

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\
 Data File : VX002818.D
 Acq On : 22 Jun 2018 05:19
 Operator : JC/MD
 Sample : J3596-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Jun 22 06:39:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	347380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	212848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164565	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	
35) Dibromofluoromethane	5.51	113	133198	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	8.72	98	507629	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.14	95	190561	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	15304	4.86	ug/l #	53
10) Methyl Iodide	2.52	142	935	5.39	ug/l #	94
11) Tert butyl alcohol	3.07	59	5194	6.63	ug/l #	83
13) Acrolein	2.48	56	128673	347.70	ug/l #	14
14) Allyl chloride	2.71	41	1643	0.30	ug/l #	1
16) Acetone	2.45	43	395961	236.90	ug/l	99
17) Carbon Disulfide	2.57	76	16947	2.57	ug/l	100
18) Methyl Acetate	2.78	43	2037583	457.59	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	40373	3.86	ug/l	99
20) Methylene Chloride	2.86	84	1041	0.30	ug/l #	80
25) 2-Butanone	4.71	43	614084	279.76	ug/l	99
26) 2,2-Dichloropropane	4.47	77	3920	1.00	ug/l #	53
29) Tetrahydrofuran	5.21	42	11512	8.00	ug/l #	68
31) Cyclohexane	5.58	56	18410	4.12	ug/l	95
36) 1,1-Dichloropropene	5.67	75	16877	4.57	ug/l #	50
37) Ethyl Acetate	4.71	43	614084	147.06	ug/l #	70
38) Carbon Tetrachloride	5.67	117	22722	6.18	ug/l #	15
39) Methylcyclohexane	7.46	83	52701	12.22	ug/l	97
40) Benzene	6.15	78	22168	2.00	ug/l	100
41) Methacrylonitrile	5.20	41	55662	23.61	ug/l #	49
43) Isopropyl Acetate	6.48	43	5546	0.80	ug/l #	66
45) 1,2-Dichloropropane	7.46	63	1031	0.35	ug/l #	1
48) Methyl methacrylate	7.56	41	4559	1.29	ug/l #	54
49) 1,4-Dioxane	7.98	88	70	1.05	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	136884	30.81	ug/l	99
52) Toluene	8.79	92	6575	0.93	ug/l	94
53) t-1,3-Dichloropropene	8.45	75	67	2.41	ug/l #	43
54) cis-1,3-Dichloropropene	9.04	75	414	3.30	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	18692	6.56	ug/l #	16
56) Ethyl methacrylate	9.17	69	3572	0.81	ug/l #	1
59) 2-Hexanone	9.50	43	3101	0.93	ug/l	84
60) Dibromochloromethane	9.45	129	61	3.78	ug/l #	11
65) Chlorobenzene	10.14	112	5427	0.67	ug/l	97
67) Ethyl Benzene	10.26	91	9860	0.72	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\
 Data File : VX002818.D
 Acq On : 22 Jun 2018 05:19
 Operator : JC/MD
 Sample : J3596-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

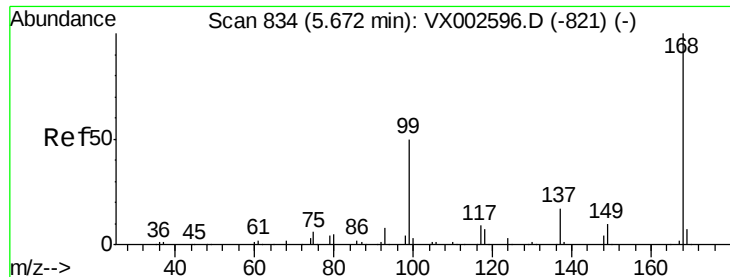
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Jun 22 06:39:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) m/p-Xylenes	10.36	106	12601	2.38	ug/l	98
69) o-Xylene	10.70	106	14600	2.80	ug/l	99
73) Isopropylbenzene	11.02	105	304630	21.40	ug/l	100
74) N-amyl acetate	6.48	43	5546	0.78	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	11.28	83	22313	5.31	ug/l #	26
76) 1,2,3-Trichloropropane	11.37	75	3316	0.83	ug/l #	1
78) n-propylbenzene	11.37	91	487786	29.88	ug/l	100
79) 2-Chlorotoluene	11.37	91	487786	50.04	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	88940	7.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	4376	7.38	ug/l #	69
82) 4-Chlorotoluene	11.51	91	14957	1.30	ug/l #	49
83) tert-Butylbenzene	12.03	119	38041	3.28	ug/l	72
84) 1,2,4-Trimethylbenzene	11.81	105	245171	19.97	ug/l	97
85) sec-Butylbenzene	11.95	105	182550	12.67	ug/l #	78
86) p-Isopropyltoluene	12.07	119	1379943	105.83	ug/l	100
89) n-Butylbenzene	12.39	91	164458	14.30	ug/l #	70
90) Hexachloroethane	12.67	117	92052	45.54	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	5586	0.76	ug/l #	72
92) 1,2-Dibromo-3-Chloropropan	12.98	75	5402	6.13	ug/l #	1
95) Naphthalene	13.84	128	381271	26.67	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.04	180	4650	0.87	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

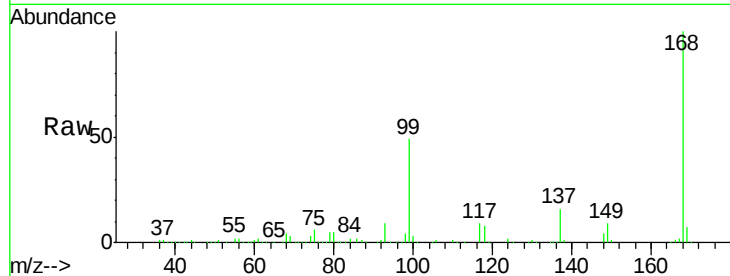
MW-11

Tot Ion:168 Resp: 249300

Ion Ratio Lower Upper

168 100

99 48.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

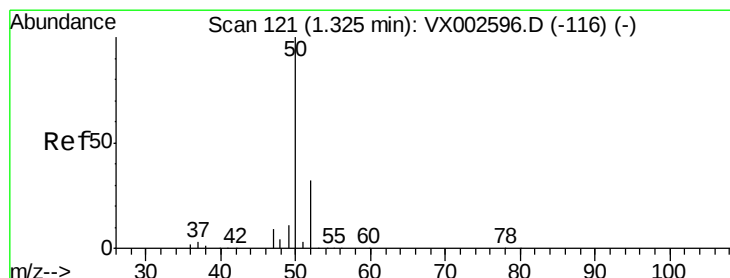
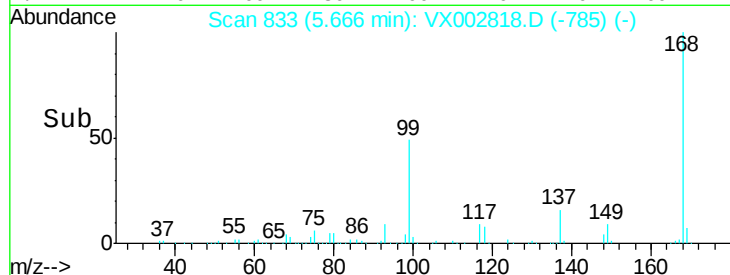
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.86 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002818.D

