

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003781.D
 Acq On : 01 Aug 2018 05:59
 Operator : JC/SP
 Sample : J4143-06
 Misc : 7.05G/5.0mL/MSVOA X/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-01(10-12)

Quant Time: Aug 01 06:48:31 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	5.66	168	111161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	140718	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	80676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	20014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	41151	36.60	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	73.20%	
35) Dibromofluoromethane	5.51	113	37347	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
50) Toluene-d8	8.72	98	146560	42.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.84%	
62) 4-Bromofluorobenzene	11.14	95	23591	18.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.04%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	121	Below Cal		90
11) Tert butyl alcohol	3.07	59	277	1.52 ug/l	#	73
13) Acrolein	2.29	56	97	1.63 ug/l	#	1
14) Allyl chloride	2.70	41	371	0.21 ug/l	#	58
16) Acetone	2.45	43	119895	279.19 ug/l		97
17) Carbon Disulfide	2.57	76	29244	9.05 ug/l		97
18) Methyl Acetate	2.78	43	1211	1.00 ug/l		93
19) Methyl tert-butyl Ether	3.21	73	897	0.33 ug/l	#	88
20) Methylene Chloride	2.85	84	2982	Below Cal		92
25) 2-Butanone	4.69	43	34063	54.41 ug/l		98
26) 2,2-Dichloropropane	4.73	77	503	0.34 ug/l	#	51
29) Tetrahydrofuran	5.17	42	181	0.45 ug/l	#	33
30) Chloroform	5.22	83	414	0.23 ug/l	#	75
31) Cyclohexane	5.57	56	399	0.22 ug/l	#	91
36) 1,1-Dichloropropene	5.66	75	7712	5.85 ug/l	#	48
37) Ethyl Acetate	4.69	43	34063	33.65 ug/l	#	68
38) Carbon Tetrachloride	5.66	117	10042	8.24 ug/l	#	16
39) Methylcyclohexane	7.46	83	1234	0.76 ug/l	#	85
40) Benzene	6.14	78	1292	0.34 ug/l	#	78
41) Methacrylonitrile	5.18	41	151	0.26 ug/l	#	23
43) Isopropyl Acetate	6.28	43	346	0.21 ug/l	#	60
51) 4-Methyl-2-Pentanone	8.65	43	363	0.37 ug/l	#	77
52) Toluene	8.79	92	1232	0.52 ug/l		97
55) 1,1,2-Trichloroethane	9.16	97	417	0.51 ug/l	#	15
59) 2-Hexanone	9.50	43	192	0.25 ug/l	#	23
68) m/p-Xylenes	10.36	106	575	0.52 ug/l		99
74) N-amyl acetate	6.28	43	346	0.78 ug/l	#	69
75) 1,1,2,2-Tetrachloroethane	11.27	83	160	0.49 ug/l	#	26
76) 1,2,3-Trichloropropane	11.14	75	12007	43.52 ug/l	#	34
78) n-propylbenzene	11.37	91	468	0.31 ug/l		78
79) 2-Chlorotoluene	11.43	91	253	0.29 ug/l	#	40
80) 1,3,5-Trimethylbenzene	11.67	105	430	0.40 ug/l		90
81) trans-1,4-Dichloro-2-buten	11.14	75	12007	128.92 ug/l	#	11
82) 4-Chlorotoluene	11.52	91	285	0.27 ug/l	#	61

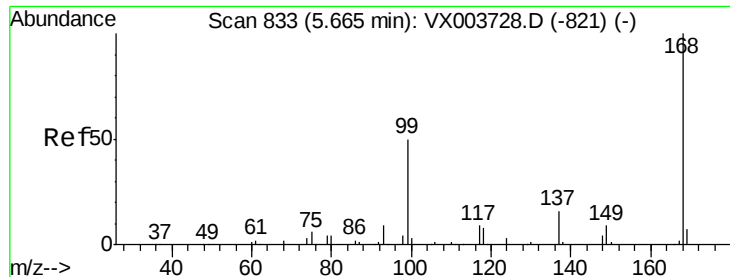
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003781.D
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Quant Time: Aug 01 06:48:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.77	119	236	0.22	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	819	0.74	ug/l	87
86) p-Isopropyltoluene	12.07	119	283	0.23	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	139	0.21	ug/l	98
88) 1,4-Dichlorobenzene	12.03	146	139	0.21	ug/l	97
89) n-Butylbenzene	12.39	91	294	0.25	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.81	75	157	2.43	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	199	0.41	ug/l #	88
95) Naphthalene	13.83	128	6145	5.89	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	184	0.42	ug/l #	68

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampleId :

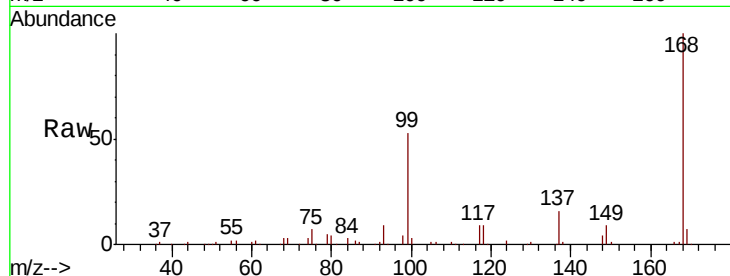
GW-01(10-12)

Tot Ion:168 Resp: 111161

Ion Ratio Lower Upper

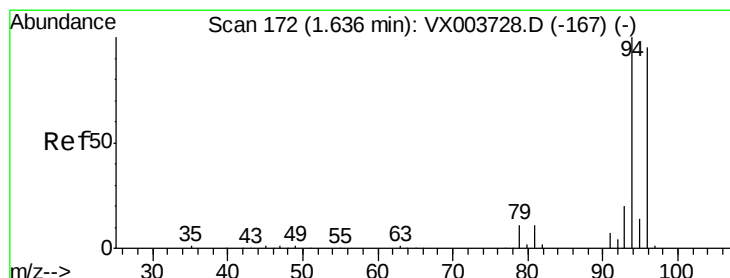
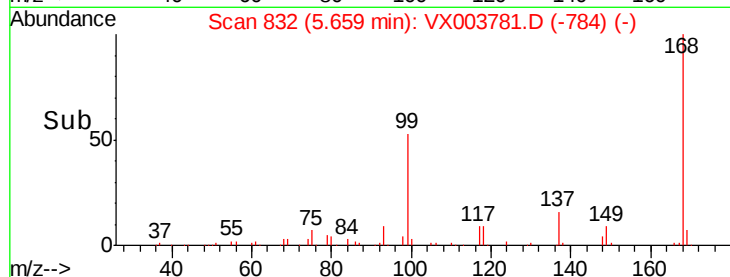
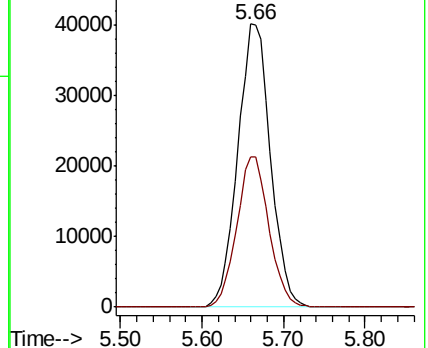
168 100

99 53.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003781.D

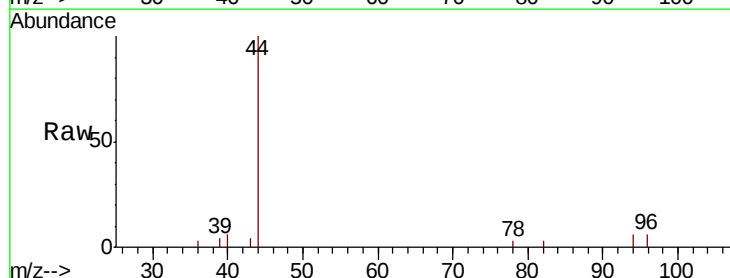
Acq: 01 Aug 2018 05:59

Tgt Ion: 94 Resp: 121

Ion Ratio Lower Upper

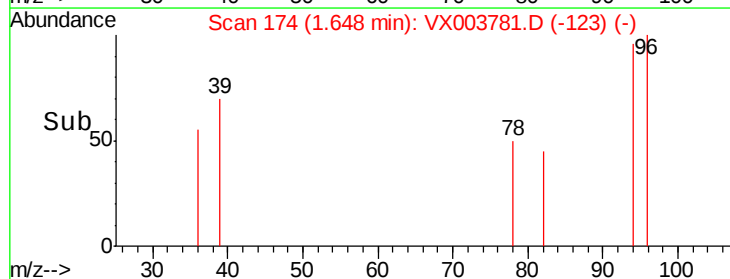
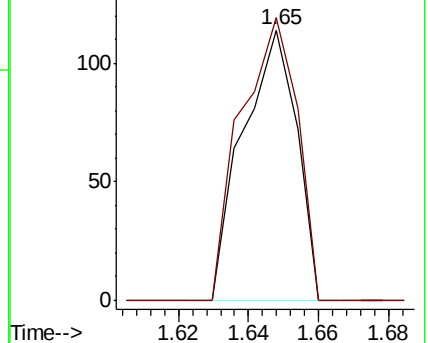
94 100

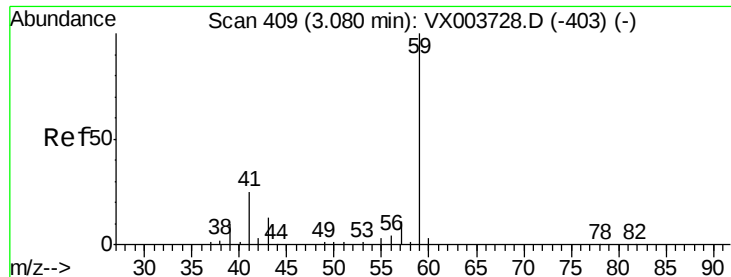
96 104.4 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

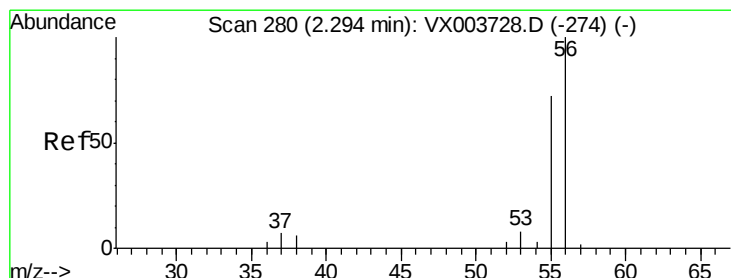
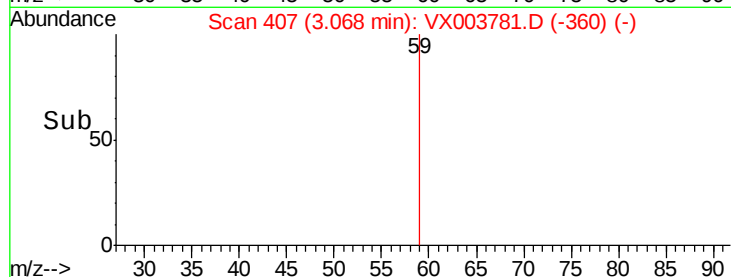
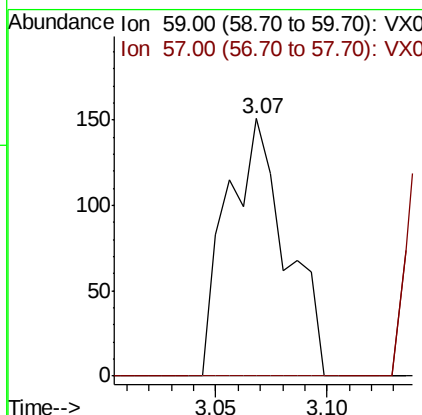
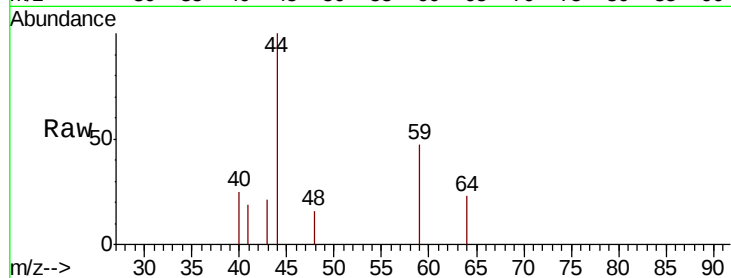




#11
Tert butyl alcohol
Concen: 1.52 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

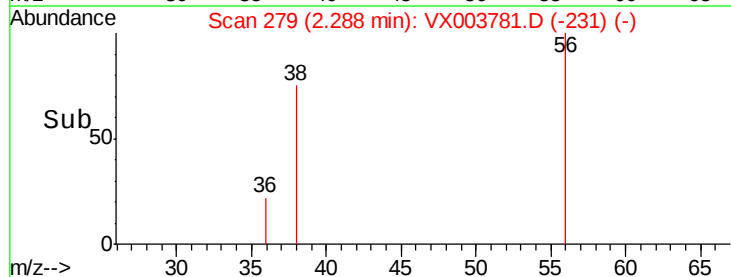
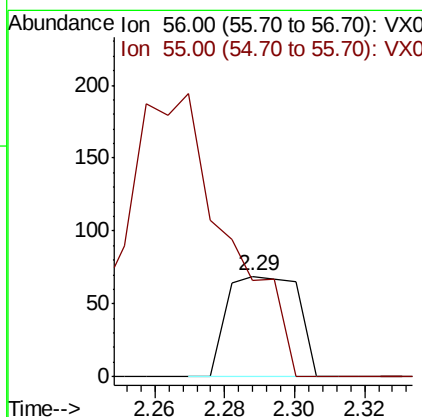
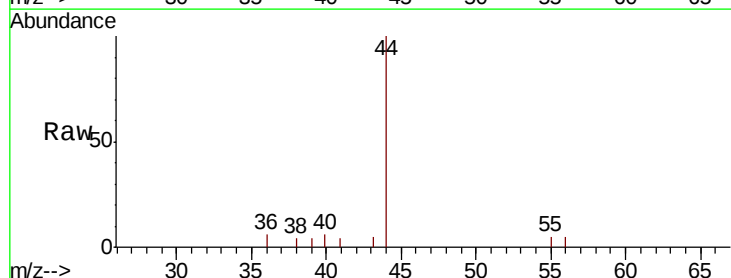
Instrument :
MSVOA_X
ClientSampleId :
GW-01(10-12)

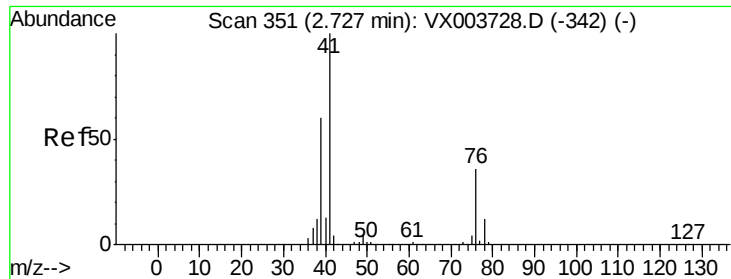
Tot Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 1.63 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 394.8 61.4 92.0#





#14

Allvl chloride

Concen: 0.21 ug/l

RT: 2.70 min Scan# 347

Delta R.T. -0.02 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampleId :

GW-01(10-12)

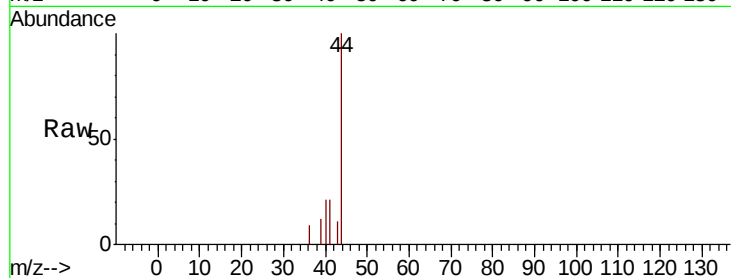
Tot Ion: 41 Resp: 371

Ion Ratio Lower Upper

41 100

39 35.8 47.7 71.5#

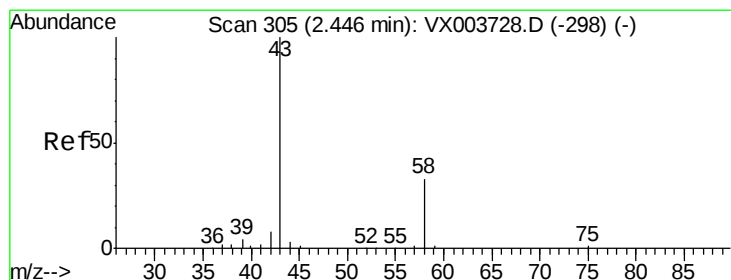
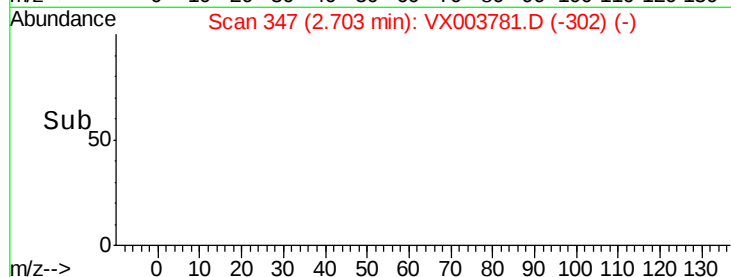
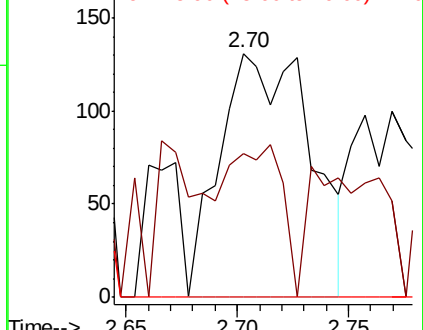
76 0.0 27.0 40.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 279.19 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003781.D

