

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003782.D
 Acq On : 01 Aug 2018 06:24
 Operator : JC/SP
 Sample : J4143-07
 Misc : 12.38G/5.0mL/MSVOA X/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-02(3-5)

Quant Time: Aug 01 07:51:55 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	86857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	127019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	111694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	37440	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	45957	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
35) Dibromofluoromethane	5.50	113	37573	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	8.72	98	137933	44.23	ug/l	0.00
Spiked Amount			Recovery	=	88.46%	
62) 4-Bromofluorobenzene	11.14	95	36930	32.12	ug/l	0.00
Spiked Amount			Recovery	=	64.24%	

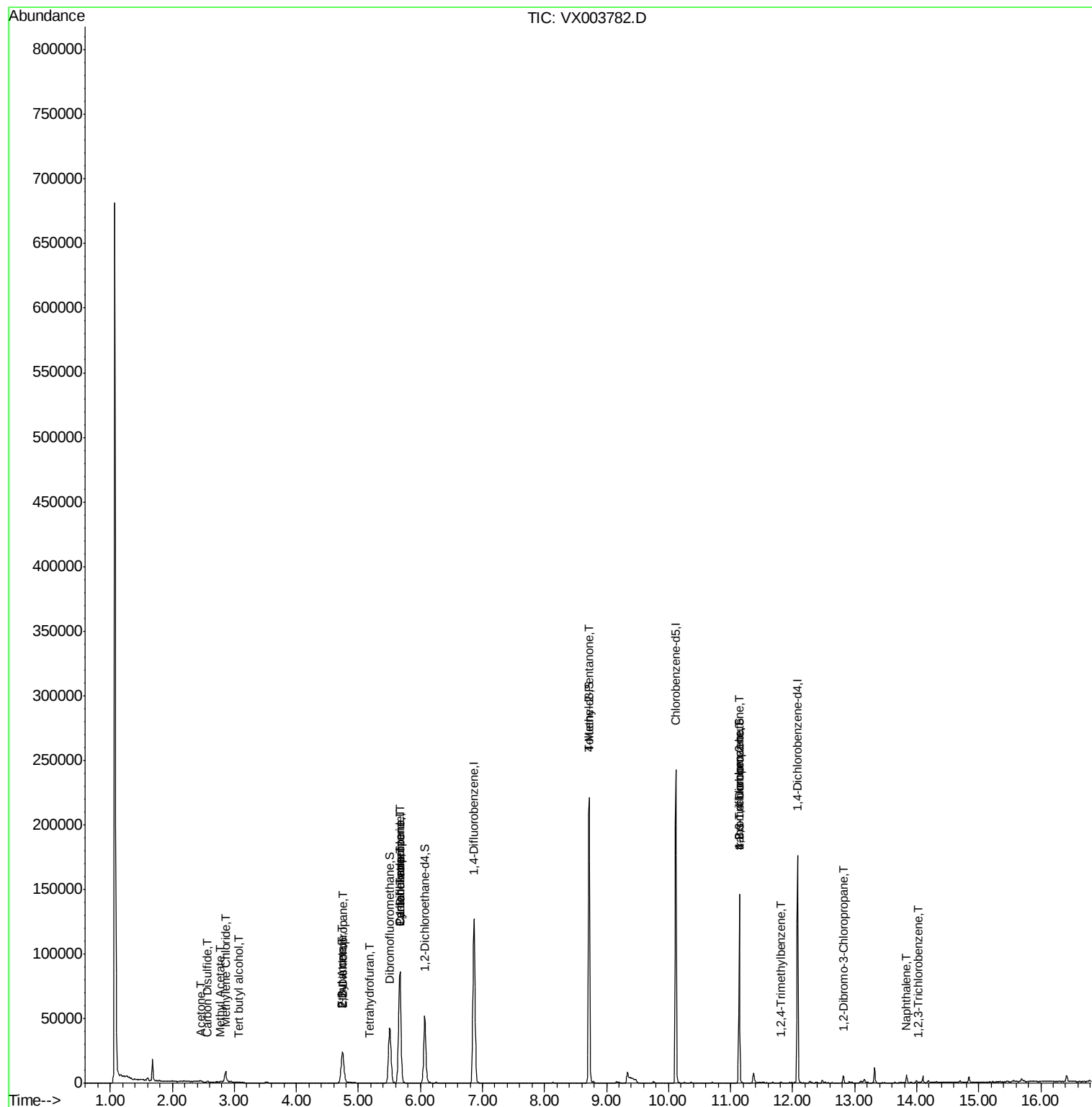
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	109	Below Cal	#	74
11) Tert butyl alcohol	3.07	59	495	3.48	ug/l #	73
16) Acetone	2.45	43	732	2.18	ug/l #	83
17) Carbon Disulfide	2.56	76	592	0.23	ug/l #	64
18) Methyl Acetate	2.78	43	557	0.59	ug/l #	83
20) Methylene Chloride	2.86	84	3772	1.16	ug/l	91
25) 2-Butanone	4.73	43	1565	3.20	ug/l #	70
26) 2,2-Dichloropropane	4.75	77	2063	1.81	ug/l #	51
29) Tetrahydrofuran	5.17	42	89	0.29	ug/l #	33
31) Cyclohexane	5.67	56	1636	1.17	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	6461	5.43	ug/l #	48
37) Ethyl Acetate	4.73	43	1565	1.71	ug/l #	1
38) Carbon Tetrachloride	5.67	117	8248	7.50	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	633	0.71	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	17283	33.49	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	17283	99.20	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	474	0.23	ug/l	74
92) 1,2-Dibromo-3-Chloropropan	12.82	75	118	0.98	ug/l #	1
95) Naphthalene	13.83	128	3733	1.91	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	177	0.21	ug/l #	84

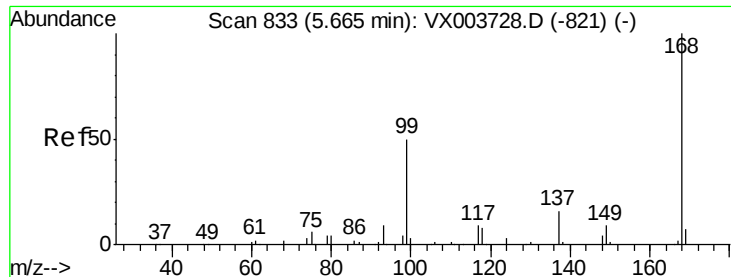
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GW-02(3-5)

Quant Time: Aug 01 07:51:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003782.D

Acq: 01 Aug 2018 06:24

Instrument :

MSVOA_X

ClientSampled :

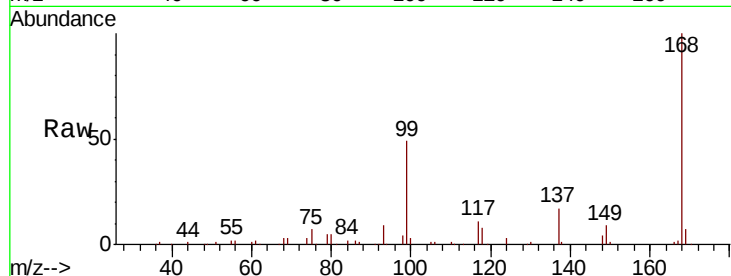
GW-02(3-5)

Tot Ion:168 Resp: 86857

Ion Ratio Lower Upper

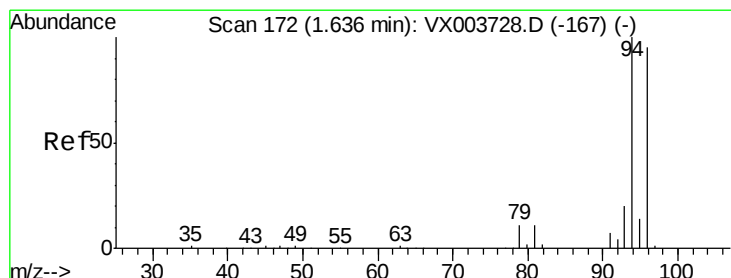
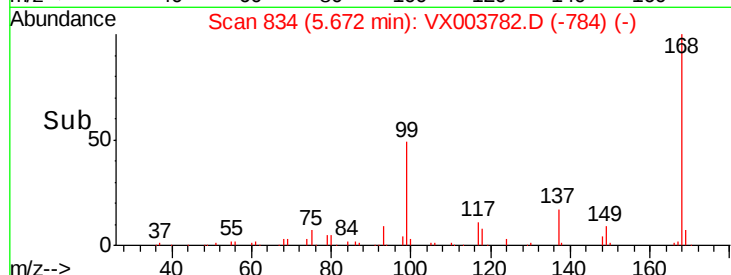
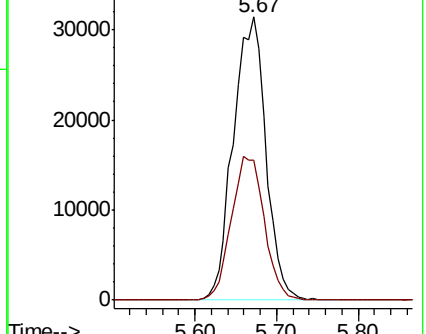
168 100

99 49.4 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: VX003782.D

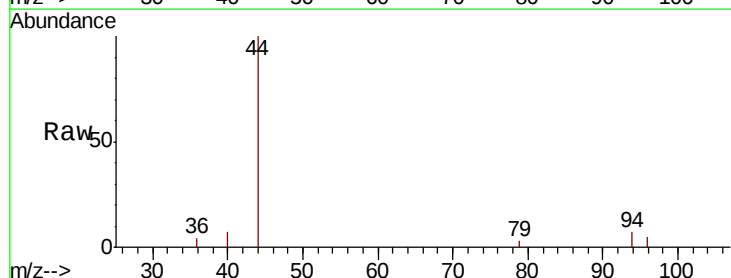
Acq: 01 Aug 2018 06:24

Tgt Ion: 94 Resp: 109

Ion Ratio Lower Upper

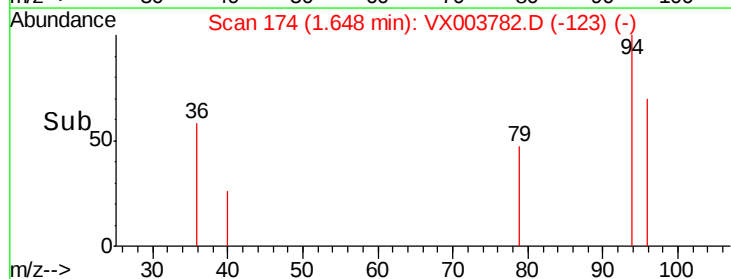
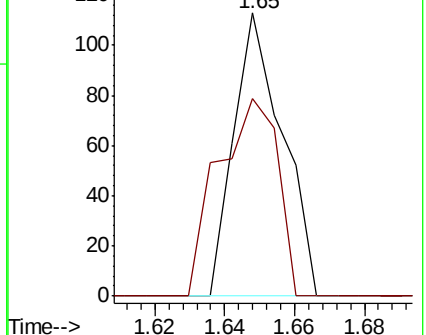
94 100

