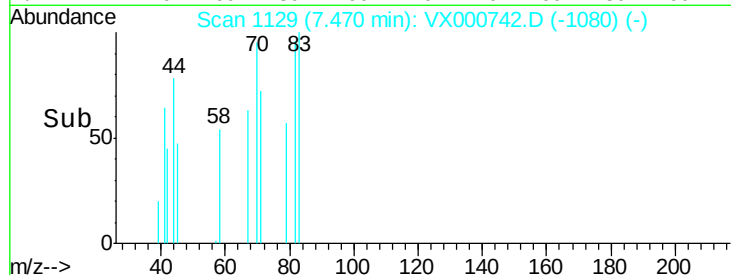
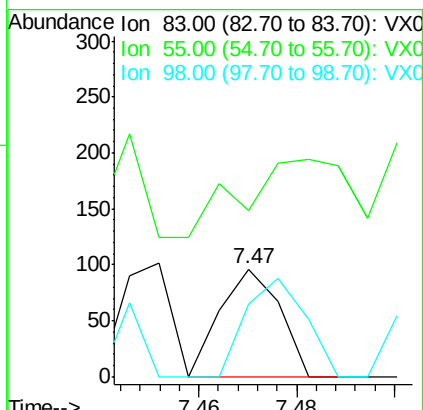
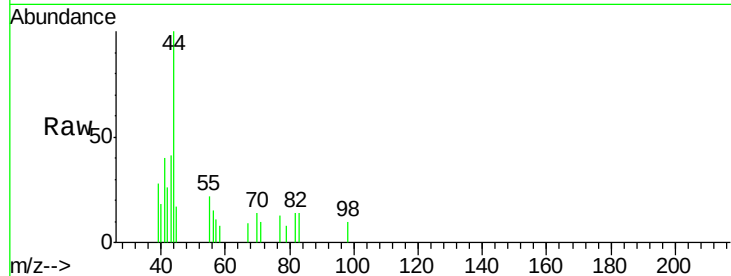




#39
Methylcyclohexane
Concen: Below Cal
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

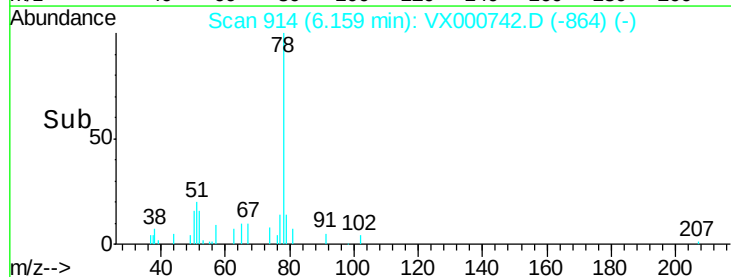
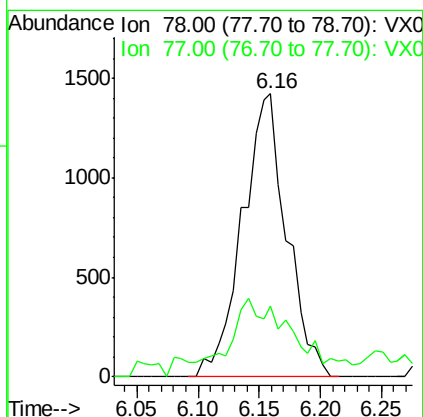
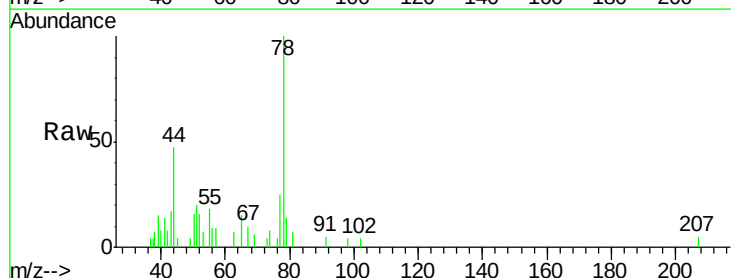
Instrument :
MSVOA_X
ClientSampled :
CG-1