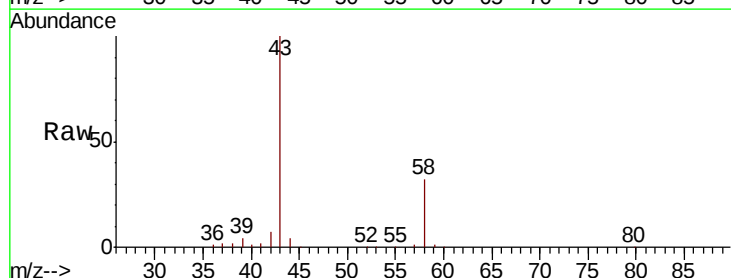
Acq: 01 Aug 2018 05:59

Tgt Ion: 43 Resp: 119895

Ion Ratio Lower Upper

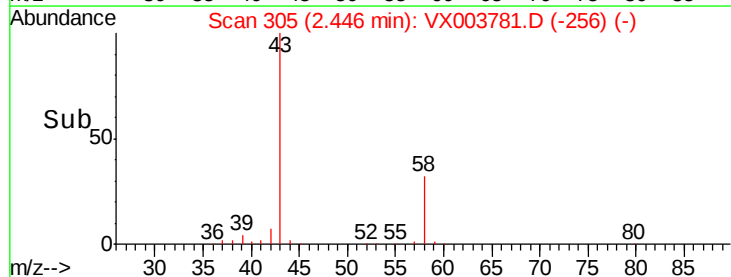
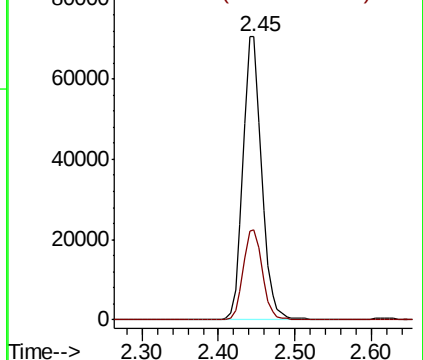
43 100

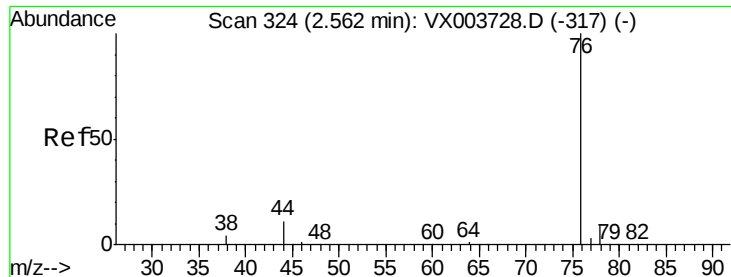
58 31.9 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

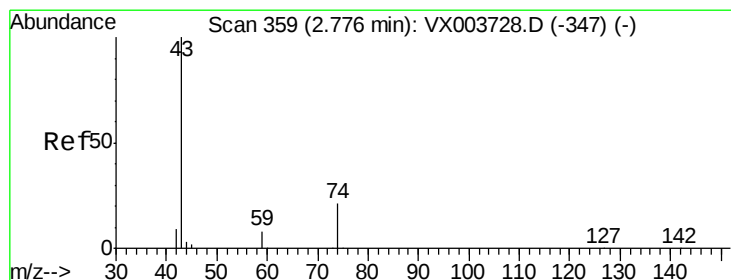
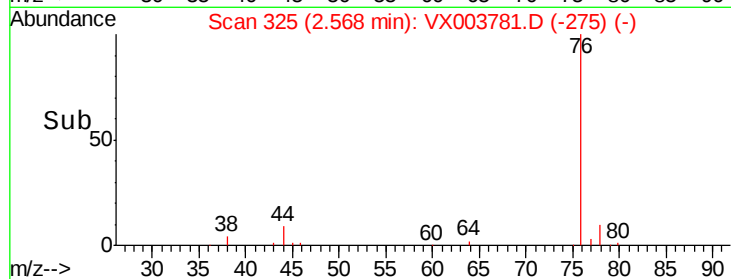
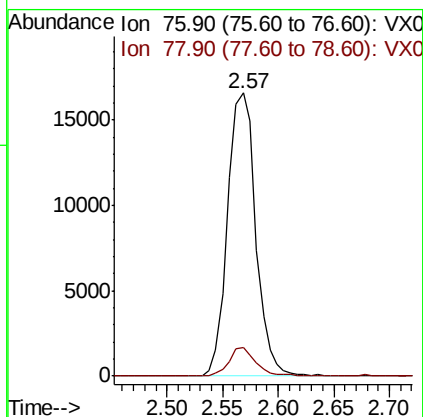
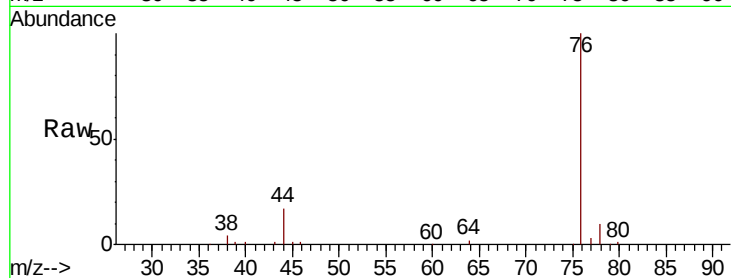




#17
Carbon Disulfide
Concen: 9.05 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

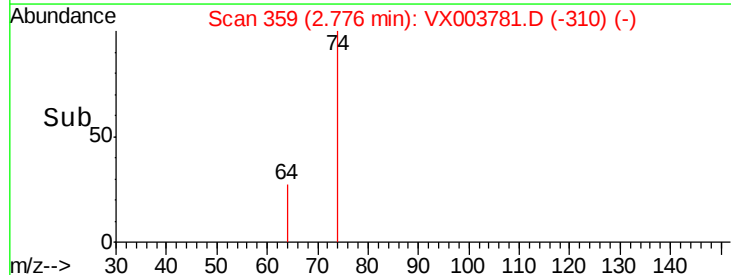
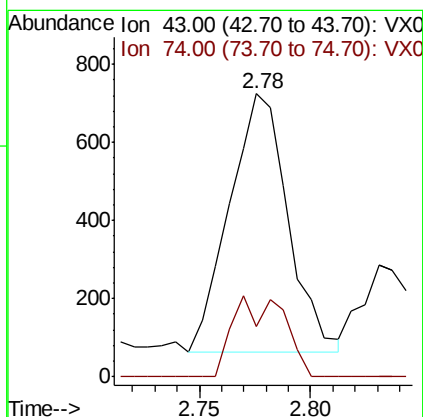
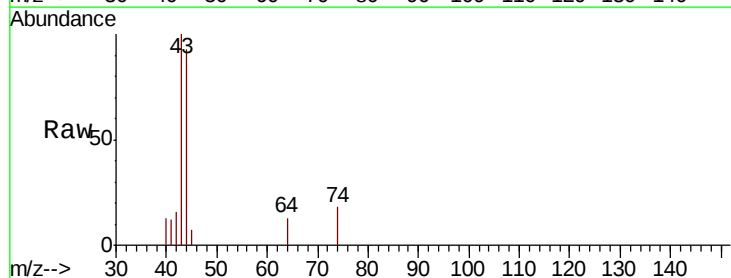
Instrument :
MSVOA_X
ClientSampleId :
GW-01(10-12)

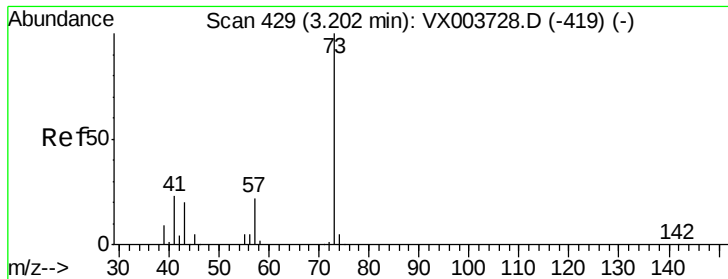
Tot Ion: 76 Resp: 29244
Ion Ratio Lower Upper
76 100
78 10.2 7.3 10.9



#18
Methyl Acetate
Concen: 1.00 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
74 27.0 18.9 28.3

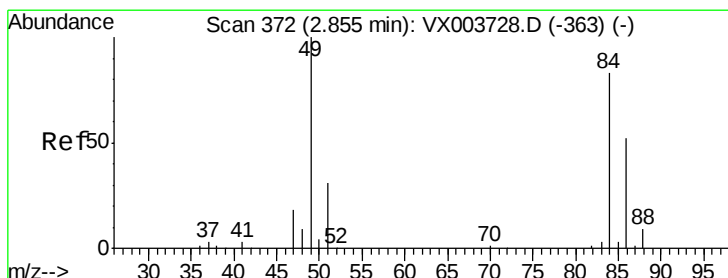
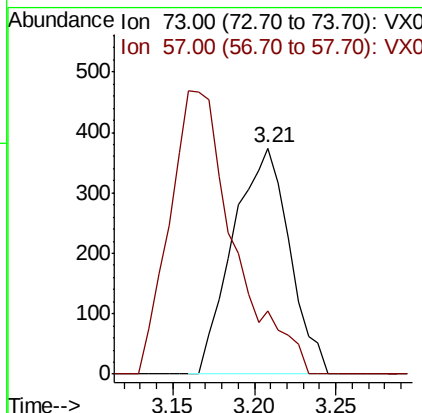
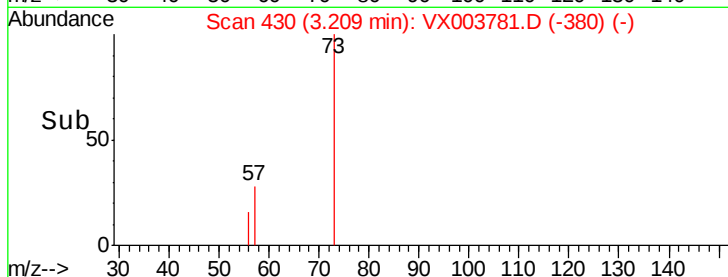
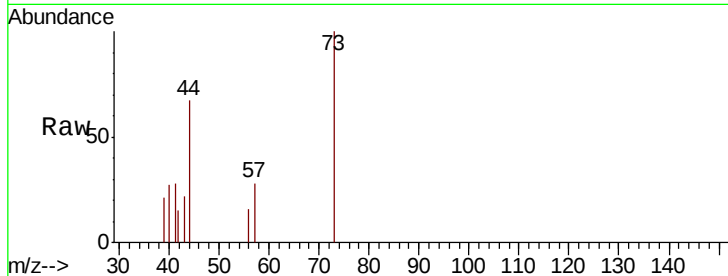




#19
Methyl tert-butyl Ether
Concen: 0.33 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.01 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

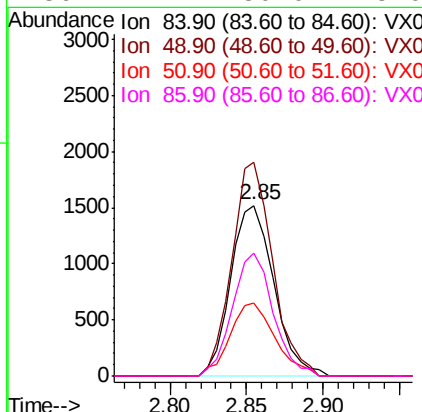
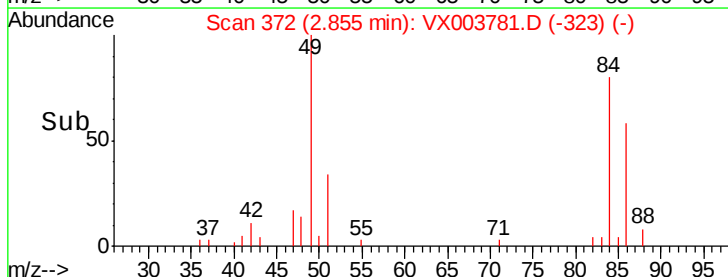
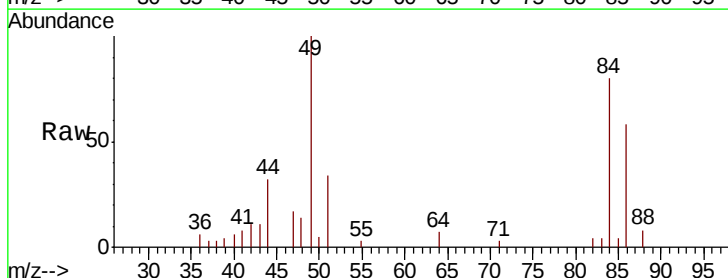
Instrument :
MSVOA_X
ClientSampled :
GW-01(10-12)

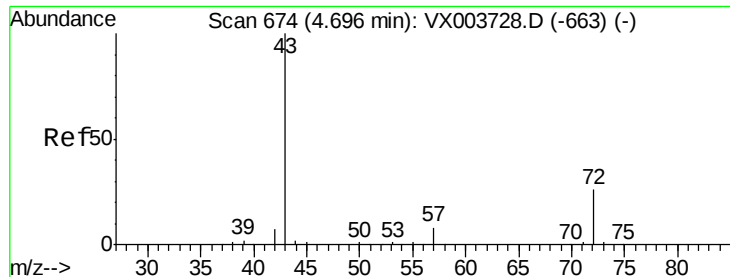
Tot Ion: 73 Resp: 897
Ion Ratio Lower Upper
73 100
57 28.1 18.0 27.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

Tgt Ion: 84 Resp: 2982
Ion Ratio Lower Upper
84 100
49 125.0 95.8 143.8
51 43.1 29.6 44.4
86 72.2 50.0 75.0





#25

2-Butanone

Concen: 54.41 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampleId :

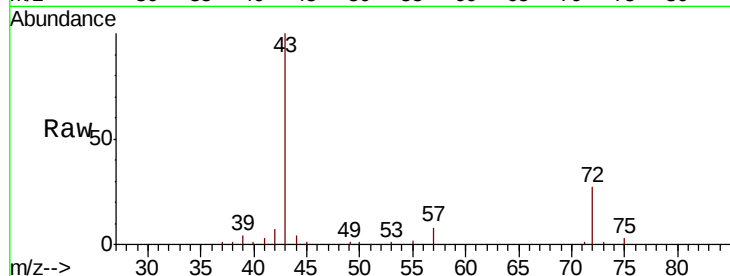
GW-01(10-12)

Tot Ion: 43 Resp: 34063

Ion Ratio Lower Upper

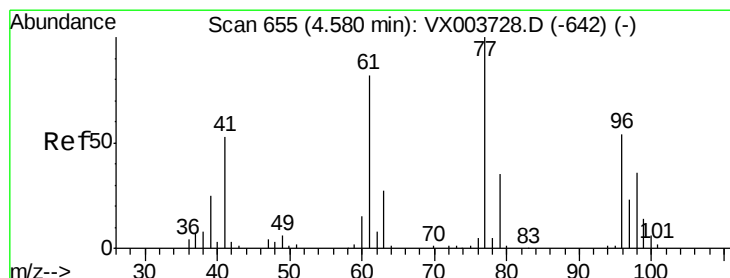
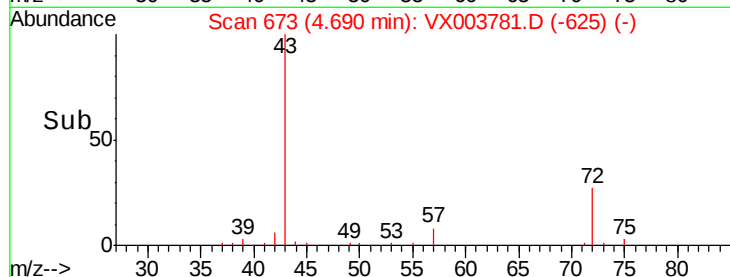
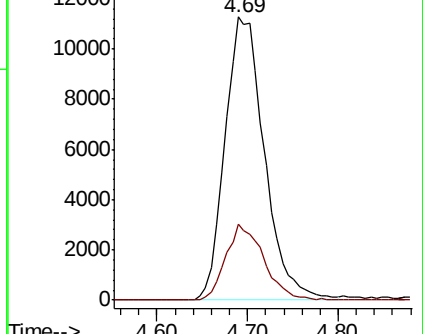
43 100

72 27.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.34 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.15 min

Lab File: VX003781.D

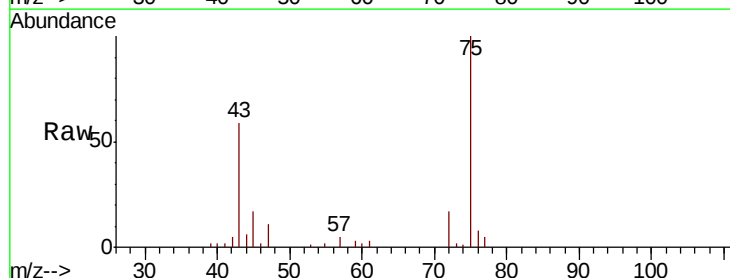
Acq: 01 Aug 2018 05:59

Tgt Ion: 77 Resp: 503

Ion Ratio Lower Upper

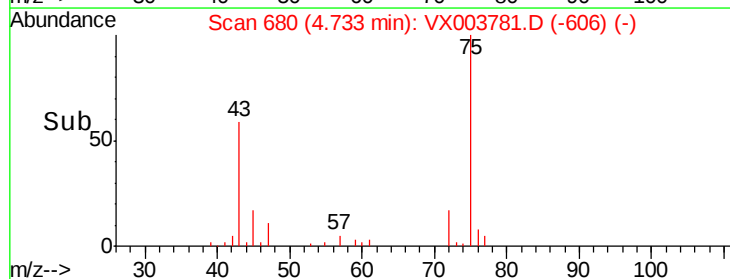
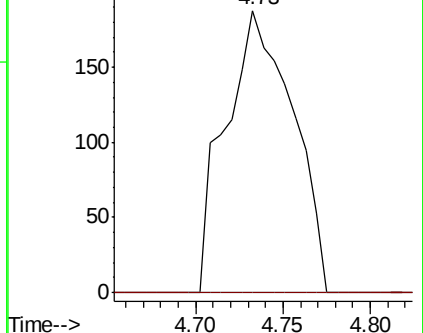
77 100

