

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003755.D
 Acq On : 31 Jul 2018 17:25
 Operator : JC/SP
 Sample : J4121-06
 Misc : 7.54G/5.0mL/MSVOA X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-03(8-10)

Quant Time: Aug 01 01:28:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	19790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	27656	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	22926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	8518	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	9570	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	5.51	113	8674	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
50) Toluene-d8	8.72	98	31721	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
62) 4-Bromofluorobenzene	11.14	95	8329	33.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.54%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	53	0.25	ug/l	# 42
5) Bromomethane	1.67	94	47	Below	Cal	# 2
6) Chloroethane	1.58	64	101	0.68	ug/l	# 42
16) Acetone	2.45	43	5126	67.05	ug/l	97
17) Carbon Disulfide	2.57	76	927	1.61	ug/l	100
18) Methyl Acetate	2.78	43	111	0.52	ug/l	# 52
20) Methylene Chloride	2.86	84	405	Below	Cal	93
25) 2-Butanone	4.70	43	1521	13.65	ug/l	91
26) 2,2-Dichloropropane	4.71	77	467	1.80	ug/l	# 51
31) Cyclohexane	5.67	56	356	1.12	ug/l	# 39
36) 1,1-Dichloropropene	5.67	75	1378	5.32	ug/l	# 42
37) Ethyl Acetate	4.70	43	1521	7.65	ug/l	# 85
38) Carbon Tetrachloride	5.66	117	1875	7.83	ug/l	# 12
39) Methylcyclohexane	7.47	83	72	0.23	ug/l	# 62
40) Benzene	6.15	78	13159	17.73	ug/l	100
51) 4-Methyl-2-Pentanone	8.72	43	161	0.83	ug/l	# 1
52) Toluene	8.79	92	743	1.60	ug/l	98
55) 1,1,2-Trichloroethane	9.37	97	44	0.28	ug/l	# 15
67) Ethyl Benzene	10.26	91	403	0.50	ug/l	93
68) m/p-Xylenes	10.36	106	425	1.34	ug/l	95
69) o-Xylene	10.70	106	161	0.55	ug/l	82
76) 1,2,3-Trichloropropane	11.14	75	4092	34.85	ug/l	# 33
80) 1,3,5-Trimethylbenzene	11.51	105	252	0.55	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.14	75	4092	103.23	ug/l	# 11
82) 4-Chlorotoluene	11.51	91	173	0.39	ug/l	# 44
84) 1,2,4-Trimethylbenzene	11.81	105	459	0.98	ug/l	100
86) p-Isopropyltoluene	12.06	119	132	0.25	ug/l	# 38
87) 1,3-Dichlorobenzene	12.03	146	71	0.25	ug/l	# 58
88) 1,4-Dichlorobenzene	12.10	146	84	0.29	ug/l	# 76
89) n-Butylbenzene	12.39	91	218	0.44	ug/l	# 54
90) Hexachloroethane	12.76	117	163	2.10	ug/l	# 1
91) 1,2-Dichlorobenzene	12.39	146	76	0.29	ug/l	# 25
92) 1,2-Dibromo-3-Chloropropan	12.82	75	43	1.56	ug/l	# 1
93) 1,2,4-Trichlorobenzene	13.65	180	208	1.00	ug/l	89

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration

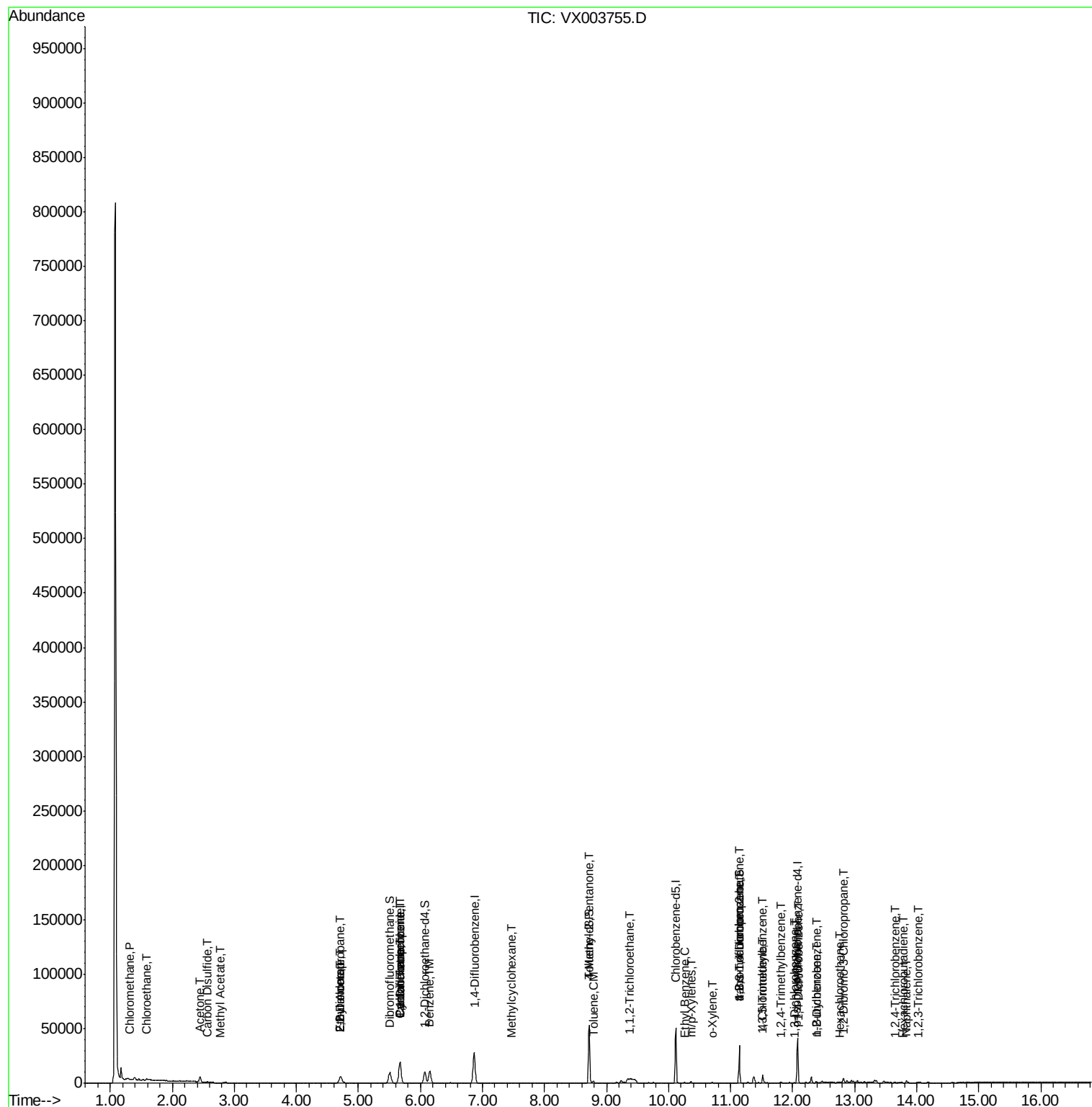
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	93	0.70	ug/l #	19
95) Naphthalene	13.84	128	1169	2.63	ug/l	95
96) 1,2,3-Trichlorobenzene	14.02	180	158	0.84	ug/l #	75

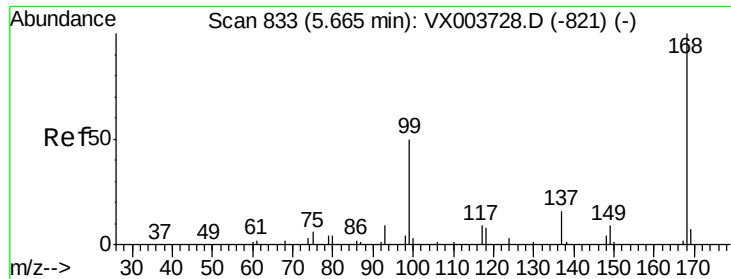
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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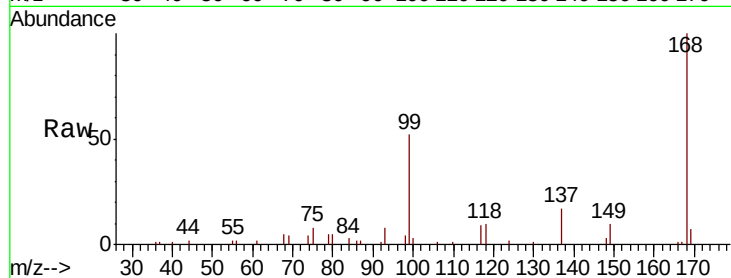




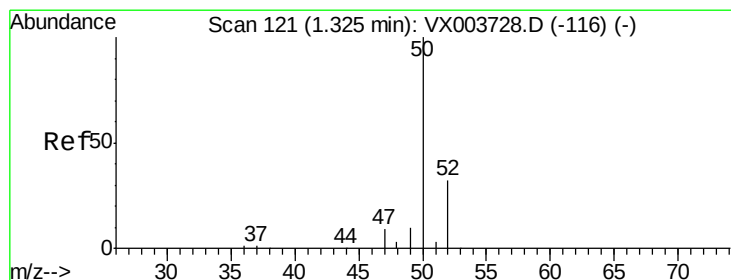
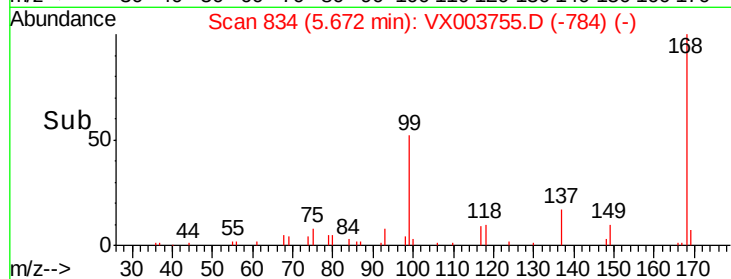
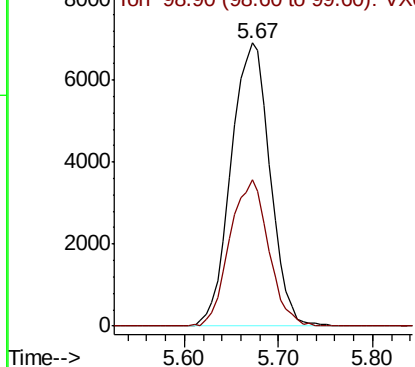
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003755.D
Acq: 31 Jul 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
GW-03(8-10)

Tot Ion:168 Resp: 19790
Ion Ratio Lower Upper
168 100
99 51.6 40.2 60.2

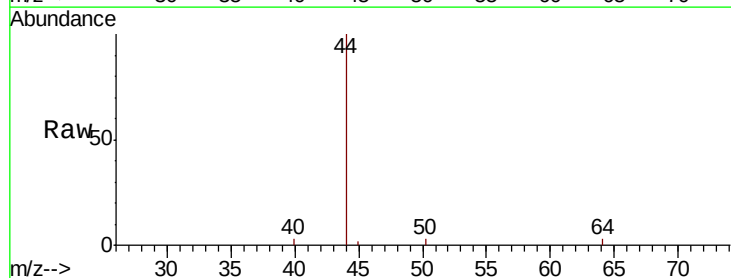


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

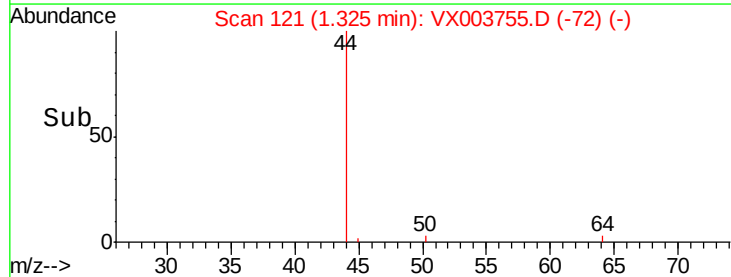
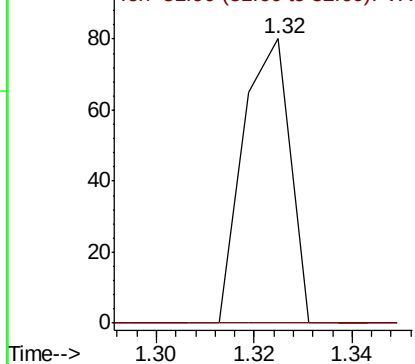


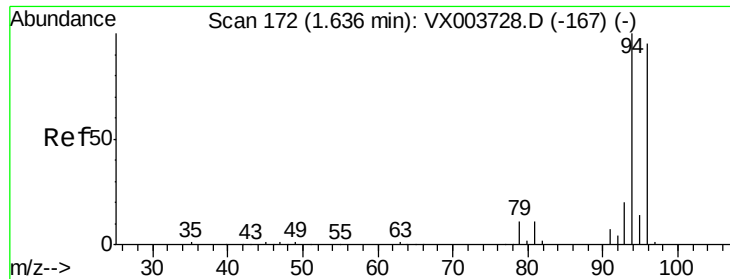
#3
Chloromethane
Concen: 0.25 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003755.D
Acq: 31 Jul 2018 17:25

Tgt Ion: 50 Resp: 53
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

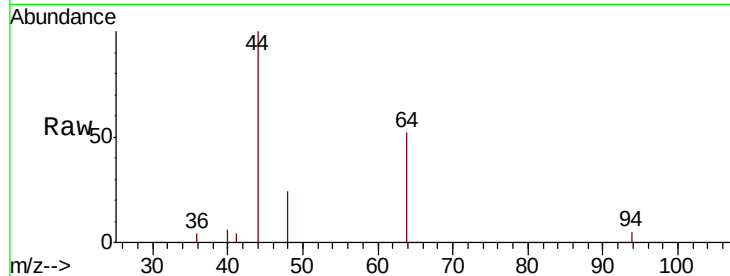
GW-03(8-10)

Tot Ion: 94 Resp: 47

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#

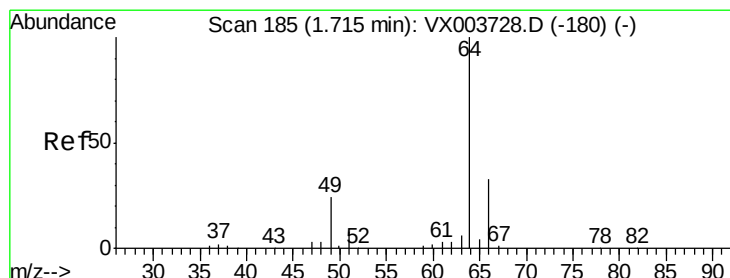
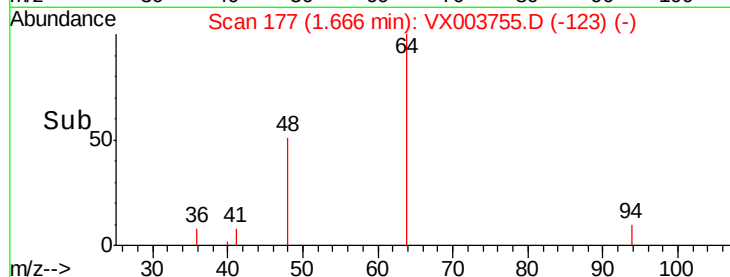