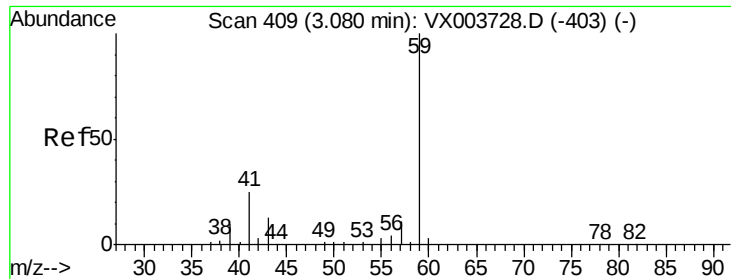
96 69.9 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

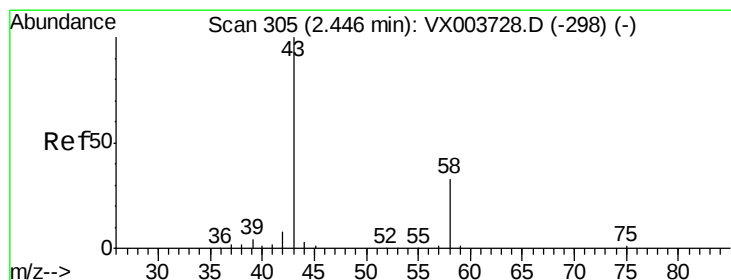
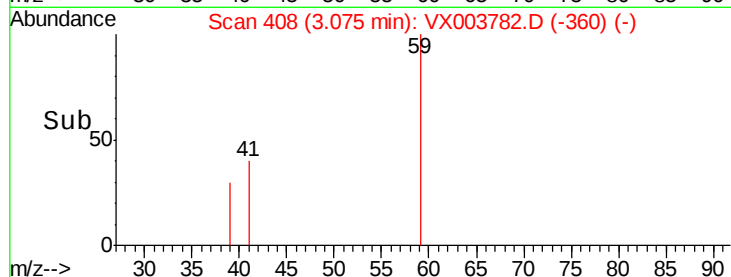
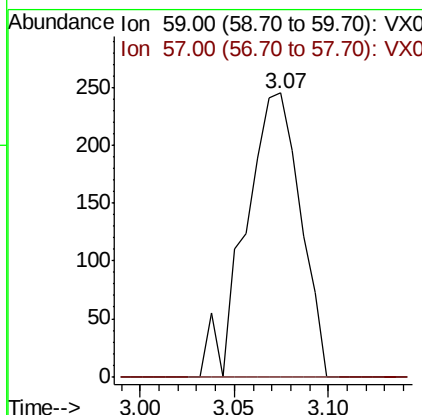
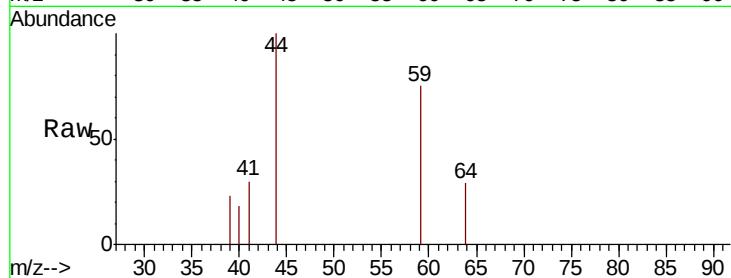




#11
Tert butyl alcohol
Concen: 3.48 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

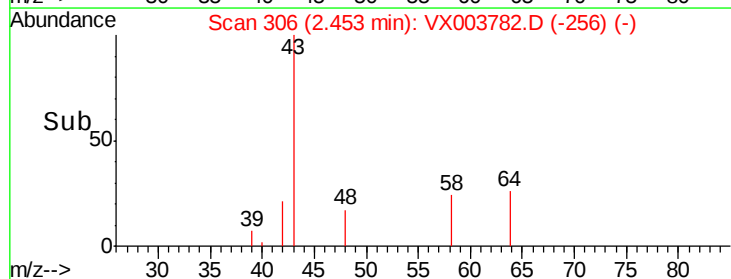
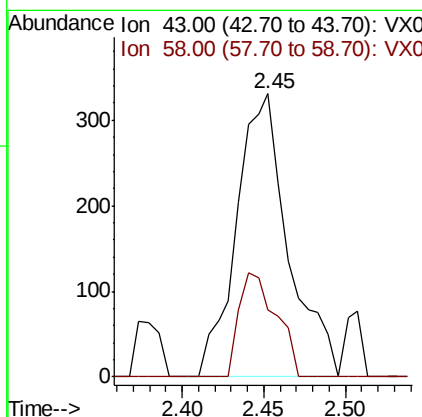
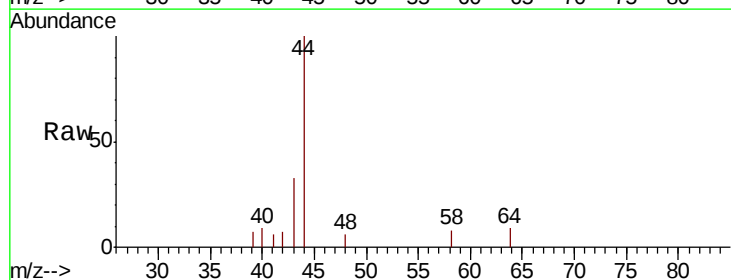
Instrument :
MSVOA_X
ClientSampled :
GW-02(3-5)

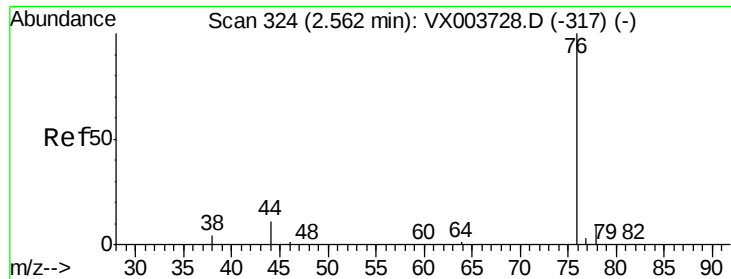
Tot Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 2.18 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 23.6 26.7 40.1#





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 2.56 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX003782.D

Acq: 01 Aug 2018 06:24

Instrument :

MSVOA_X

ClientSampleId :

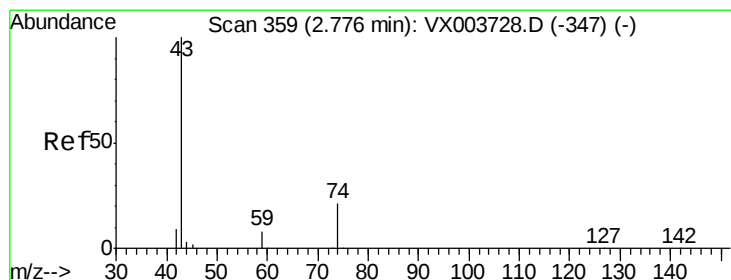
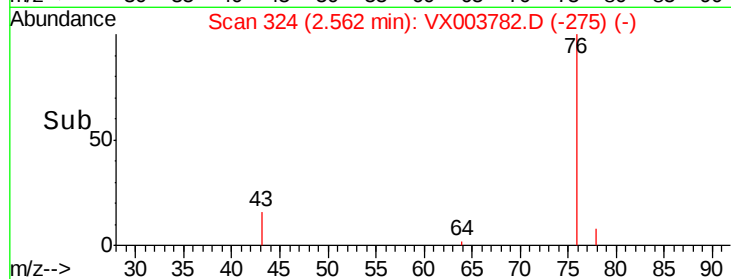
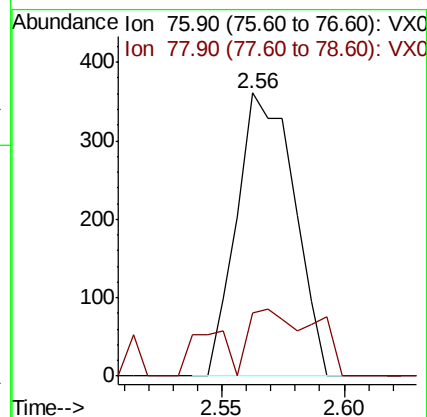
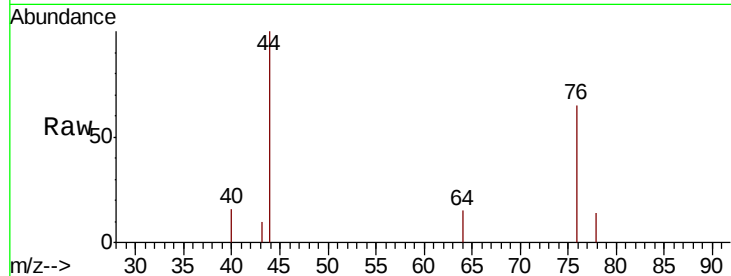
GW-02(3-5)