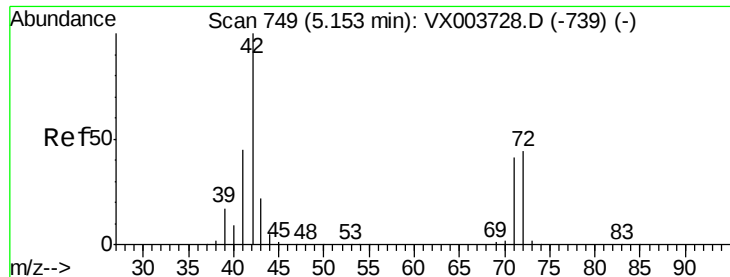
97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

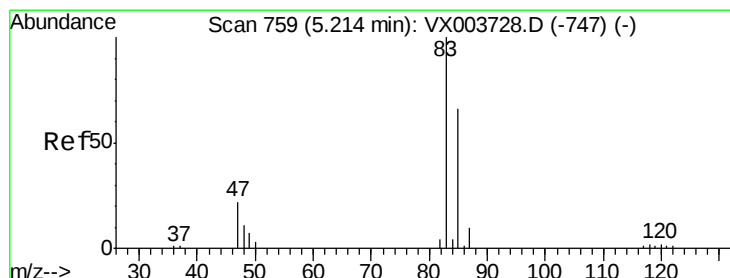
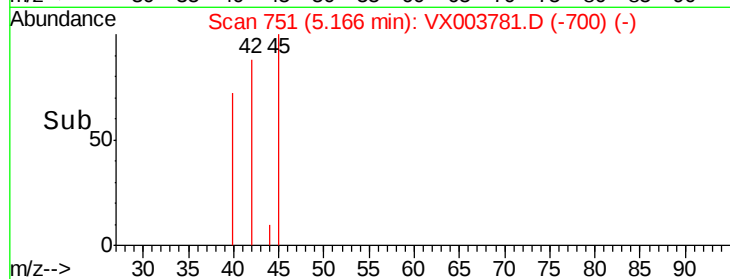
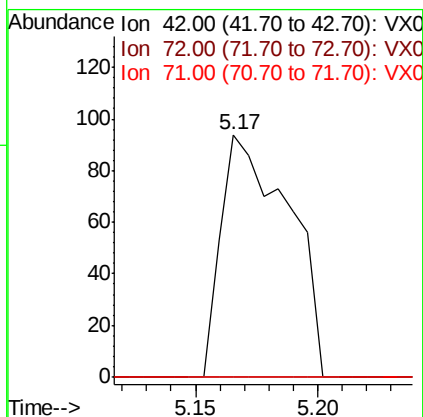
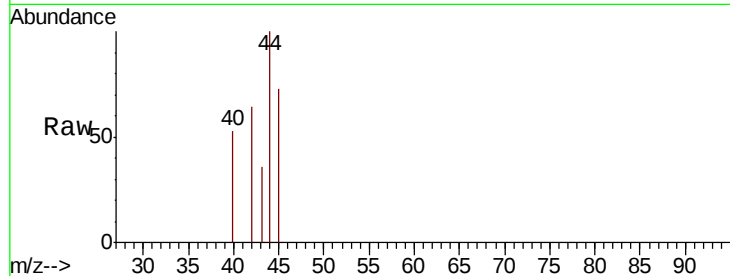




#29
Tetrahydrofuran
Concen: 0.45 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.01 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

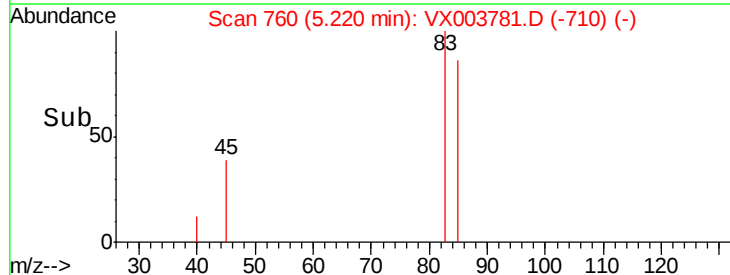
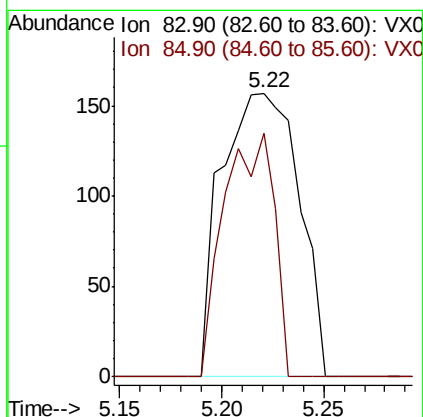
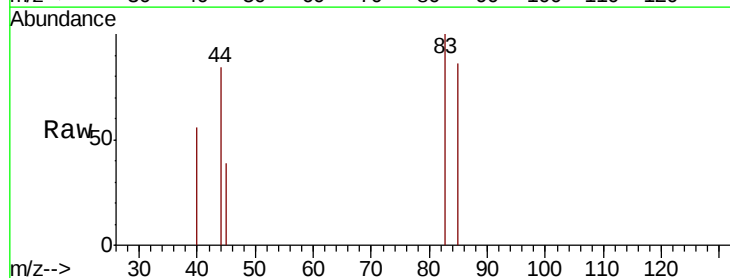
Instrument :
MSVOA_X
ClientSampleId :
GW-01(10-12)

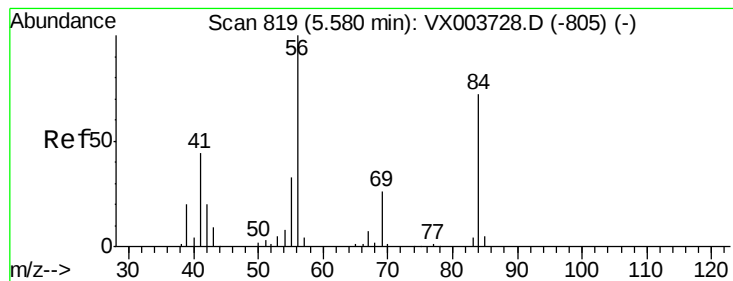
Tot Ion: 42 Resp: 181
Ion Ratio Lower Upper
42 100
72 0.0 35.6 53.4#
71 0.0 33.4 50.0#



#30
Chloroform
Concen: 0.23 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

Tgt Ion: 83 Resp: 414
Ion Ratio Lower Upper
83 100
85 86.0 52.8 79.2#





#31

Cvclohexane

Concen: 0.22 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampleId :

GW-01(10-12)

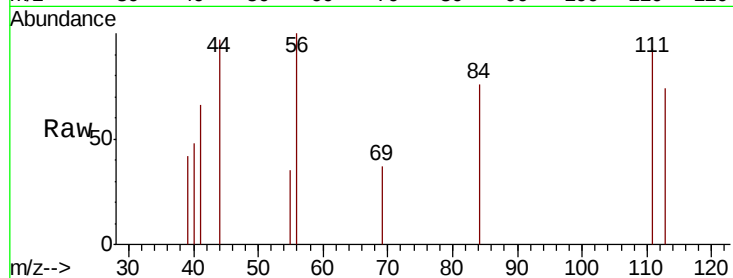
Tot Ion: 56 Resp: 399

Ion Ratio Lower Upper

56 100

69 36.7 20.6 30.8#

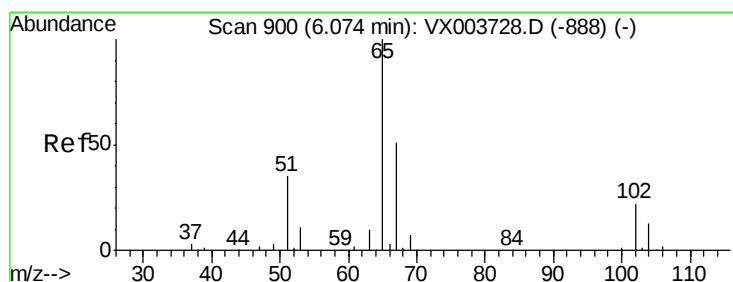
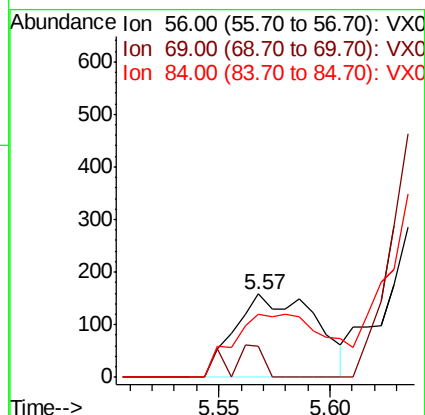
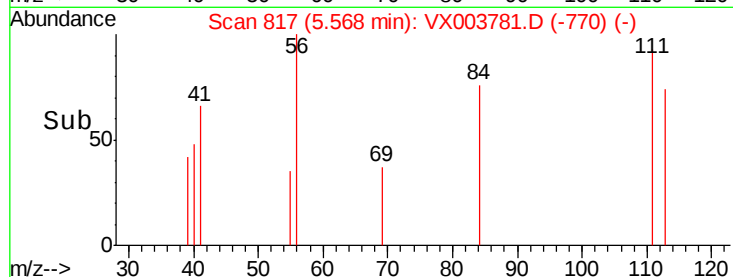
84 75.9 57.9 86.9



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: 36.60 ug/l

RT: 6.06 min Scan# 898

Delta R.T. -0.01 min

Lab File: VX003781.D

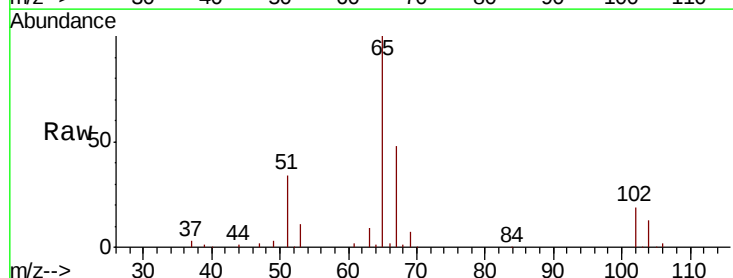
Acq: 01 Aug 2018 05:59

Tgt Ion: 65 Resp: 41151

Ion Ratio Lower Upper

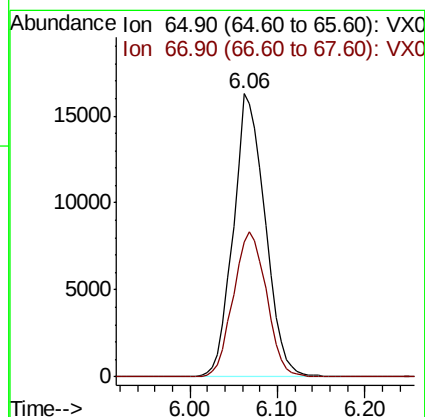
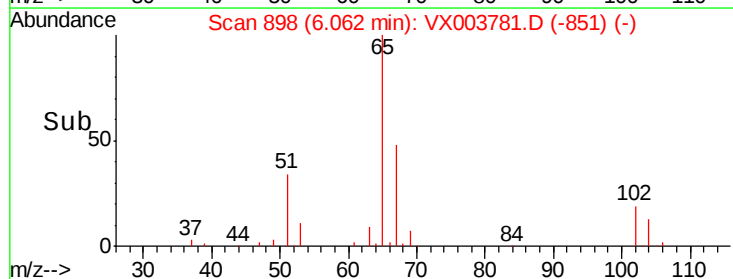
65 100

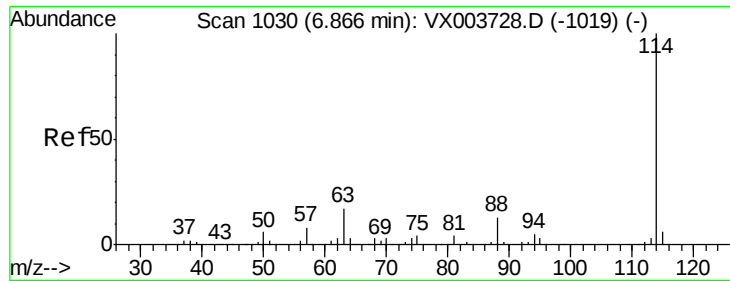
67 53.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

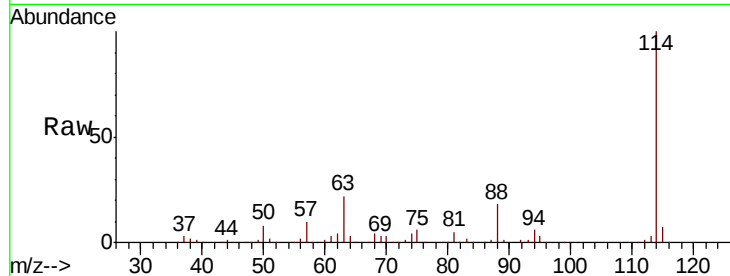




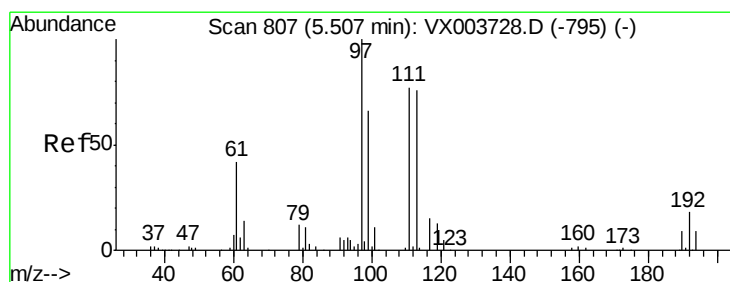
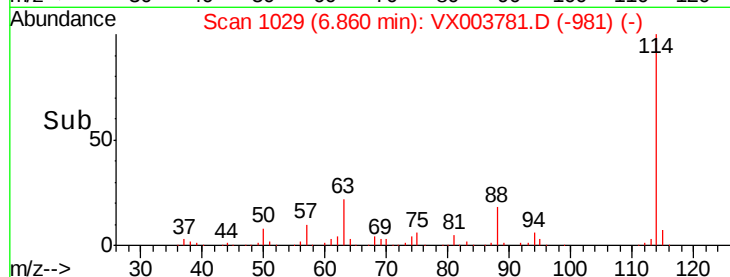
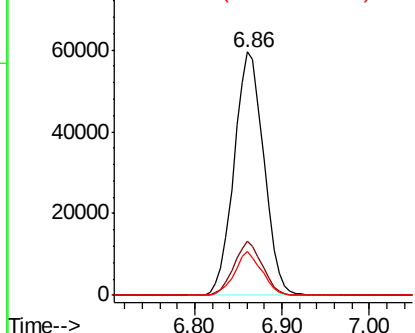
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-01(10-12)

Tot Ion:114 Resp: 140718
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 34.0
 88 17.8 0.0 26.4

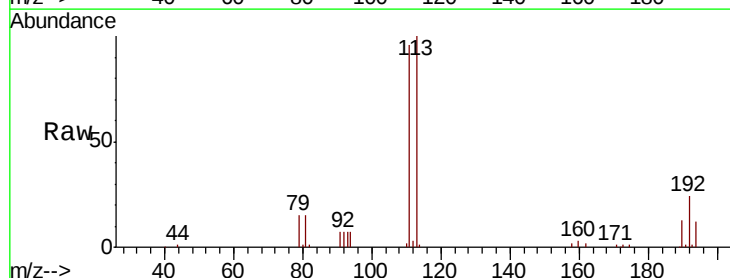


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

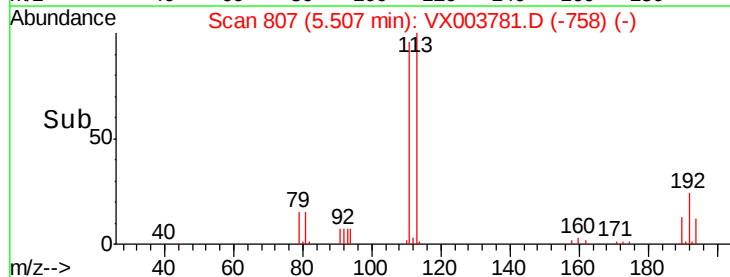
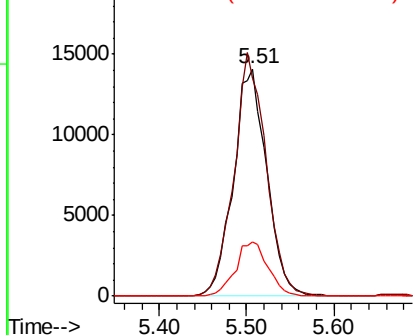