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

Time-->



#6

Chloroethane

Concen: 0.68 ug/l

RT: 1.58 min Scan# 163

Delta R.T. -0.13 min

Lab File: VX003755.D

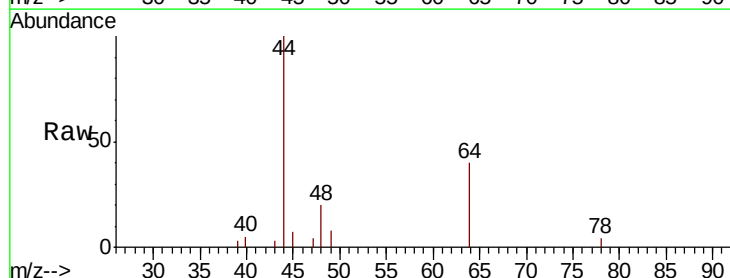
Acq: 31 Jul 2018 17:25

Tgt Ion: 64 Resp: 101

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#

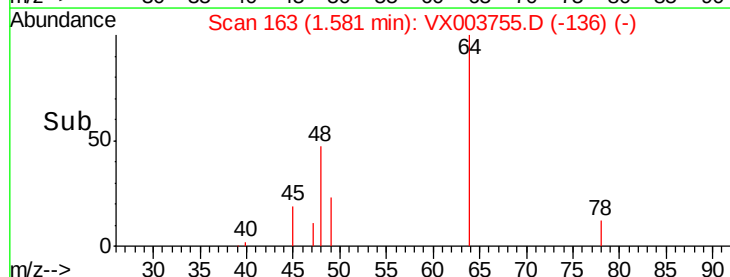


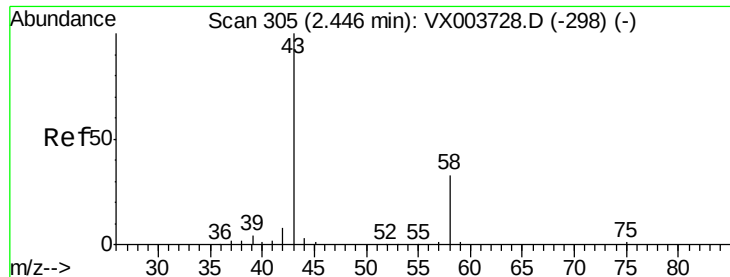
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.58

Time-->





#16

Acetone

Concen: 67.05 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

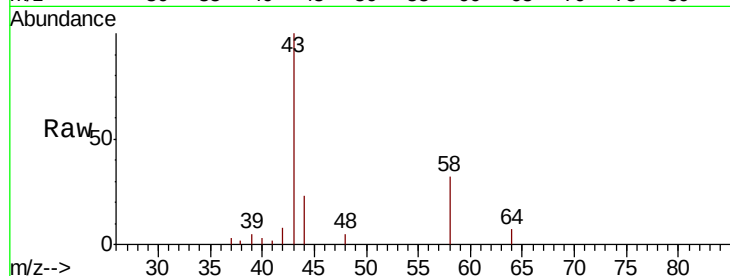
GW-03(8-10)

Tot Ion: 43 Resp: 5126

Ion Ratio Lower Upper

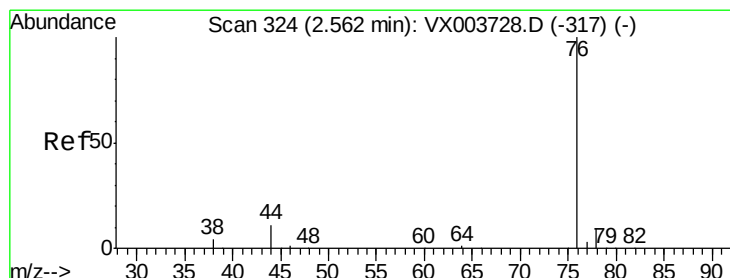
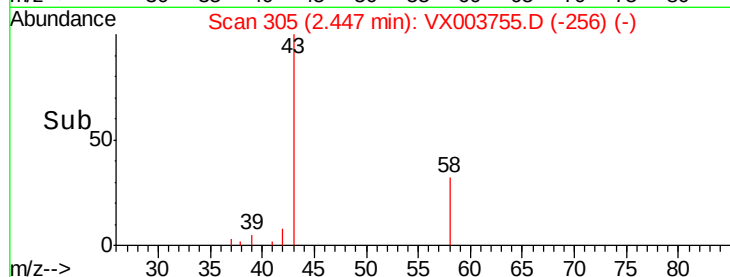
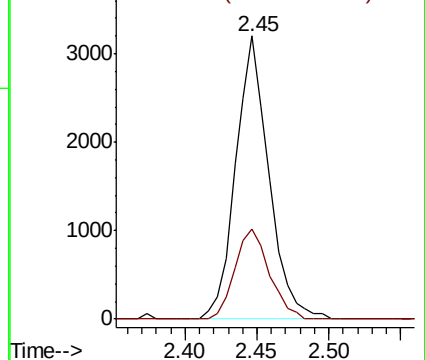
43 100

58 31.7 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.61 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003755.D

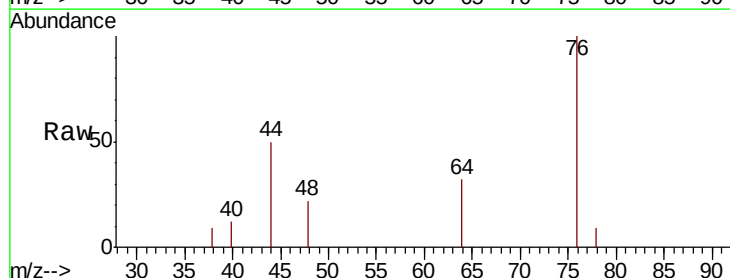
Acq: 31 Jul 2018 17:25

Tgt Ion: 76 Resp: 927

Ion Ratio Lower Upper

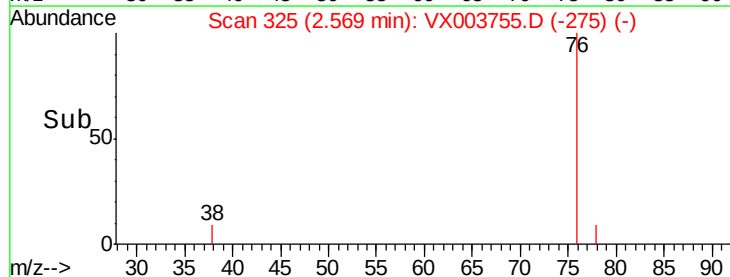
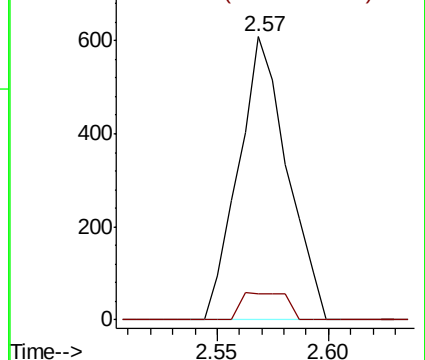
76 100

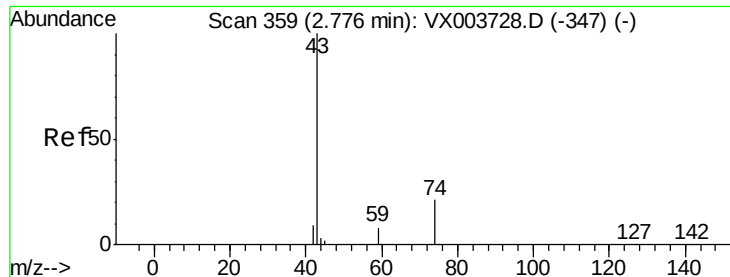
78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

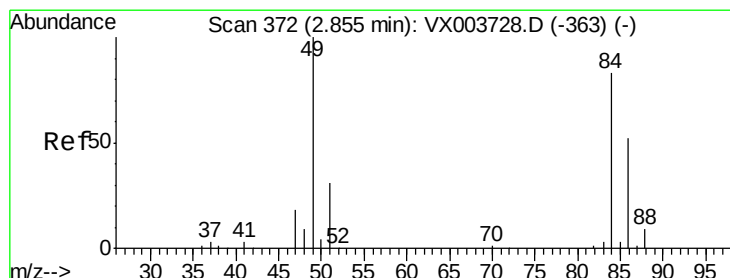
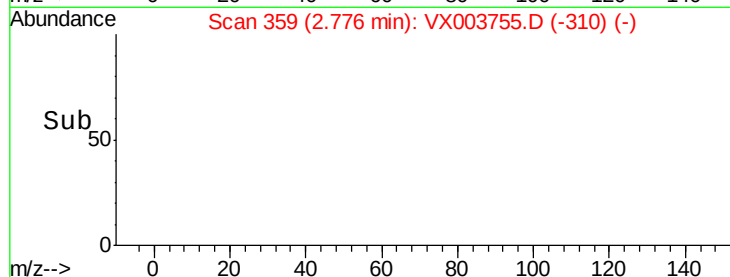
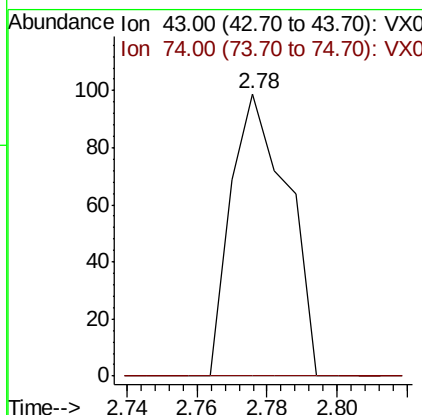
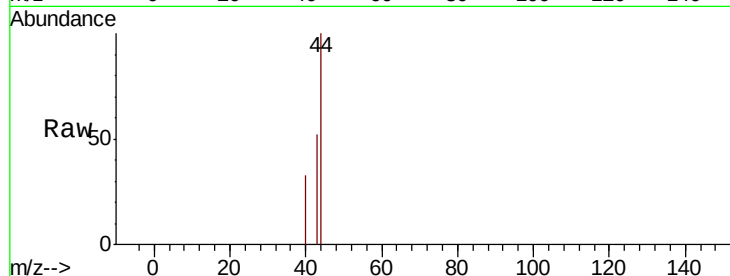




#18
Methyl Acetate
Concen: 0.52 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX003755.D
Acq: 31 Jul 2018 17:25

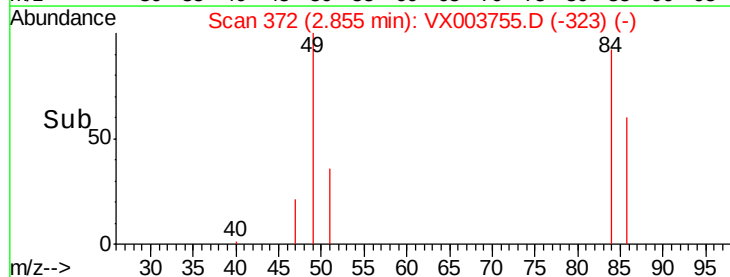
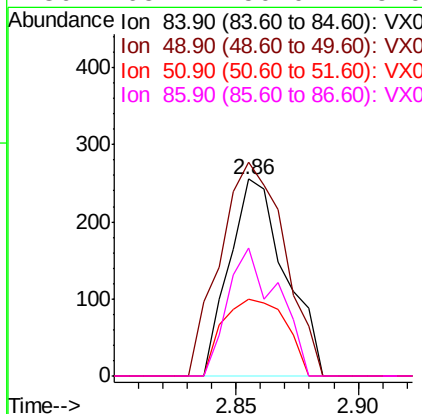
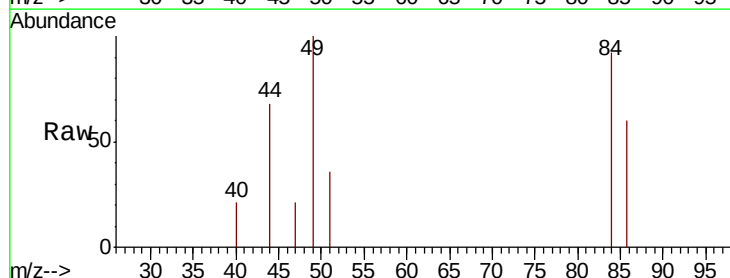
Instrument :
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GW-03(8-10)

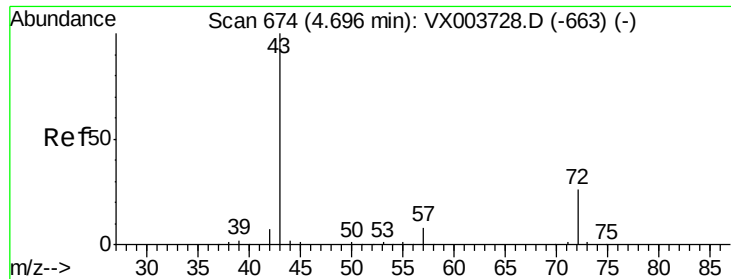
Tot Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003755.D
Acq: 31 Jul 2018 17:25

Tgt Ion: 84 Resp: 405
Ion Ratio Lower Upper
84 100
49 108.6 95.8 143.8
51 38.8 29.6 44.4
86 65.1 50.0 75.0

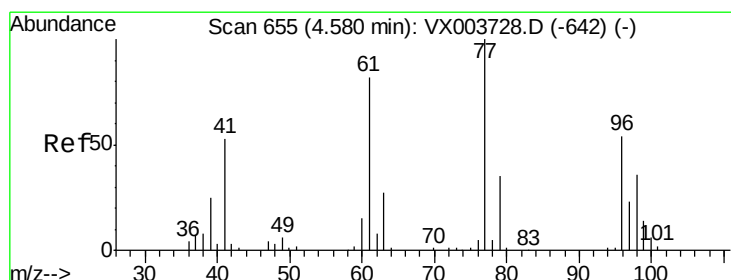
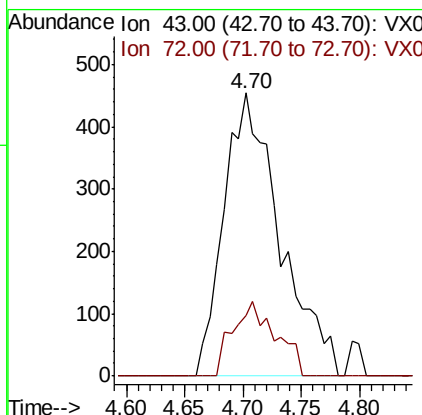
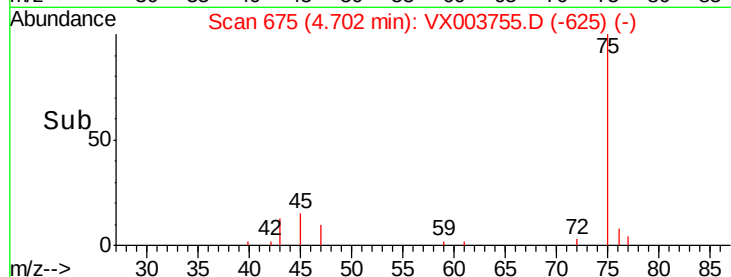
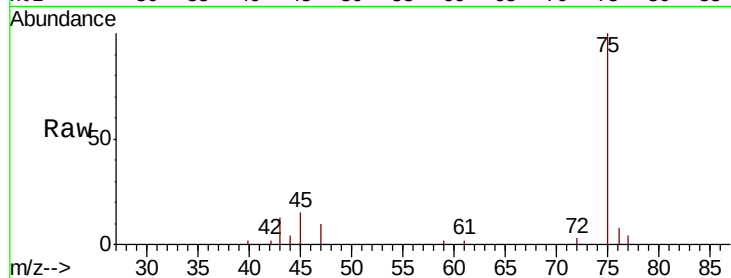




#25
 2-Butanone
 Concen: 13.65 ug/l
 RT: 4.70 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VX003755.D
 Acq: 31 Jul 2018 17:25