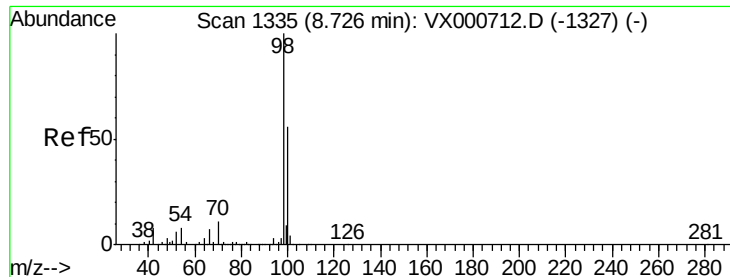
Tgt Ion: 83 Resp: 81
Ion Ratio Lower Upper
83 100
55 24.0 63.7 95.5#
98 67.7 37.2 55.8#



#40
Benzene
Concen: 0.33 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.01 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

Tgt Ion: 78 Resp: 3573
Ion Ratio Lower Upper
78 100
77 19.8 19.0 28.4

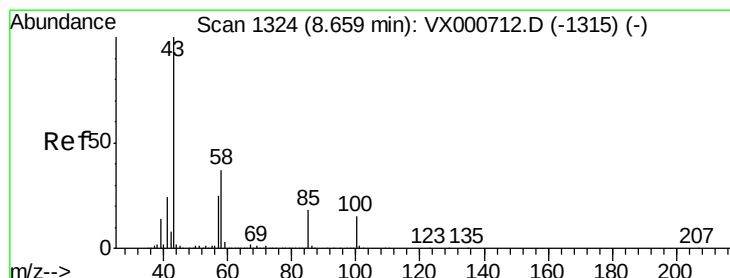
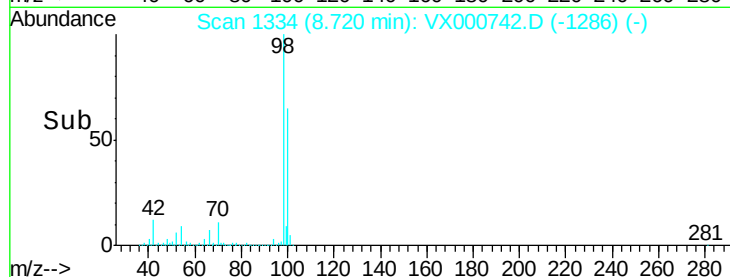
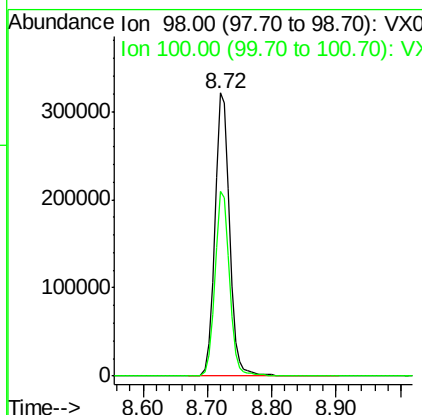
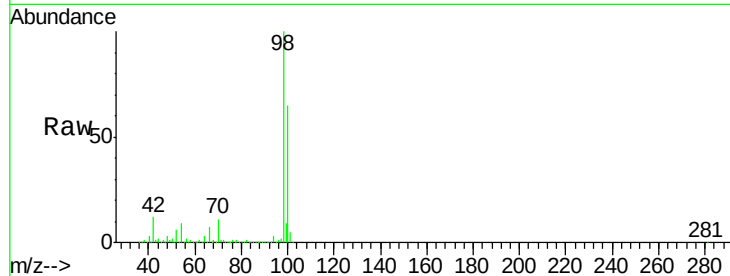