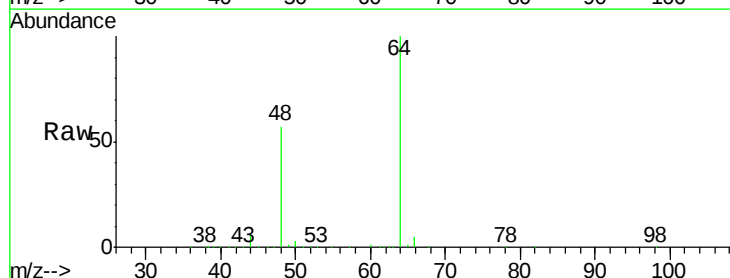
Acq: 22 Jun 2018 05:19

Tgt Ion: 50 Resp: 15304

Ion Ratio Lower Upper

50 100

52 5.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

5000

4000

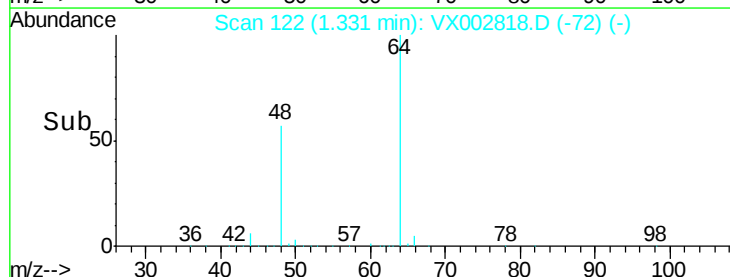
3000

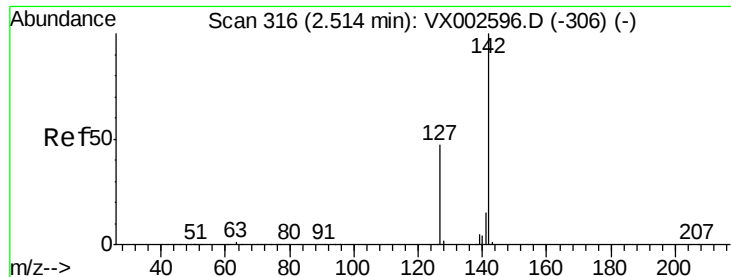
2000

1000

0

Time-->

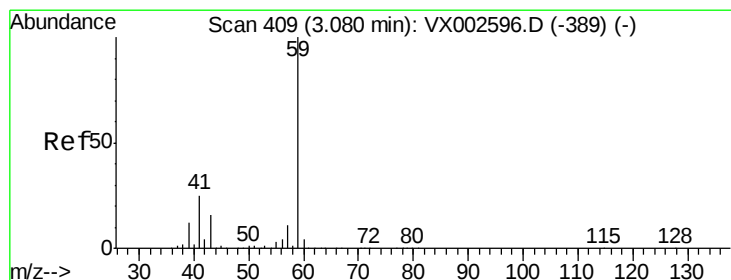
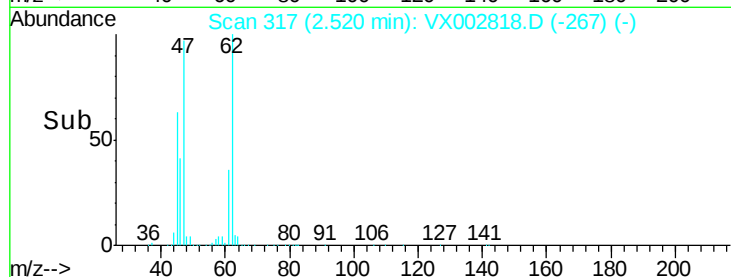
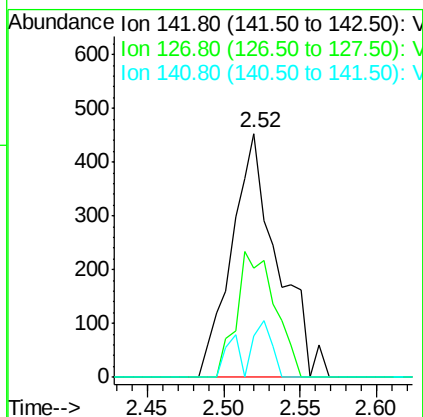
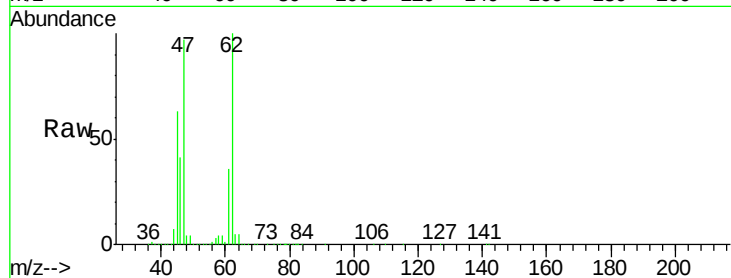




#10
Methyl Iodide
Concen: 5.39 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

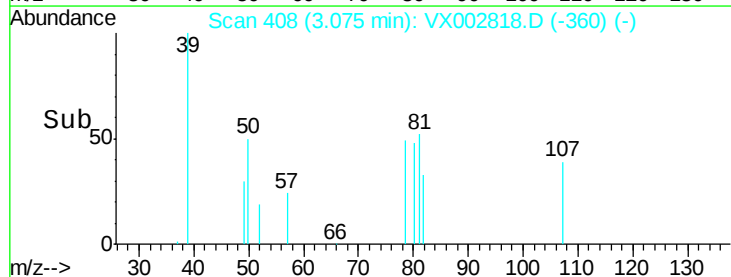
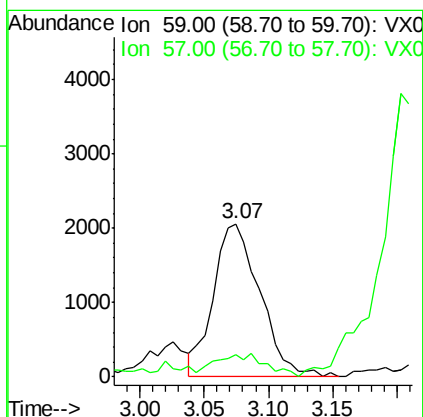
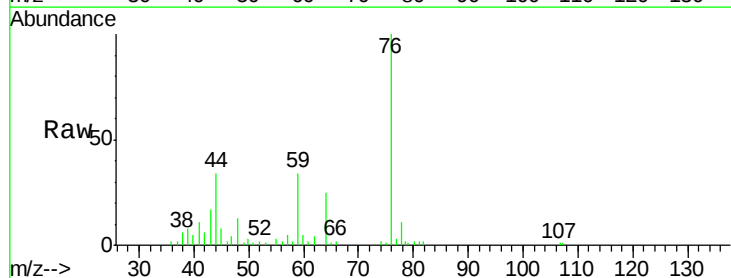
Instrument :
MSVOA_X
ClientSampleId :
MW-11

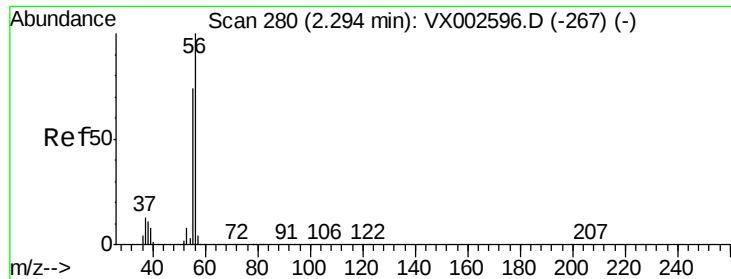
Tot Ion:142 Resp: 935
Ion Ratio Lower Upper
142 100
127 43.4 36.6 55.0
141 9.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 6.63 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion: 59 Resp: 5194
Ion Ratio Lower Upper
59 100
57 16.3 8.2 12.2#





#13

Acrolein

Concen: 347.70 ug/l

RT: 2.48 min Scan# 311

Delta R.T. 0.19 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

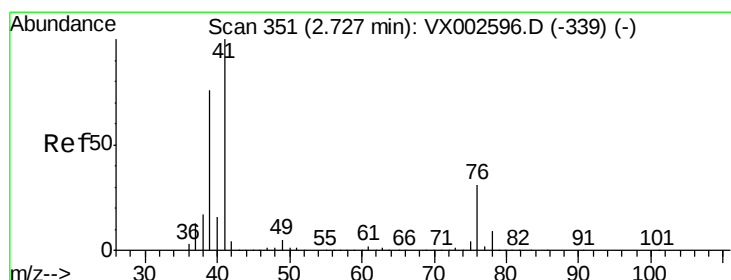
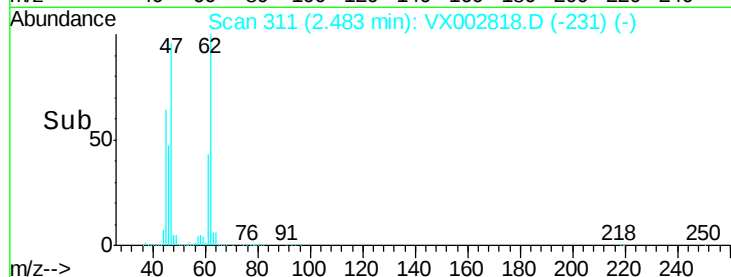
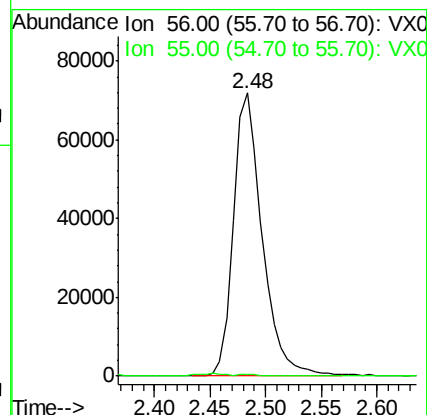
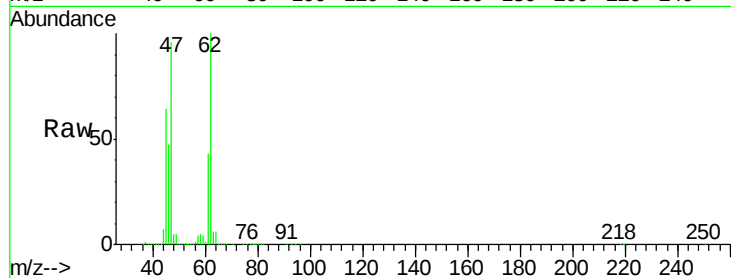
MW-11

Tot Ion: 56 Resp: 128673

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#14

Allyl chloride

Concen: 0.30 ug/l

RT: 2.71 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

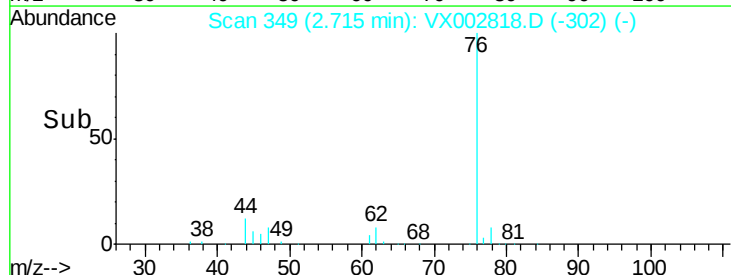
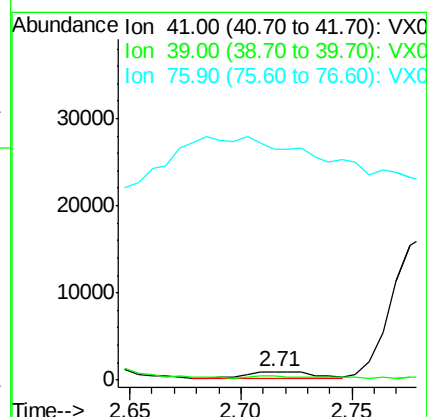
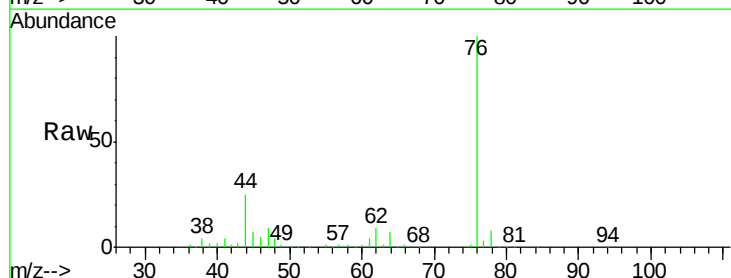
Tgt Ion: 41 Resp: 1643