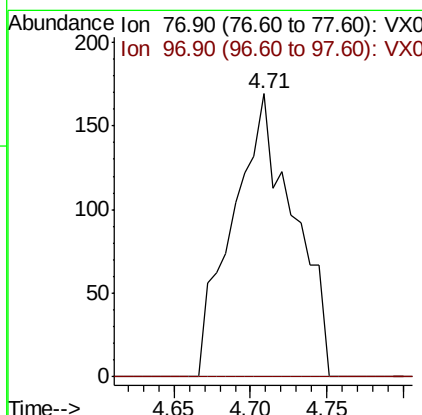
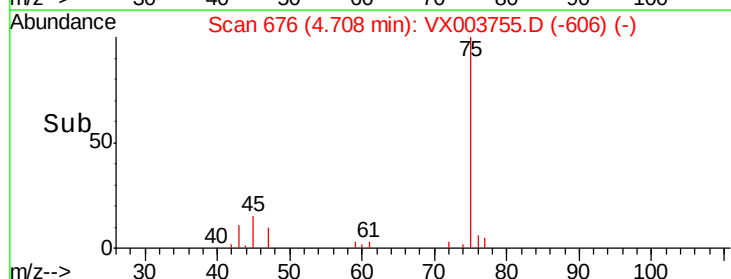
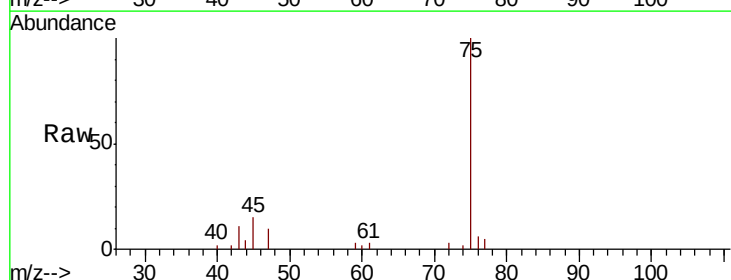
Instrument :
 MSVOA_X
 ClientSampled :
 GW-03(8-10)

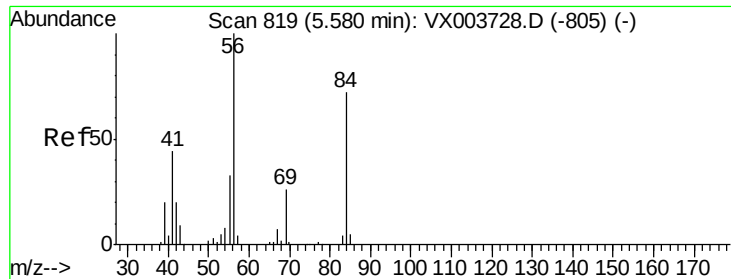
Tot Ion: 43 Resp: 1521
 Ion Ratio Lower Upper
 43 100
 72 21.6 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 1.80 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. 0.13 min
 Lab File: VX003755.D
 Acq: 31 Jul 2018 17:25

Tgt Ion: 77 Resp: 467
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#

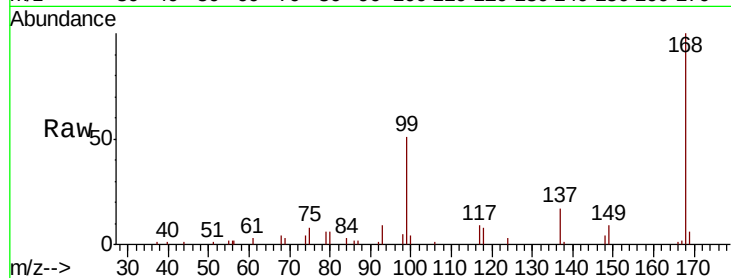




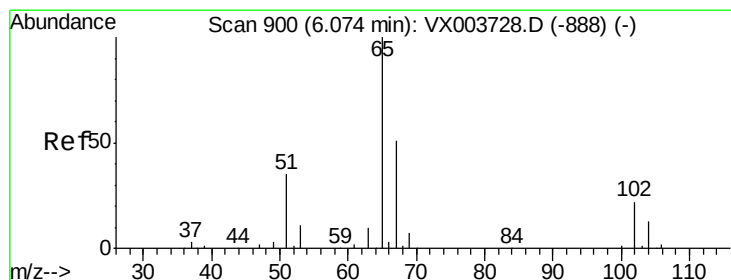
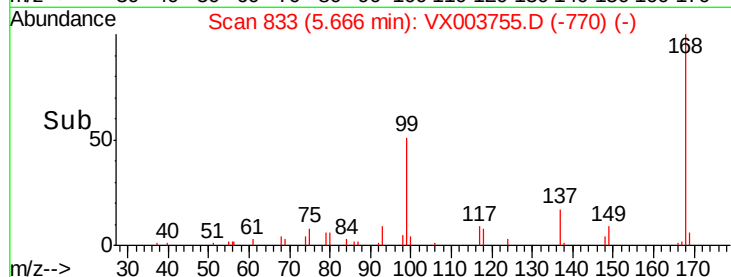
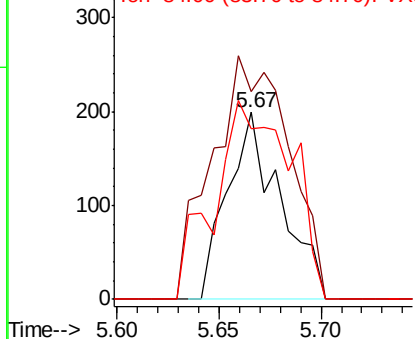
#31
Cyclohexane
Concen: 1.12 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003755.D
Acq: 31 Jul 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
GW-03(8-10)

Tot Ion: 56 Resp: 356
Ion Ratio Lower Upper
56 100
69 111.1 20.6 30.8#
84 91.5 57.9 86.9#

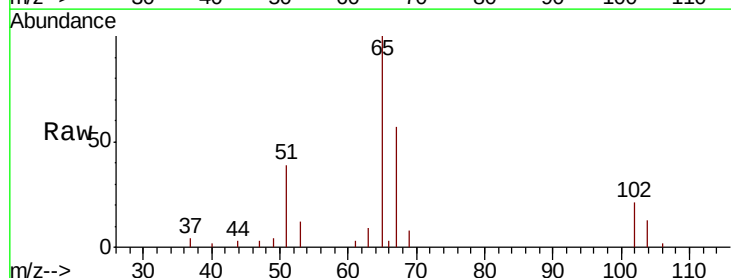


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

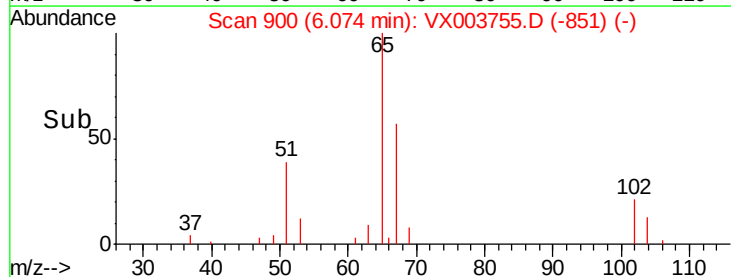
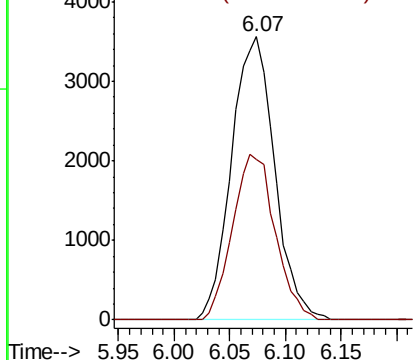


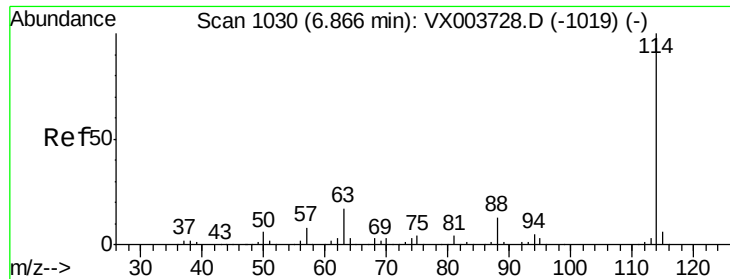
#33
1,2-Dichloroethane-d4
Concen: 47.81 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX003755.D
Acq: 31 Jul 2018 17:25

Tgt Ion: 65 Resp: 9570
Ion Ratio Lower Upper
65 100
67 57.6 0.0 107.0



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: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

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ClientSampleId :

GW-03(8-10)

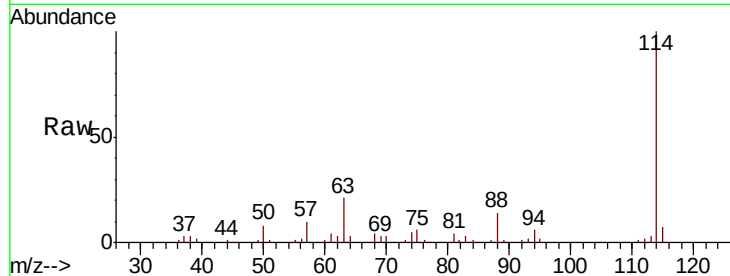
Tot Ion:114 Resp: 27656

Ion Ratio Lower Upper

114 100

63 20.8 0.0 34.0

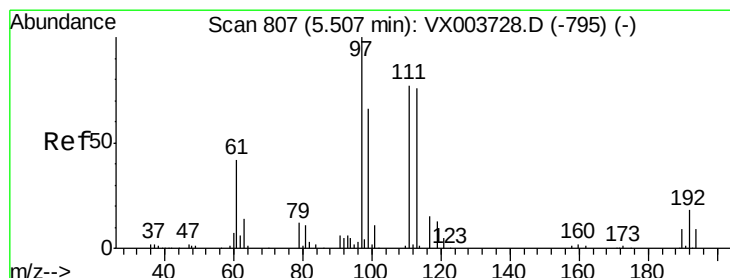
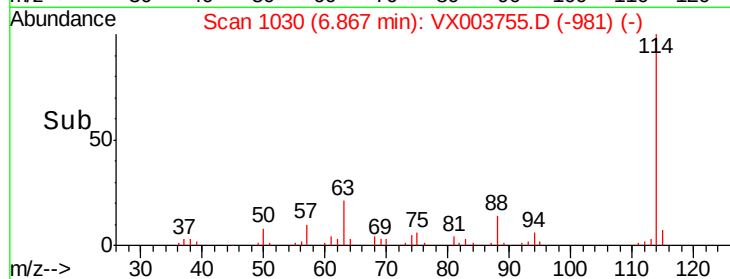
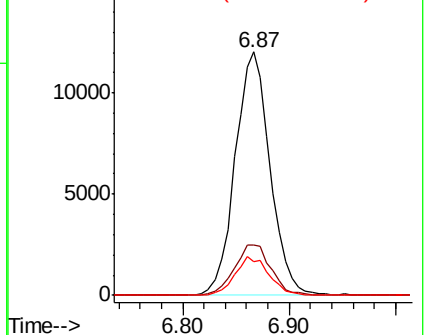
88 14.0 0.0 26.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.27 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

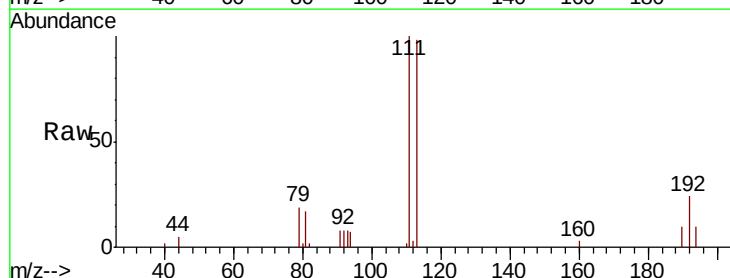
Tgt Ion:113 Resp: 8674

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

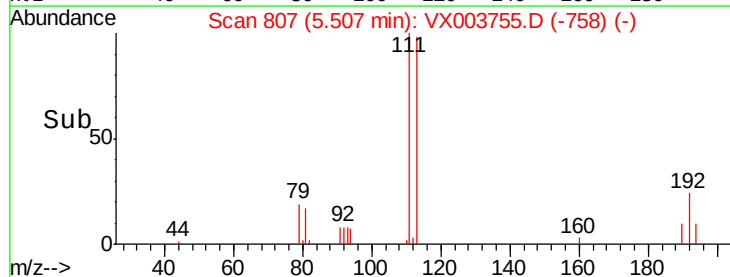
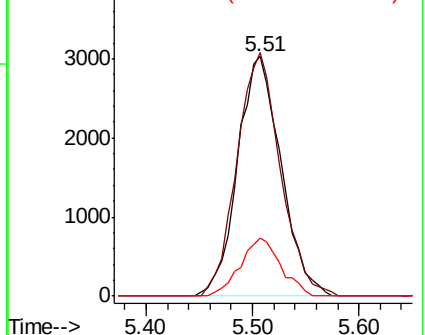
192 22.4 18.8 28.2

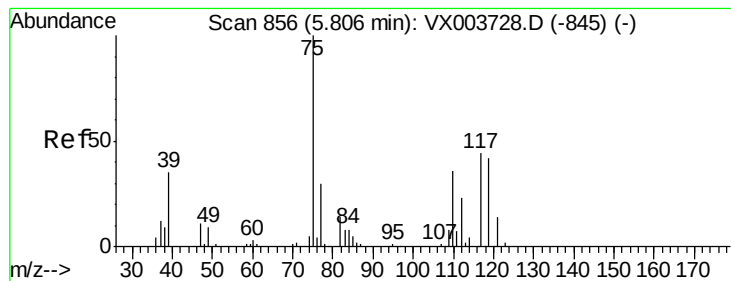


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.32 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

GW-03(8-10)

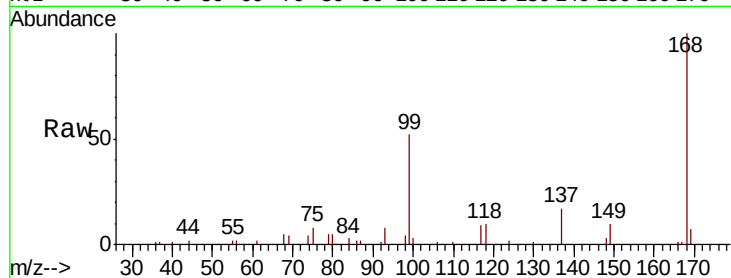
Tot Ion: 75 Resp: 1378

Ion Ratio Lower Upper

75 100

110 1.4 18.3 54.8#

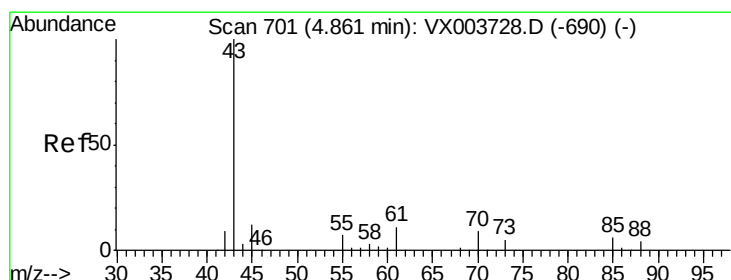
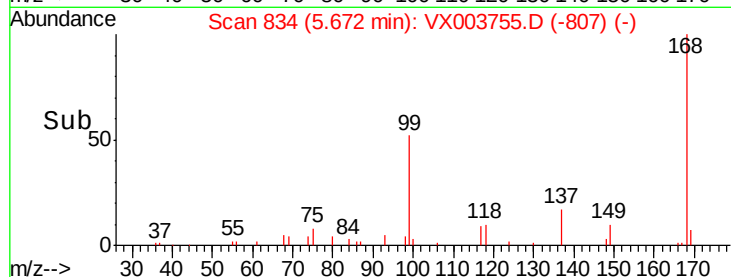
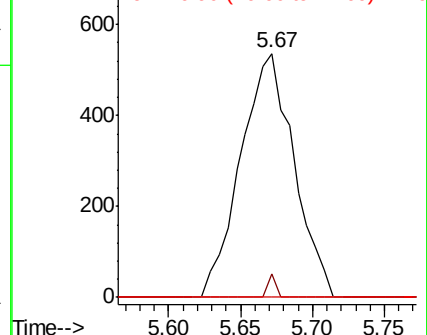
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 7.65 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.16 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