#50
Toluene-d8
Concen: 46.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

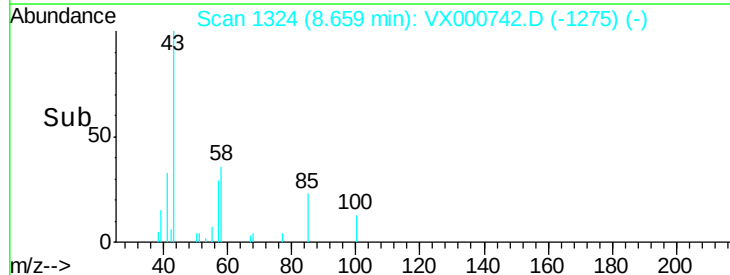
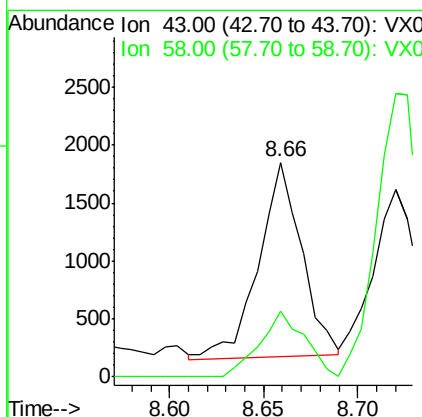
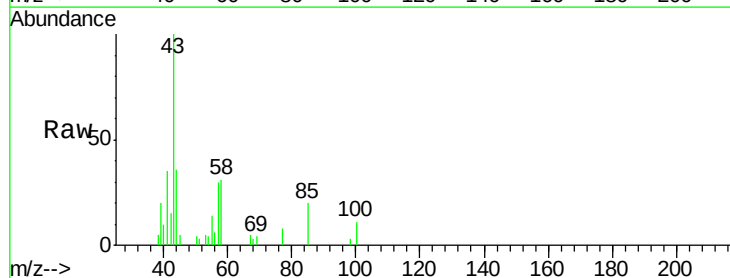
Instrument :
MSVOA_X
ClientSampled :
CG-1

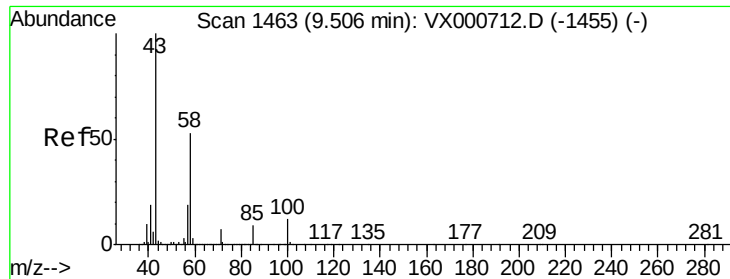
Tgt Ion: 98 Resp: 518004
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.63 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