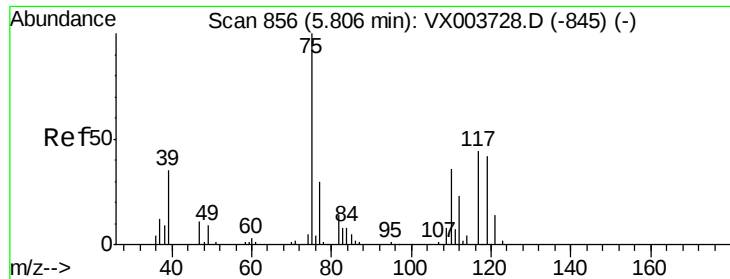
#35
 Dibromofluoromethane
 Concen: 45.07 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

Tgt Ion:113 Resp: 37347
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.8 122.6
 192 23.1 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

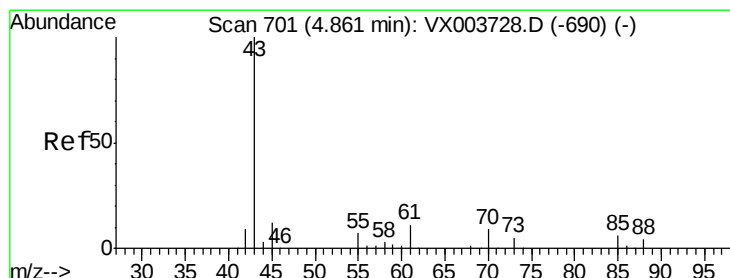
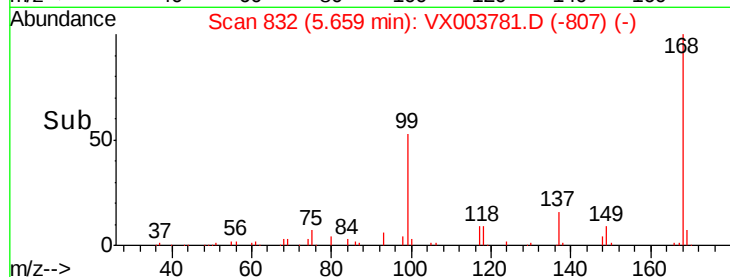
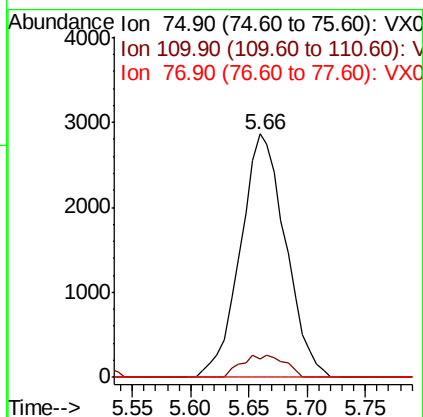
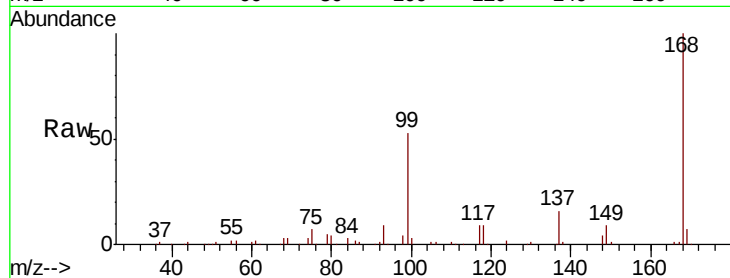




#36
 1,1-Dichloropropene
 Concen: 5.85 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

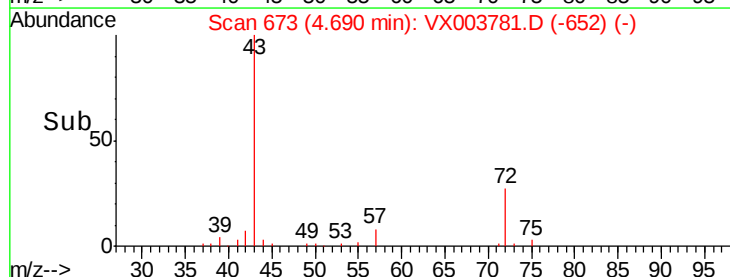
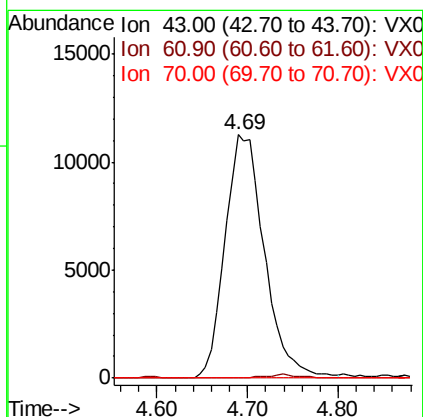
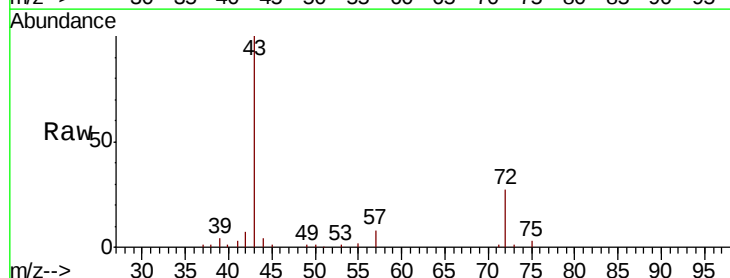
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-01(10-12)

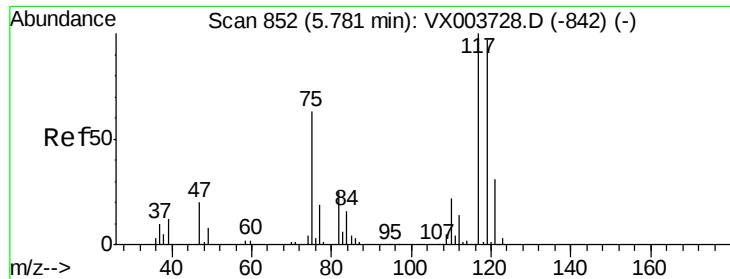
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.3	54.8#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 33.65 ug/l
 RT: 4.69 min Scan# 673
 Delta R.T. -0.17 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	8.2	12.2#

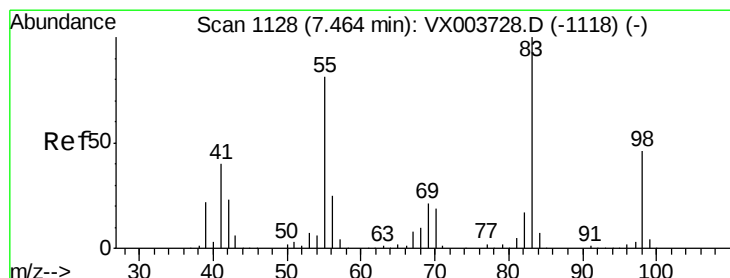
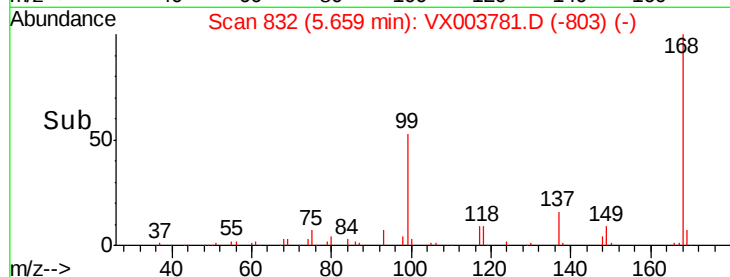
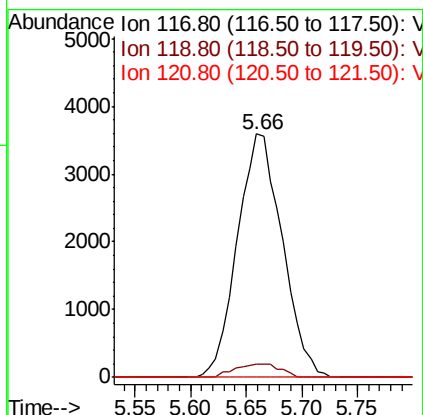
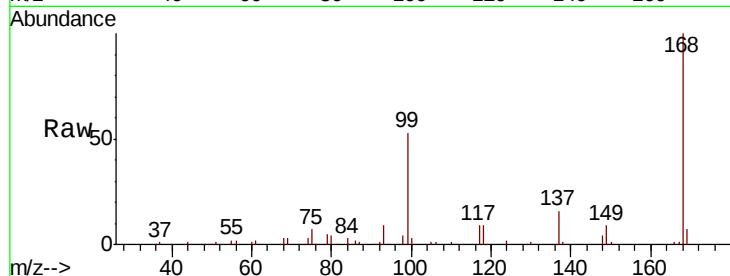




#38
Carbon Tetrachloride
Concen: 8.24 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.12 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

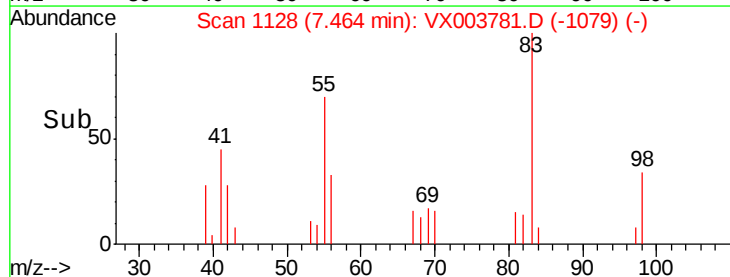
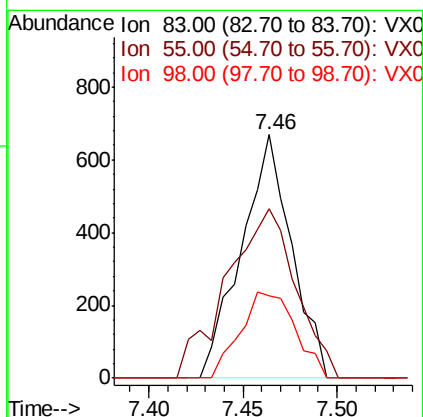
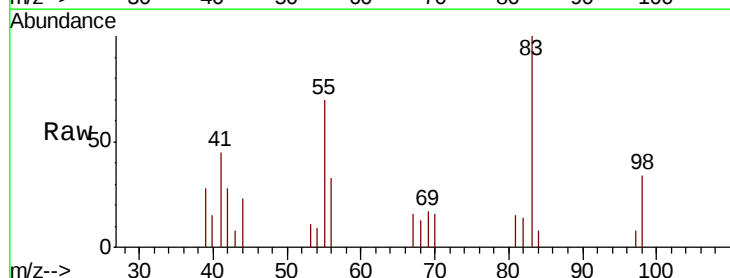
Instrument :
MSVOA_X
ClientSampleId :
GW-01(10-12)

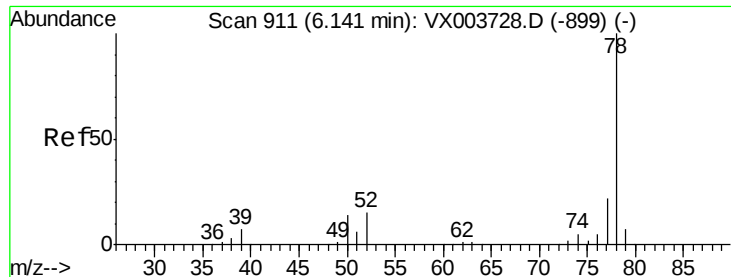
Tot Ion:117 Resp: 10042
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 25.0 37.4#



#39
Methylcyclohexane
Concen: 0.76 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

Tgt Ion: 83 Resp: 1234
Ion Ratio Lower Upper
83 100
55 69.8 65.0 97.6
98 33.8 37.1 55.7#





#40

Benzene

Concen: 0.34 ug/l

RT: 6.14 min Scan# 911

Delta R.T. 0.00 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampleId :

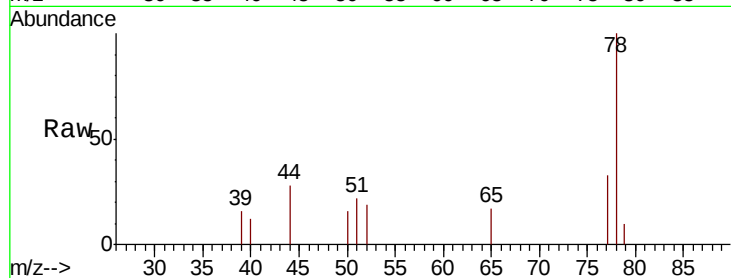
GW-01(10-12)

Tot Ion: 78 Resp: 1292

Ion Ratio Lower Upper

78 100

77 32.8 17.9 26.9#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

500

400

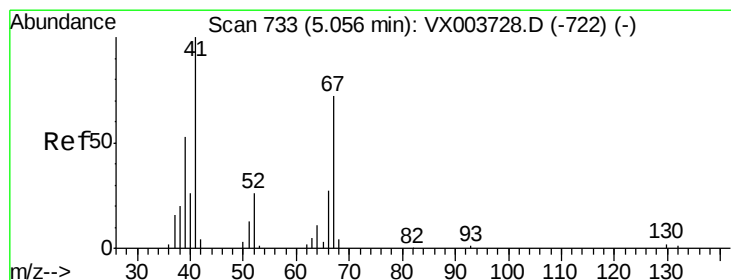
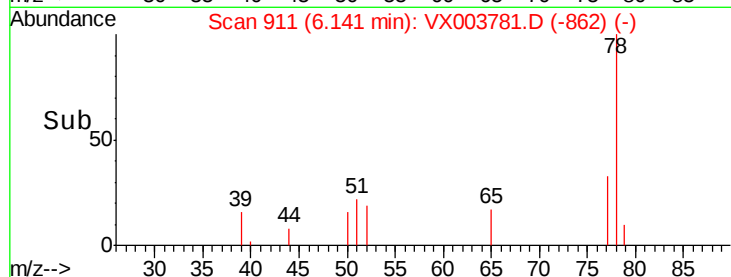
300

200

100

0

Time-->



#41

Methacrylonitrile

Concen: 0.26 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.12 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Tgt Ion: 41 Resp: 151

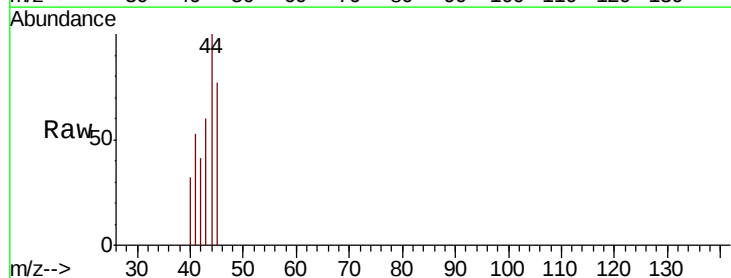
Ion Ratio Lower Upper

41 100

39 0.0 42.6 64.0#

67 0.0 58.9 88.3#

52 0.0 22.9 34.3#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

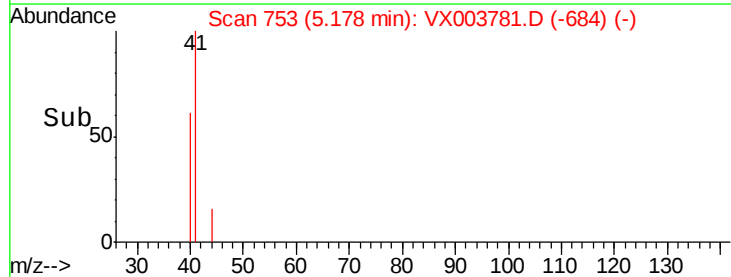
Ion 52.00 (51.70 to 52.70): VX0

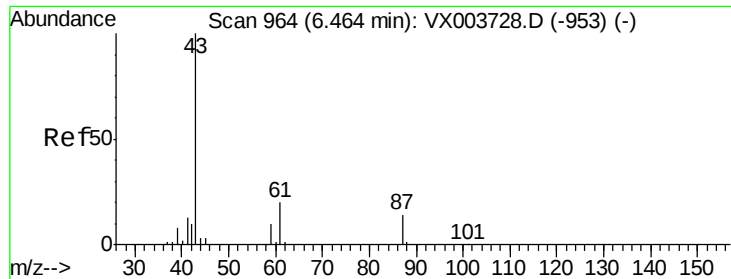
100

50

0

Time-->





#43

Isopropyl Acetate

Concen: 0.21 ug/l

RT: 6.28 min Scan# 934

Delta R.T. -0.18 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampleId :

GW-01(10-12)