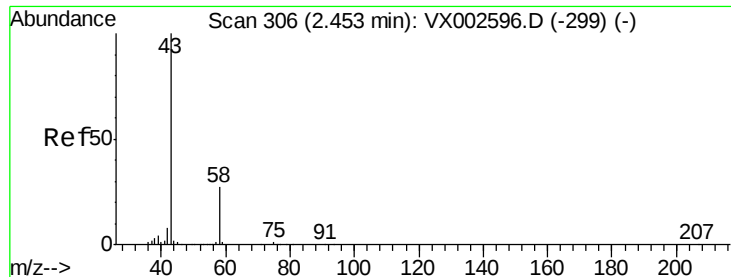
Ion Ratio Lower Upper

41 100

39 29.4 56.8 85.2#

76 18033.4 23.8 35.8#





#16

Acetone

Concen: 236.90 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

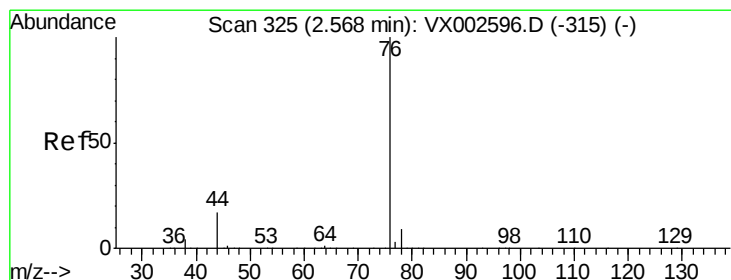
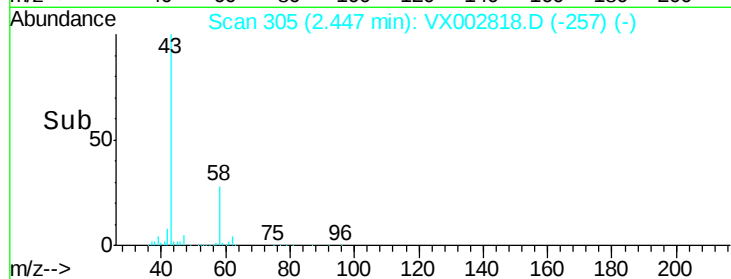
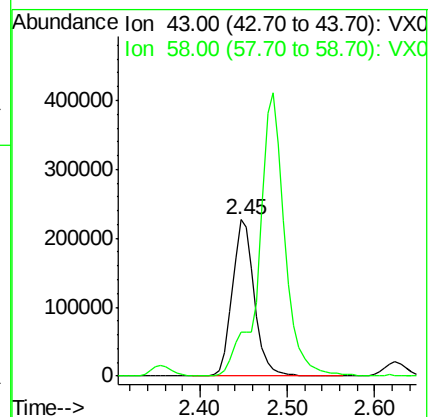
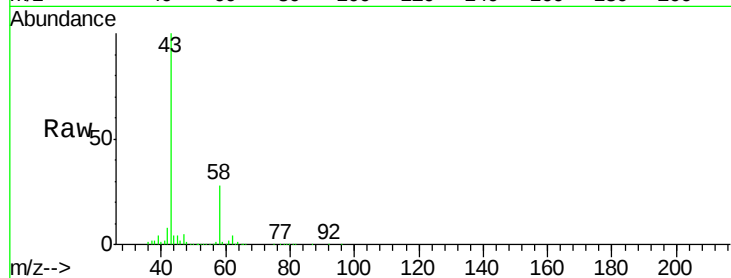
MW-11

Tot Ion: 43 Resp: 395961

Ion Ratio Lower Upper

43 100

58 28.1 22.1 33.1



#17

Carbon Disulfide

Concen: 2.57 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002818.D

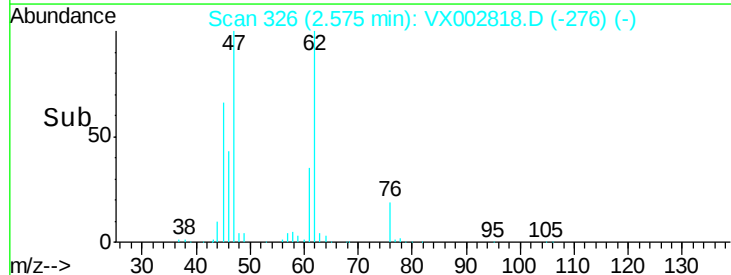
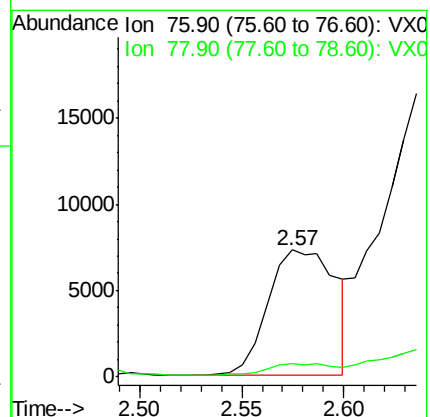
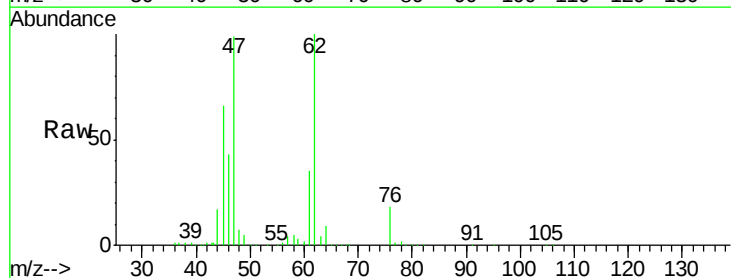
Acq: 22 Jun 2018 05:19

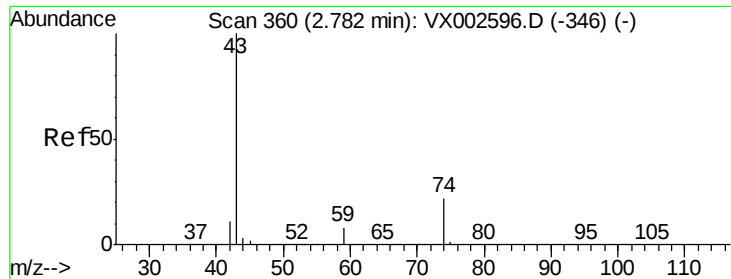
Tgt Ion: 76 Resp: 16947

Ion Ratio Lower Upper

76 100

78 8.5 6.9 10.3

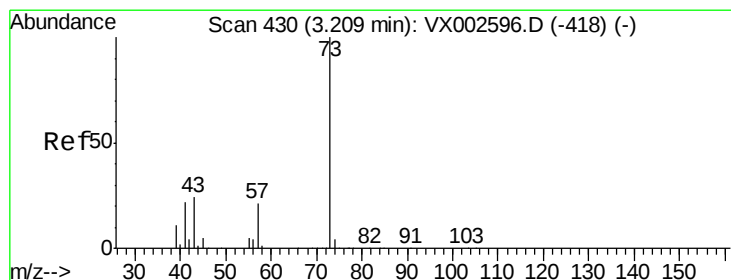
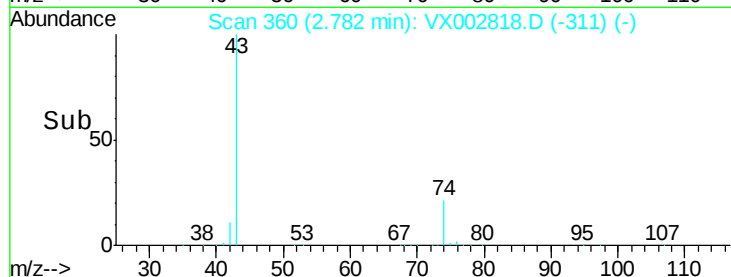
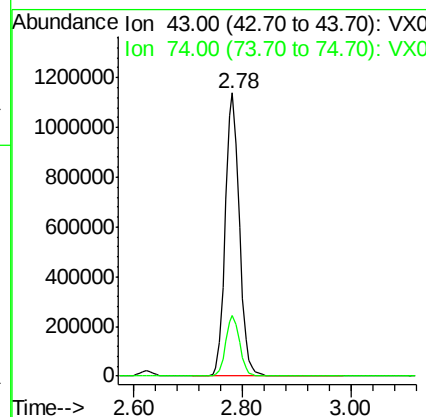
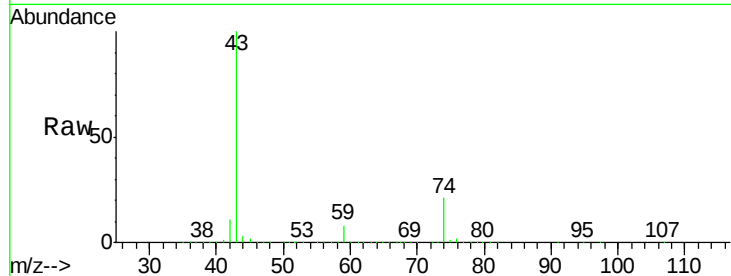




#18
Methvl Acetate
Concen: 457.59 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