Tgt Ion: 43 Resp: 2653
Ion Ratio Lower Upper
43 100
58 35.3 30.6 46.0

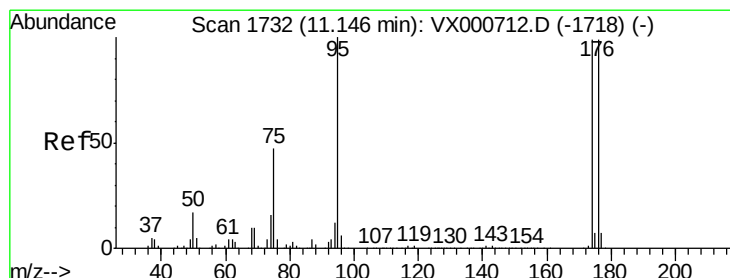
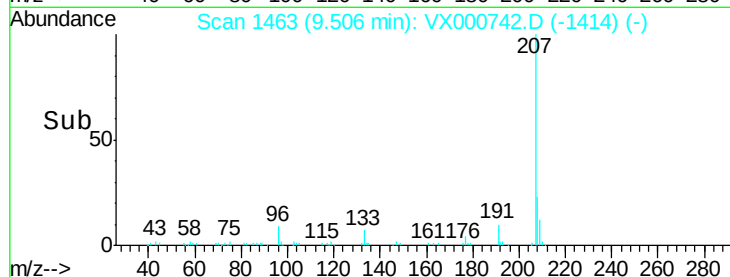
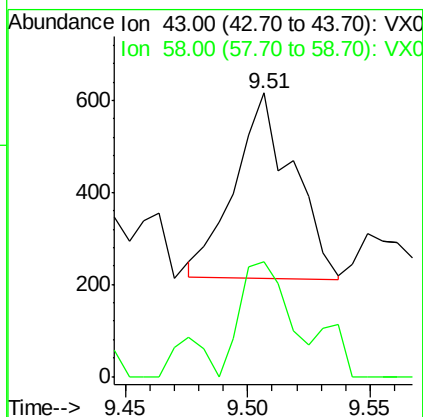
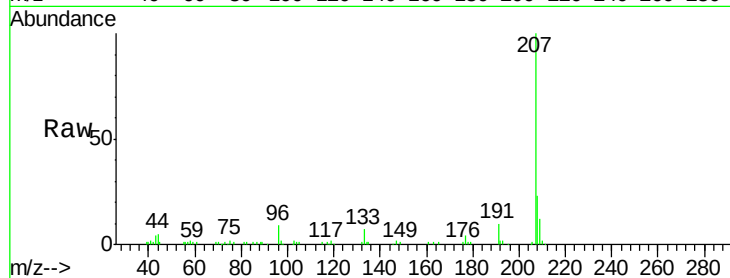




#59
2-Hexanone
Concen: 0.21 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

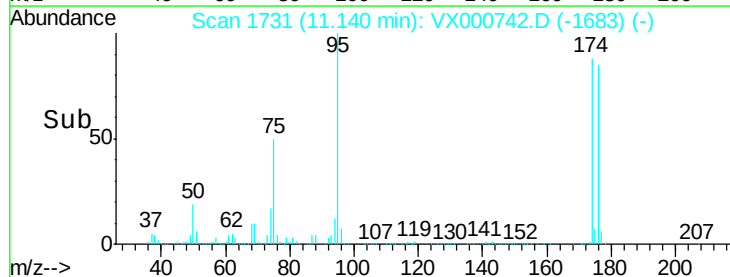
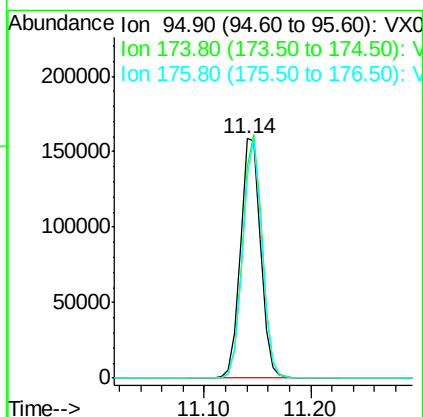
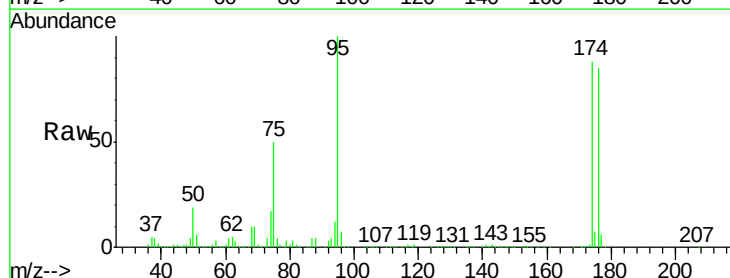
Instrument :
MSVOA_X
ClientSampled :
CG-1