Tot Ion: 76 Resp: 592

Ion Ratio Lower Upper

76 100

78 22.2 7.3 10.9#



#18

Methyl Acetate

Concen: 0.59 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003782.D

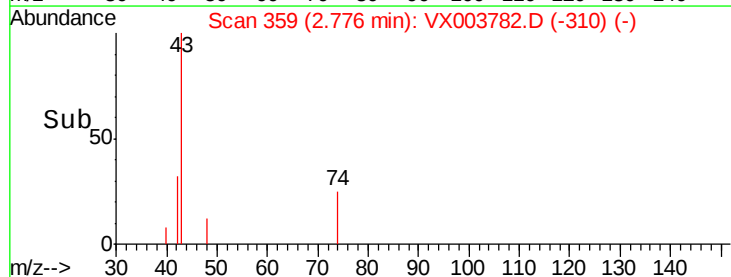
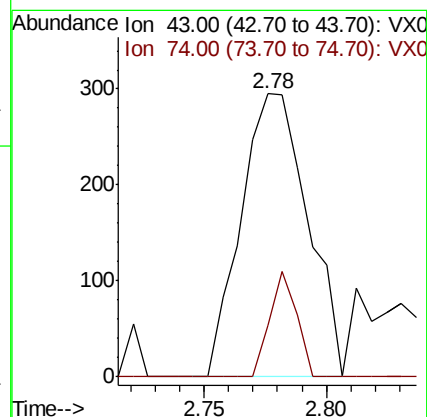
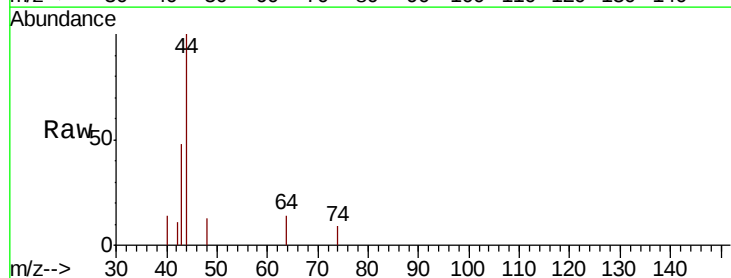
Acq: 01 Aug 2018 06:24

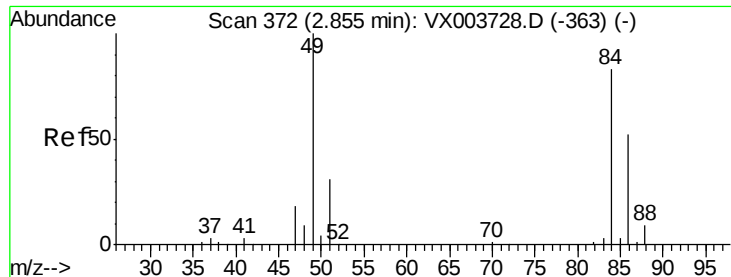
Tgt Ion: 43 Resp: 557

Ion Ratio Lower Upper

43 100

74 15.1 18.9 28.3#

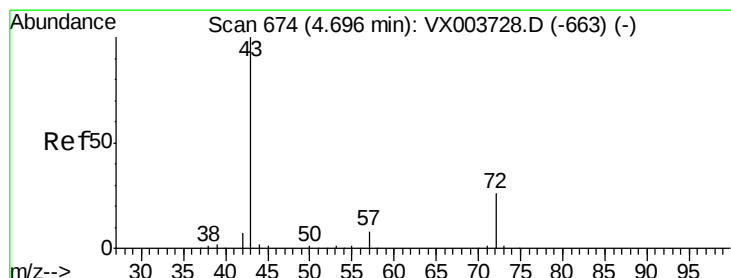
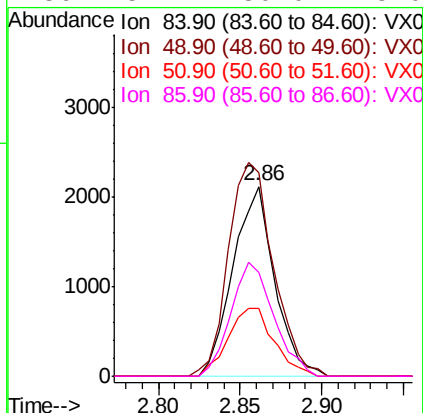
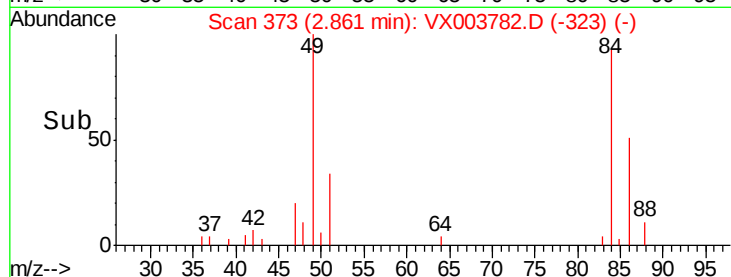
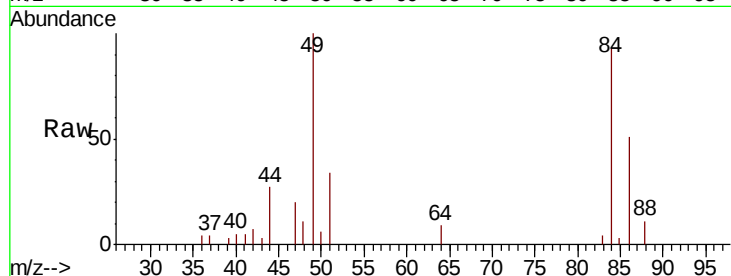




#20
Methylene Chloride
Concen: 1.16 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

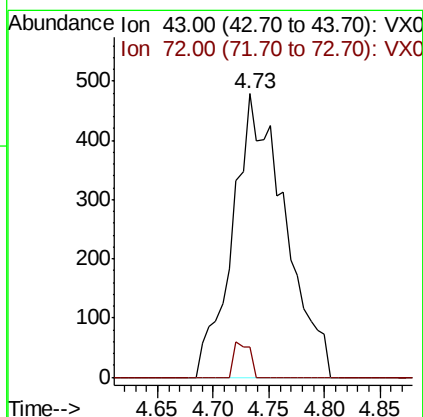
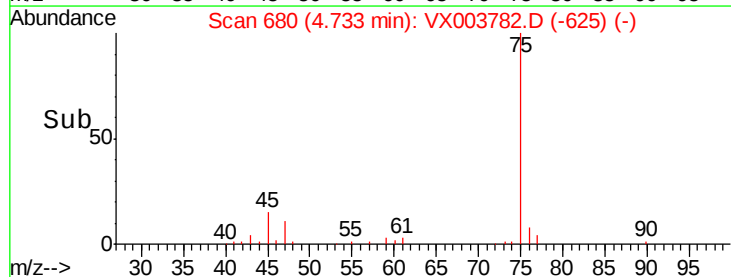
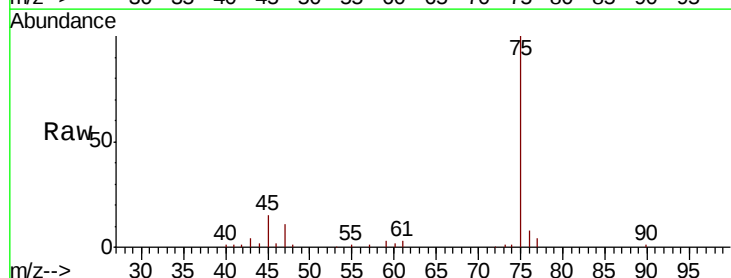
Instrument :
MSVOA_X
ClientSampleId :
GW-02(3-5)

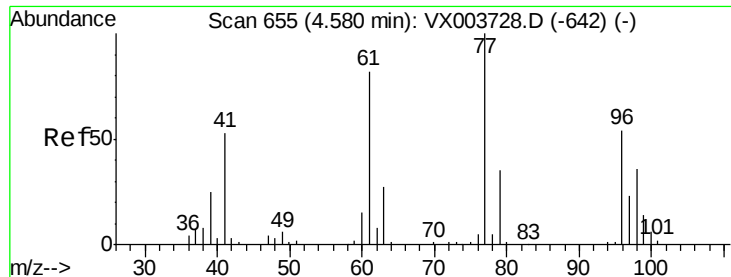
Tot Ion: 84 Resp: 3772
Ion Ratio Lower Upper
84 100
49 107.1 95.8 143.8
51 35.9 29.6 44.4
86 54.7 50.0 75.0



#25
2-Butanone
Concen: 3.20 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.04 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

Tgt Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
72 10.9 20.9 31.3#





#26

2,2-Dichloropropane

Concen: 1.81 ug/l

RT: 4.75 min Scan# 682

Delta R.T. 0.16 min

Lab File: VX003782.D

Acq: 01 Aug 2018 06:24

Instrument :

MSVOA_X

ClientSampled :

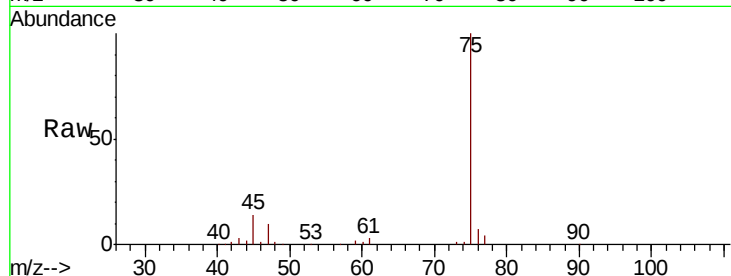
GW-02(3-5)

Tot Ion: 77 Resp: 2063

Ion Ratio Lower Upper

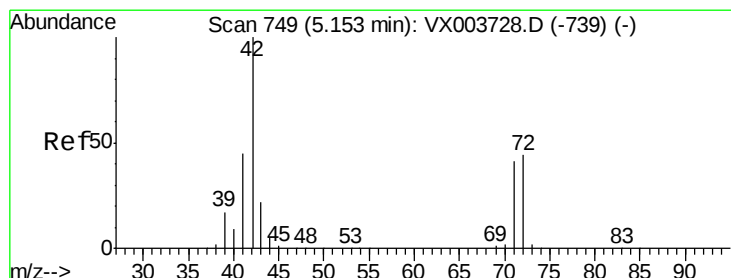
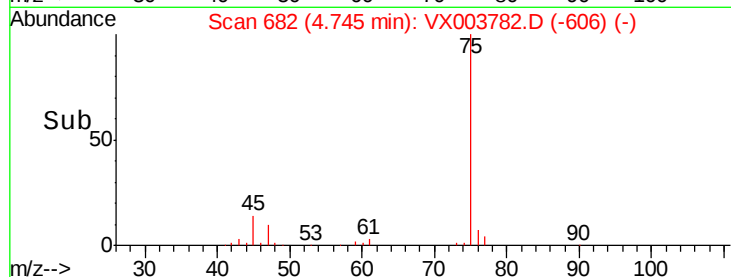
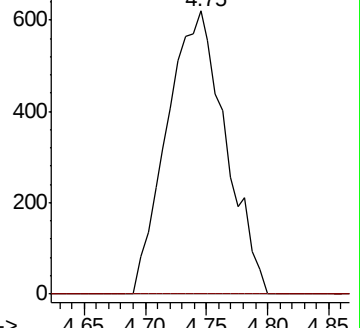
77 100