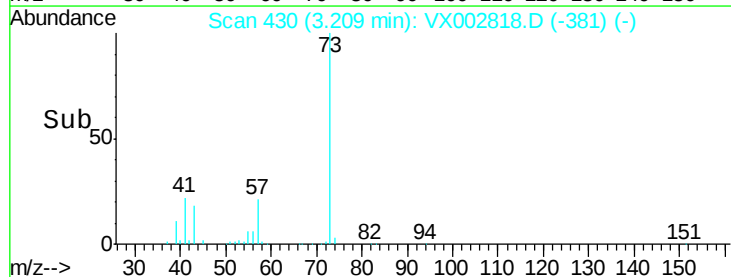
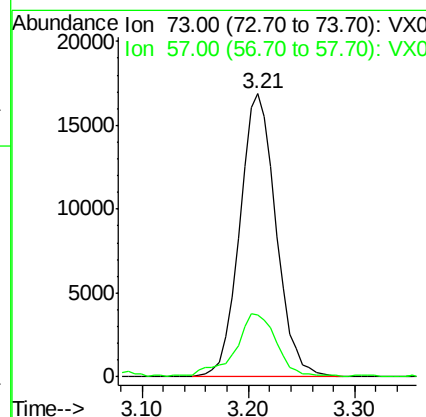
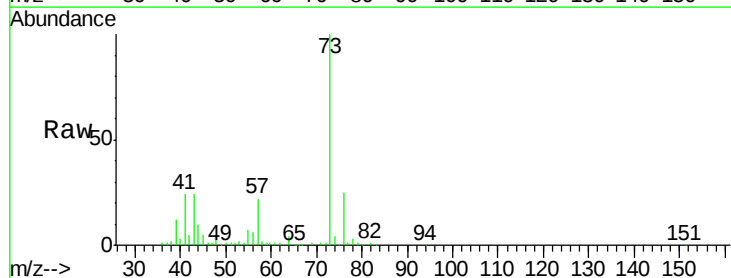
Instrument :
MSVOA_X
ClientSampled :
MW-11

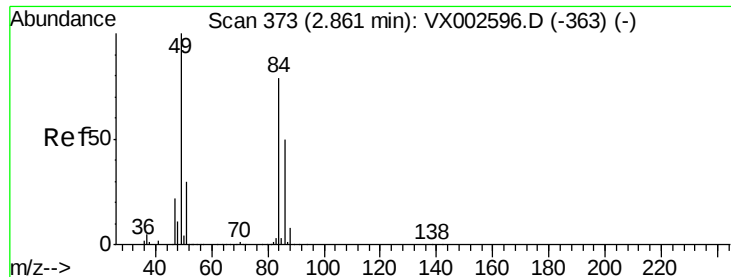
Tot Ion: 43 Resp: 2037583
Ion Ratio Lower Upper
43 100
74 21.3 16.7 25.1



#19
Methyl tert-butyl Ether
Concen: 3.86 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion: 73 Resp: 40373
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

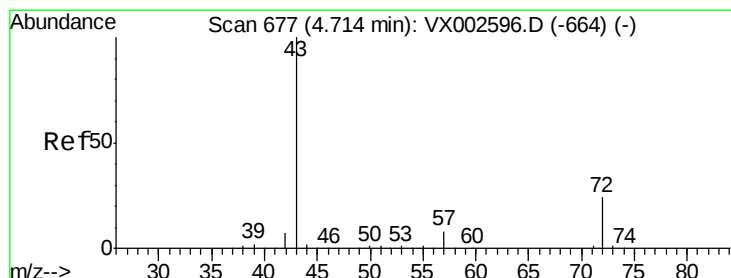
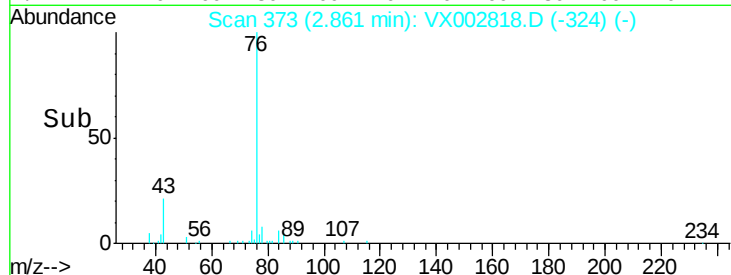
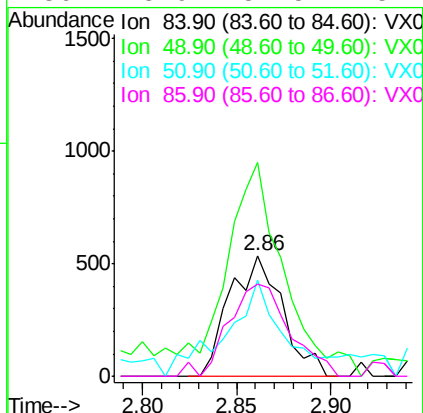
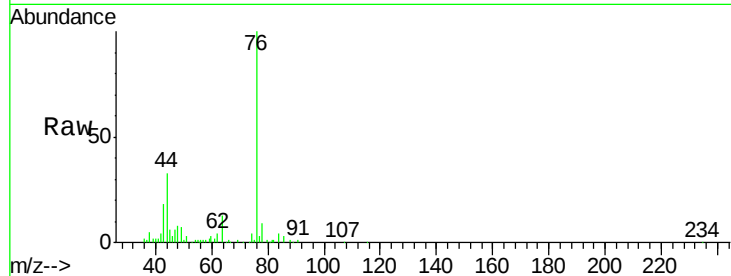




#20
Methvlene Chloride
Concen: 0.30 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

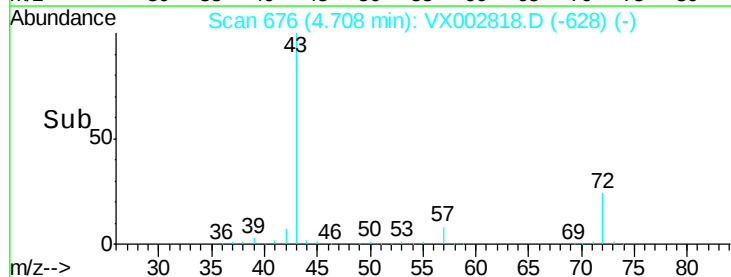
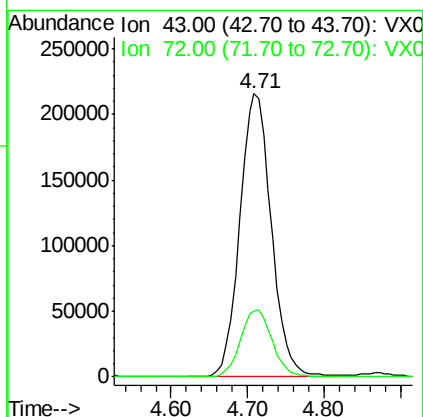
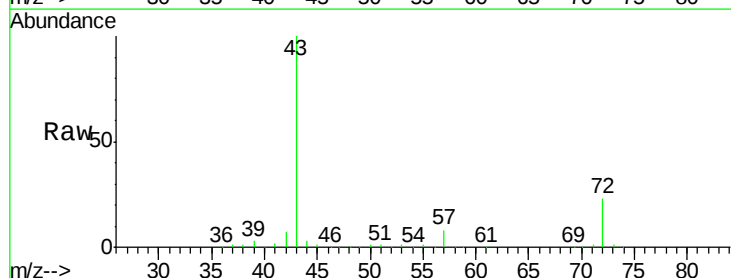
Instrument :
MSVOA_X
ClientSampled :
MW-11

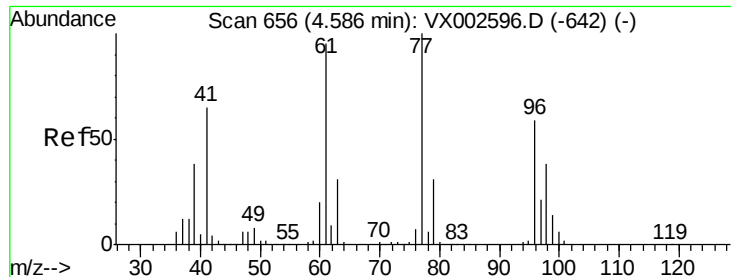
Tot Ion: 84 Resp: 1041
Ion Ratio Lower Upper
84 100
49 156.5 107.8 161.6
51 64.6 32.8 49.2#
86 75.9 52.5 78.7



#25
2-Butanone
Concen: 279.76 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion: 43 Resp: 614084
Ion Ratio Lower Upper
43 100
72 23.5 18.5 27.7





#26

2,2-Dichloropropane

Concen: 1.00 ug/l

RT: 4.47 min Scan# 637

Delta R.T. -0.12 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

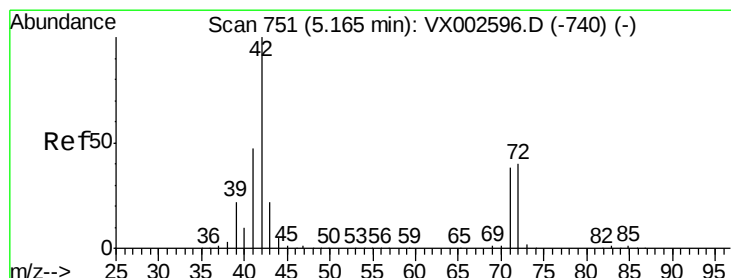
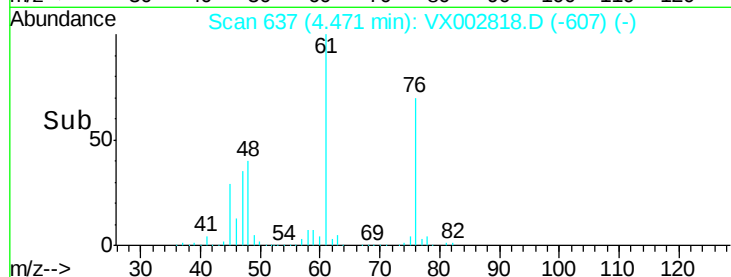
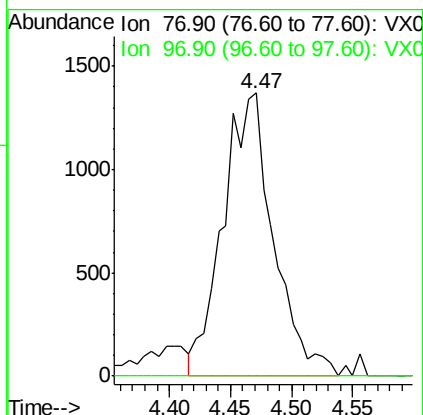
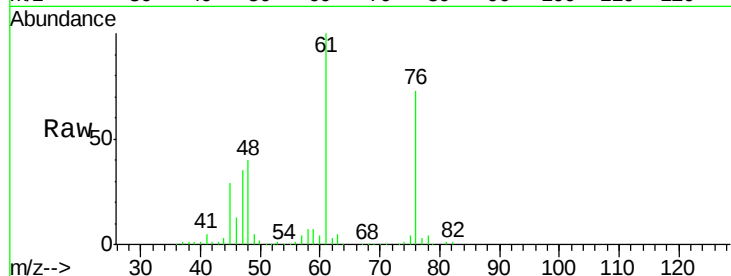
MW-11