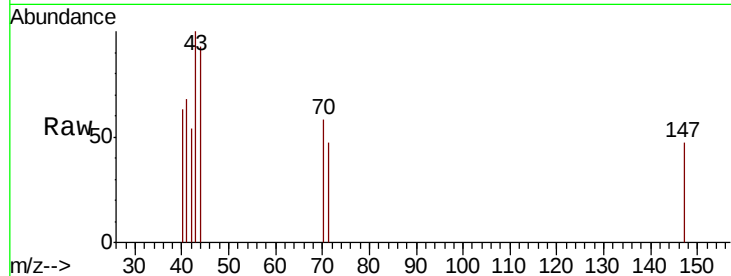
Tot Ion: 43 Resp: 346

Ion Ratio Lower Upper

43 100

61 0.0 16.5 24.7#

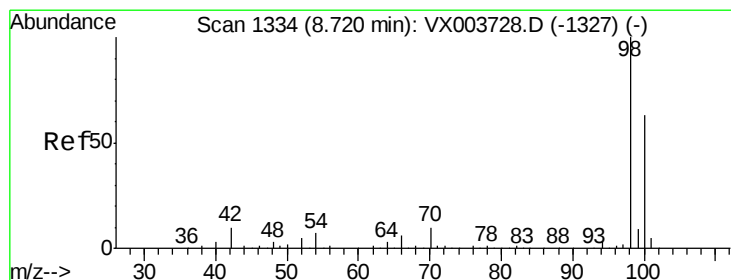
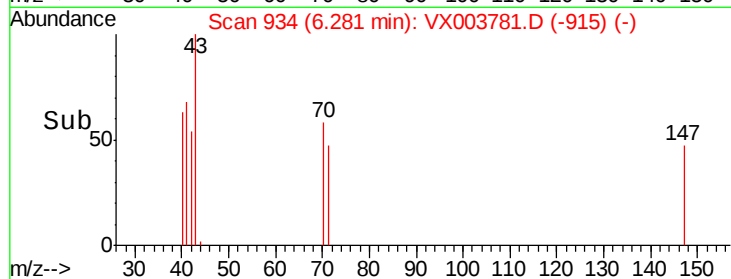
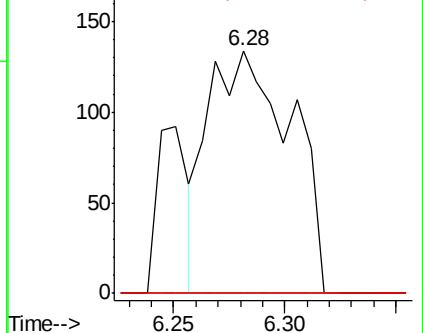
87 0.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 42.42 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003781.D

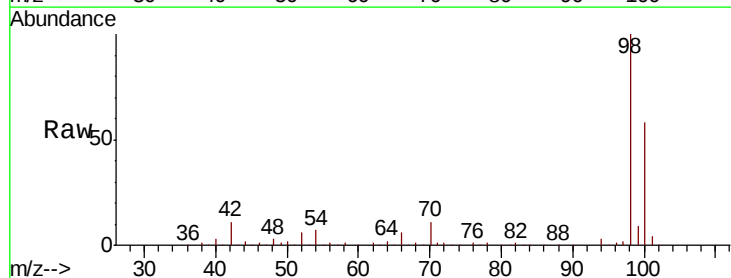
Acq: 01 Aug 2018 05:59

Tgt Ion: 98 Resp: 146560

Ion Ratio Lower Upper

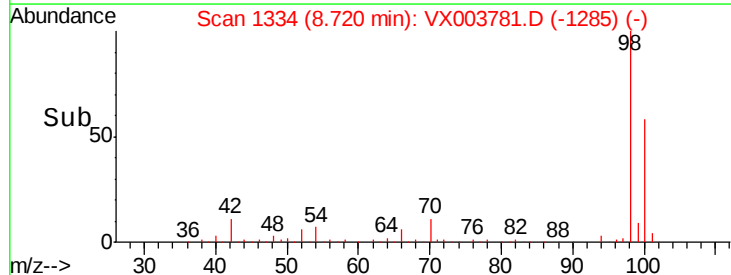
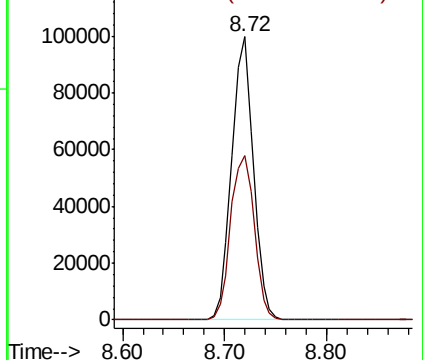
98 100

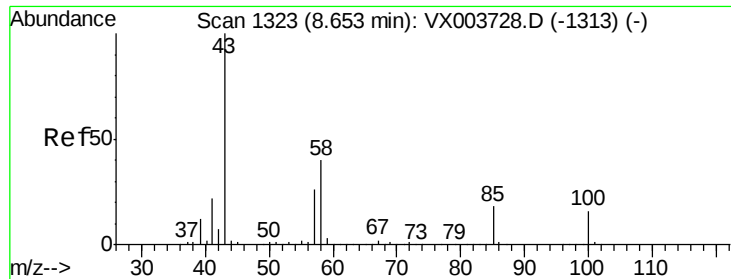
100 63.4 51.4 77.0



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: 0.37 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampled :

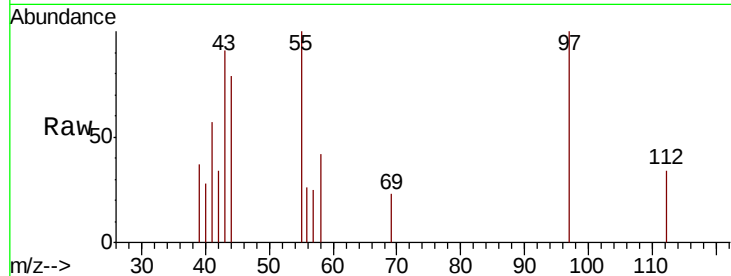
GW-01(10-12)

Tot Ion: 43 Resp: 363

Ion Ratio Lower Upper

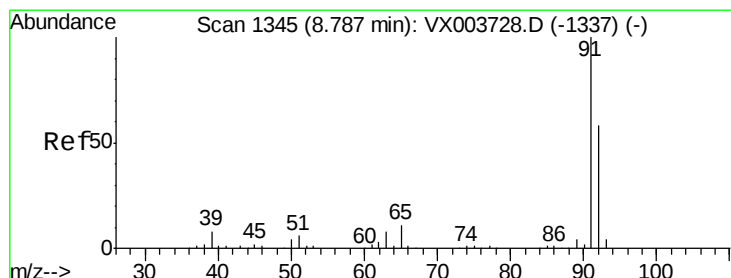
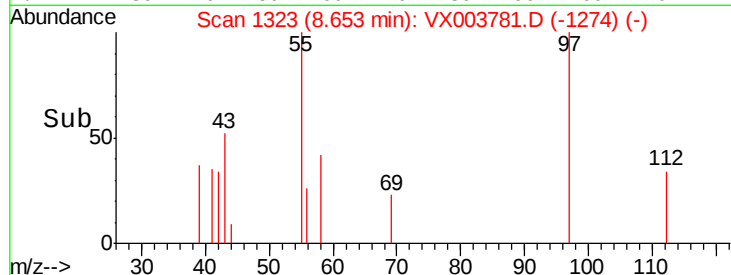
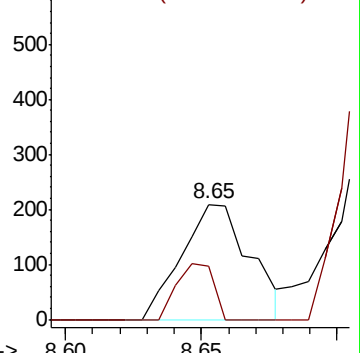
43 100

58 26.2 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.52 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003781.D

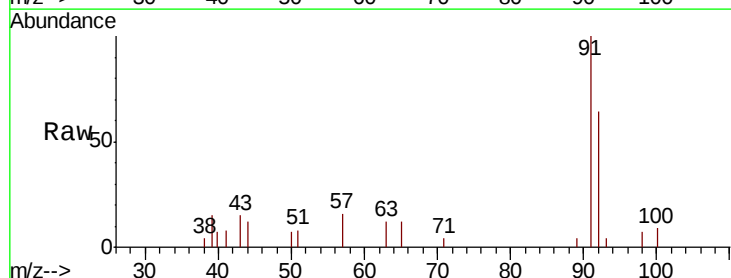
Acq: 01 Aug 2018 05:59

Tgt Ion: 92 Resp: 1232

Ion Ratio Lower Upper

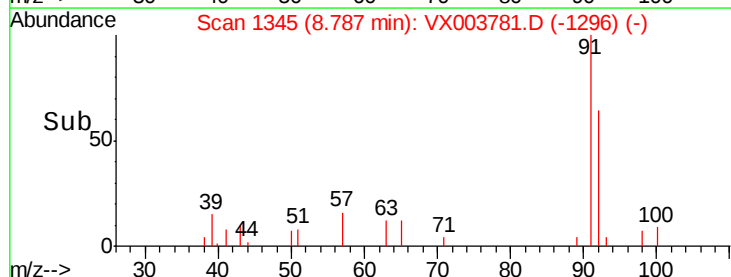
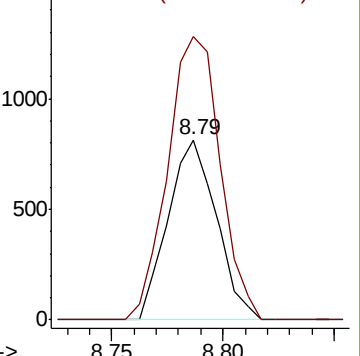
92 100

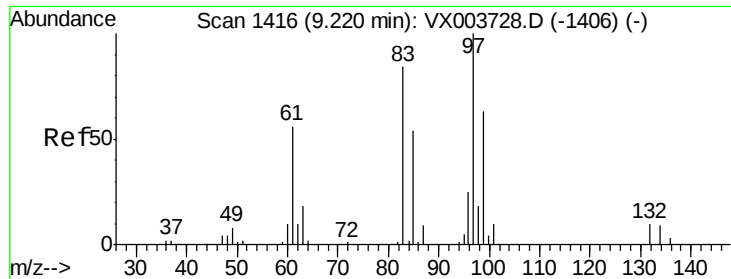
91 170.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

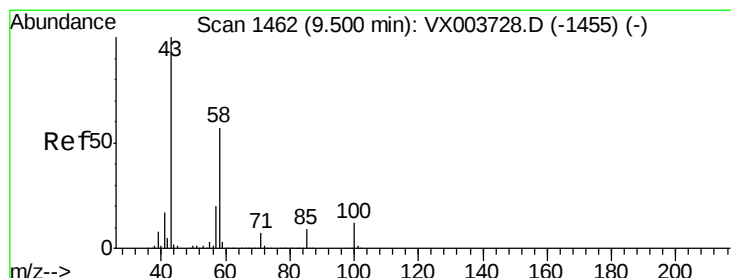
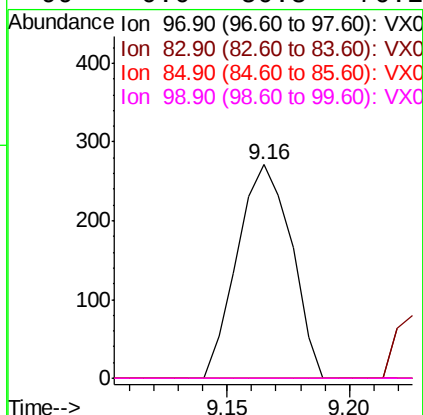
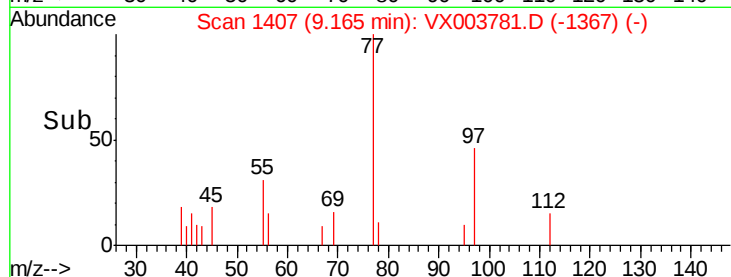
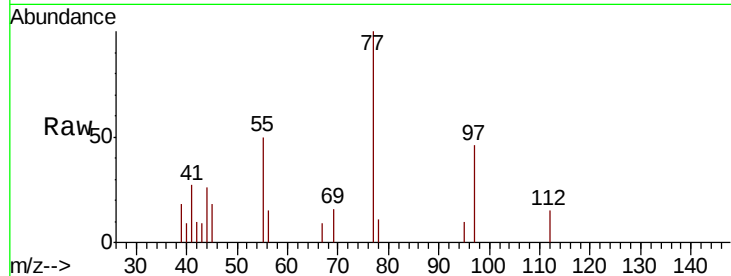




#55
 1,1,2-Trichloroethane
 Concen: 0.51 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.05 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

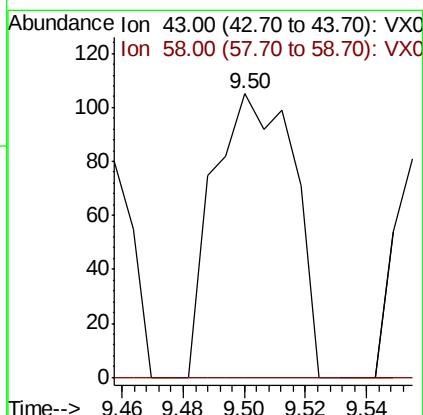
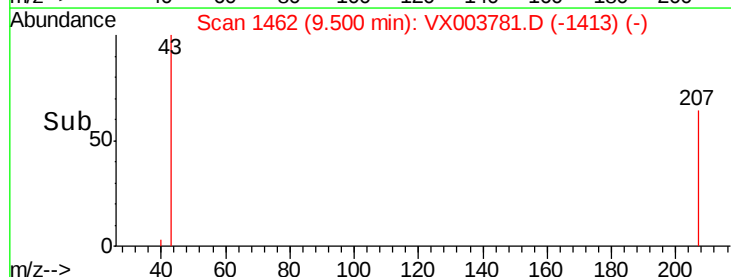
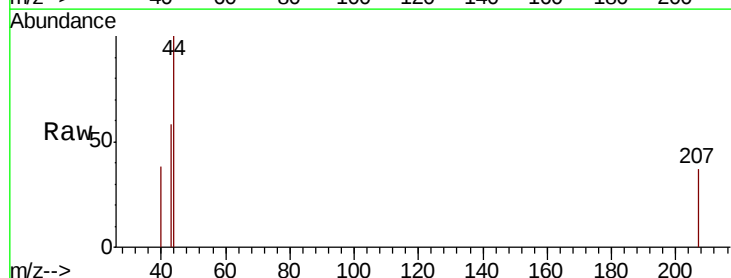
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-01(10-12)

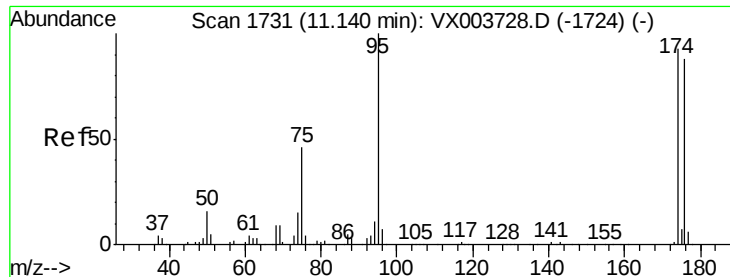
Tot Ion: 97 Resp: 417
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.4 101.0#
 85 0.0 43.3 64.9#
 99 0.0 50.8 76.2#



#59
 2-Hexanone
 Concen: 0.25 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

Tgt Ion: 43 Resp: 192
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 18.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampleId :

GW-01(10-12)

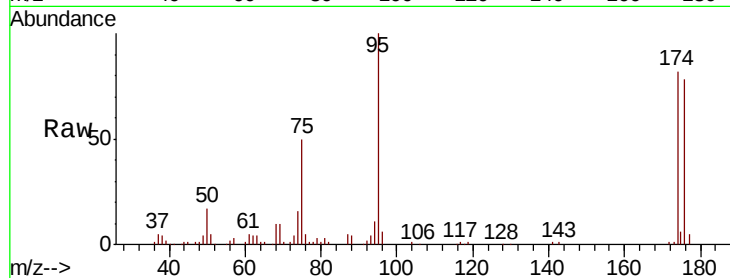
Tot Ion: 95 Resp: 23591

Ion Ratio Lower Upper

95 100

174 88.6 0.0 186.2

176 83.3 0.0 179.2

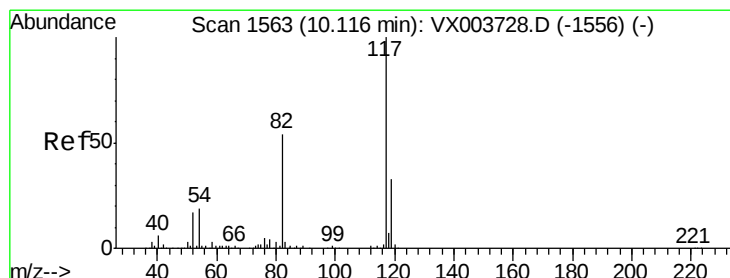
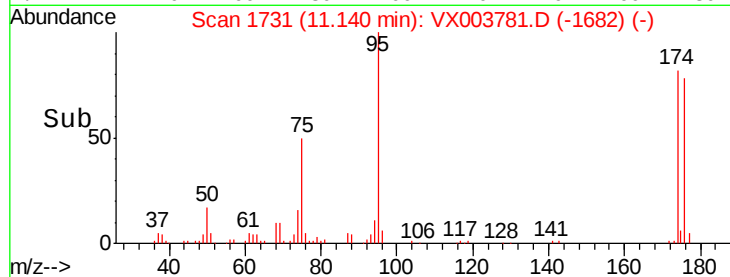


Abundance Ion 94.90 (94.60 to 95.60): VX003728.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX003728.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003728.D (-1724) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