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: 0.29 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.02 min

Lab File: VX003782.D

Acq: 01 Aug 2018 06:24

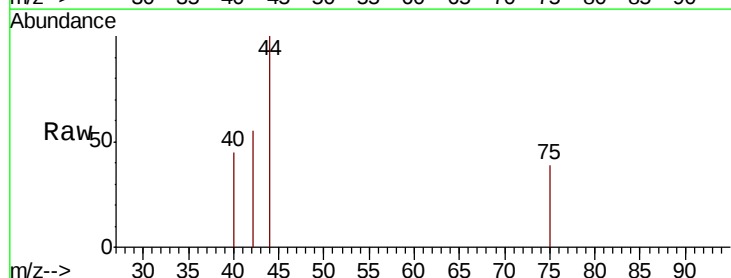
Tgt Ion: 42 Resp: 89

Ion Ratio Lower Upper

42 100

72 0.0 35.6 53.4#

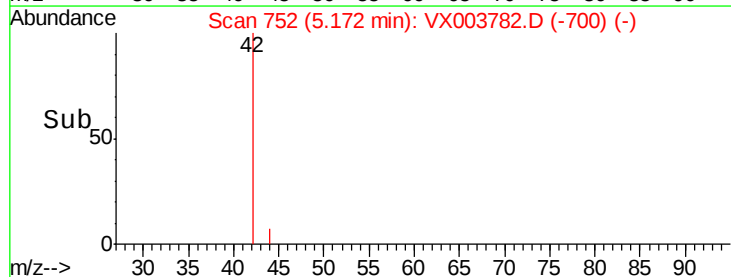
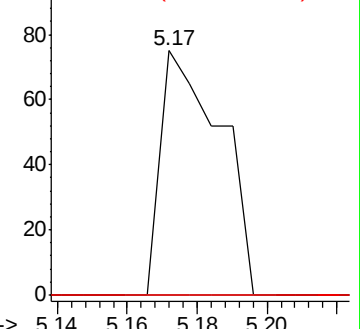
71 0.0 33.4 50.0#

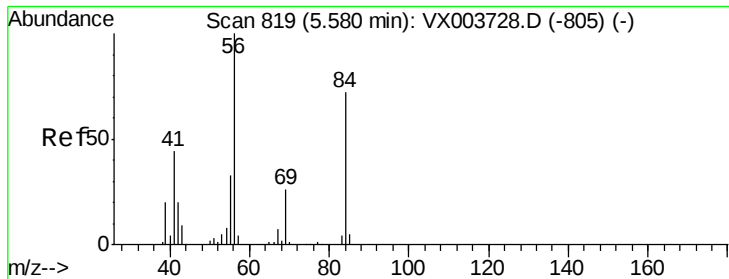


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

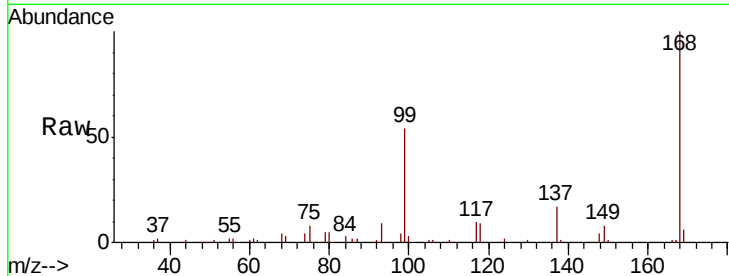




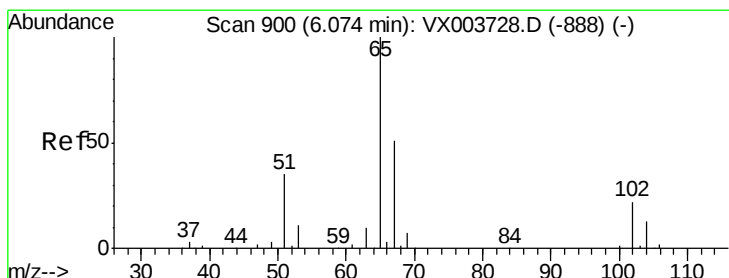
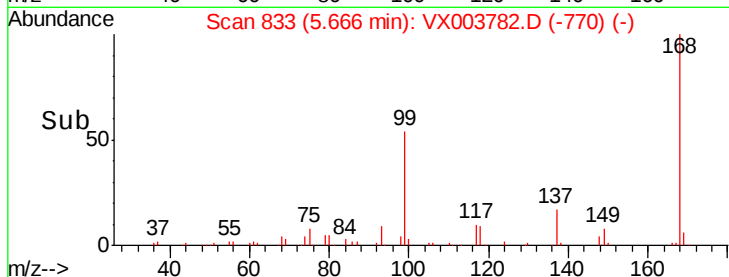
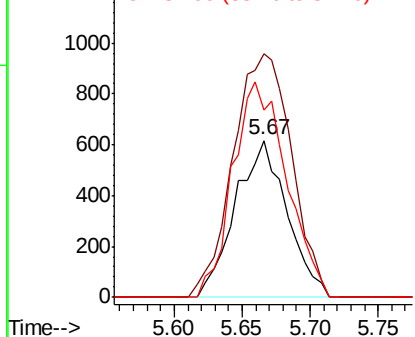
#31
Cyclohexane
Concen: 1.17 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

Instrument :
MSVOA_X
ClientSampleId :
GW-02(3-5)

Tot Ion: 56 Resp: 1636
Ion Ratio Lower Upper
56 100
69 155.0 20.6 30.8#
84 119.6 57.9 86.9#

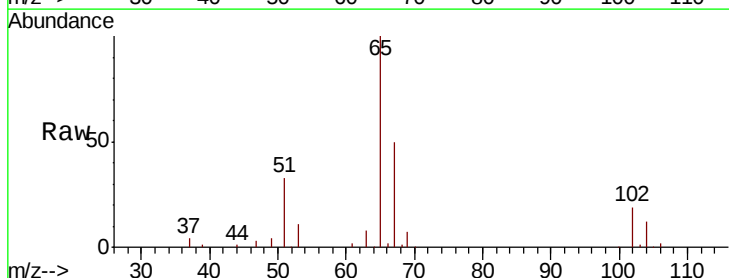


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

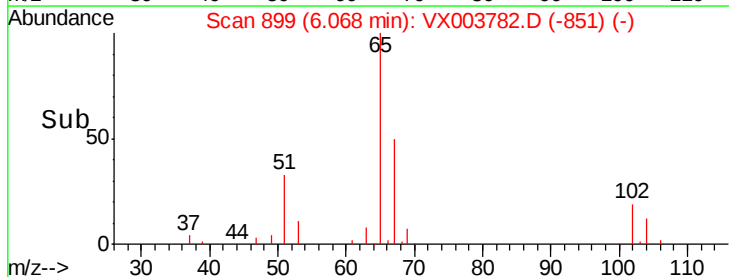
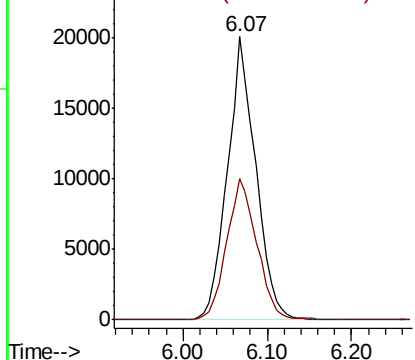


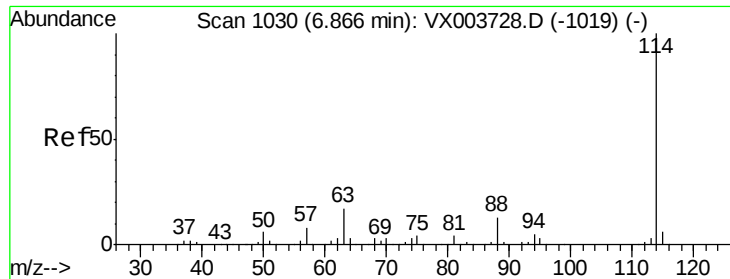
#33
1,2-Dichloroethane-d4
Concen: 52.32 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

Tgt Ion: 65 Resp: 45957
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

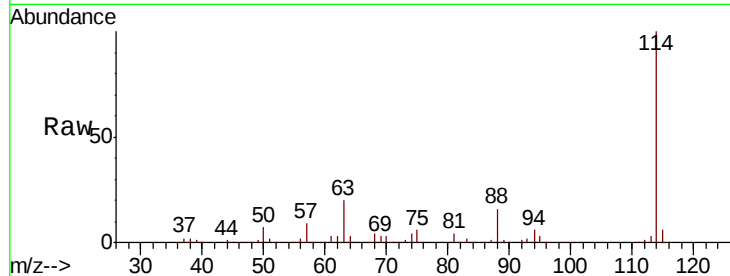




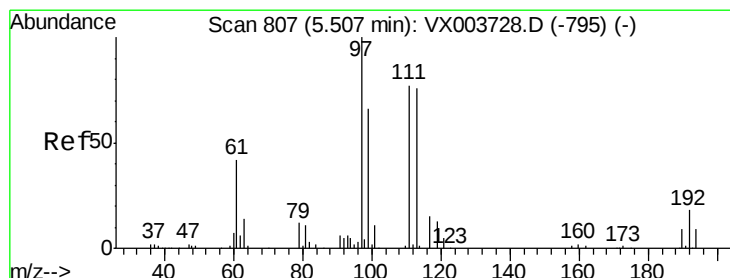
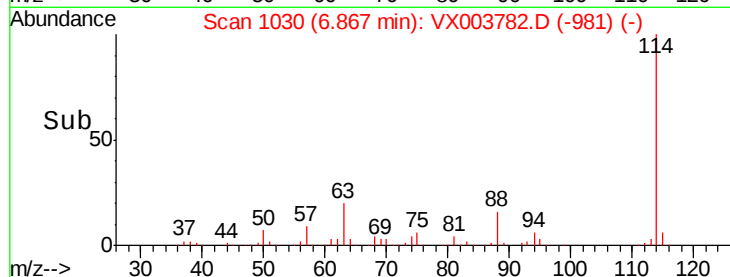
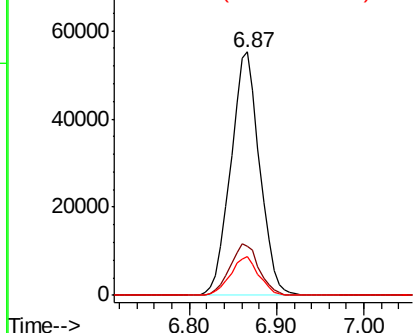
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003782.D
 Acq: 01 Aug 2018 06:24