Tot Ion: 77 Resp: 3920

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#29

Tetrahydrofuran

Concen: 8.00 ug/l

RT: 5.21 min Scan# 758

Delta R.T. 0.04 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

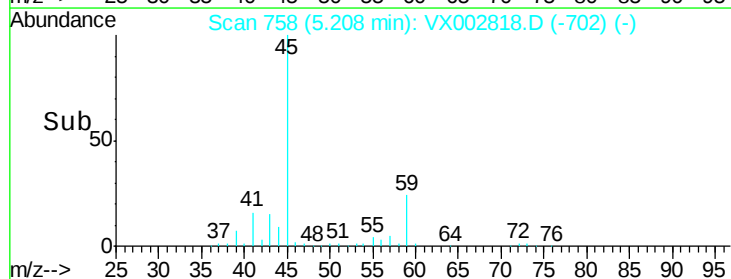
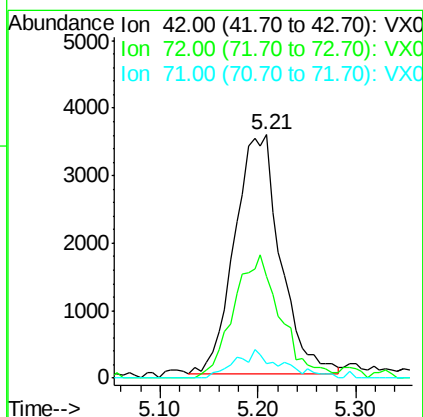
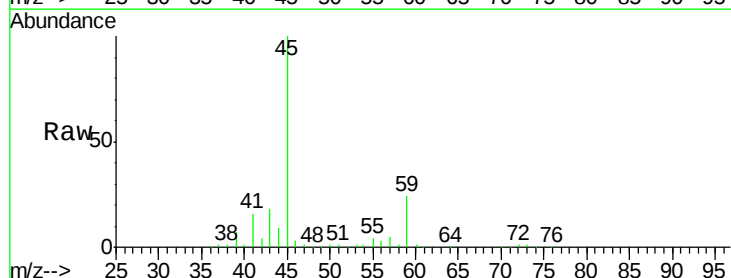
Tgt Ion: 42 Resp: 11512

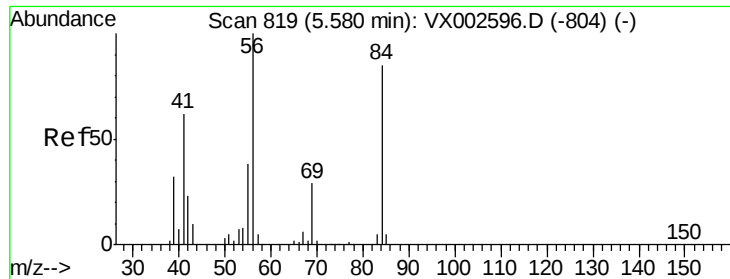
Ion Ratio Lower Upper

42 100

72 52.8 32.0 48.0#

71 10.8 30.1 45.1#

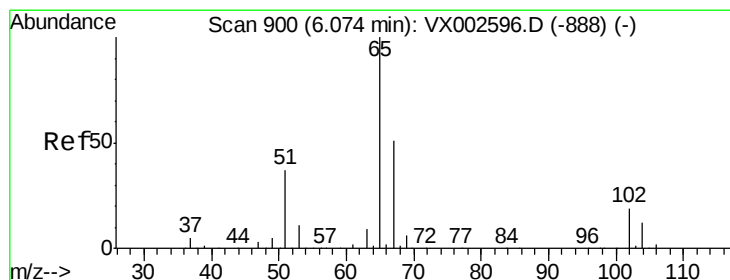
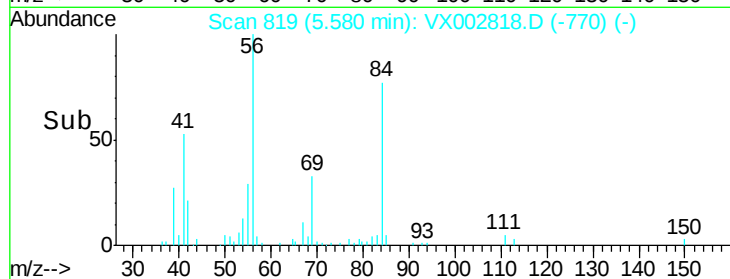
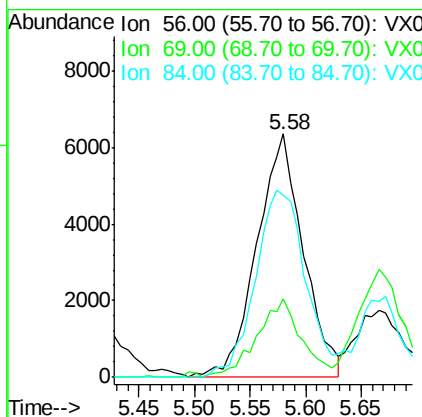
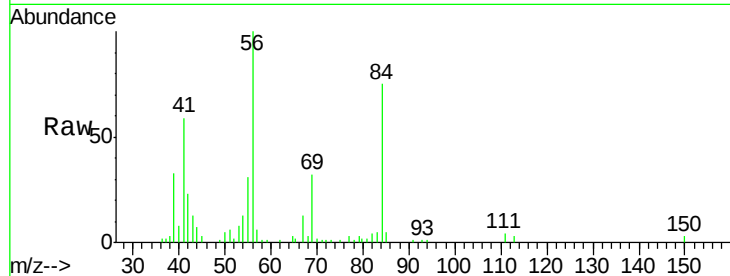




#31
Cyclohexane
Concen: 4.12 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

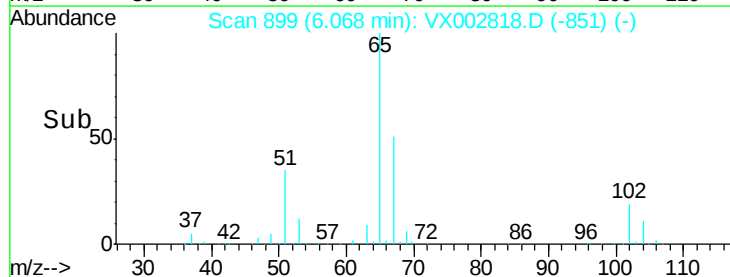
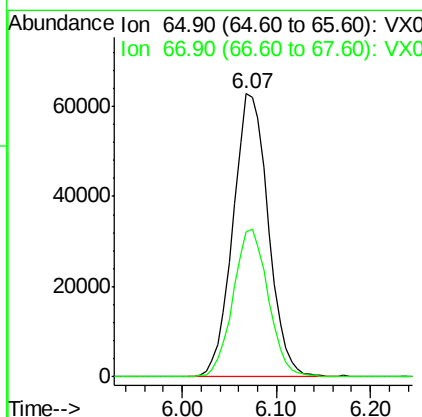
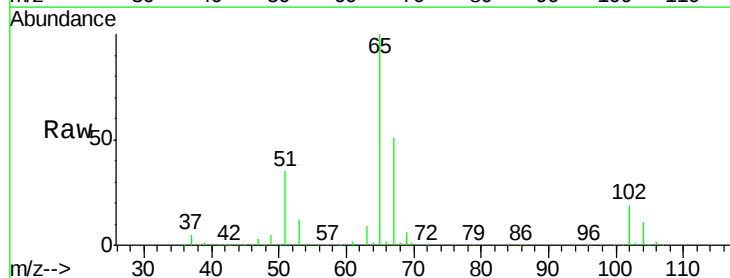
Instrument :
MSVOA_X
ClientSampled :
MW-11

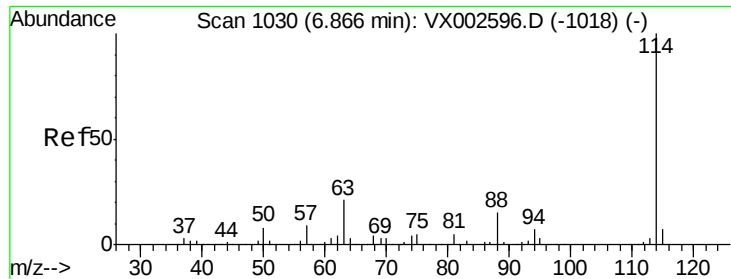
Tot Ion	56	Resp	18410
Ion Ratio	Lower	Upper	
56	100		
69	29.9	23.7	35.5
84	74.6	64.1	96.1