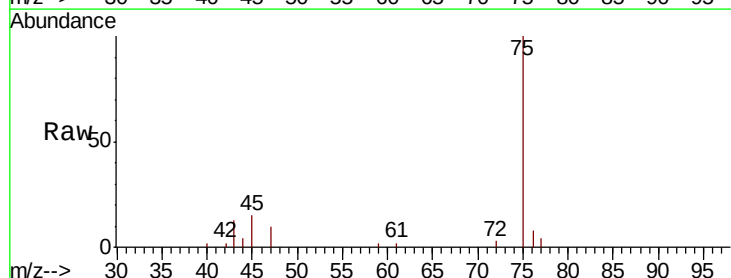
Tgt Ion: 43 Resp: 1521

Ion Ratio Lower Upper

43 100

61 16.8 11.4 17.0

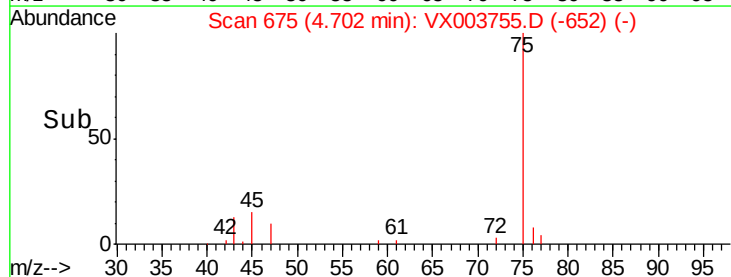
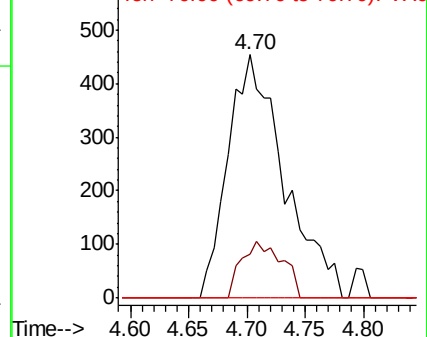
70 0.0 8.2 12.2#

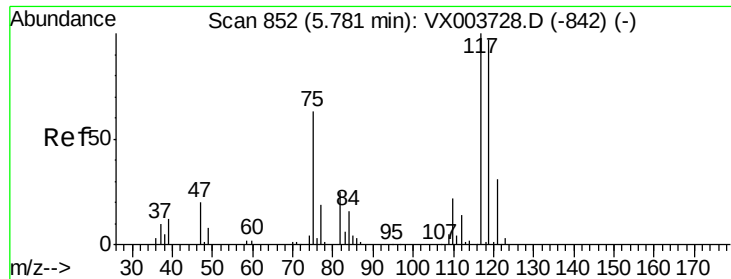


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 7.83 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

GW-03(8-10)

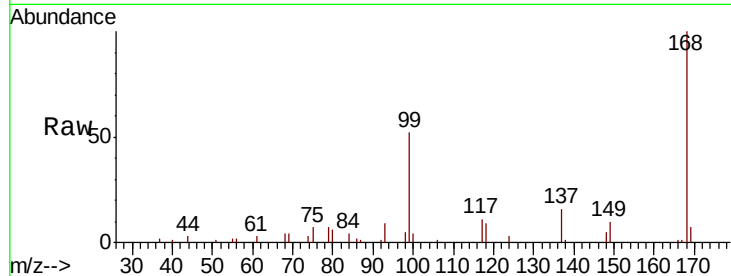
Tot Ion:117 Resp: 1875

Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

121 0.0 25.0 37.4#



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

5.66

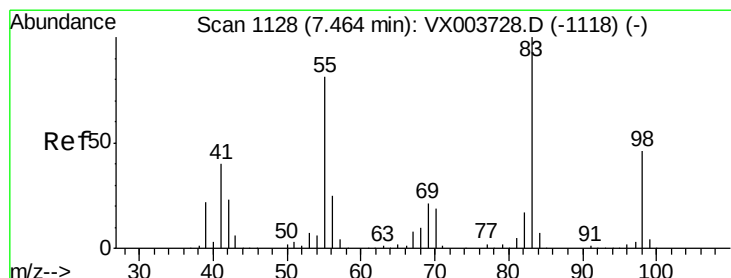
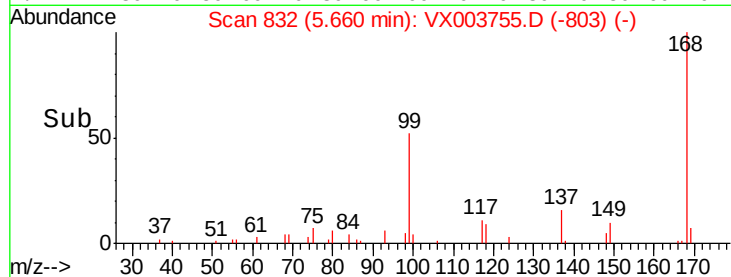
600

400

200

0

Time-->



#39

Methylcyclohexane

Concen: 0.23 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

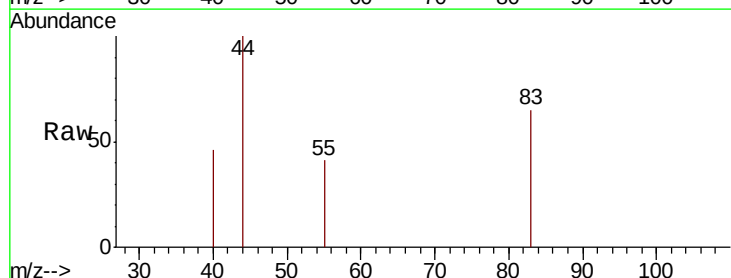
Tgt Ion: 83 Resp: 72

Ion Ratio Lower Upper

83 100

55 63.7 65.0 97.6#

98 0.0 37.1 55.7#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.47

80

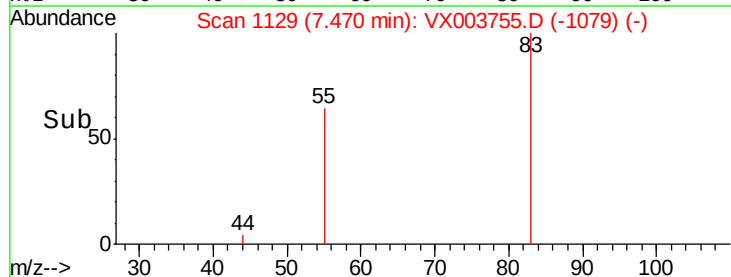
60

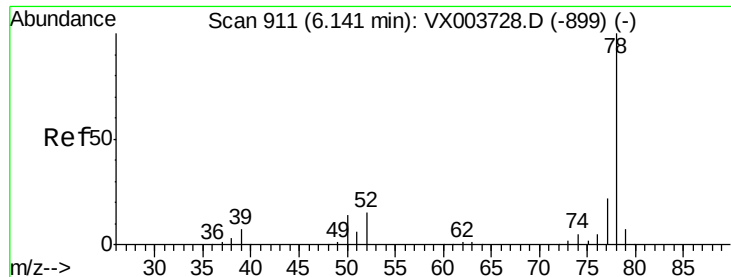
40

20

0

Time-->





#40

Benzene

Concen: 17.73 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampled :

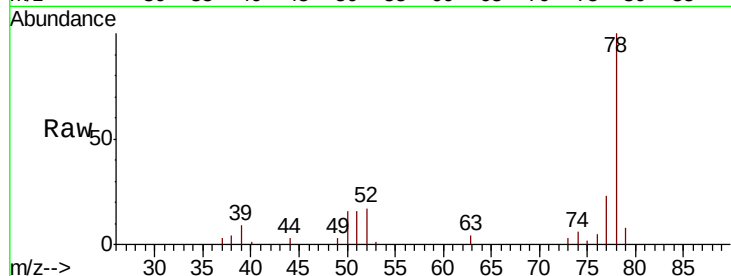
GW-03(8-10)

Tot Ion: 78 Resp: 13159

Ion Ratio Lower Upper

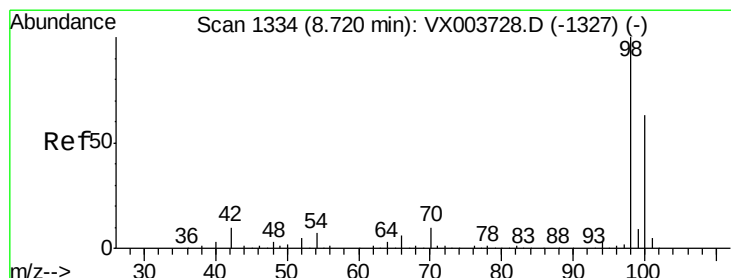
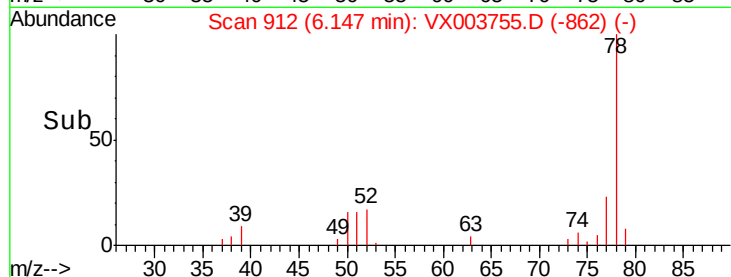
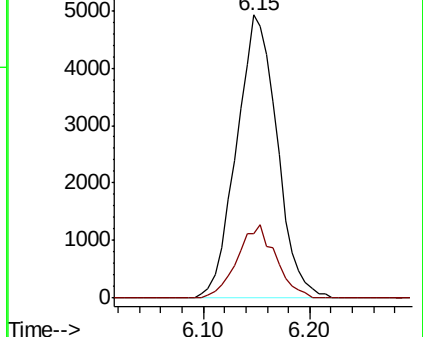
78 100

77 22.6 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 46.72 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003755.D

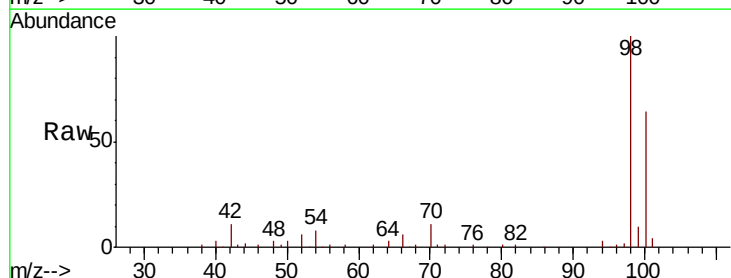
Acq: 31 Jul 2018 17:25

Tgt Ion: 98 Resp: 31721

Ion Ratio Lower Upper

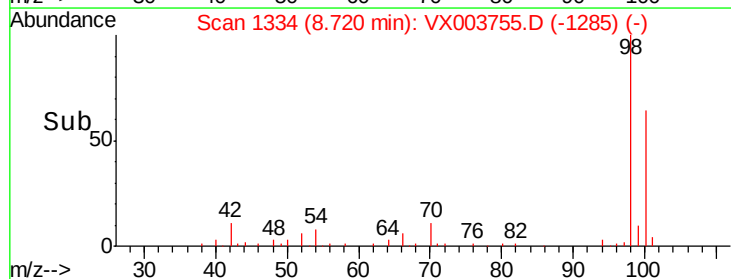
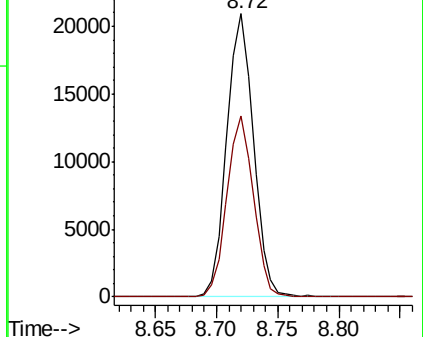
98 100

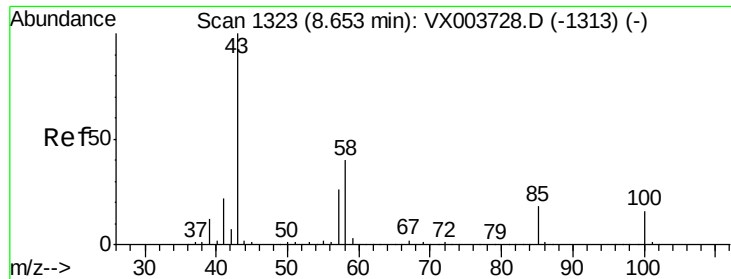
100 63.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.83 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

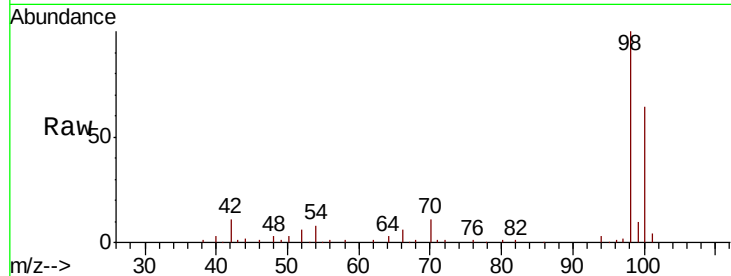
GW-03(8-10)

Tot Ion: 43 Resp: 161

Ion Ratio Lower Upper

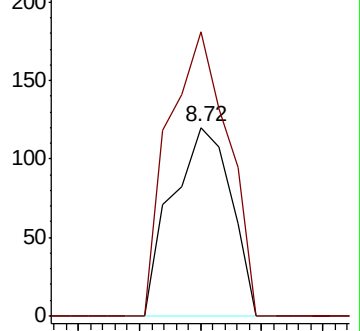
43 100

58 151.6 32.1 48.1#

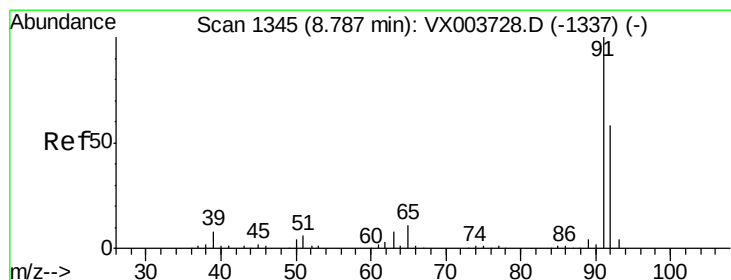
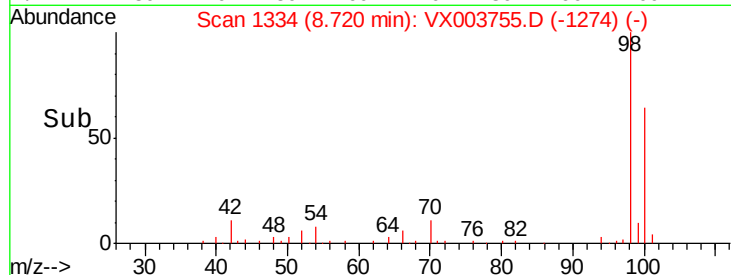


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 1.60 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003755.D