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-02(3-5)

Tot Ion:114 Resp: 127019
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 34.0
 88 15.7 0.0 26.4

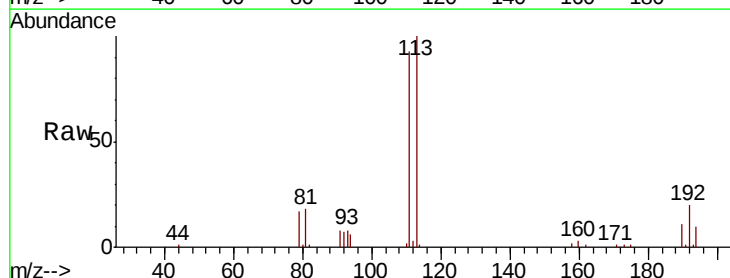


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

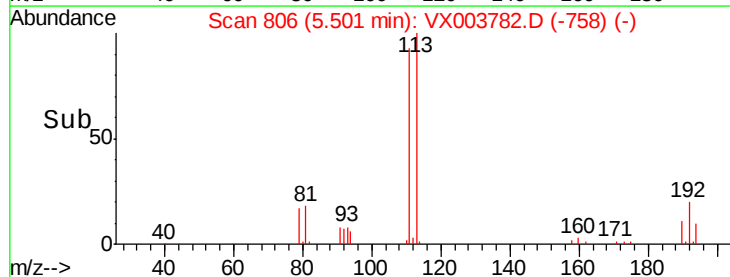
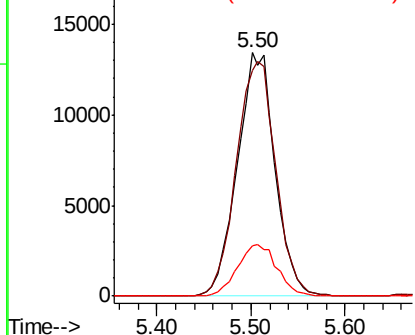


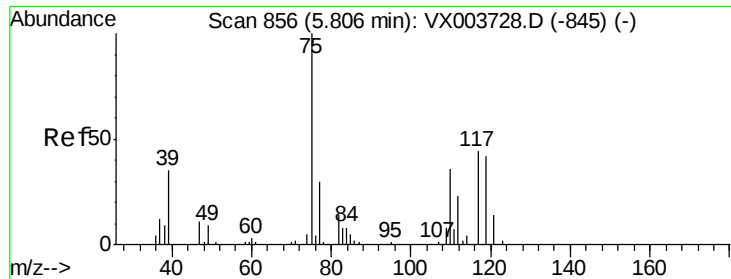
#35
 Dibromofluoromethane
 Concen: 50.24 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003782.D
 Acq: 01 Aug 2018 06:24

Tgt Ion:113 Resp: 37573
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.8 122.6
 192 22.2 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: 5.43 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX003782.D

Acq: 01 Aug 2018 06:24

Instrument :

MSVOA_X

ClientSampleId :

GW-02(3-5)

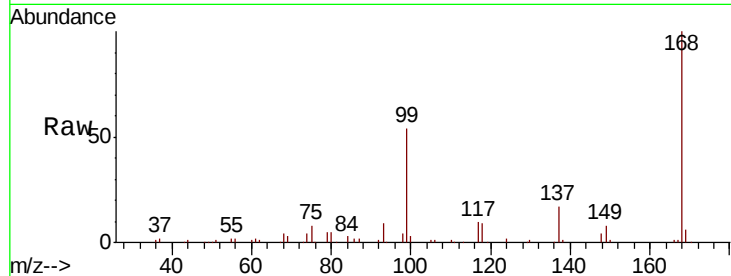
Tot Ion: 75 Resp: 6461

Ion Ratio Lower Upper

75 100

110 7.8 18.3 54.8#

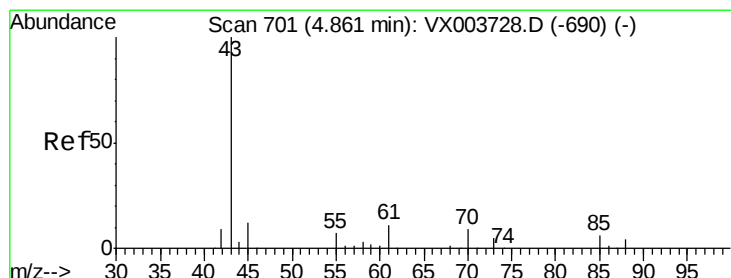
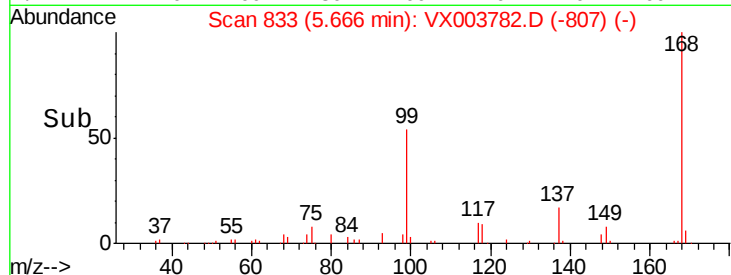
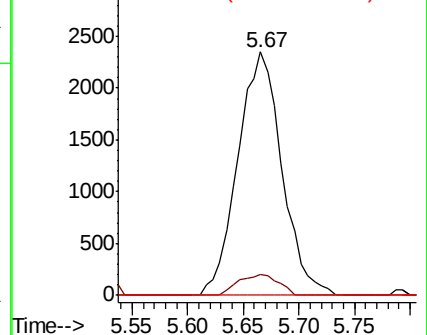
77 0.0 25.1 37.7#



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: 1.71 ug/l

RT: 4.73 min Scan# 680

Delta R.T. -0.13 min

Lab File: VX003782.D

Acq: 01 Aug 2018 06:24

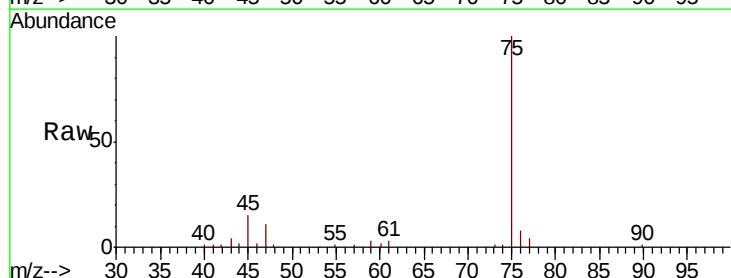
Tgt Ion: 43 Resp: 1565

Ion Ratio Lower Upper

43 100

61 79.7 11.4 17.0#

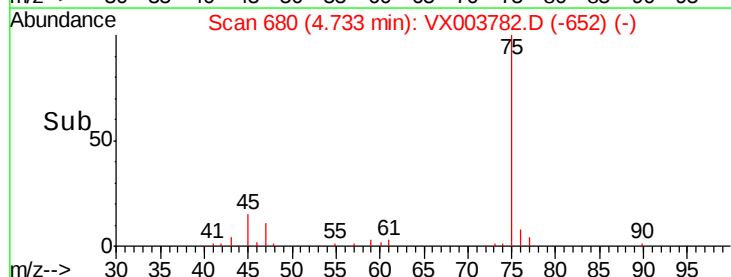
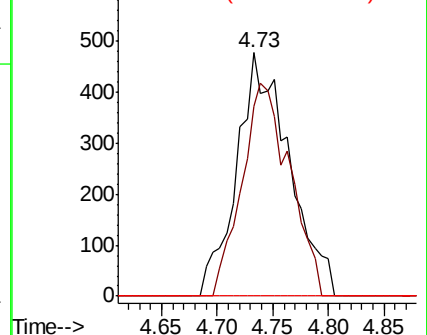
70 0.0 8.2 12.2#