#33
1,2-Dichloroethane-d4
Concen: 43.44 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion	65	Resp	164565
Ion Ratio	Lower	Upper	
65	100		
67	51.8	0.0	102.6

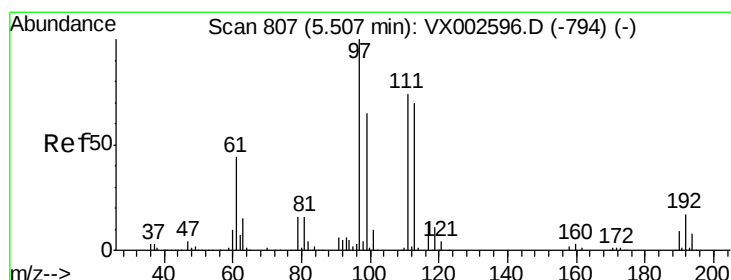
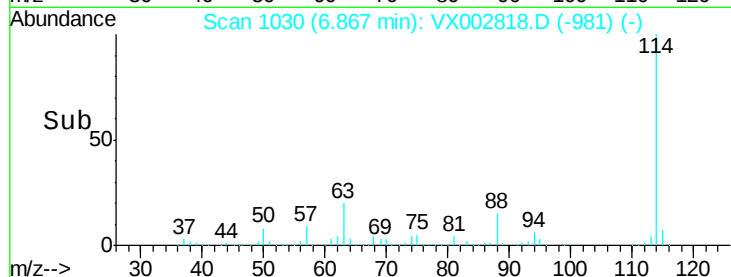
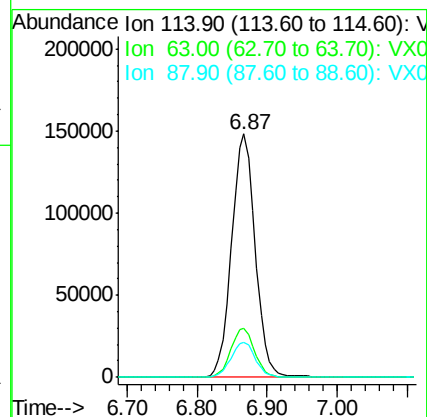
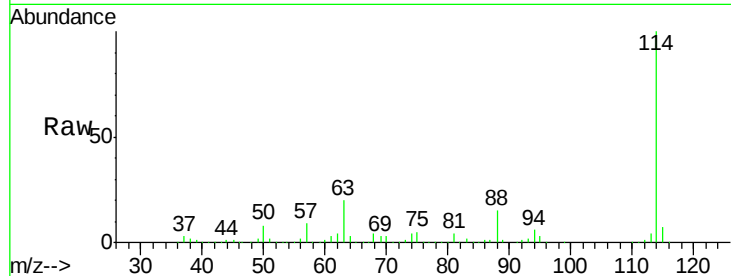




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

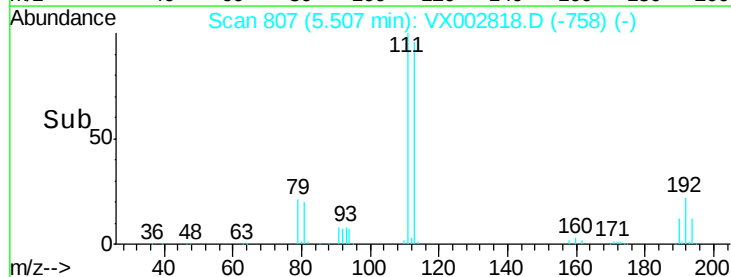
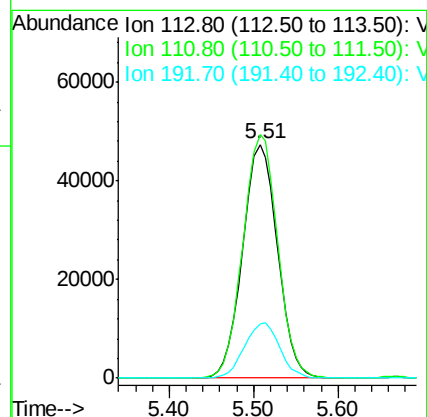
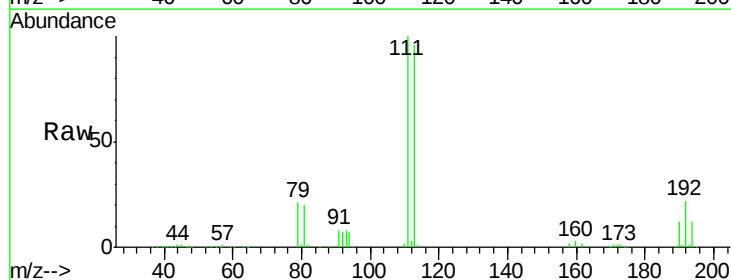
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

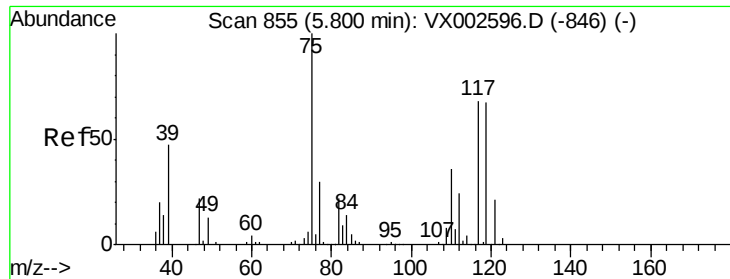
Tot Ion:114 Resp: 347380
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 14.5 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 48.04 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

Tgt Ion:113 Resp: 133198
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.4 122.0
 192 23.8 19.1 28.7

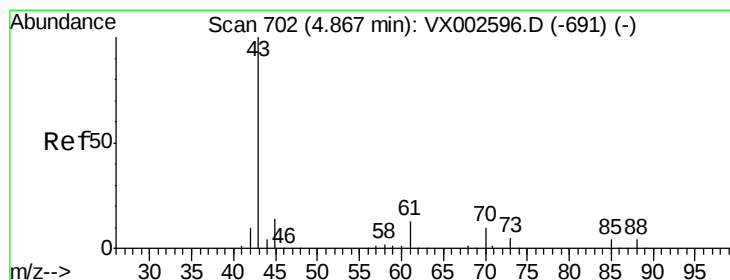
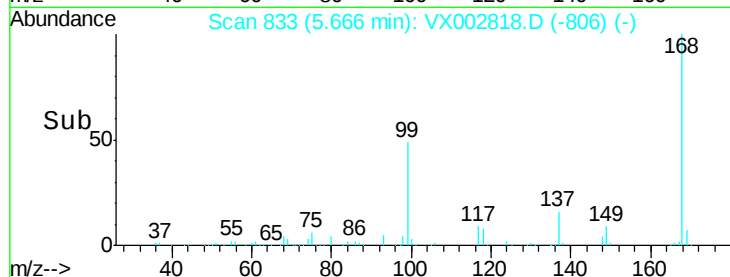
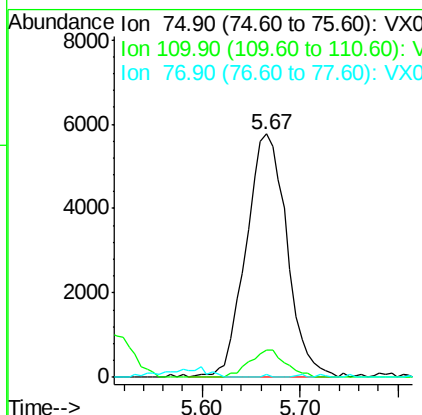
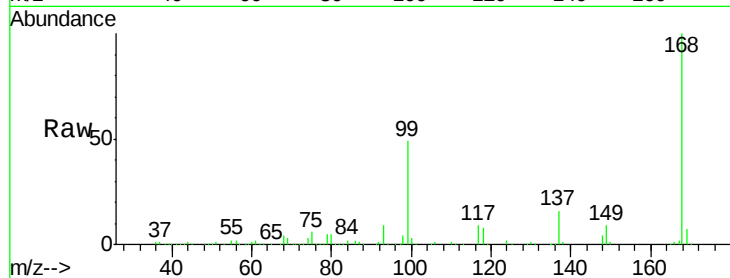




#36
 1,1-Dichloropropene
 Concen: 4.57 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

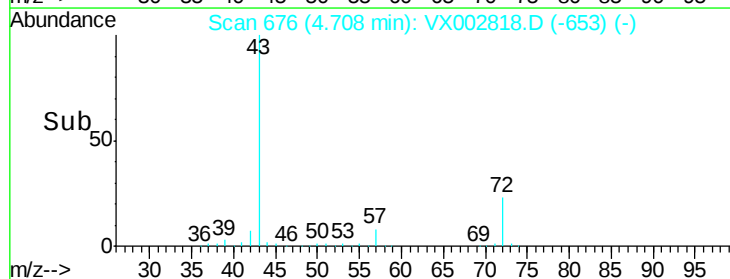
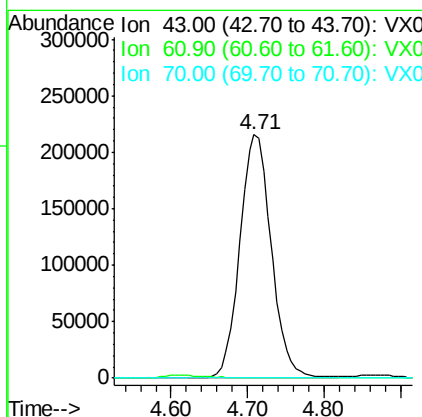
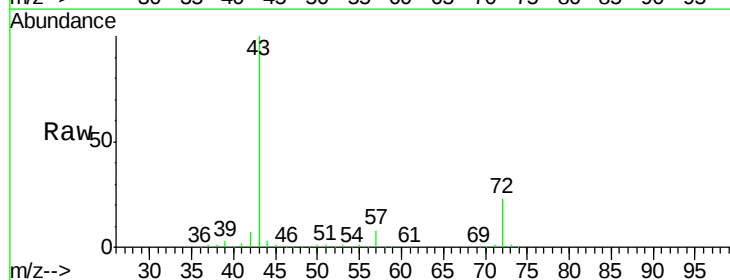
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