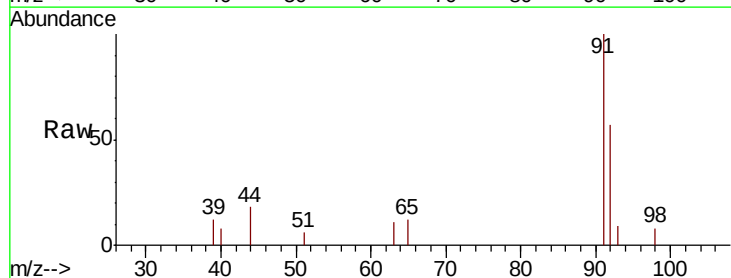
Acq: 31 Jul 2018 17:25

Tgt Ion: 92 Resp: 743

Ion Ratio Lower Upper

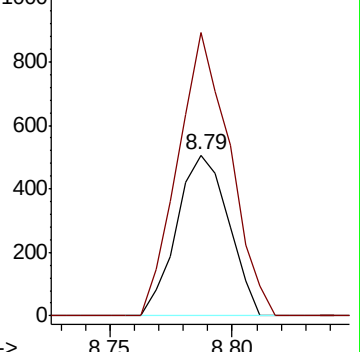
92 100

91 177.0 139.4 209.2

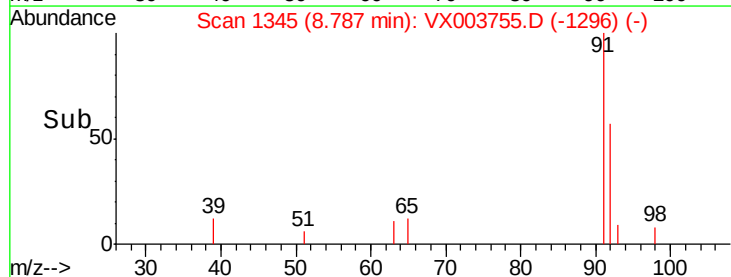


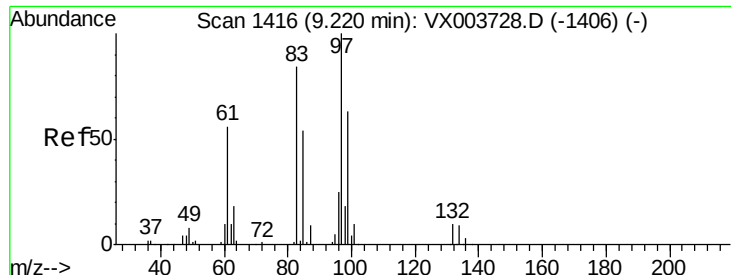
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->

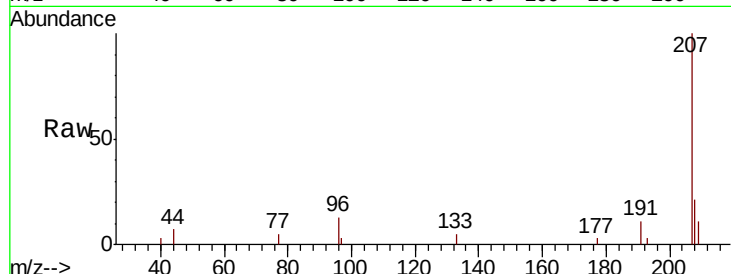




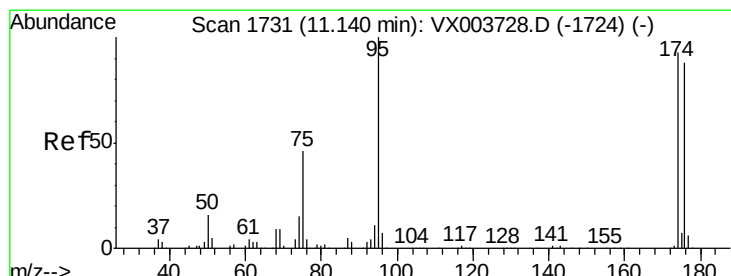
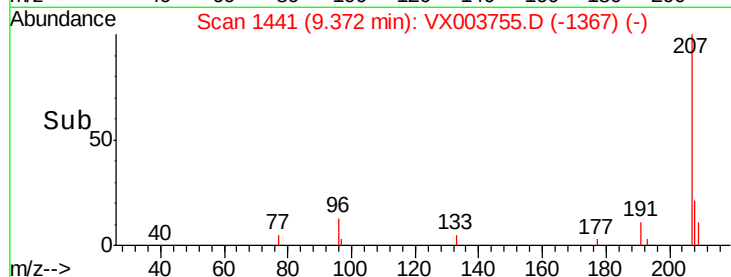
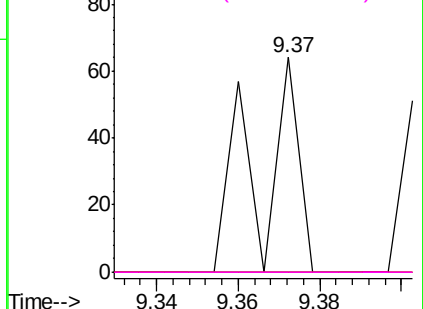
#55
 1,1,2-Trichloroethane
 Concen: 0.28 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.15 min
 Lab File: VX003755.D
 Acq: 31 Jul 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-03(8-10)

Tot Ion: 97 Resp: 44
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.4 101.0#
 85 0.0 43.3 64.9#
 99 0.0 50.8 76.2#

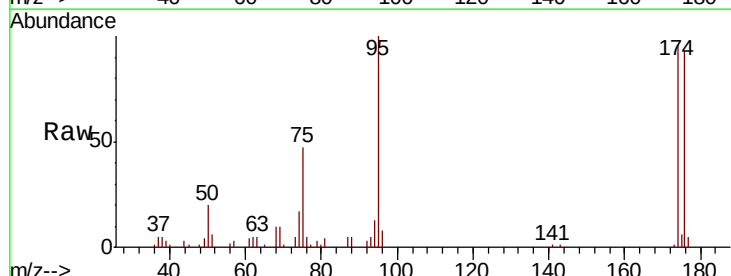


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

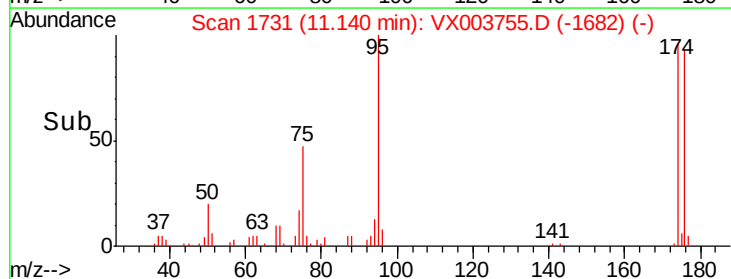
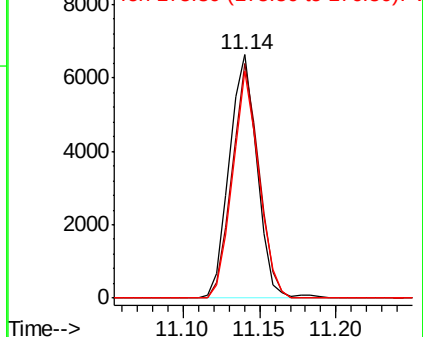


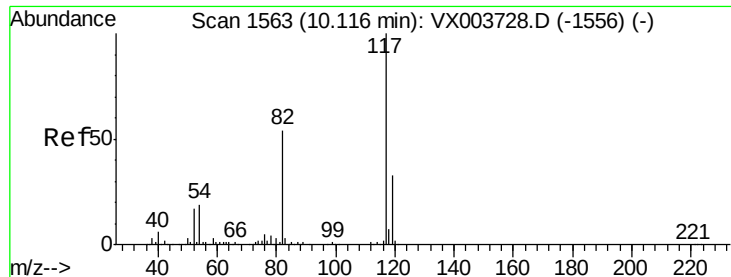
#62
 4-Bromofluorobenzene
 Concen: 33.27 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003755.D
 Acq: 31 Jul 2018 17:25

Tgt Ion: 95 Resp: 8329
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 186.2
 176 88.5 0.0 179.2



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

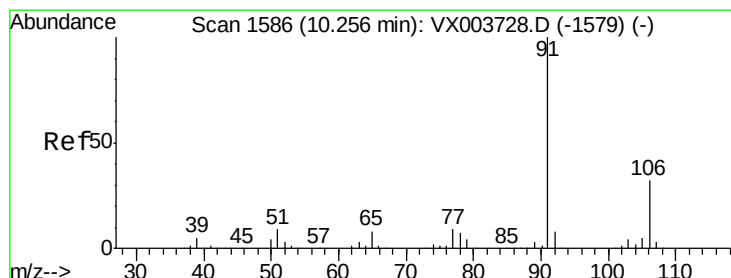
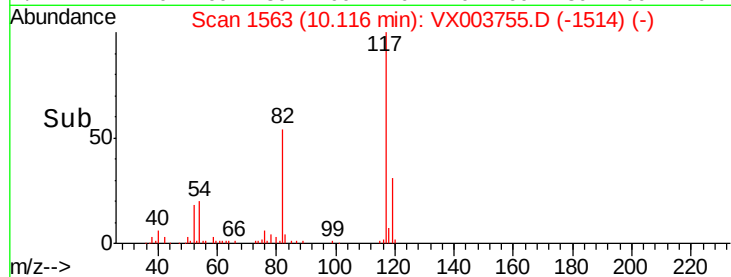
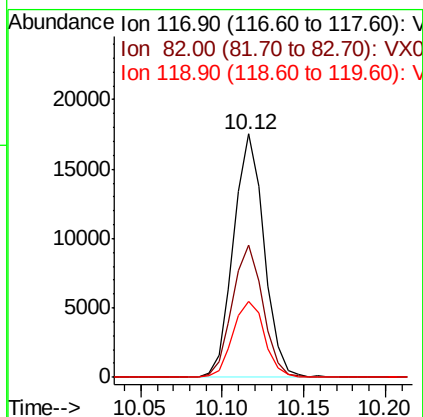
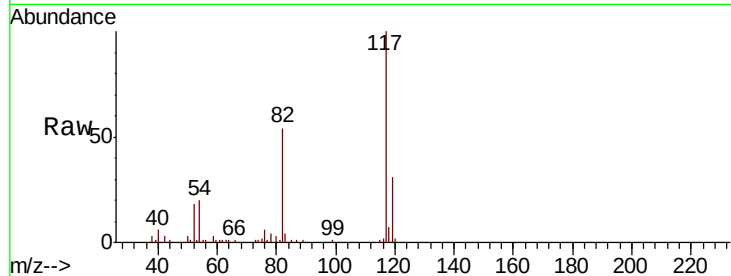




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003755.D
Acq: 31 Jul 2018 17:25

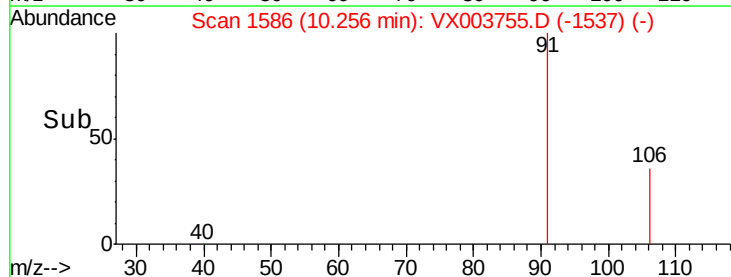
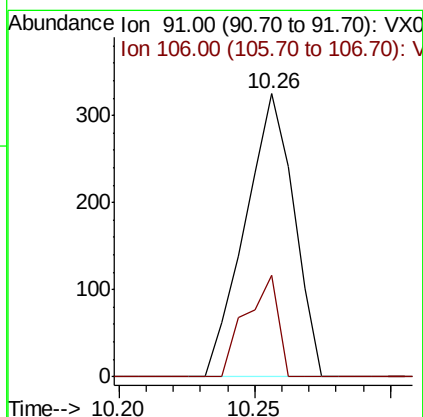
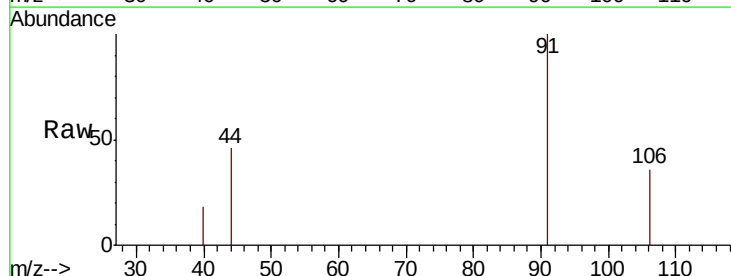
Instrument :
MSVOA_X
ClientSampleId :
GW-03(8-10)

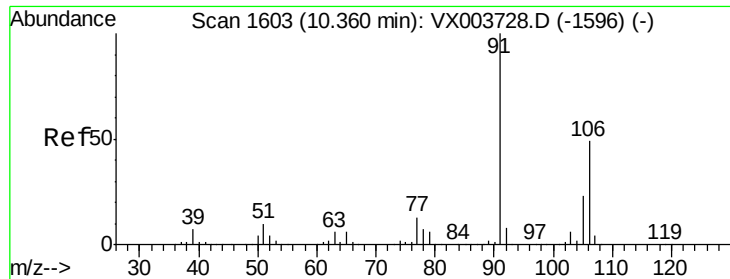
Tot Ion:117 Resp: 22926
Ion Ratio Lower Upper
117 100
82 54.1 43.2 64.8
119 31.2 26.3 39.5



#67
Ethyl Benzene
Concen: 0.50 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003755.D
Acq: 31 Jul 2018 17:25

Tgt Ion: 91 Resp: 403
Ion Ratio Lower Upper
91 100
106 35.7 25.4 38.2

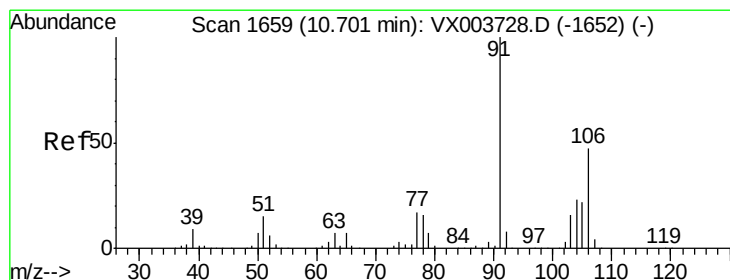
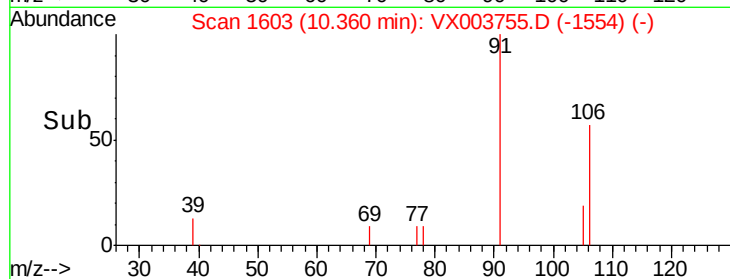
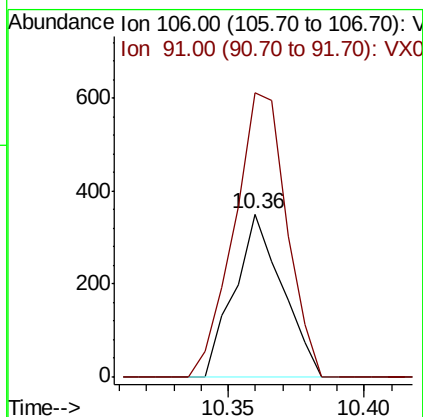
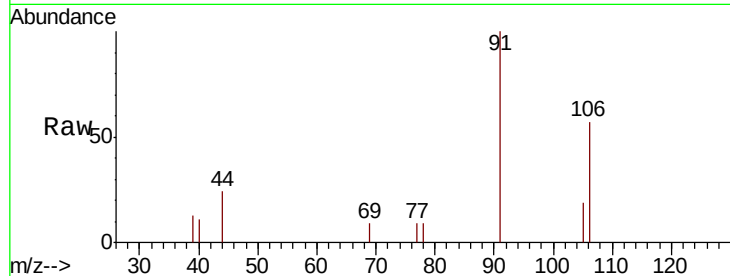