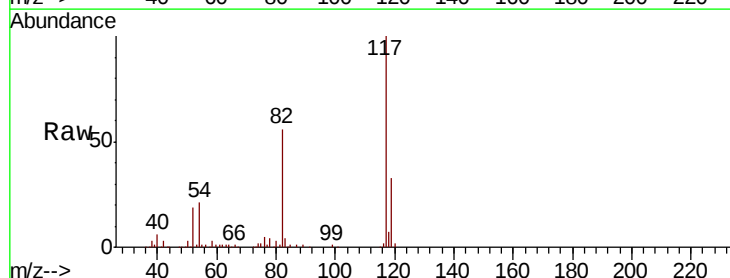
Tgt Ion: 117 Resp: 80676

Ion Ratio Lower Upper

117 100

82 55.6 43.2 64.8

119 32.9 26.3 39.5

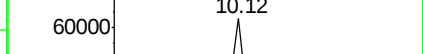
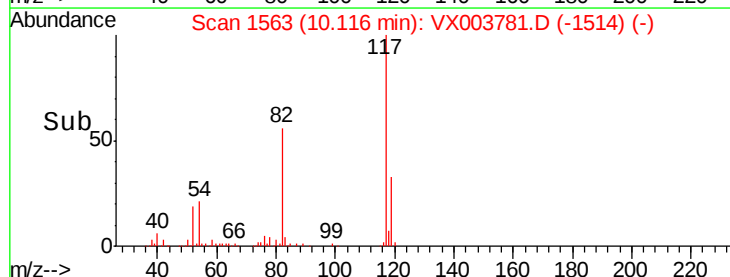


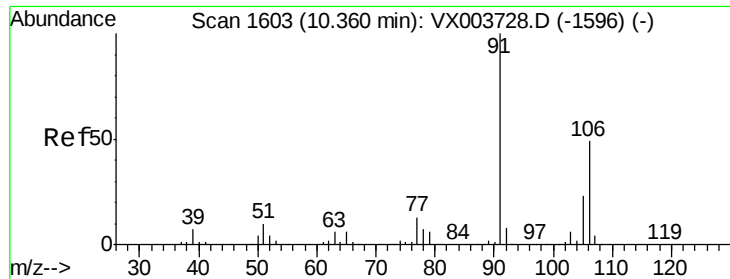
Abundance Ion 116.90 (116.60 to 117.60): VX003728.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX003728.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003728.D (-1556) (-)

Time-->

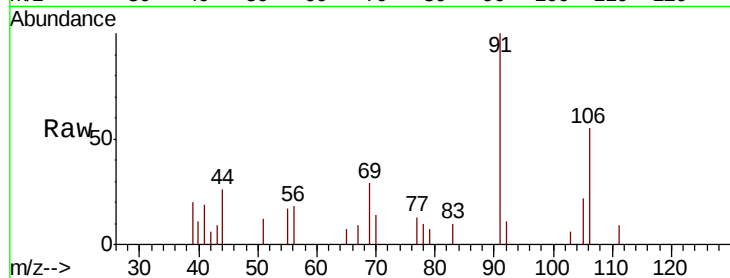




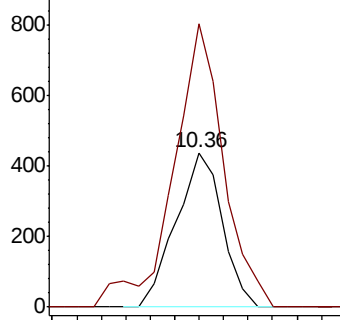
#68
m/p-Xvlenes
Concen: 0.52 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

Instrument :
MSVOA_X
ClientSampled :
GW-01(10-12)

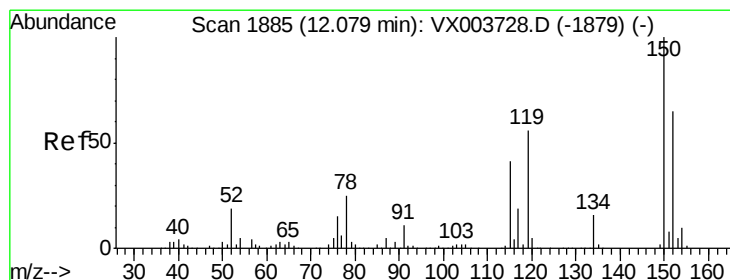
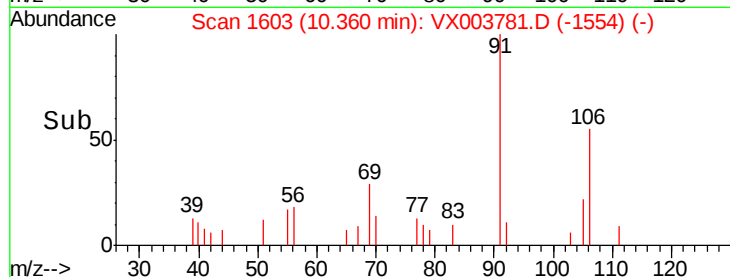
Tot Ion:106 Resp: 575
Ion Ratio Lower Upper
106 100
91 198.8 159.8 239.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

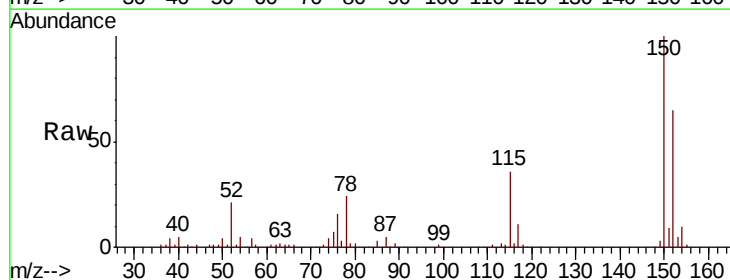


Time--> 10.30 10.35 10.40

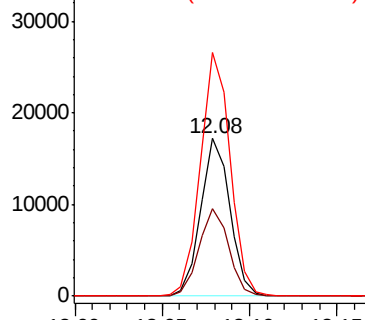


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

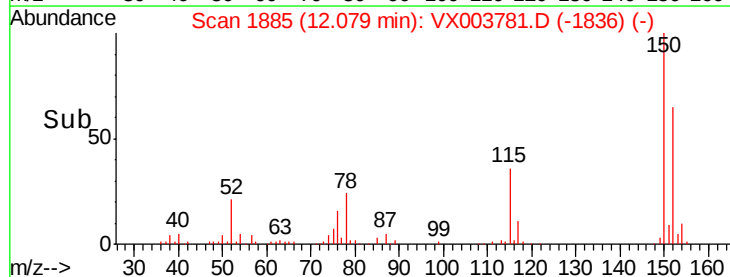
Tgt Ion:152 Resp: 20014
Ion Ratio Lower Upper
152 100
115 56.2 38.5 115.3
150 157.3 0.0 346.2

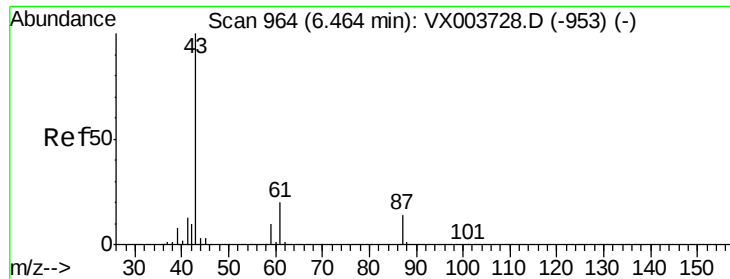


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time--> 12.00 12.05 12.10 12.15





#74

N-amvl acetate

Concen: 0.78 ug/l

RT: 6.28 min Scan# 934

Delta R.T. -0.18 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampleId :

GW-01(10-12)

Tot Ion: 43 Resp: 346

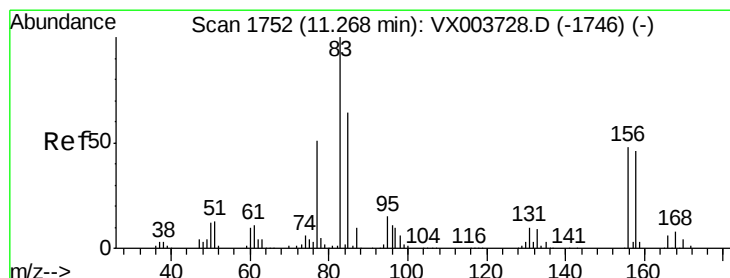
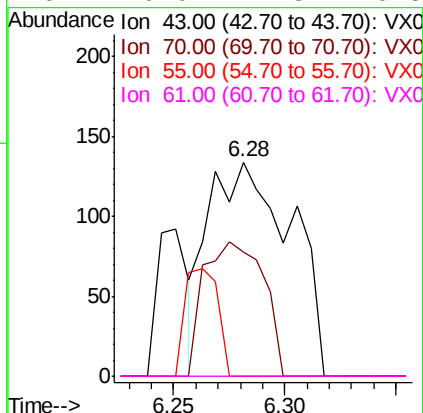
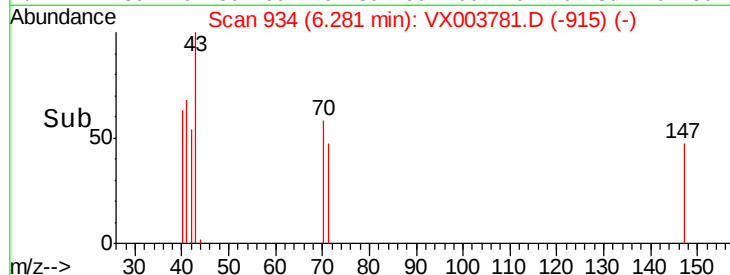
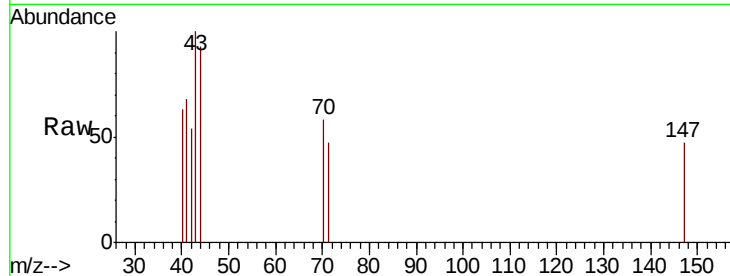
Ion Ratio Lower Upper

43 100

70 45.4 31.0 46.6

55 0.0 18.9 28.3#

61 0.0 17.8 26.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.49 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

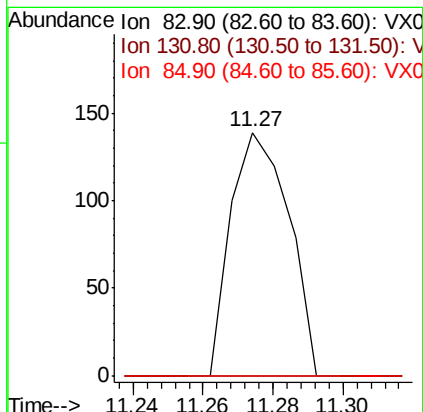
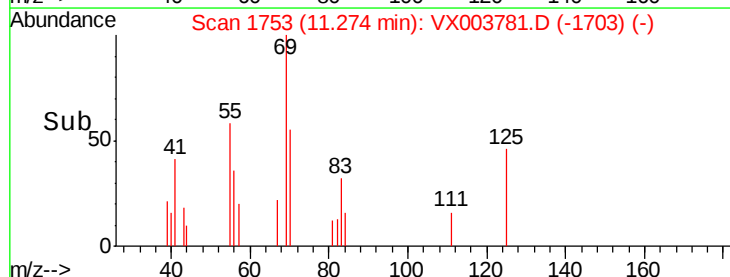
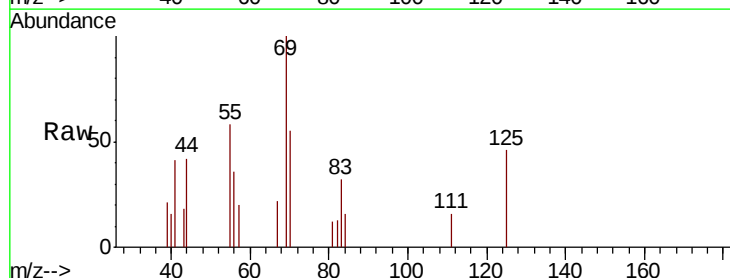
Tgt Ion: 83 Resp: 160

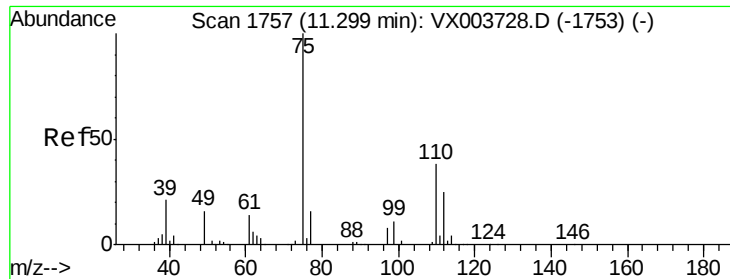
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 0.0 32.0 96.2#

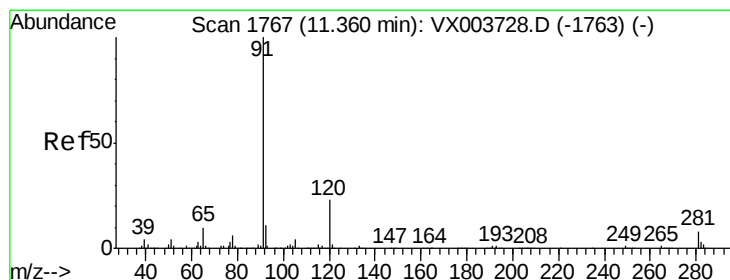
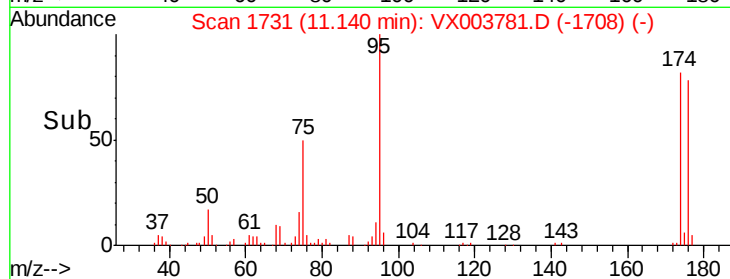
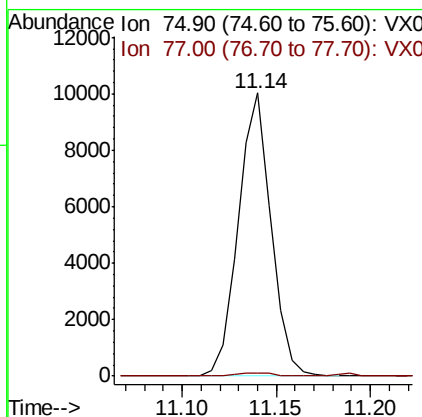
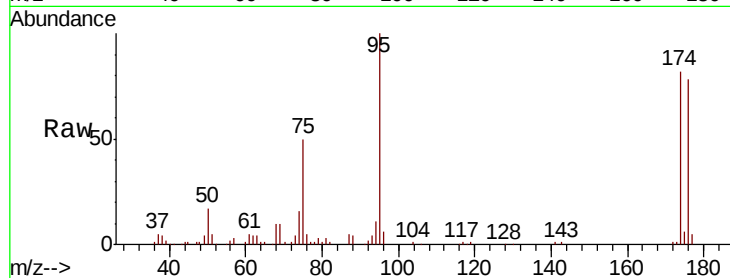




#76
 1,2,3-Trichloropropane
 Concen: 43.52 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

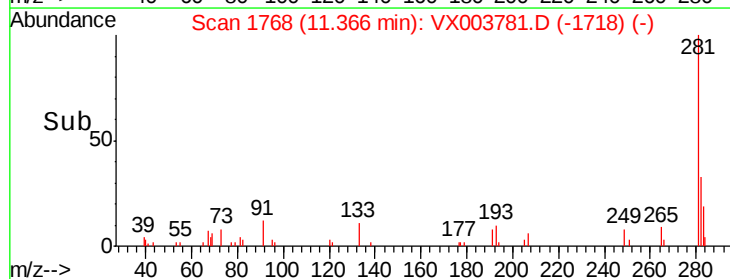
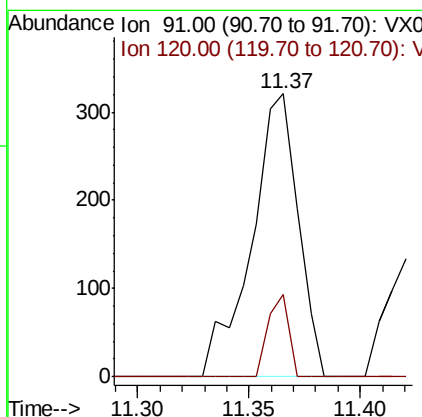
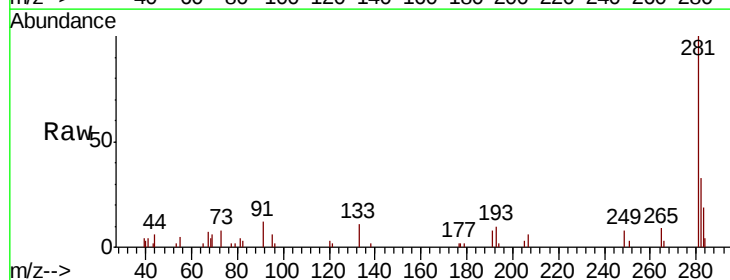
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-01(10-12)