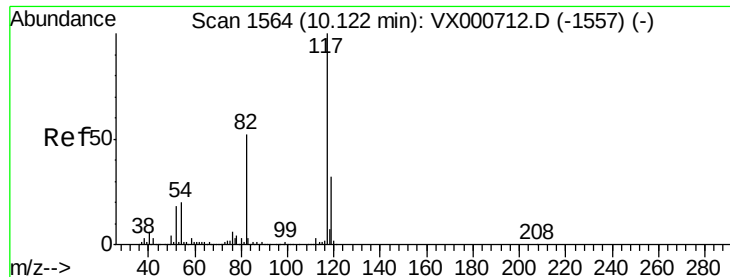
Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 46.11 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000742.D
Acq: 08 Apr 2018 19:53

Tgt Ion: 95 Resp: 211320
Ion Ratio Lower Upper
95 100
174 98.2 0.0 191.6
176 95.3 0.0 187.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000742.D

Acq: 08 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

CG-1

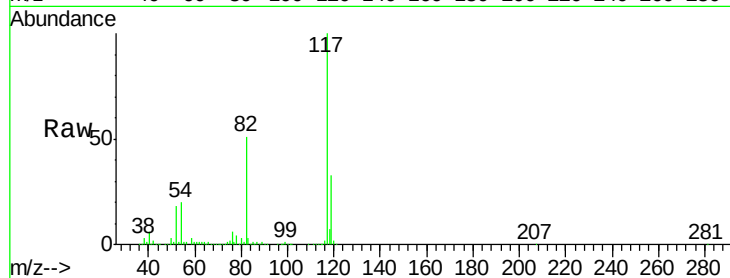
Tgt Ion:117 Resp: 420228

Ion Ratio Lower Upper

117 100

82 51.3 41.9 62.9

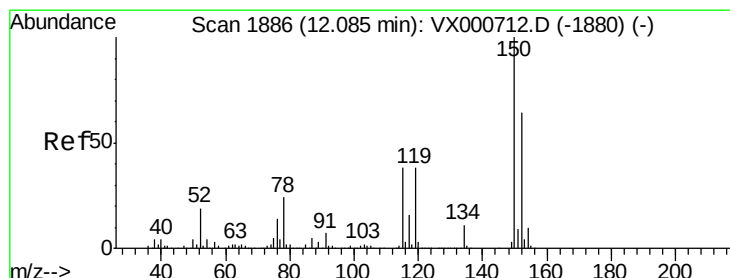
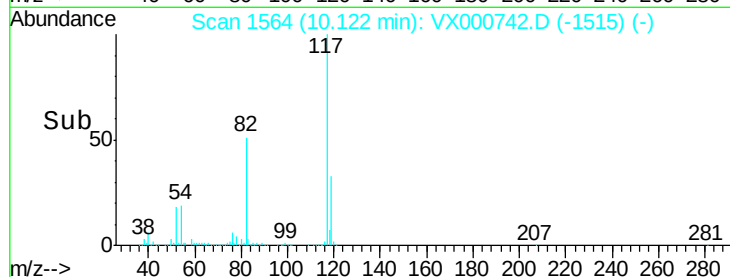
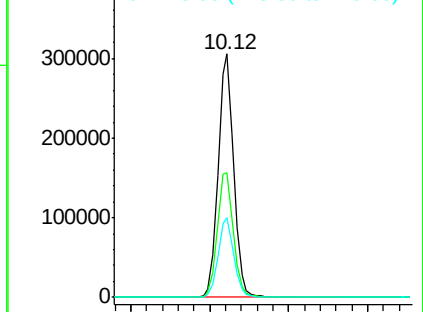
119 32.7 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX000742.D