#68
m/p-Xylenes
Concen: 1.34 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003755.D
Acq: 31 Jul 2018 17:25

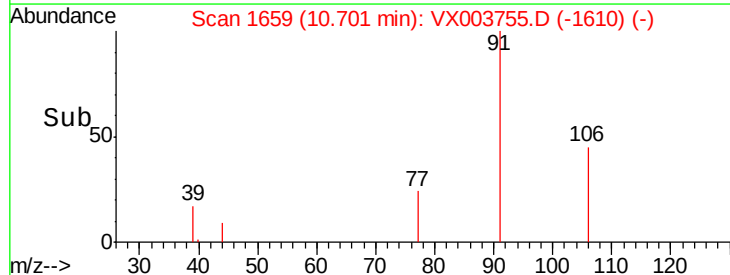
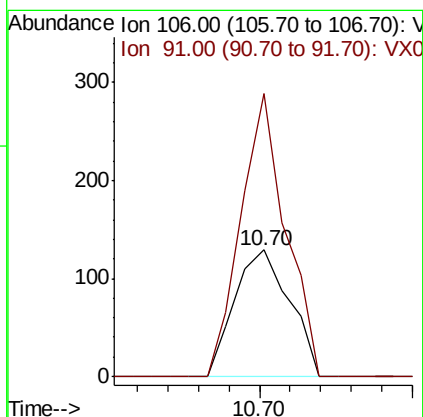
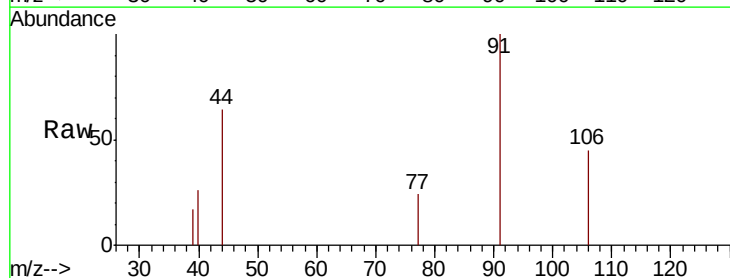
Instrument :
MSVOA_X
ClientSampled :
GW-03(8-10)

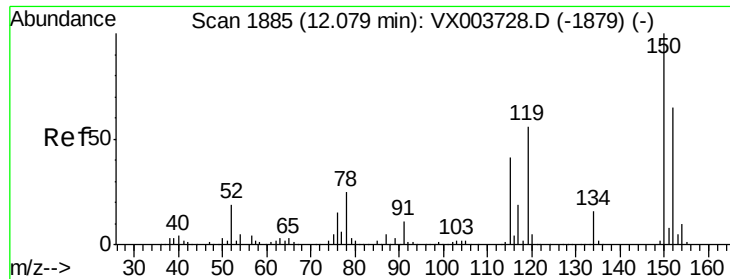
Tot Ion:106 Resp: 425
Ion Ratio Lower Upper
106 100
91 192.2 159.8 239.8



#69
o-Xylene
Concen: 0.55 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003755.D
Acq: 31 Jul 2018 17:25

Tgt Ion:106 Resp: 161
Ion Ratio Lower Upper
106 100
91 182.6 105.6 316.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampled :

GW-03(8-10)

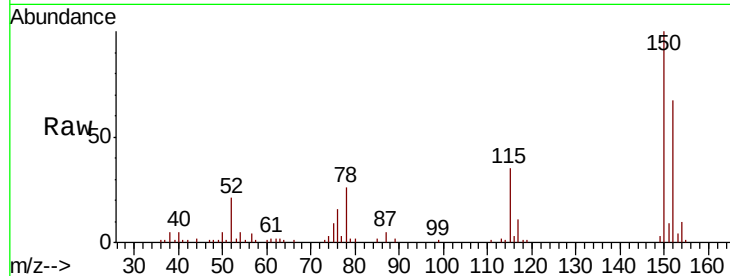
Tot Ion:152 Resp: 8518

Ion Ratio Lower Upper

152 100

115 54.5 38.5 115.3

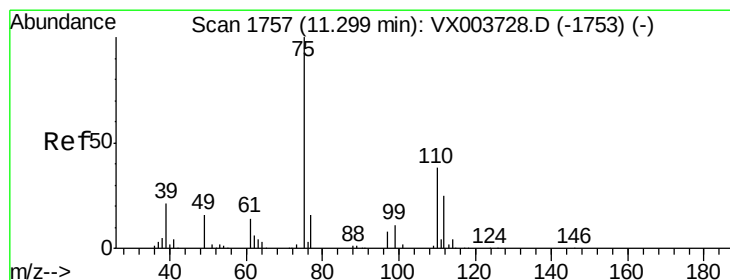
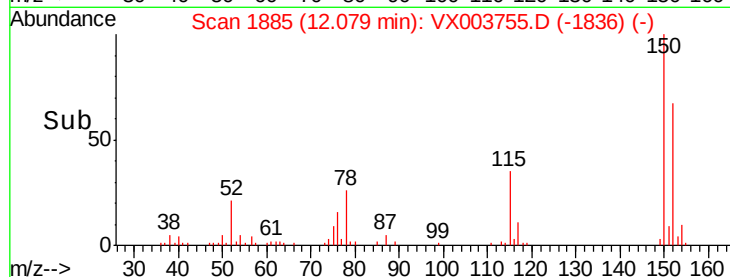
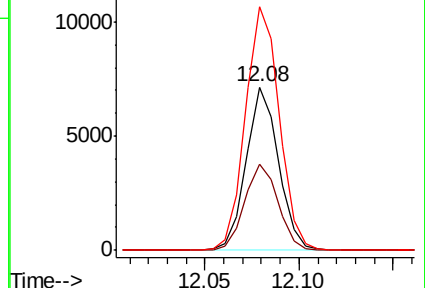
150 155.9 0.0 346.2



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: 34.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003755.D

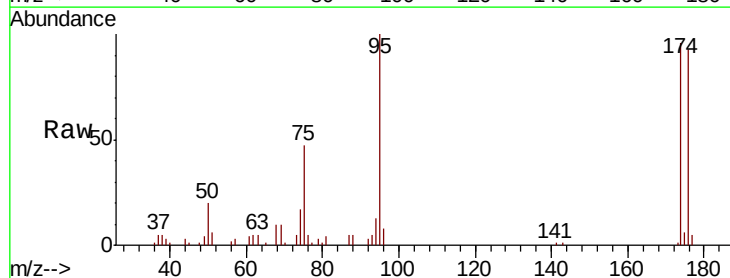
Acq: 31 Jul 2018 17:25

Tgt Ion: 75 Resp: 4092

Ion Ratio Lower Upper

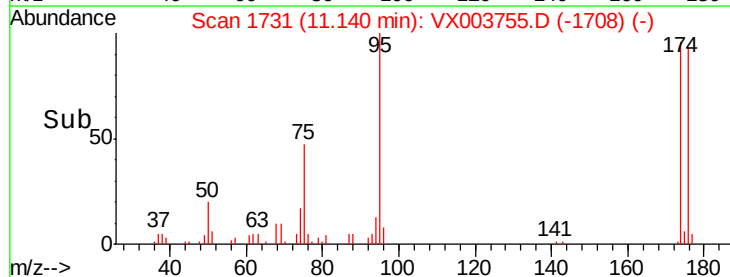
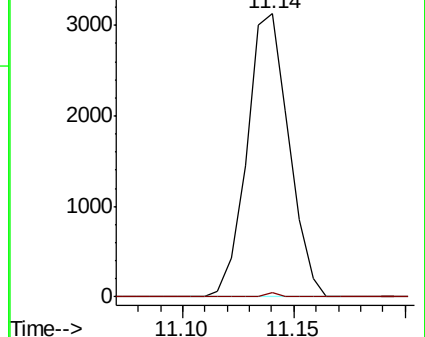
75 100

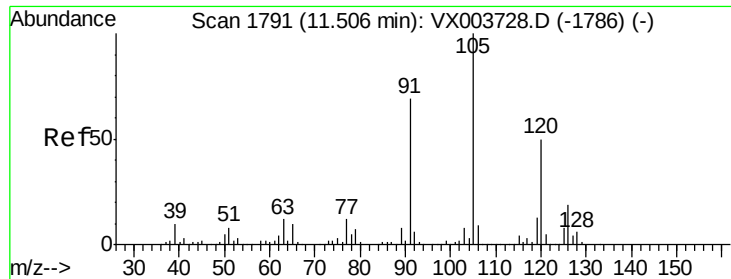
77 0.5 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

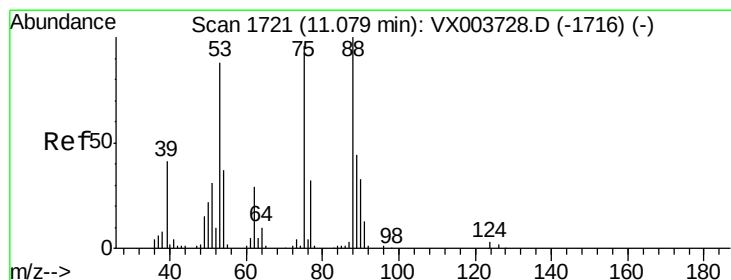
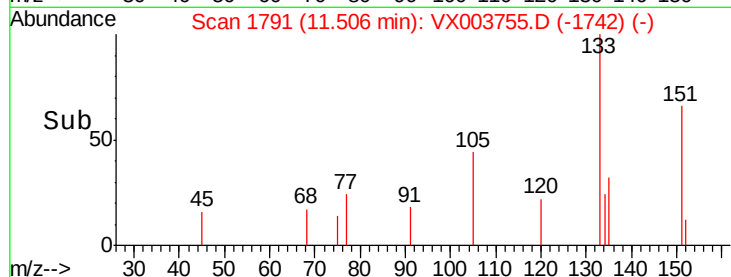
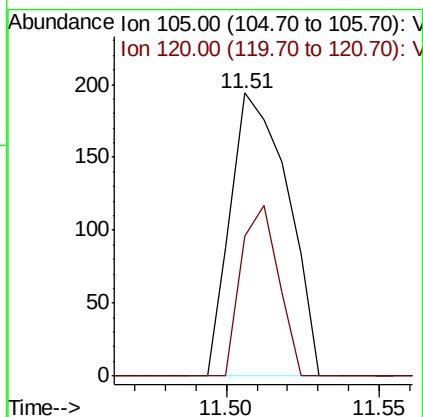
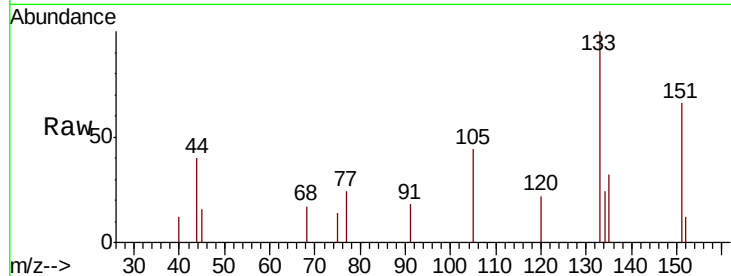




#80
 1,3,5-Trimethylbenzene
 Concen: 0.55 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003755.D
 Acq: 31 Jul 2018 17:25

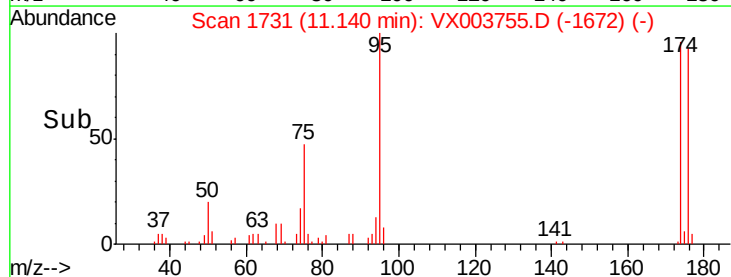
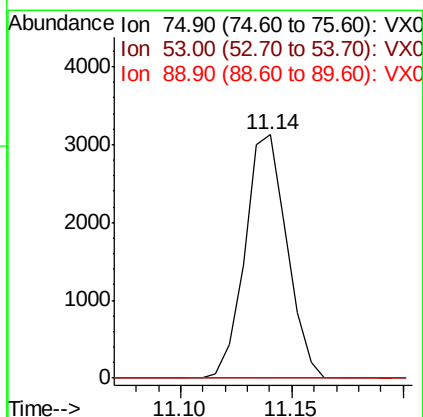
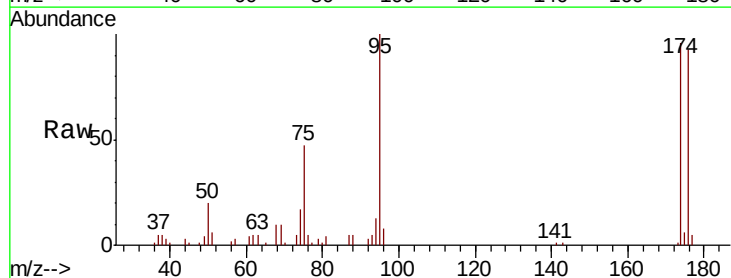
Instrument :
 MSVOA_X
 ClientSampled :
 GW-03(8-10)

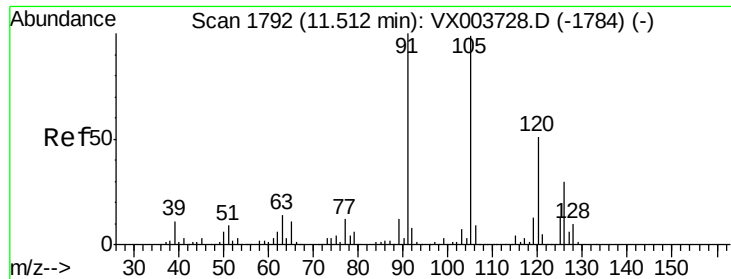
Tot Ion:105 Resp: 252
 Ion Ratio Lower Upper
 105 100
 120 39.3 15.8 47.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.23 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003755.D
 Acq: 31 Jul 2018 17:25

Tgt Ion: 75 Resp: 4092
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 39.1 58.7#





#82

4-Chlorotoluene

Concen: 0.39 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

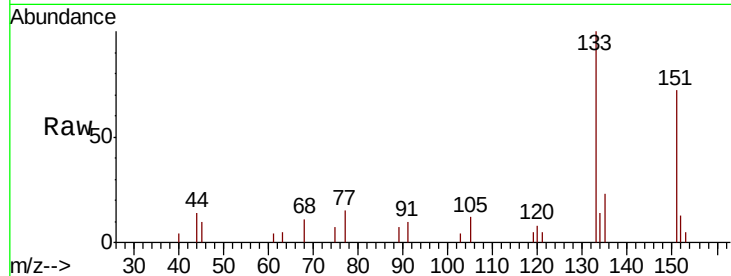
GW-03(8-10)