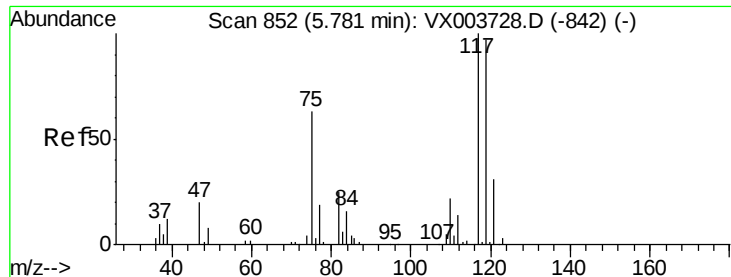


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

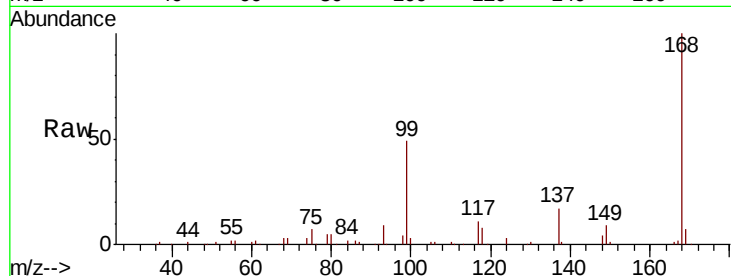




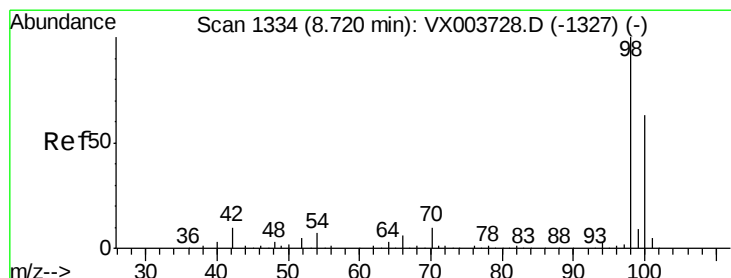
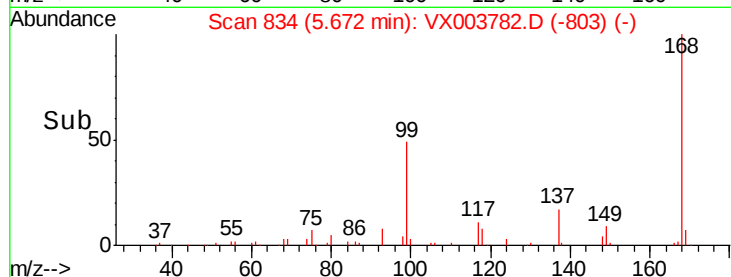
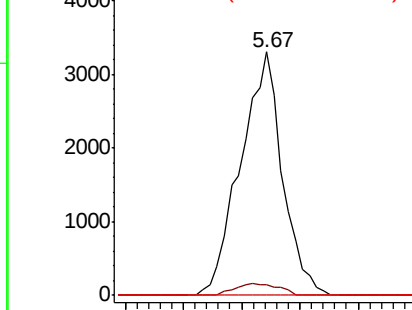
#38
Carbon Tetrachloride
Concen: 7.50 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.11 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

Instrument :
MSVOA_X
ClientSampled :
GW-02(3-5)

Tot Ion:117 Resp: 8248
Ion Ratio Lower Upper
117 100
119 4.6 77.2 115.8#
121 0.0 25.0 37.4#

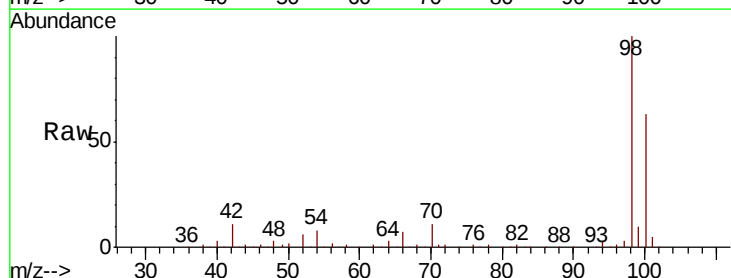


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

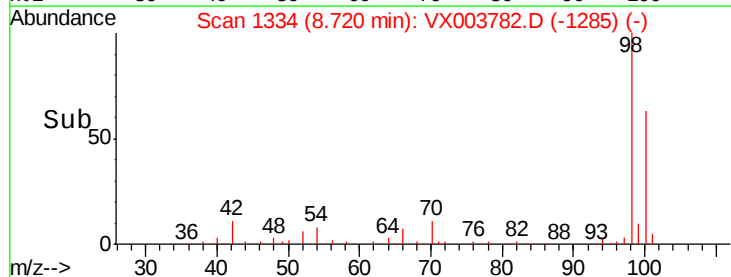
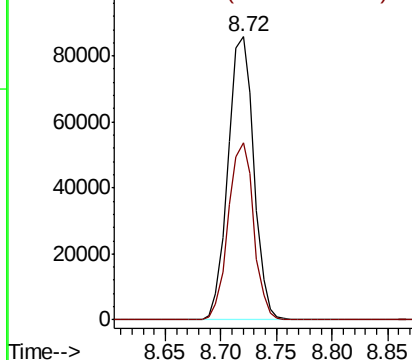


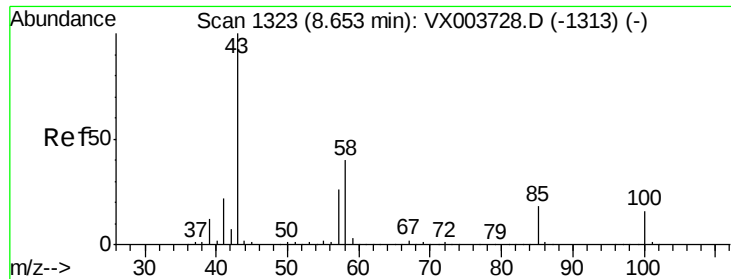
#50
Toluene-d8
Concen: 44.23 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

Tgt Ion: 98 Resp: 137933
Ion Ratio Lower Upper
98 100
100 61.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.71 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. 0.06 min

Lab File: VX003782.D

Acq: 01 Aug 2018 06:24

Instrument :

MSVOA_X

ClientSampleId :

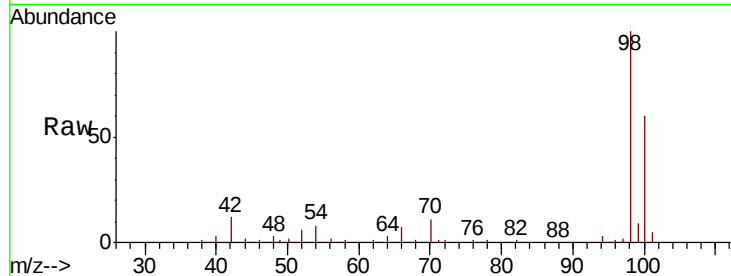
GW-02(3-5)

Tot Ion: 43 Resp: 633

Ion Ratio Lower Upper

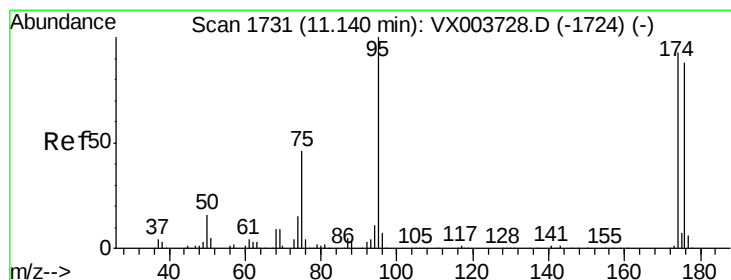
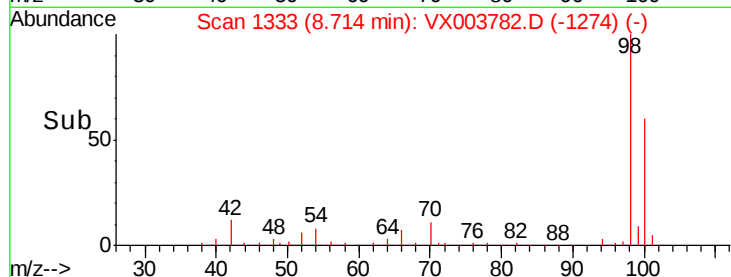
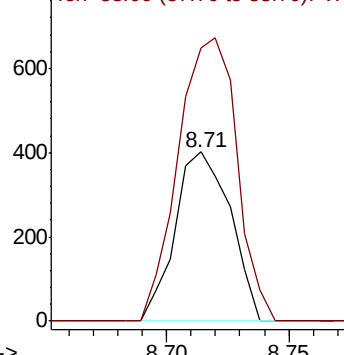
43 100

58 177.6 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 32.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003782.D

Acq: 01 Aug 2018 06:24

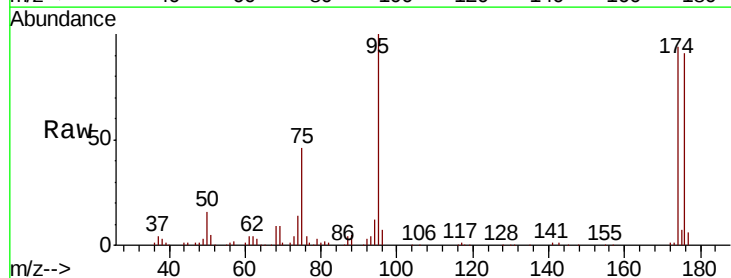
Tgt Ion: 95 Resp: 36930

Ion Ratio Lower Upper

95 100

174 91.7 0.0 186.2

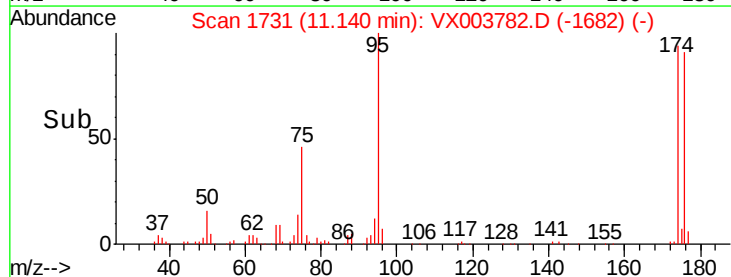
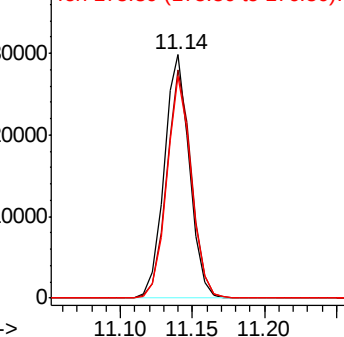
176 88.5 0.0 179.2