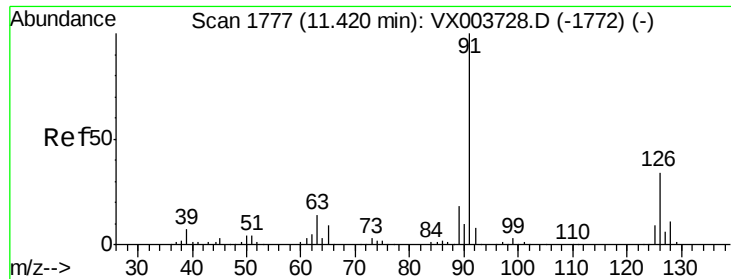
Tot Ion: 75 Resp: 12007
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 65.0#



#78
 n-propylbenzene
 Concen: 0.31 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. 0.01 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

Tgt Ion: 91 Resp: 468
 Ion Ratio Lower Upper
 91 100
 120 12.8 11.9 35.5

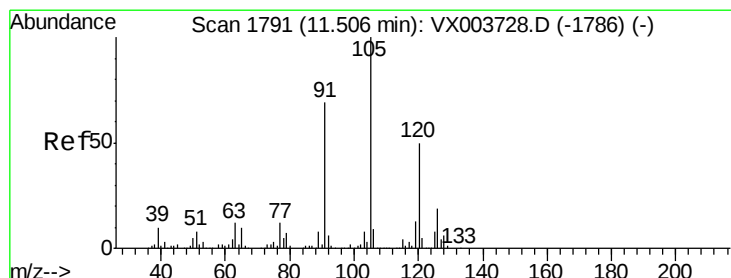
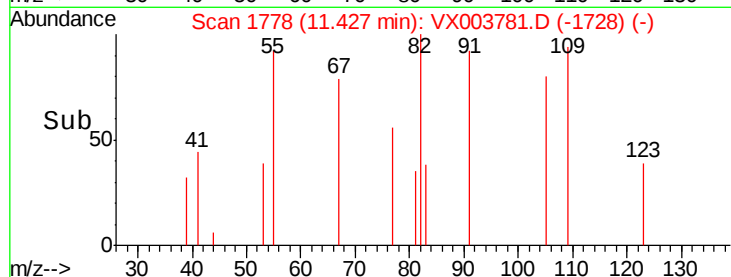
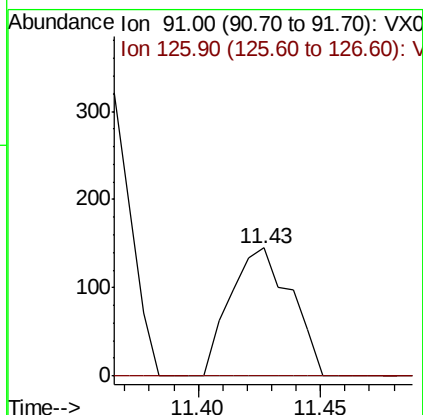
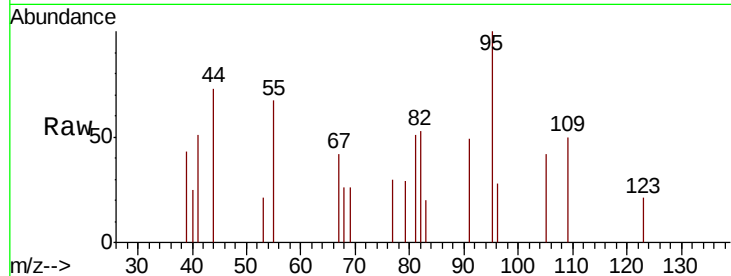




#79
 2-Chlorotoluene
 Concen: 0.29 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

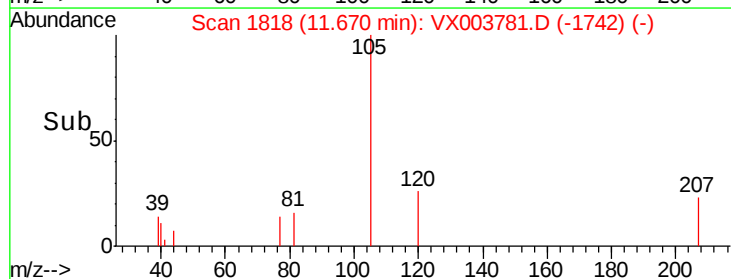
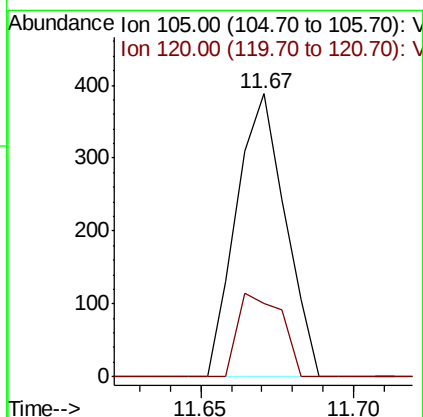
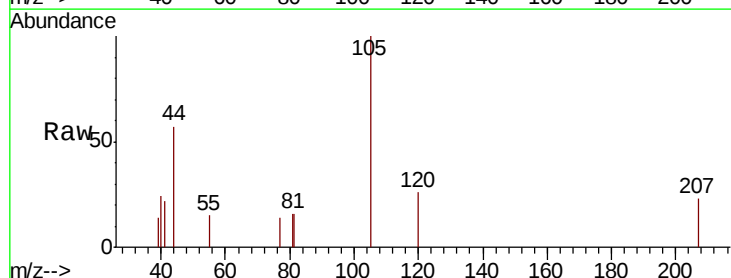
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-01(10-12)

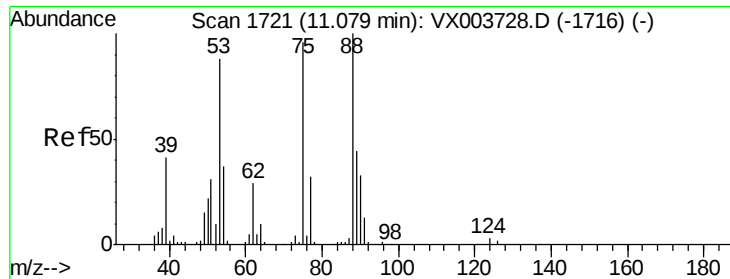
Tot Ion: 91 Resp: 253
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.6 52.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.40 ug/l
 RT: 11.67 min Scan# 1818
 Delta R.T. 0.16 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

Tgt Ion:105 Resp: 430
 Ion Ratio Lower Upper
 105 100
 120 26.0 15.8 47.4





#81

trans-1,4-Dichloro-2-butene

Concen: 128.92 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampled :

GW-01(10-12)

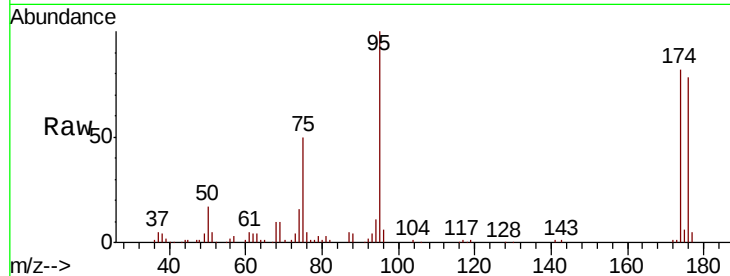
Tot Ion: 75 Resp: 12007

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

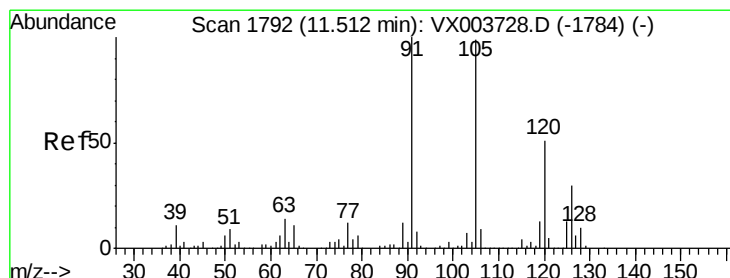
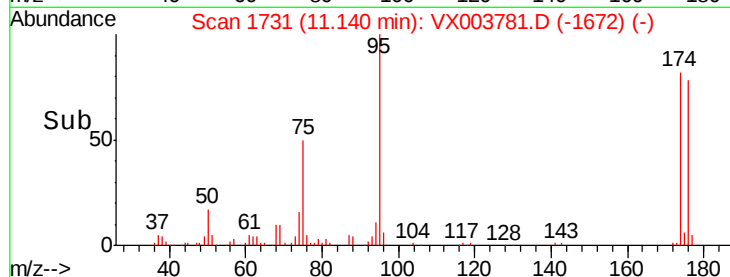
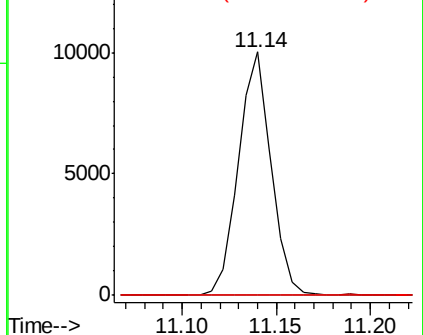
89 0.0 39.1 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.27 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX003781.D

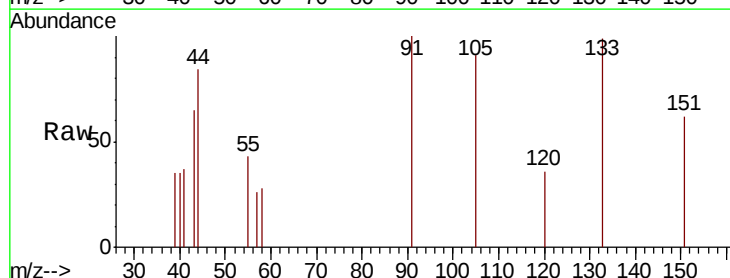
Acq: 01 Aug 2018 05:59

Tgt Ion: 91 Resp: 285

Ion Ratio Lower Upper

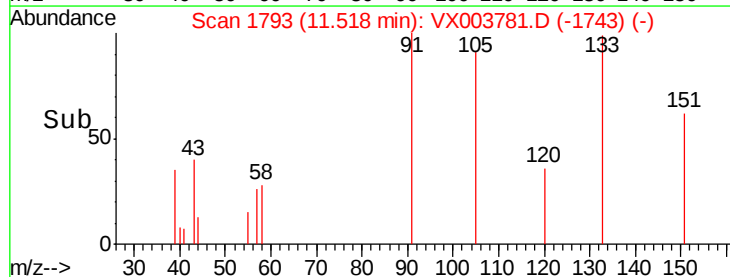
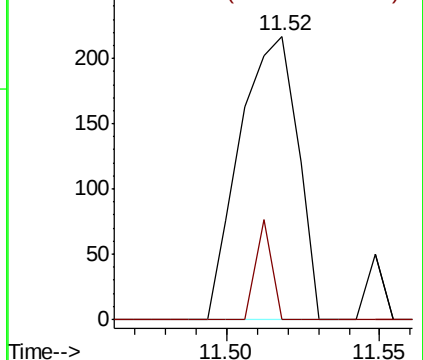
91 100

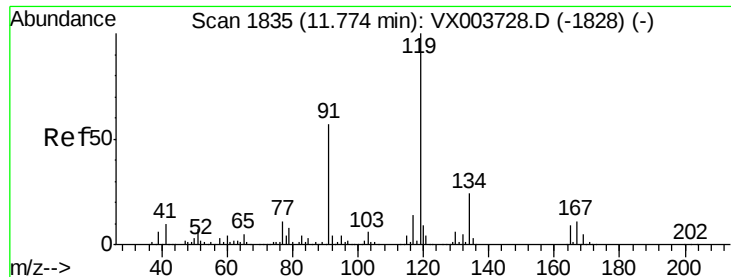
126 9.8 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.22 ug/l

RT: 11.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampled :

GW-01(10-12)

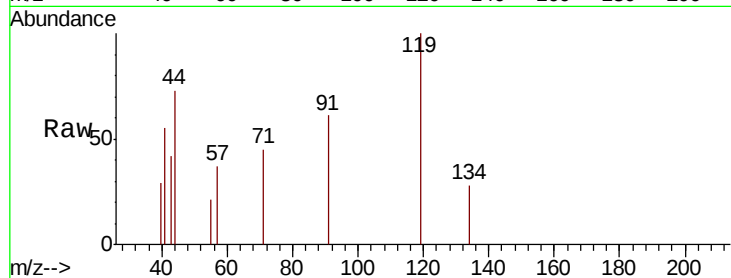
Tot Ion:119 Resp: 236

Ion Ratio Lower Upper

119 100

91 63.6 27.2 81.6

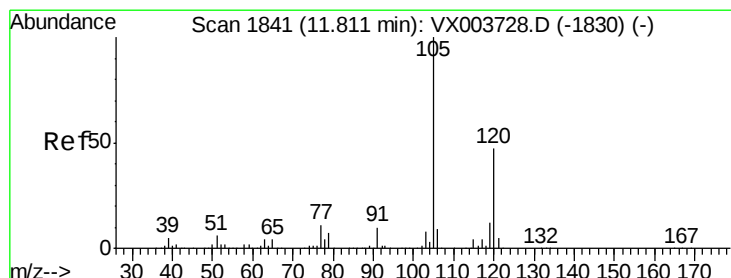
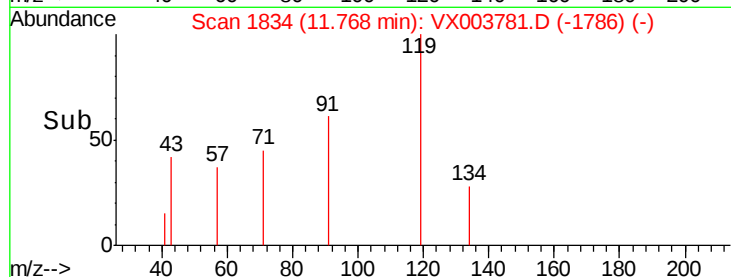
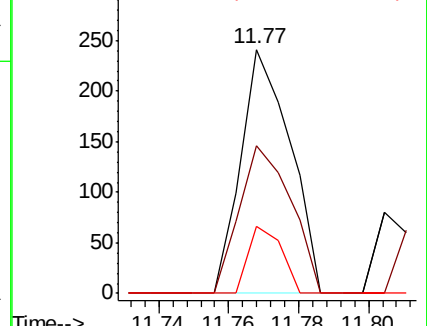
134 18.6 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.74 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003781.D

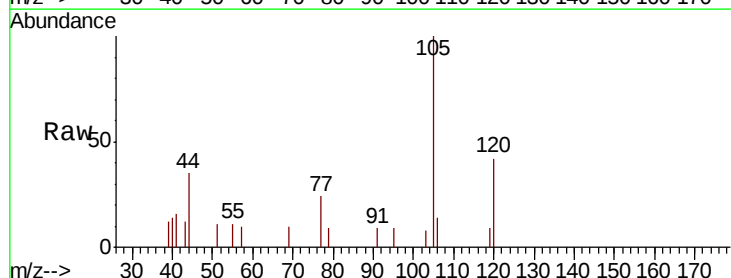
Acq: 01 Aug 2018 05:59

Tgt Ion:105 Resp: 819

Ion Ratio Lower Upper

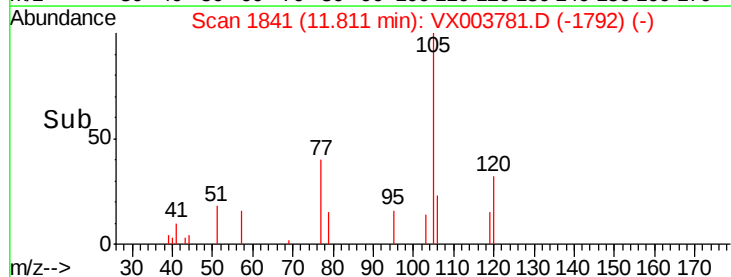
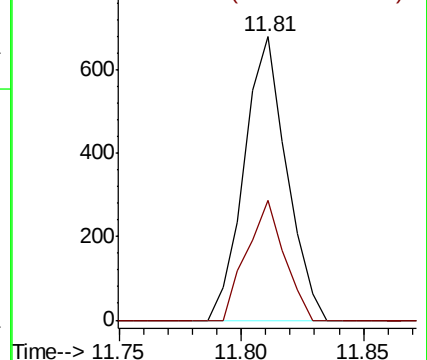
105 100

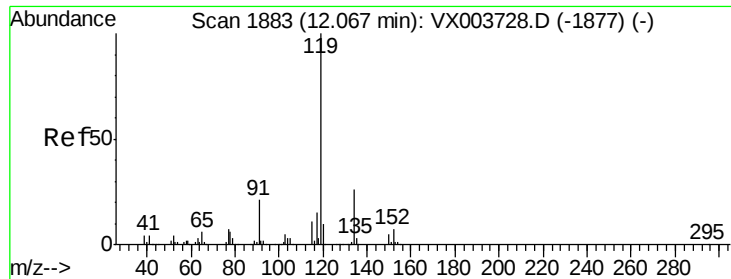
120 37.4 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