Acq: 08 Apr 2018 19:53

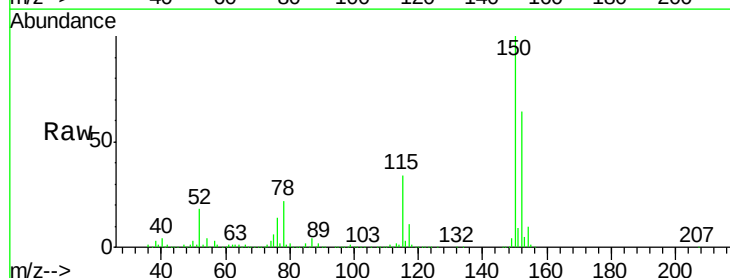
Tgt Ion:152 Resp: 248925

Ion Ratio Lower Upper

152 100

115 53.4 37.7 113.1

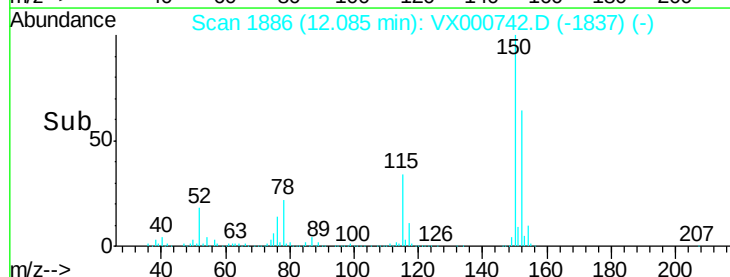
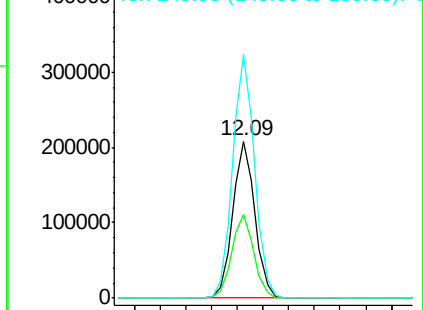
150 155.1 0.0 345.0

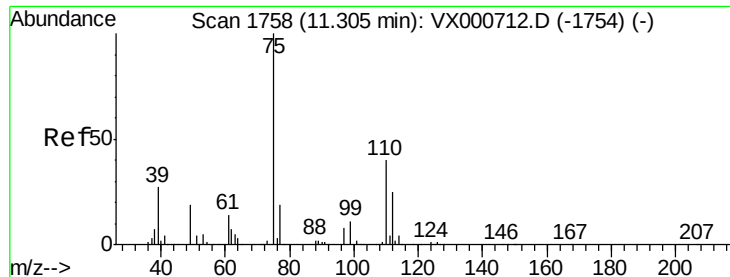


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000742.D

Acq: 08 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

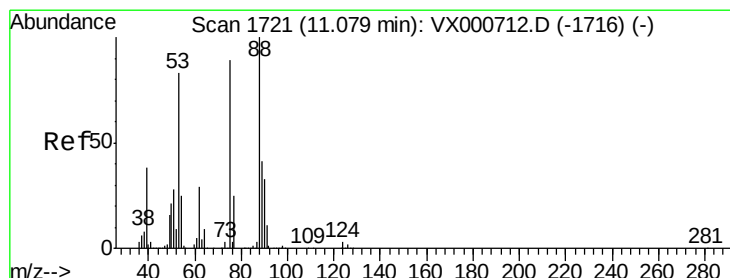
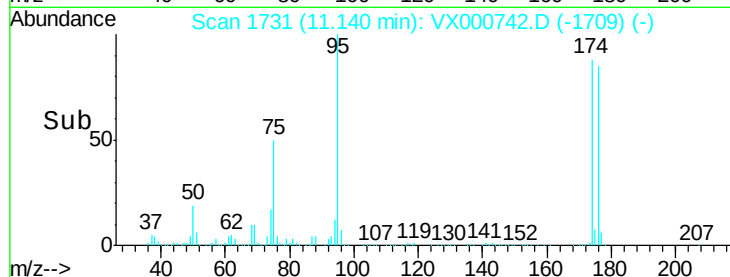
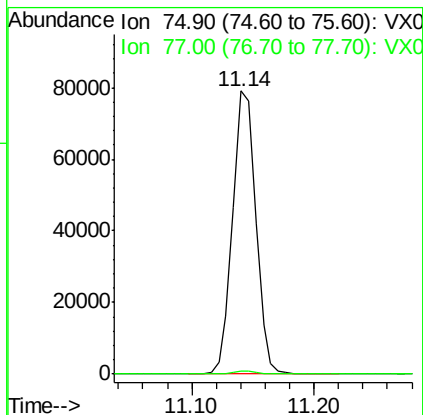
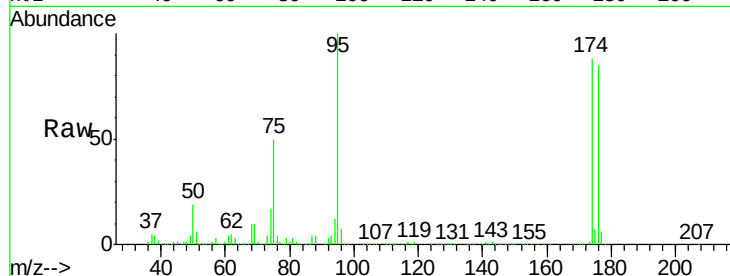
CG-1