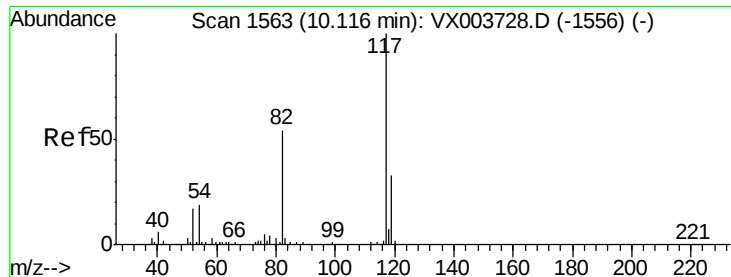


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

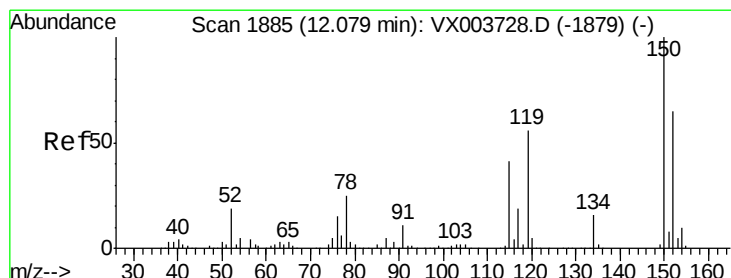
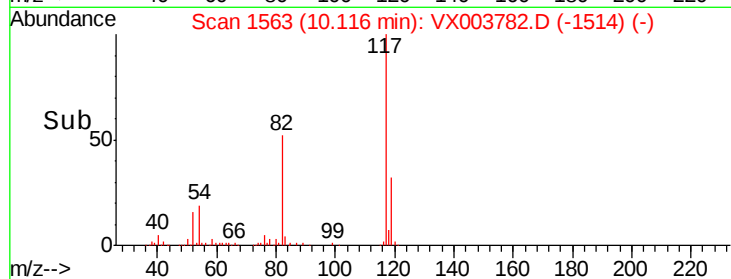
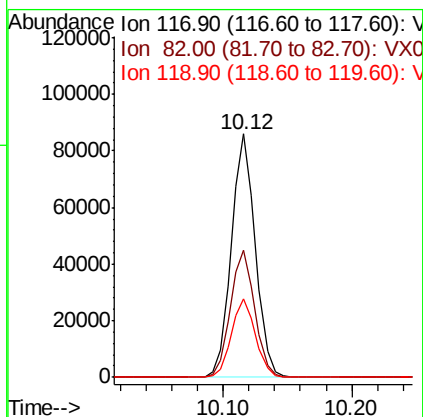
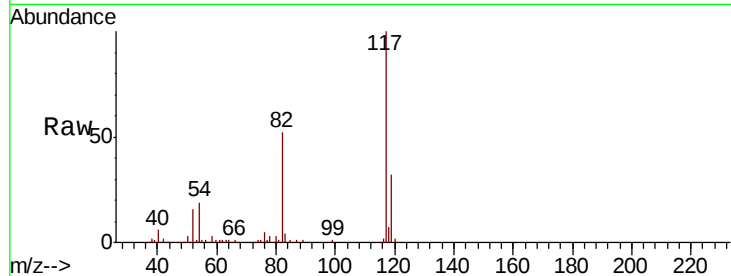




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

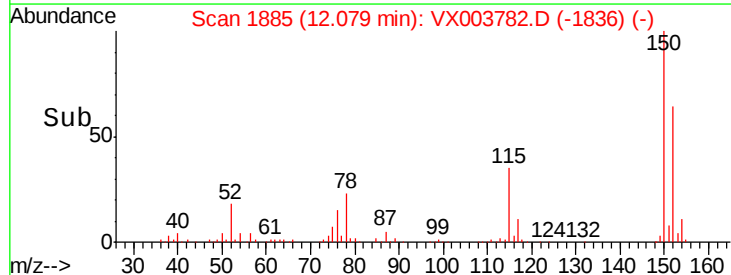
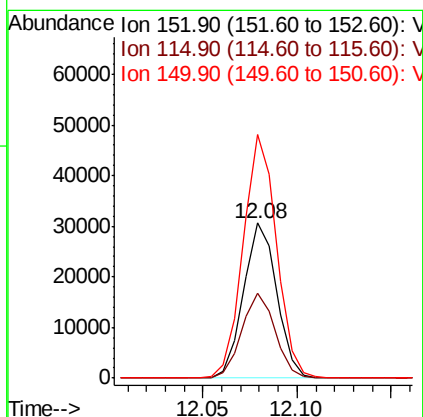
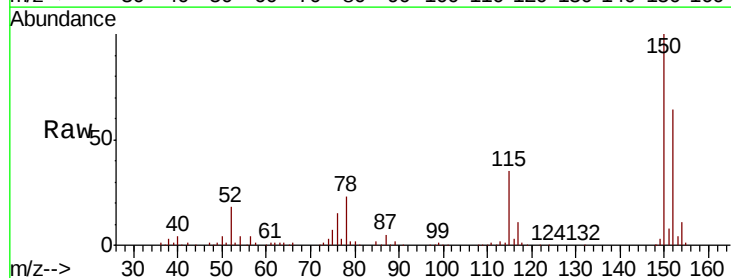
Instrument :
MSVOA_X
ClientSampleId :
GW-02(3-5)

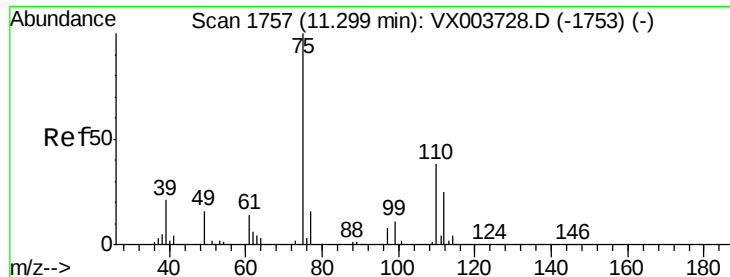
Tot Ion:117 Resp: 111694
Ion Ratio Lower Upper
117 100
82 52.4 43.2 64.8
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

Tgt Ion:152 Resp: 37440
Ion Ratio Lower Upper
152 100
115 54.9 38.5 115.3
150 157.2 0.0 346.2

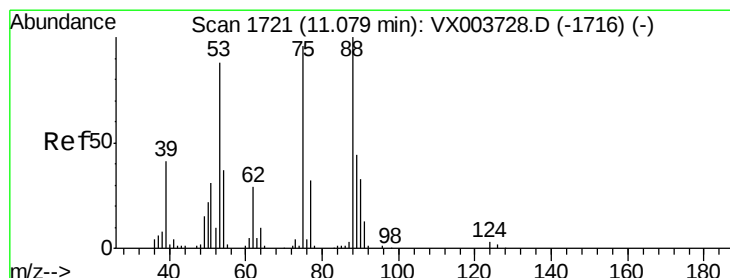
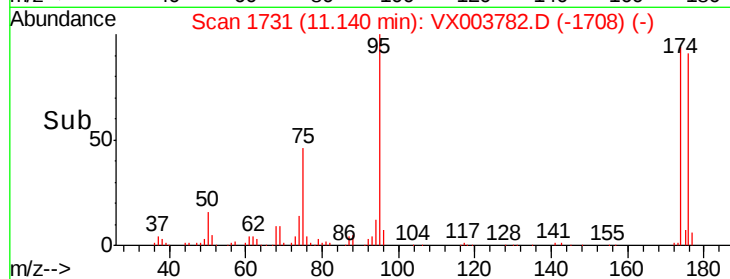
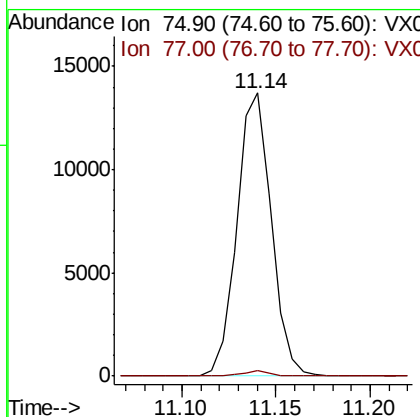
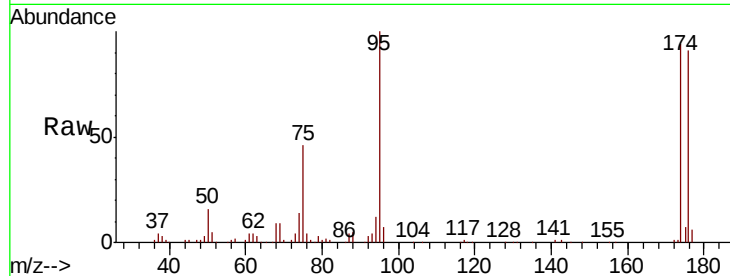




#76
 1,2,3-Trichloropropane
 Concen: 33.49 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003782.D
 Acq: 01 Aug 2018 06:24

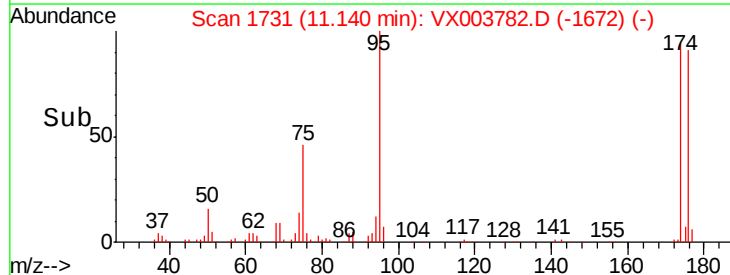
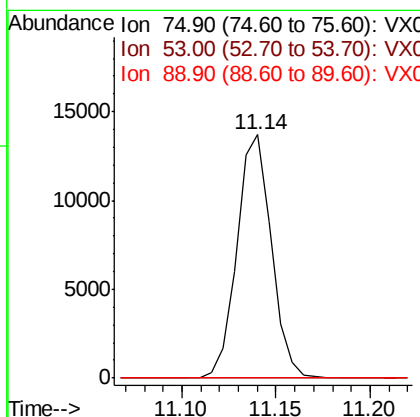
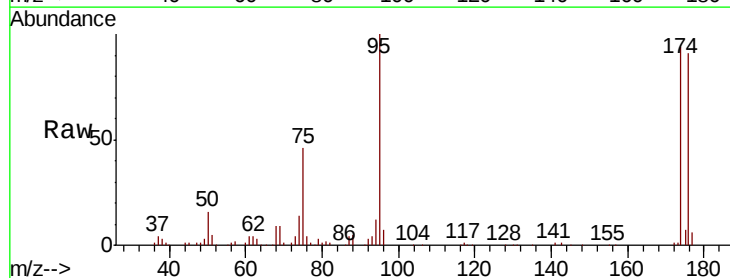
Instrument :
 MSVOA_X
 ClientSampled :
 GW-02(3-5)