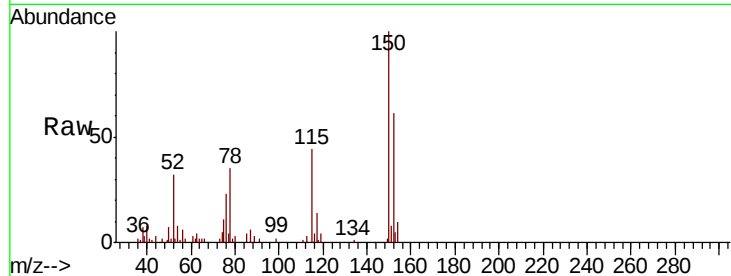




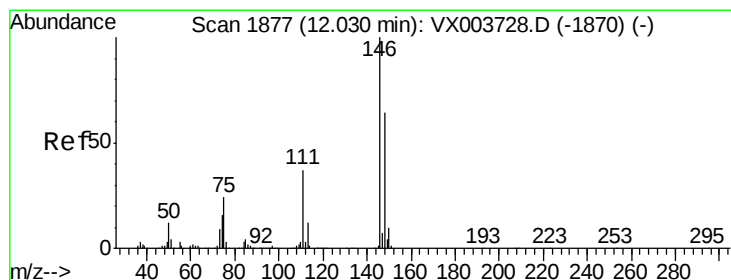
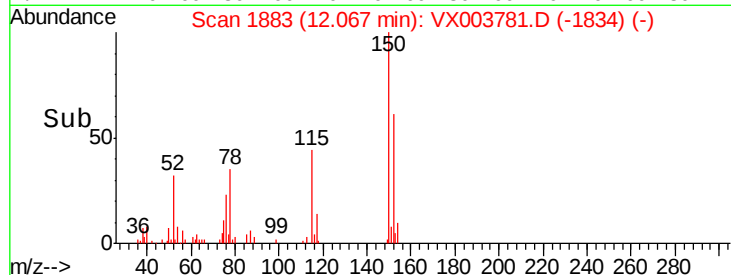
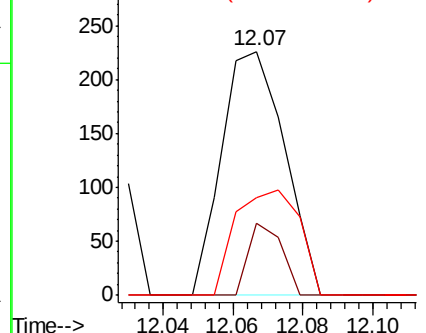
#86
 p-Isopropyltoluene
 Concen: 0.23 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

Instrument :
 MSVOA_X
 ClientSampleID :
 GW-01(10-12)

Tot Ion	Ratio	Lower	Upper
119	100		
134	15.5	10.1	30.1
91	43.5	23.6	70.8

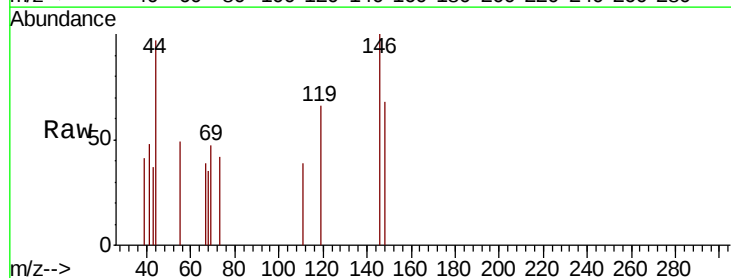


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

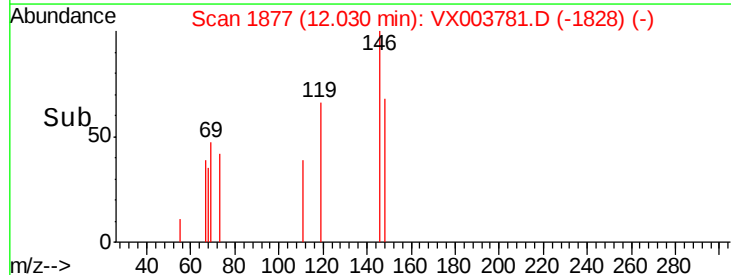
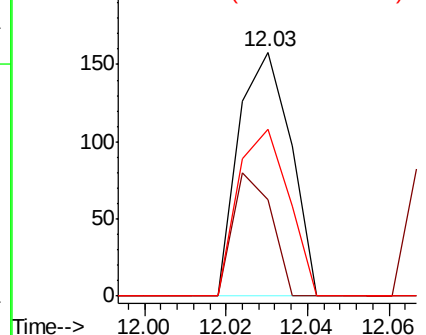


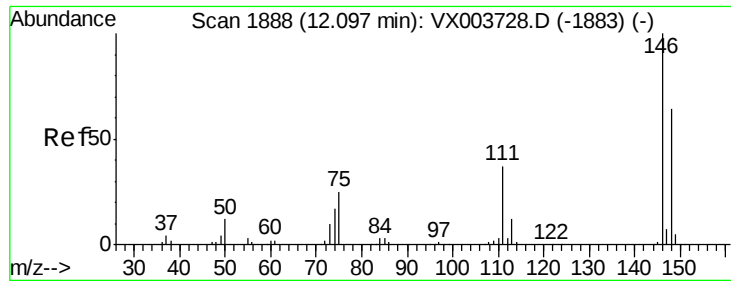
#87
 1,3-Dichlorobenzene
 Concen: 0.21 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003781.D
 Acq: 01 Aug 2018 05:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	66.9	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: 0.21 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampled :

GW-01(10-12)

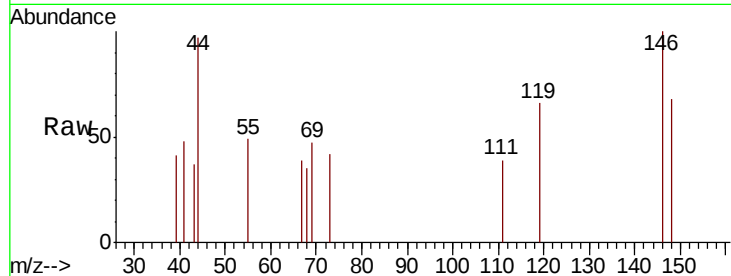
Tot Ion:146 Resp: 139

Ion Ratio Lower Upper

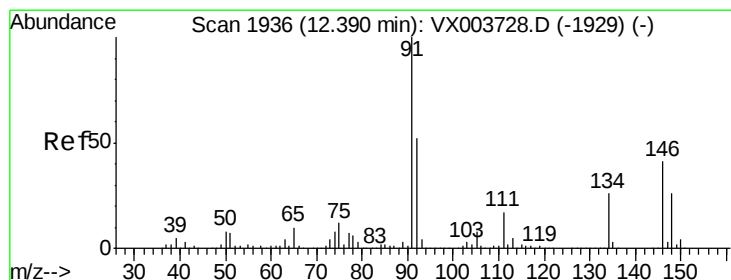
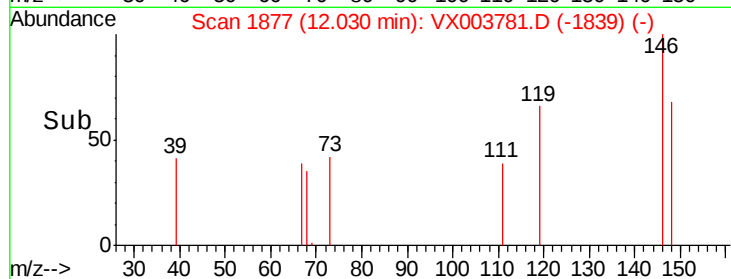
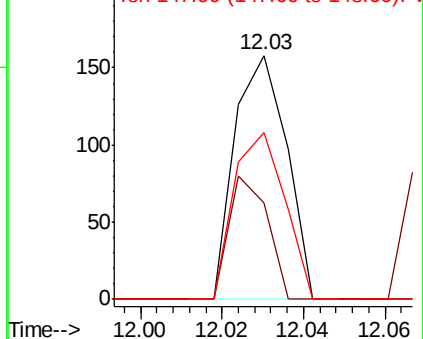
146 100

111 37.4 18.3 54.9

148 66.9 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: 0.25 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

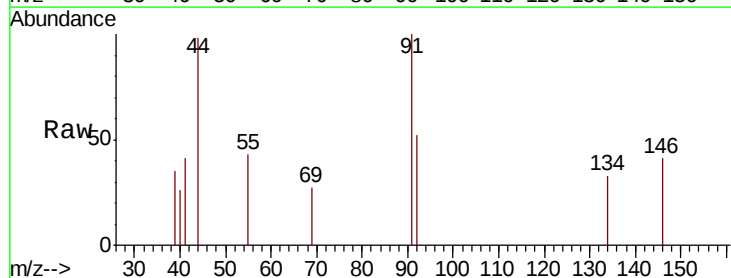
Tgt Ion: 91 Resp: 294

Ion Ratio Lower Upper

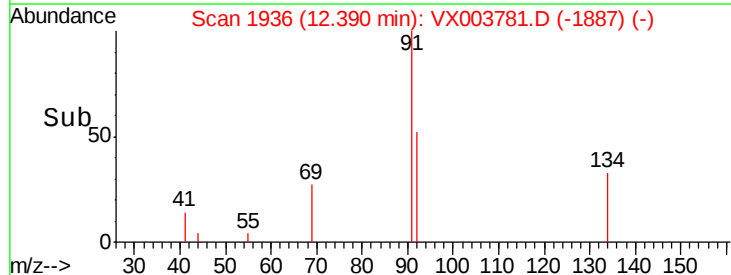
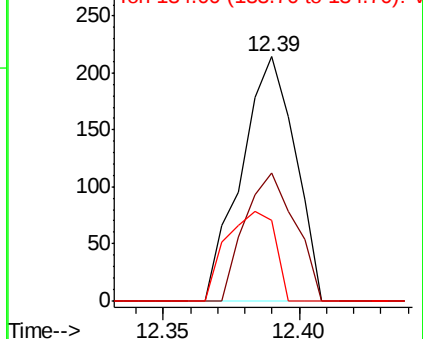
91 100

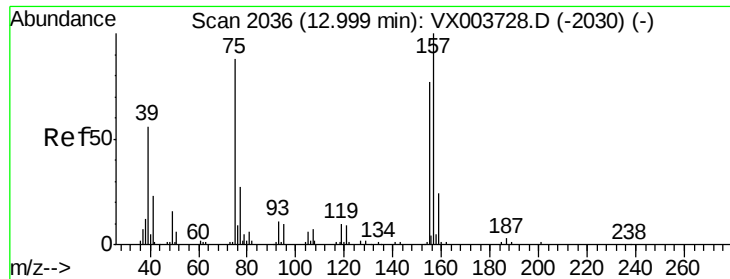
92 49.0 26.2 78.5

134 33.0 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





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.43 ug/l

RT: 12.81 min Scan# 2005

Delta R.T. -0.19 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

Instrument :

MSVOA_X

ClientSampleId :

GW-01(10-12)

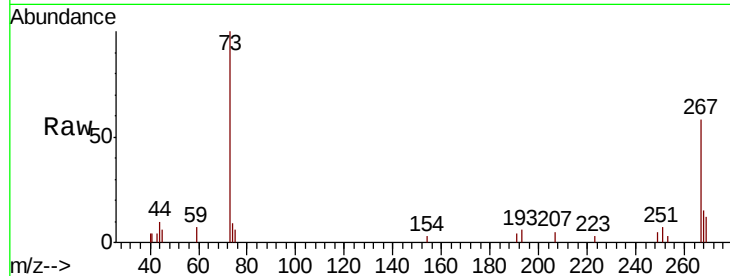
Tot Ion: 75 Resp: 157

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

157 0.0 63.7 191.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

150

100

50

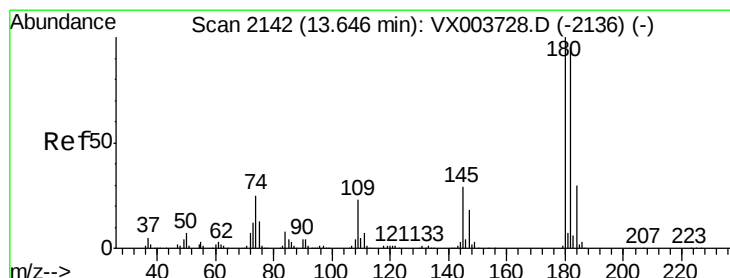
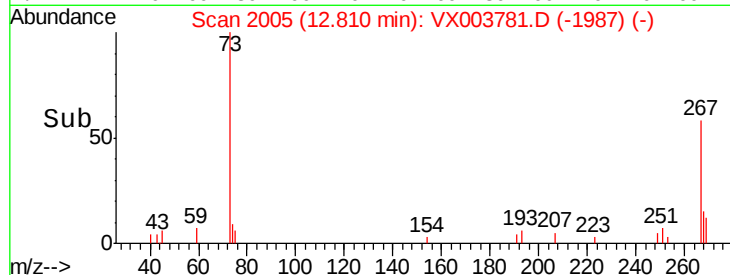
0

12.81

12.80

12.85

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.41 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VX003781.D

Acq: 01 Aug 2018 05:59

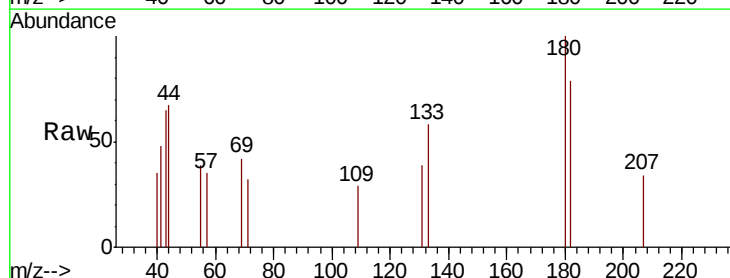
Tgt Ion: 180 Resp: 199

Ion Ratio Lower Upper

180 100

182 100.5 47.6 142.9

145 10.1 14.1 42.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

250

200

150

100

50

0

13.65

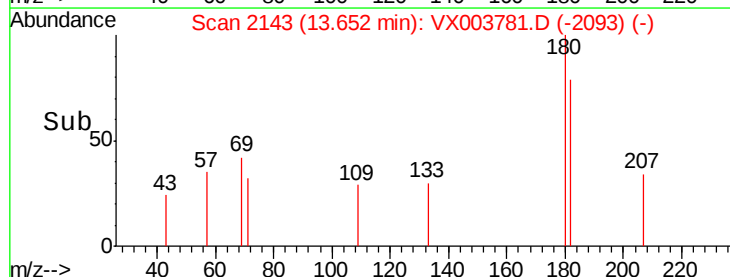
13.62

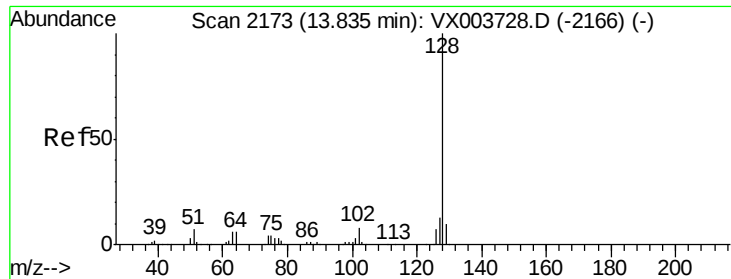
13.64

13.66

13.68

Time-->

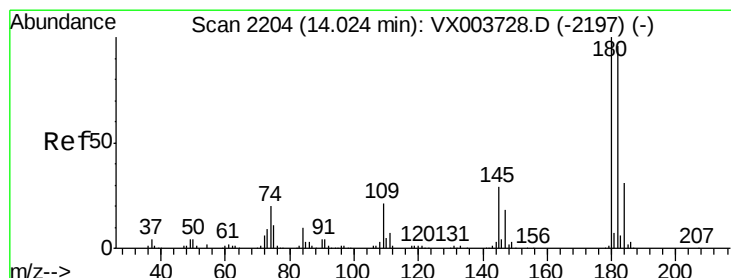
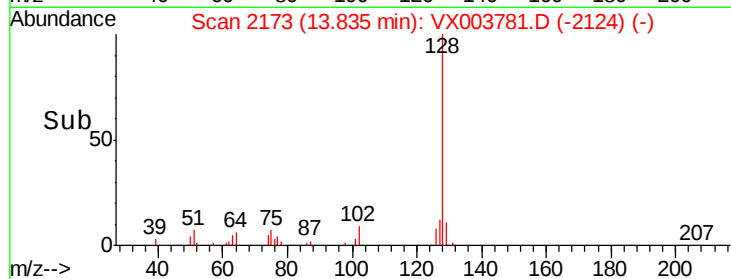
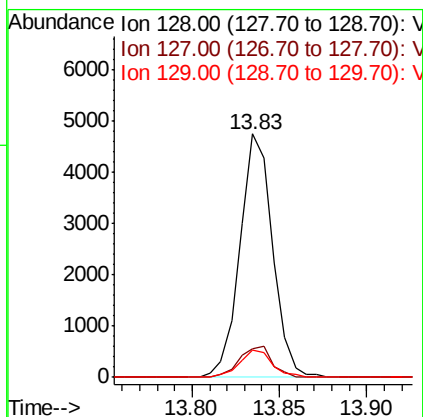
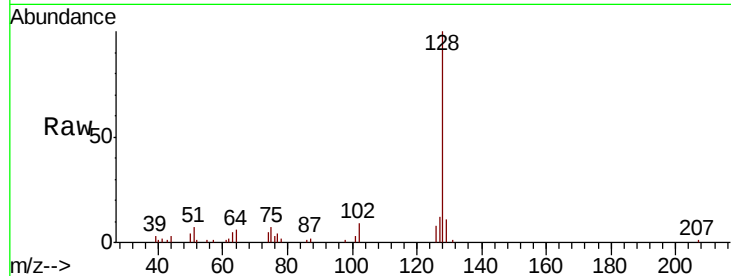




#95
Naphthalene
Concen: 5.89 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

Instrument :
MSVOA_X
ClientSampleId :
GW-01(10-12)

Tot Ion:128 Resp: 6145
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.42 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003781.D
Acq: 01 Aug 2018 05:59

Tgt Ion:180 Resp: 184
Ion Ratio Lower Upper
180 100
182 104.3 47.9 143.8
145 87.5 14.7 44.1#