Tgt Ion: 75 Resp: 103351

Ion Ratio Lower Upper

75 100

77 1.4 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000742.D

Acq: 08 Apr 2018 19:53

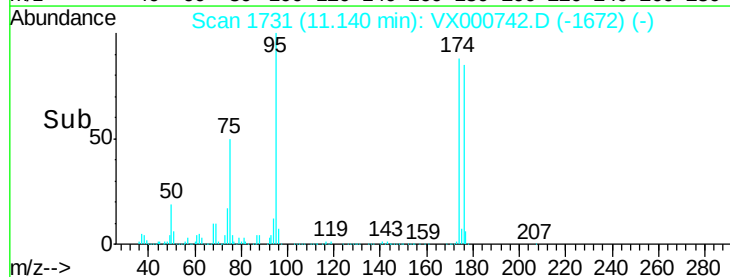
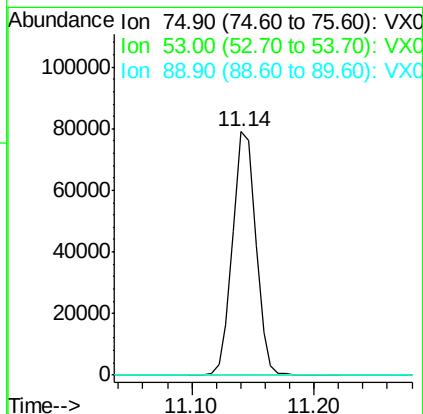
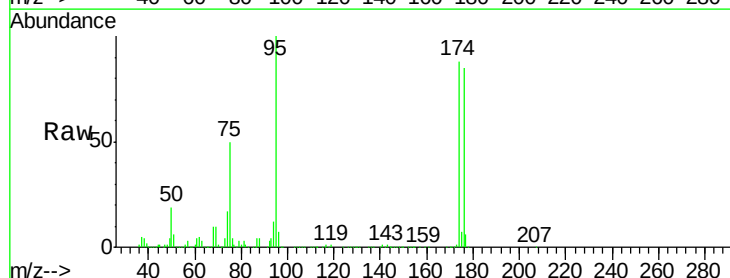
Tgt Ion: 75 Resp: 103351

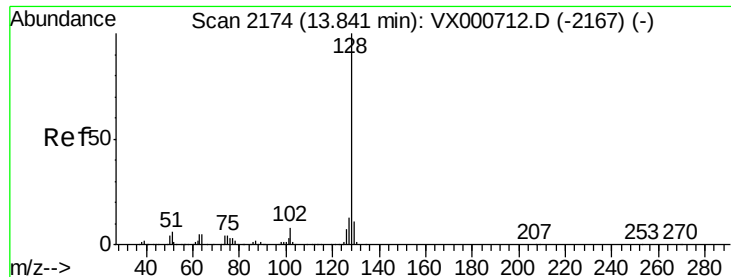
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

89 0.0 46.6 69.8#





#95

Naphthalene

Concen: 0.64 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000742.D

Acq: 08 Apr 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

CG-1

Tgt Ion:128 Resp: 10999

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

129 11.0 8.8 13.2