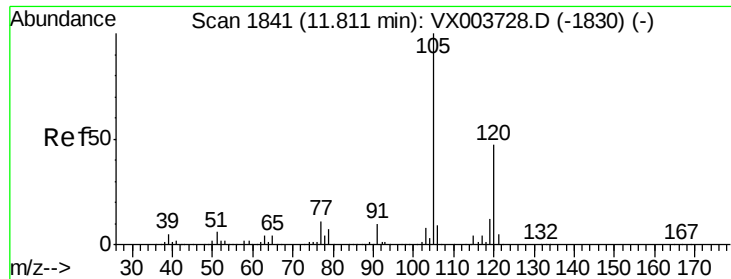
Tot Ion: 75 Resp: 17283
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.6 65.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.20 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003782.D
 Acq: 01 Aug 2018 06:24

Tgt Ion: 75 Resp: 17283
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 39.1 58.7#

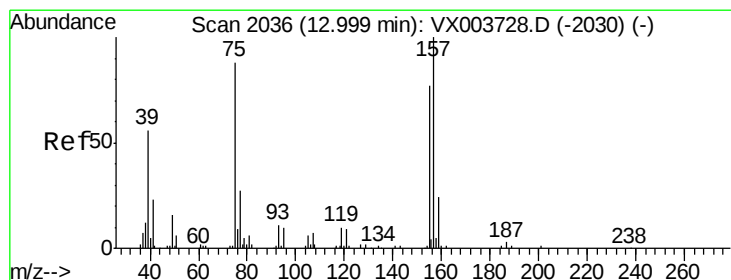
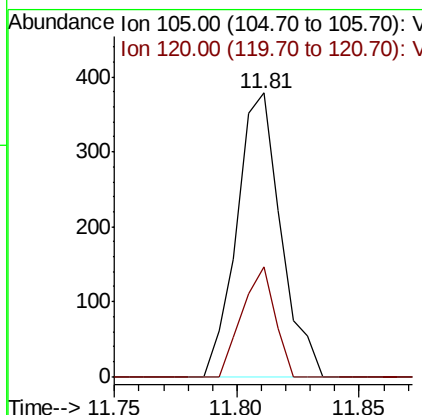
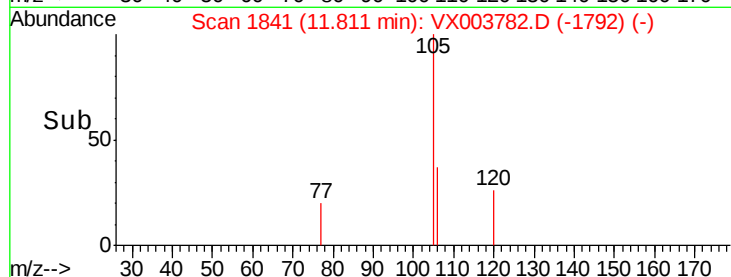
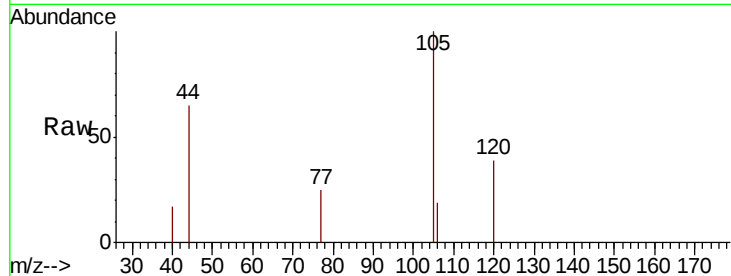




#84
 1,2,4-Trimethylbenzene
 Concen: 0.23 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003782.D
 Acq: 01 Aug 2018 06:24

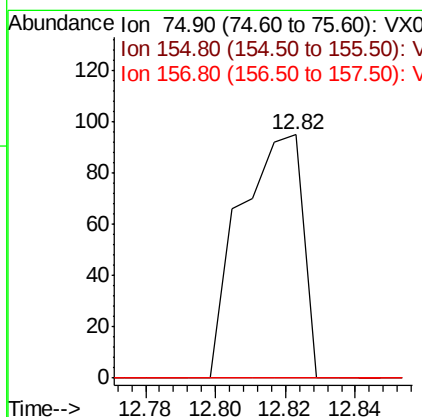
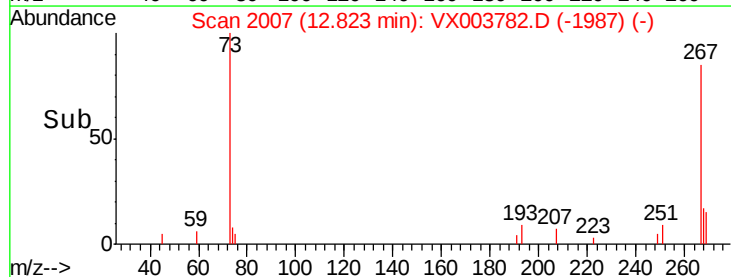
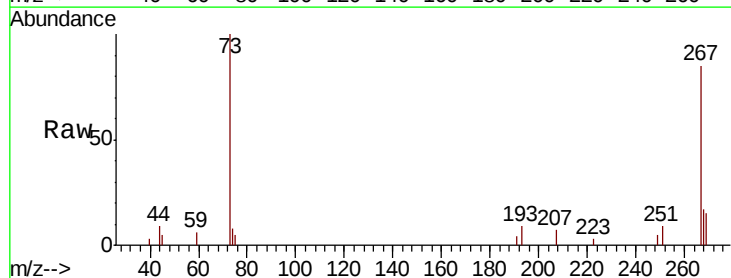
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-02(3-5)

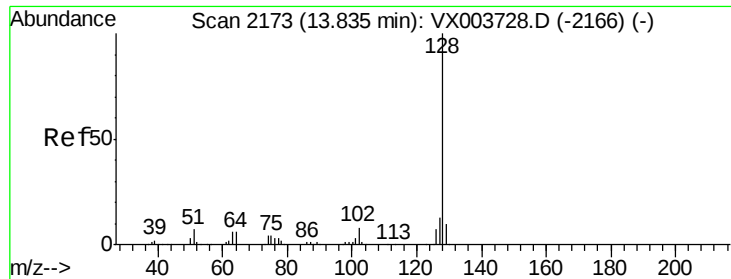
Tot Ion:105 Resp: 474
 Ion Ratio Lower Upper
 105 100
 120 29.1 23.1 69.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.98 ug/l
 RT: 12.82 min Scan# 2007
 Delta R.T. -0.18 min
 Lab File: VX003782.D
 Acq: 01 Aug 2018 06:24

Tgt Ion: 75 Resp: 118
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.9 146.7#
 157 0.0 63.7 191.1#

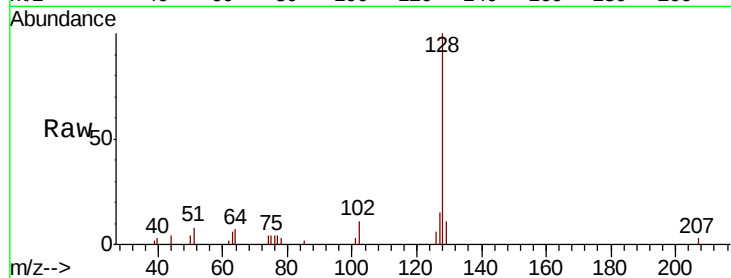




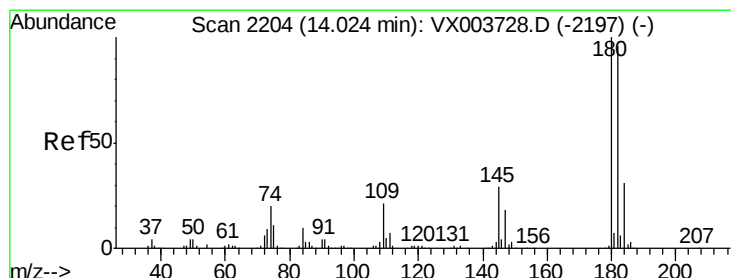
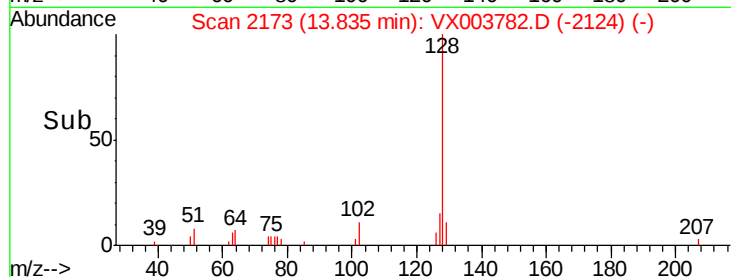
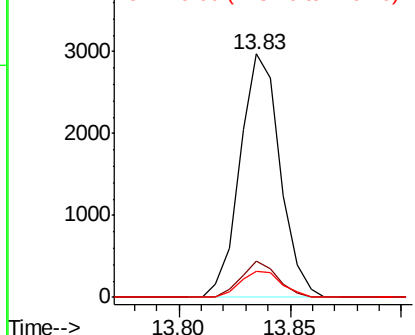
#95
Naphthalene
Concen: 1.91 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

Instrument :
MSVOA_X
ClientSampleId :
GW-02(3-5)

Tot Ion:128 Resp: 3733
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 11.1 8.7 13.1

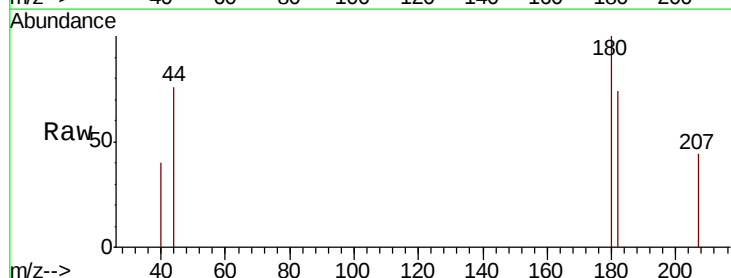


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.21 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003782.D
Acq: 01 Aug 2018 06:24

Tgt Ion:180 Resp: 177
Ion Ratio Lower Upper
180 100
182 91.5 47.9 143.8
145 0.0 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