Tot Ion: 91 Resp: 173

Ion Ratio Lower Upper

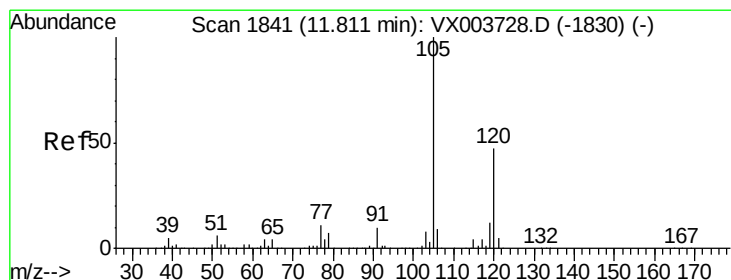
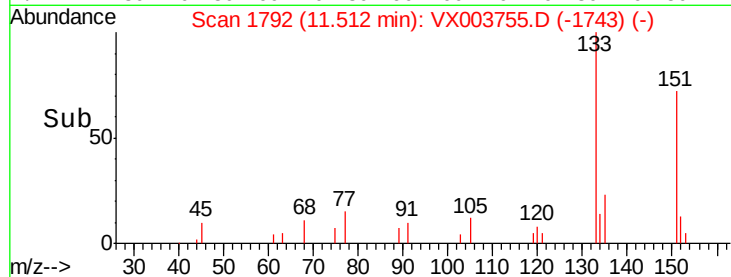
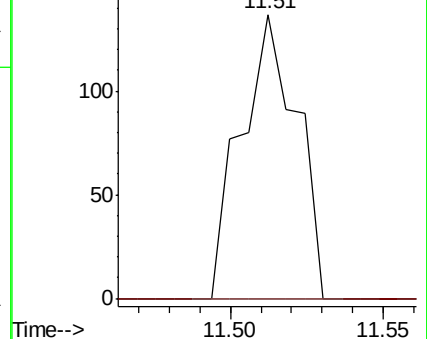
91 100

126 0.0 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#84

1,2,4-Trimethylbenzene

Concen: 0.98 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003755.D

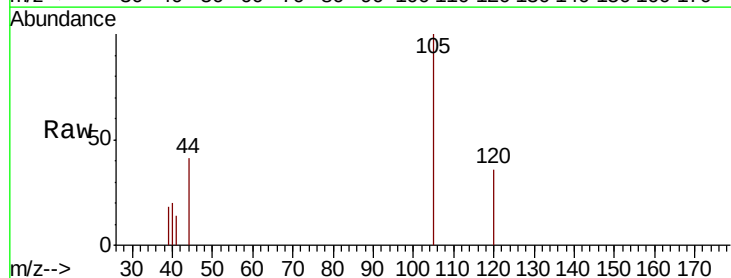
Acq: 31 Jul 2018 17:25

Tgt Ion:105 Resp: 459

Ion Ratio Lower Upper

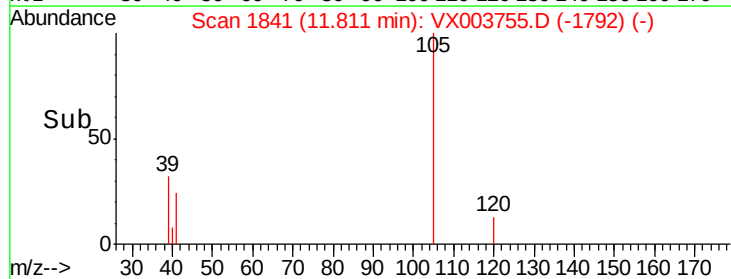
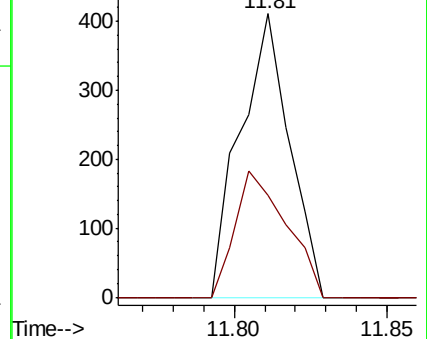
105 100

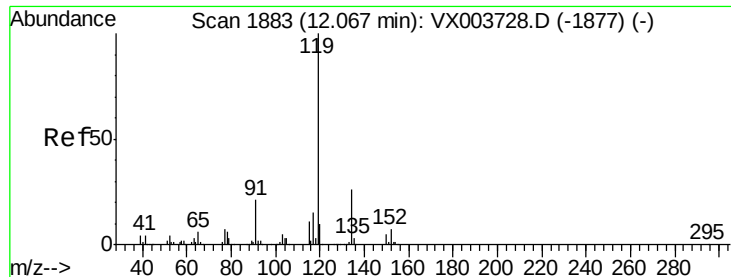
120 46.2 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#86

p-Isopropyltoluene

Concen: 0.25 ug/l

RT: 12.06 min Scan# 1882

Delta R.T. -0.01 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

GW-03(8-10)

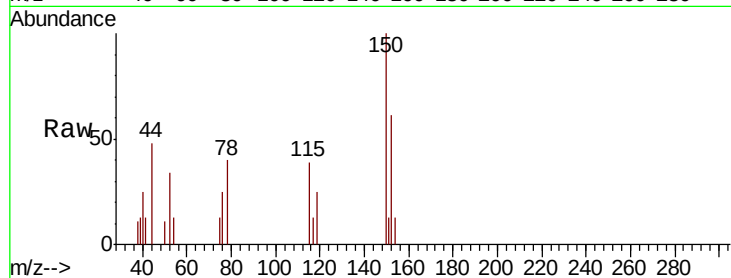
Tot Ion:119 Resp: 132

Ion Ratio Lower Upper

119 100

134 0.0 10.1 30.1#

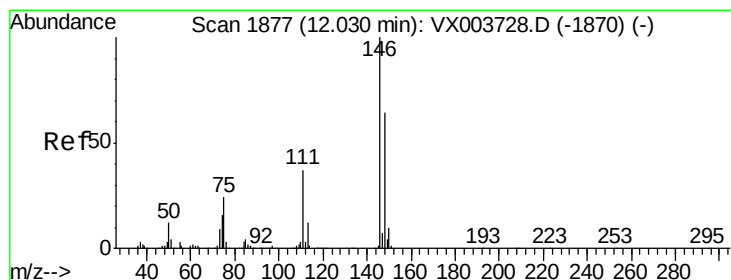
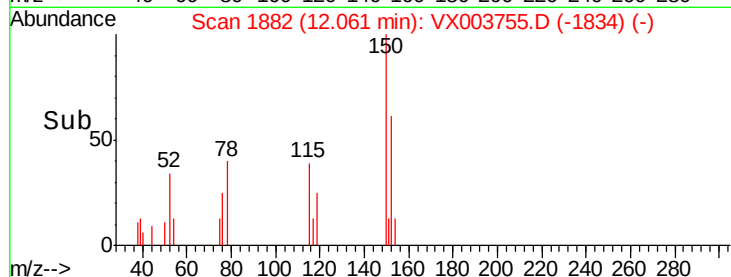
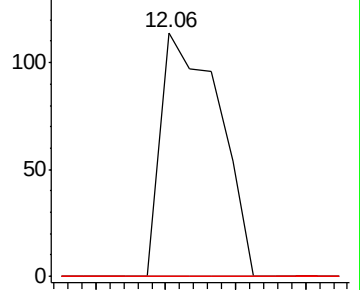
91 0.0 23.6 70.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 0.25 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

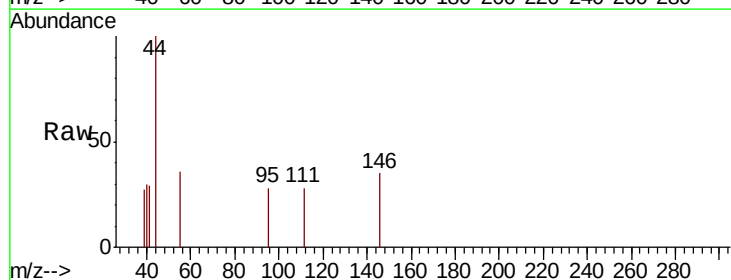
Tgt Ion:146 Resp: 71

Ion Ratio Lower Upper

146 100

111 57.7 18.8 56.3#

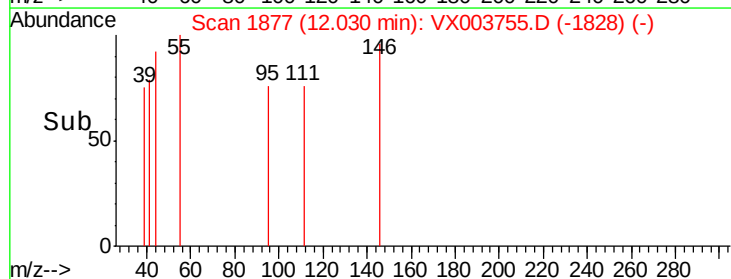
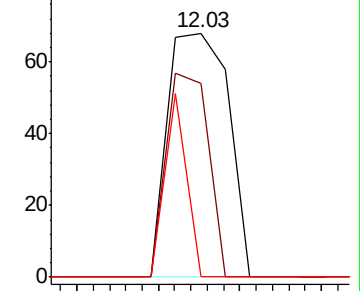
148 26.8 31.9 95.9#

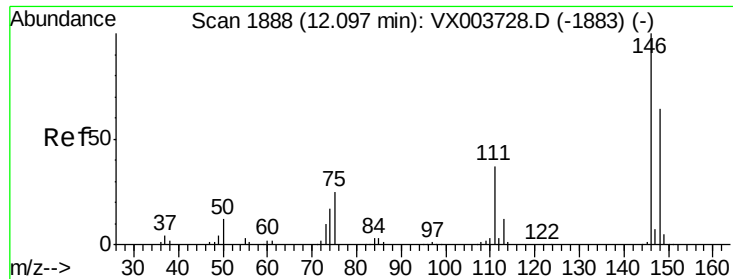


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

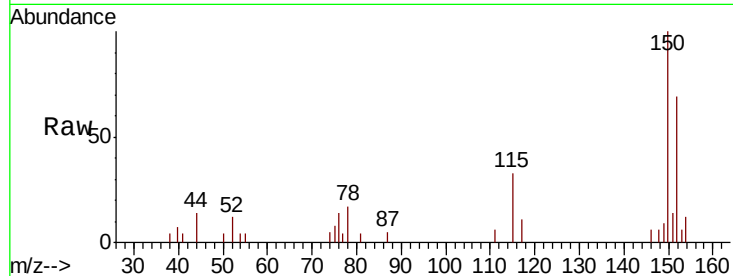




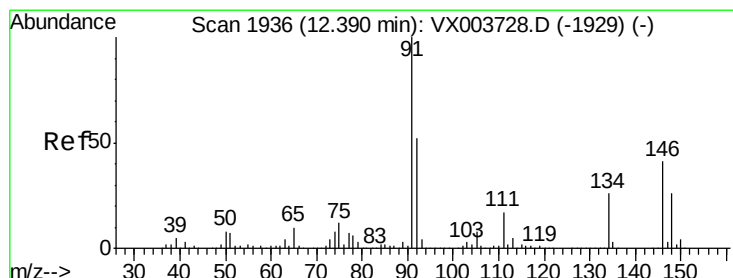
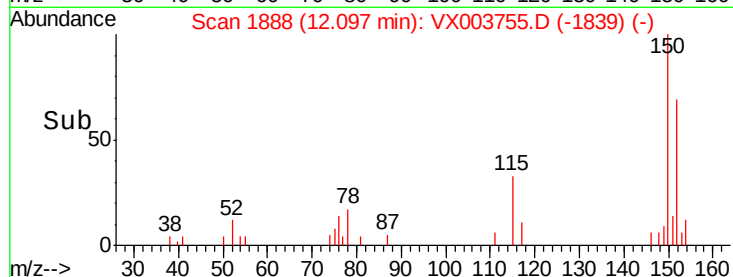
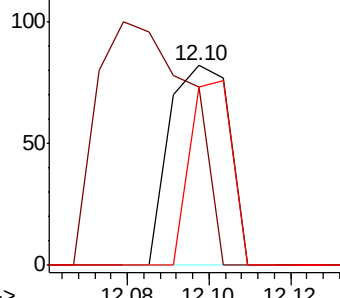
#88
 1,4-Dichlorobenzene
 Concen: 0.29 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003755.D
 Acq: 31 Jul 2018 17:25

Instrument :
 MSVOA_X
 ClientSampled :
 GW-03(8-10)

Tot Ion:146 Resp: 84
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.3 54.9#
 148 65.5 32.0 96.2

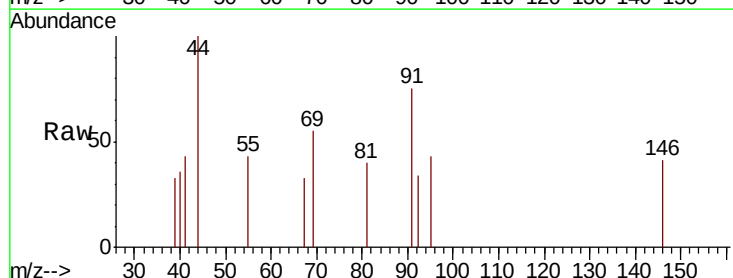


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

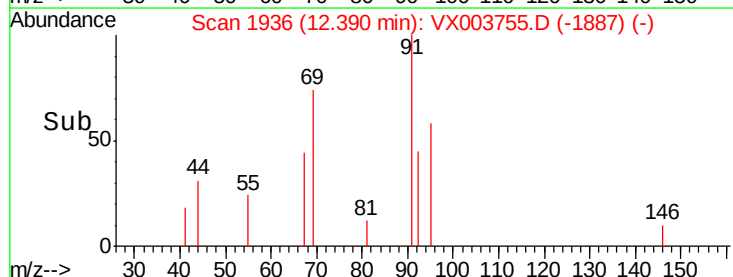
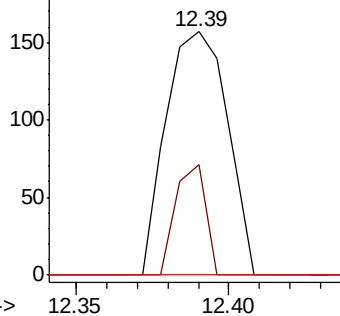


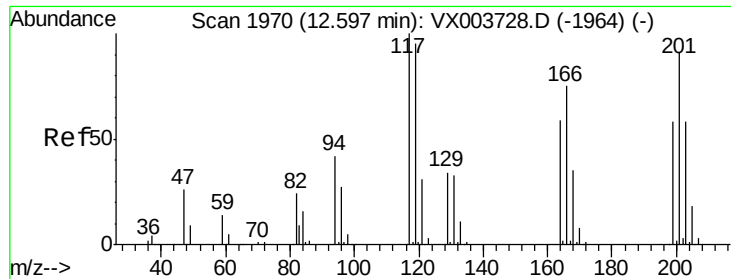
#89
 n-Butylbenzene
 Concen: 0.44 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX003755.D
 Acq: 31 Jul 2018 17:25

Tgt Ion: 91 Resp: 218
 Ion Ratio Lower Upper
 91 100
 92 22.0 26.2 78.5#
 134 0.0 13.6 40.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.10 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampled :

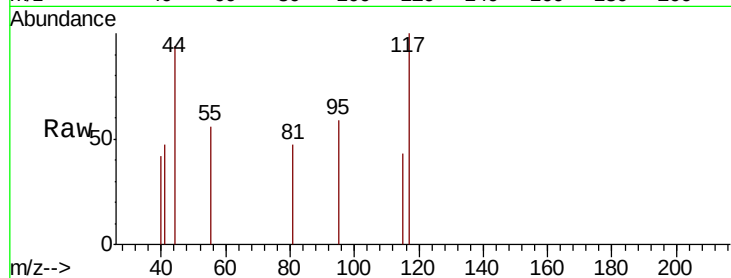
GW-03(8-10)