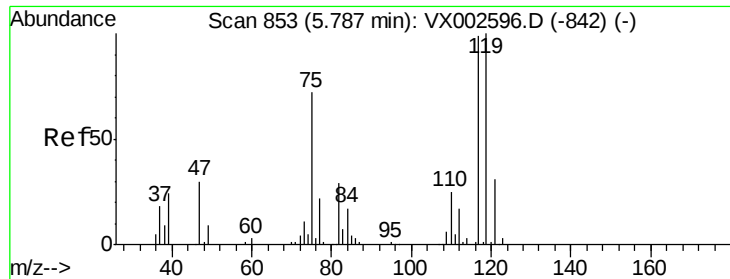
Tot Ion	75	Resp	16877
Ion Ratio	Lower	Upper	
75	100		
110	9.9	18.1	54.4#
77	0.1	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 147.06 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.16 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

Tgt Ion	43	Resp	614084
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.4	15.6#
70	0.2	7.6	11.4#





#38

Carbon Tetrachloride

Concen: 6.18 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

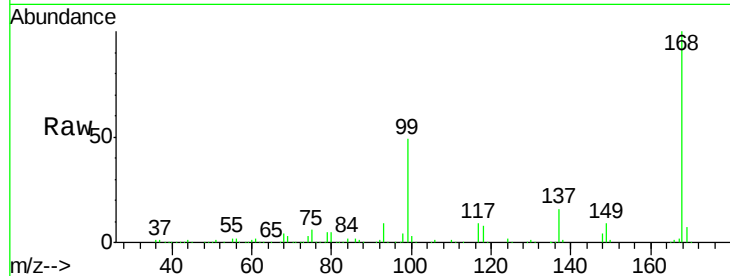
Tot Ion:117 Resp: 22722

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

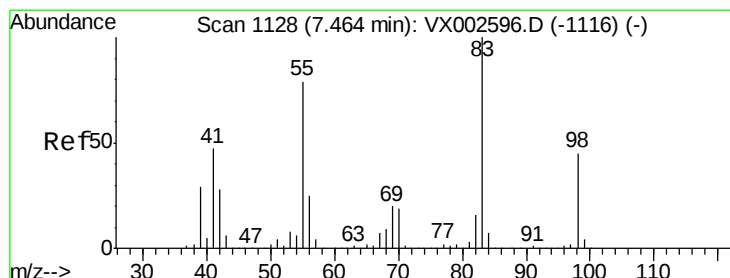
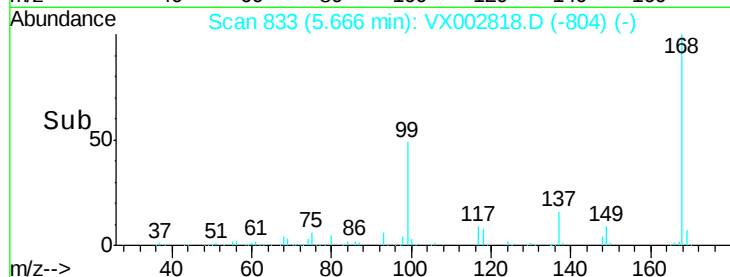
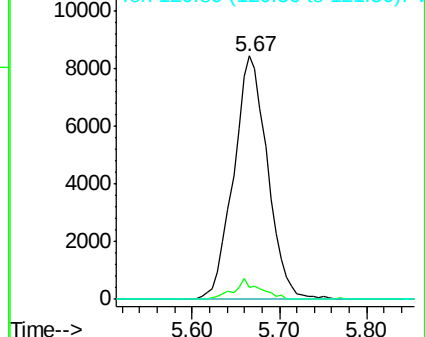
121 0.0 24.4 36.6#



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



#39

Methylcyclohexane

Concen: 12.22 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

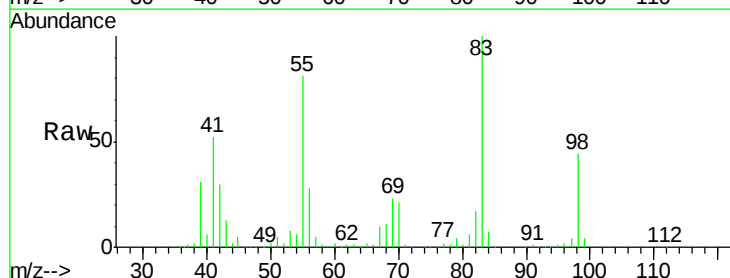
Tgt Ion: 83 Resp: 52701

Ion Ratio Lower Upper

83 100

55 79.8 65.4 98.0

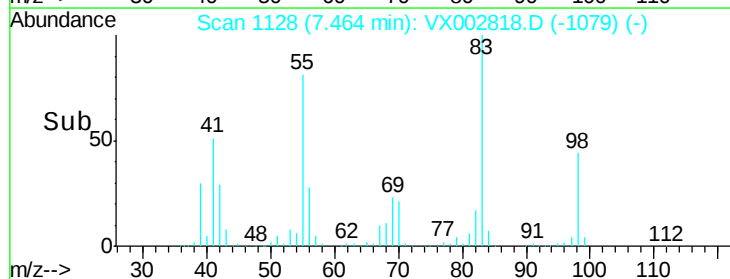
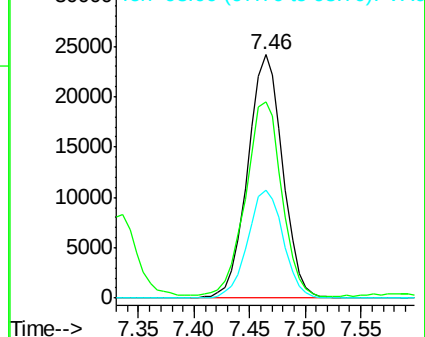
98 44.4 37.4 56.0

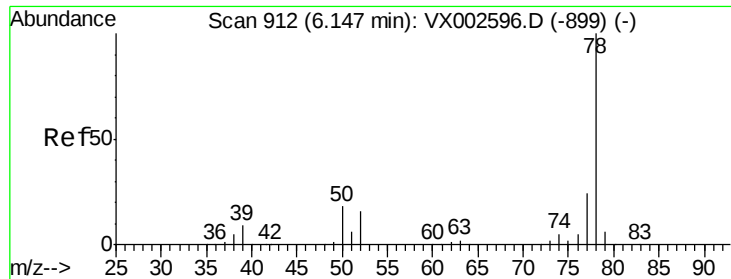


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 2.00 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

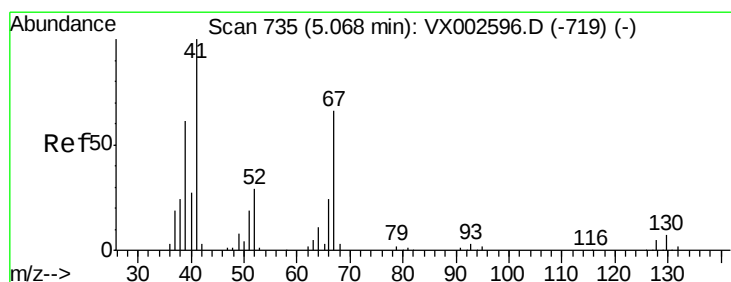
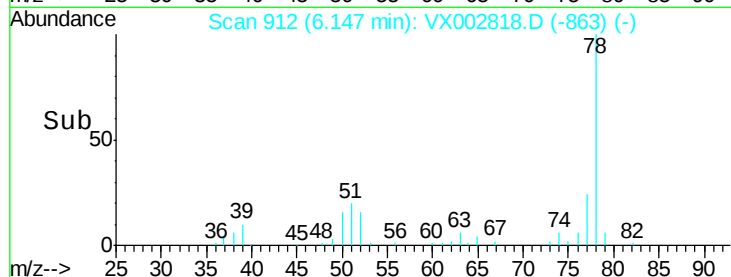
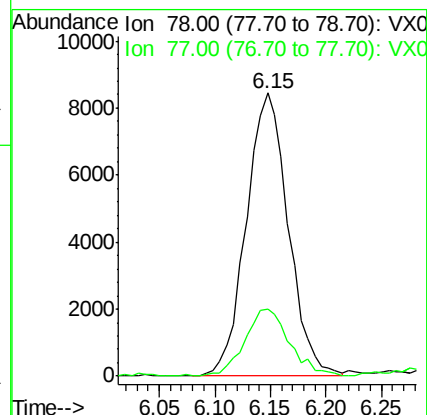
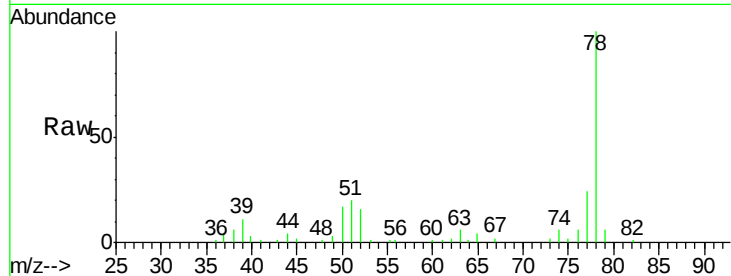
MW-11

Tot Ion: 78 Resp: 22168

Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7



#41

Methacrylonitrile

Concen: 23.61 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.13 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Tgt Ion: 41 Resp: 55662