Tot Ion:117 Resp: 163

Ion Ratio Lower Upper

117 100

201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.76

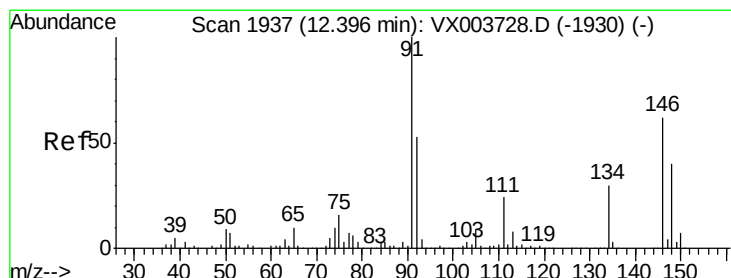
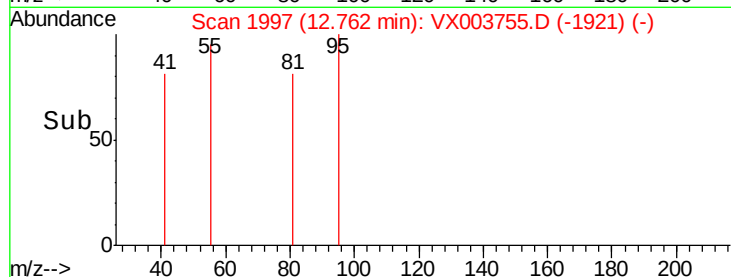
150

100

50

0

Time--> 12.72 12.74 12.76 12.78



#91

1,2-Dichlorobenzene

Concen: 0.29 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

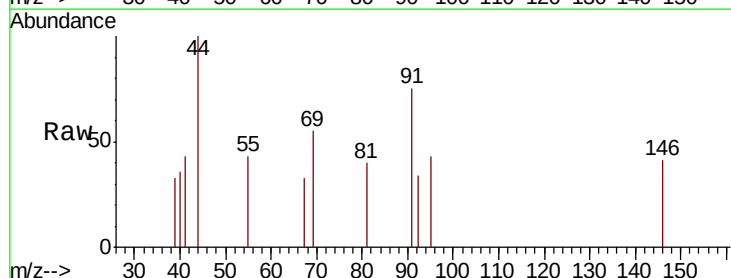
Tgt Ion:146 Resp: 76

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.4#

148 0.0 32.0 96.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.39

100

80

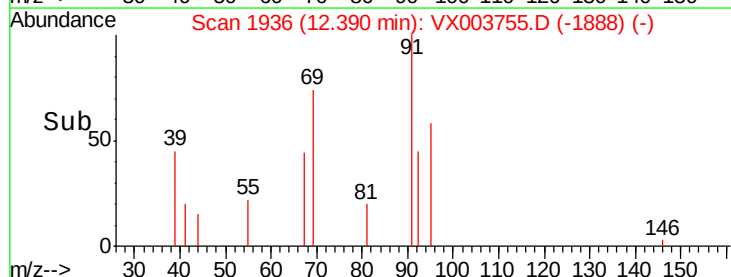
60

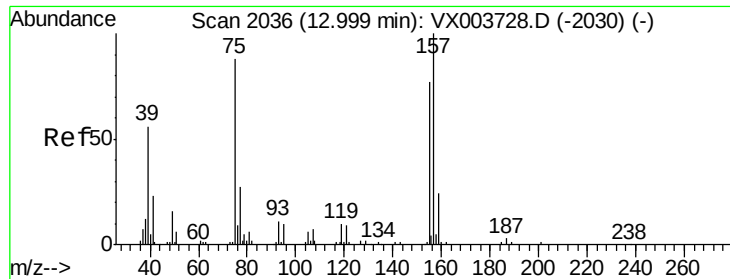
40

20

0

Time--> 12.36 12.38 12.40 12.42





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.56 ug/l

RT: 12.82 min Scan# 2006

Delta R.T. -0.18 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

GW-03(8-10)

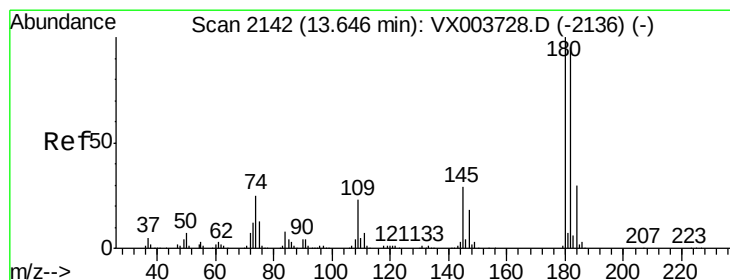
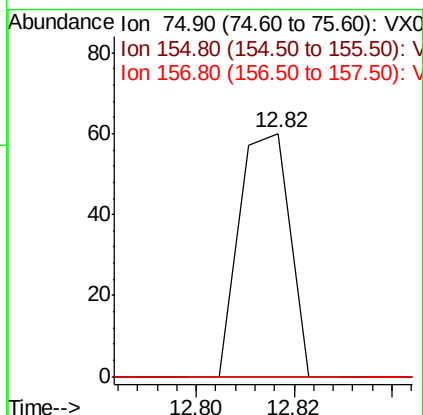
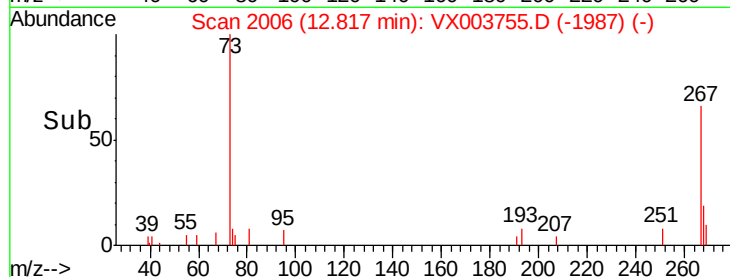
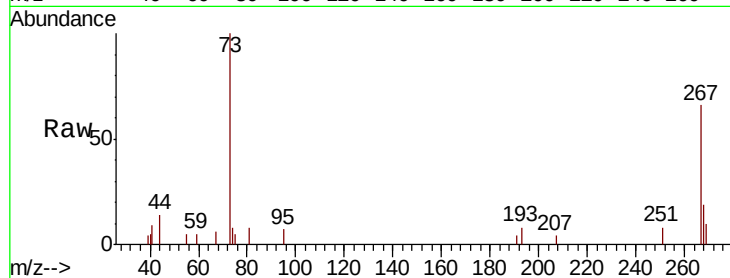
Tot Ion: 75 Resp: 43

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

157 0.0 63.7 191.1#



#93

1,2,4-Trichlorobenzene

Concen: 1.00 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

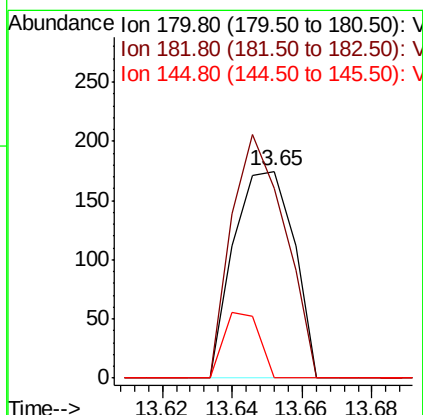
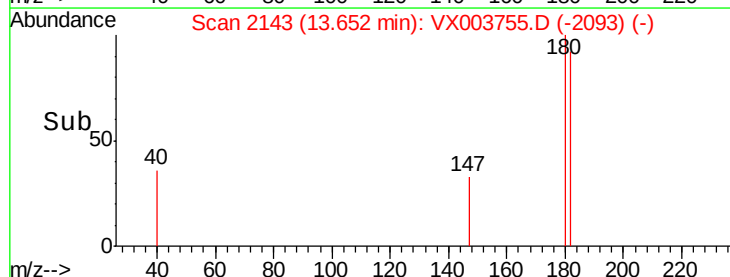
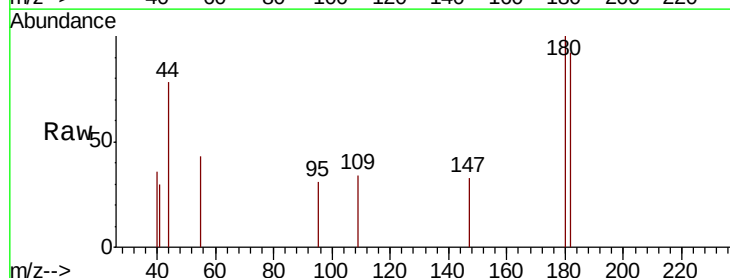
Tgt Ion: 180 Resp: 208

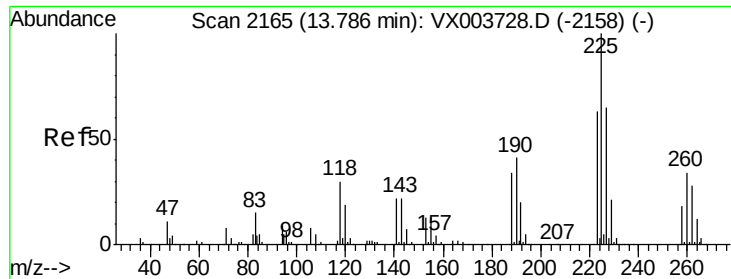
Ion Ratio Lower Upper

180 100

182 104.8 47.6 142.9

145 19.2 14.1 42.2





#94

Hexachlorobutadiene

Concen: 0.70 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

GW-03(8-10)

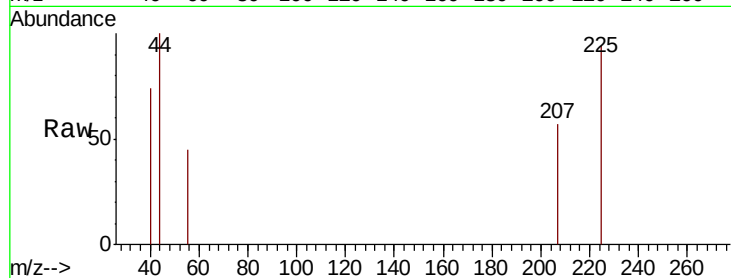
Tot Ion:225 Resp: 93

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.5#

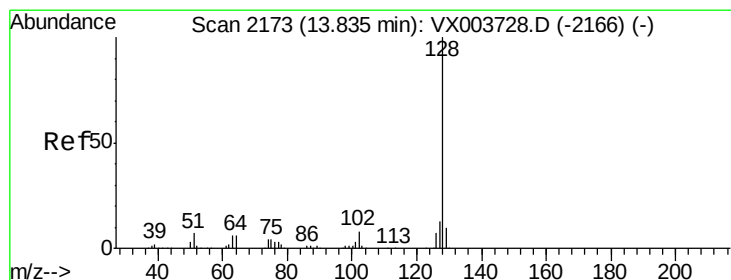
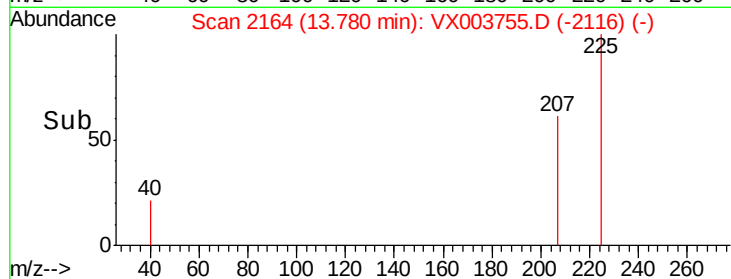
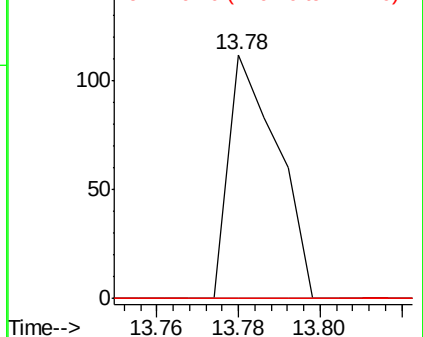
227 0.0 31.9 95.9#



Abundance Ion 224.70 (224.40 to 225.40): V

150 Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.63 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003755.D

Acq: 31 Jul 2018 17:25

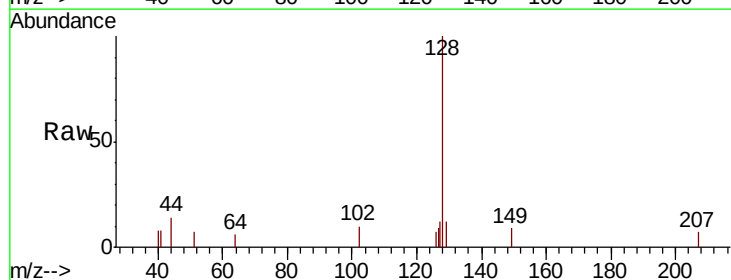
Tgt Ion:128 Resp: 1169

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.2

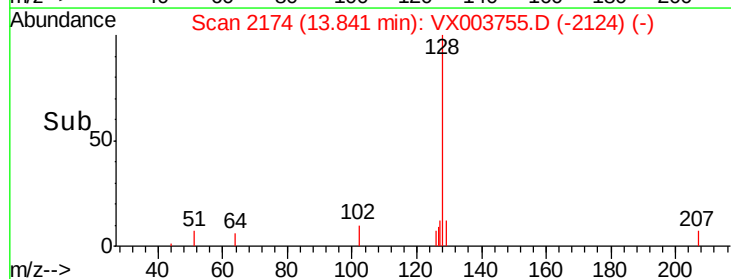
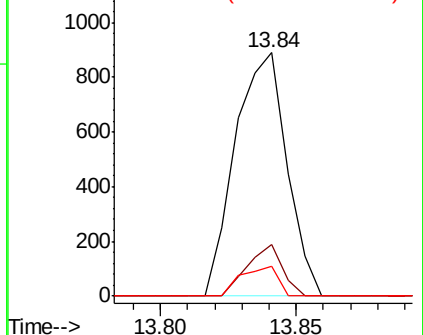
129 8.7 8.7 13.1

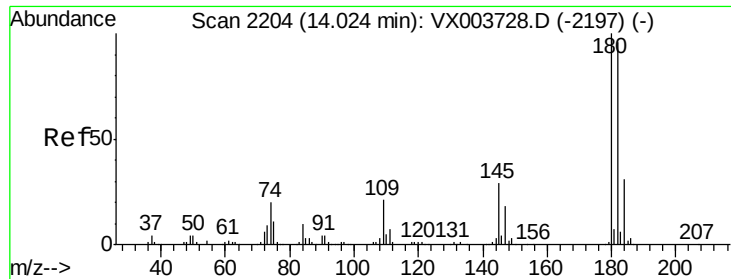


Abundance Ion 128.00 (127.70 to 128.70): V

1200 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

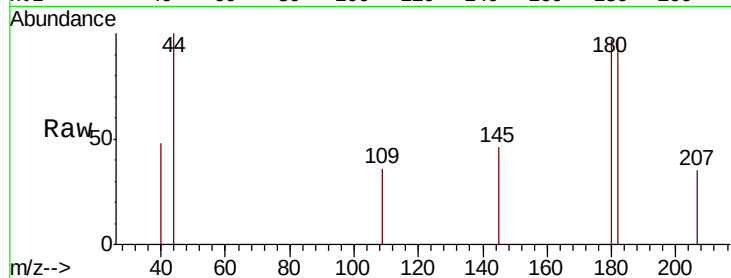




#96
 1,2,3-Trichlorobenzene
 Concen: 0.84 ug/l
 RT: 14.02 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: VX003755.D
 Acq: 31 Jul 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-03(8-10)

Tot Ion	Ratio	Lower	Upper
180	100		
182	113.9	47.9	143.8
145	55.1	14.7	44.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