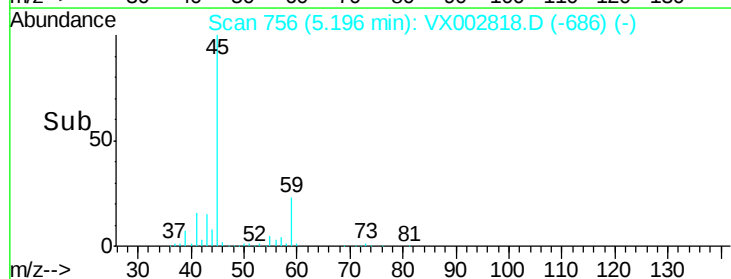
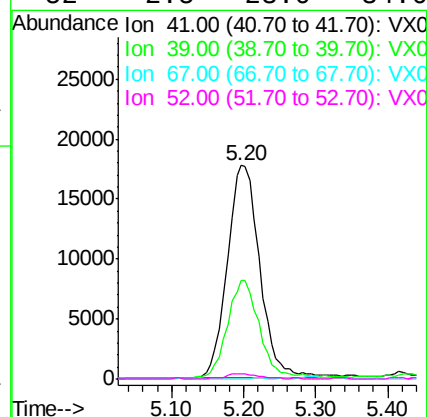
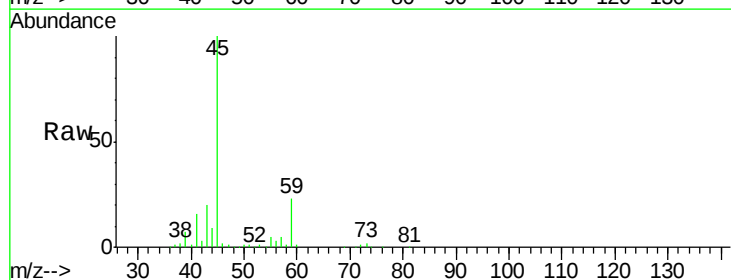
Ion Ratio Lower Upper

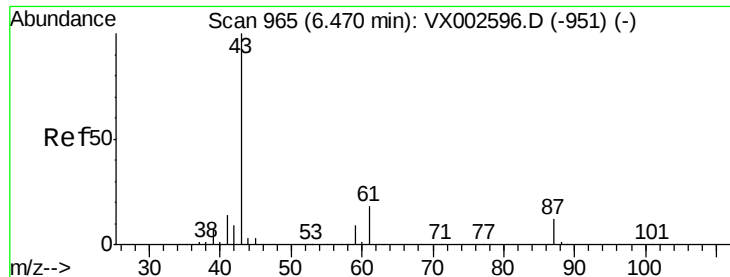
41 100

39 44.1 45.8 68.6#

67 0.0 51.3 76.9#

52 2.5 23.0 34.6#





#43

Isopropyl Acetate

Concen: 0.80 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

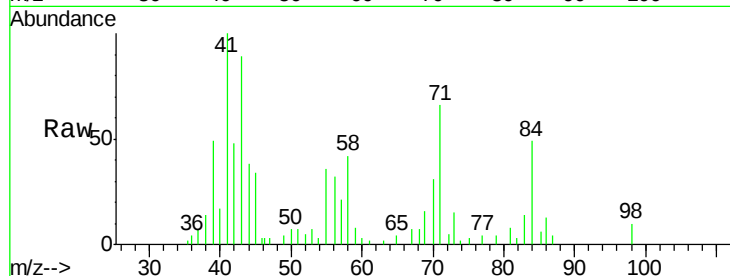
Tot Ion: 43 Resp: 5546

Ion Ratio Lower Upper

43 100

61 1.8 14.4 21.6#

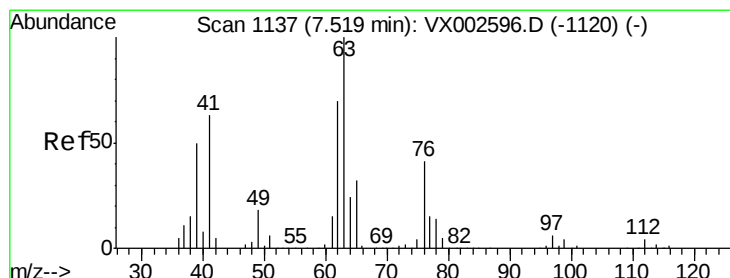
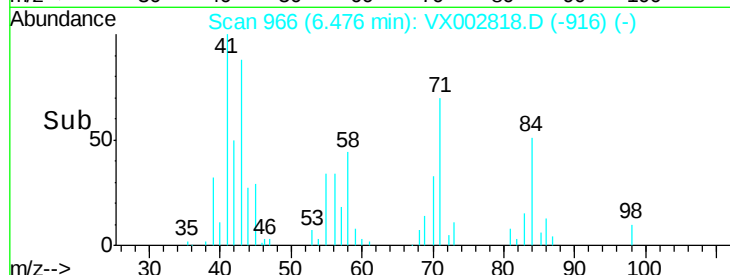
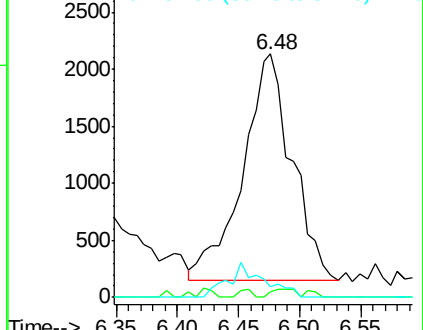
87 0.0 9.5 14.3#



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



#45

1,2-Dichloropropane

Concen: 0.35 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.06 min

Lab File: VX002818.D

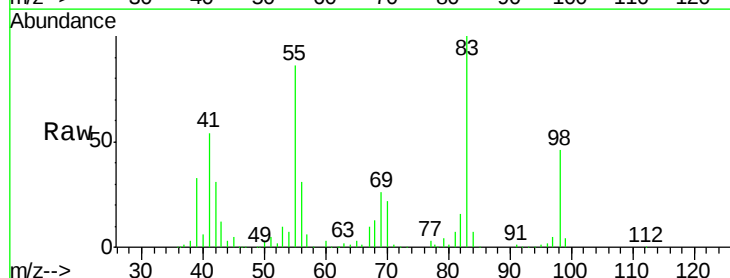
Acq: 22 Jun 2018 05:19

Tgt Ion: 63 Resp: 1031

Ion Ratio Lower Upper

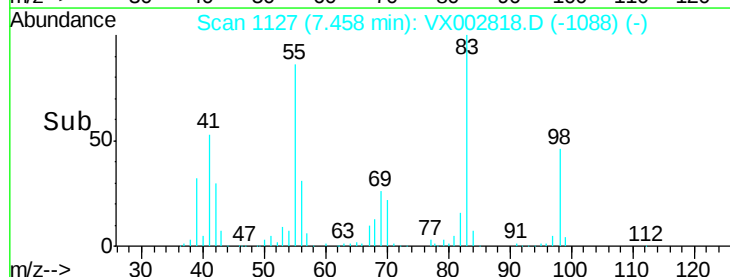
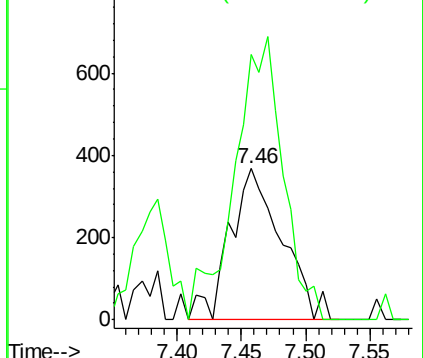
63 100

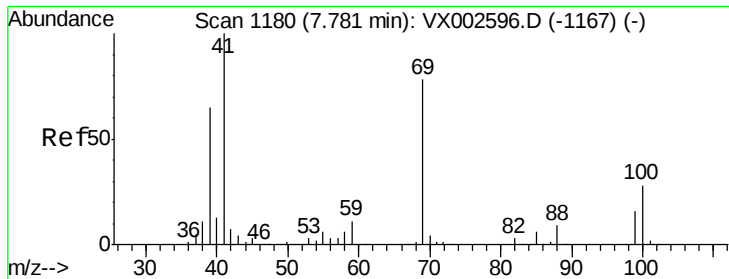
65 176.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#48

Methyl methacrylate

Concen: 1.29 ug/l

RT: 7.56 min Scan# 1143

Delta R.T. -0.23 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

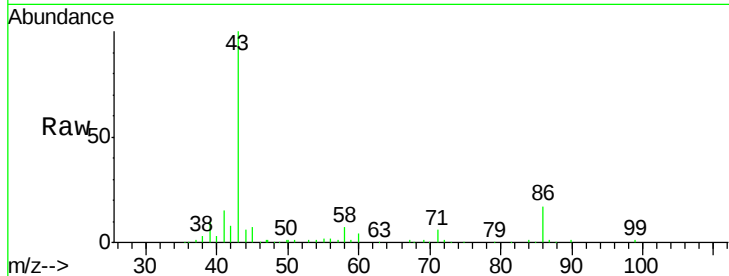
Tot Ion: 41 Resp: 4559

Ion Ratio Lower Upper

41 100

69 8.3 59.1 88.7#

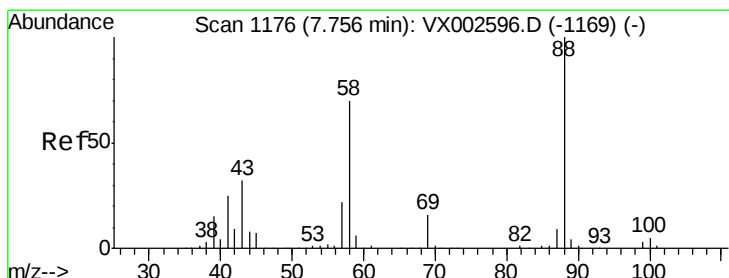
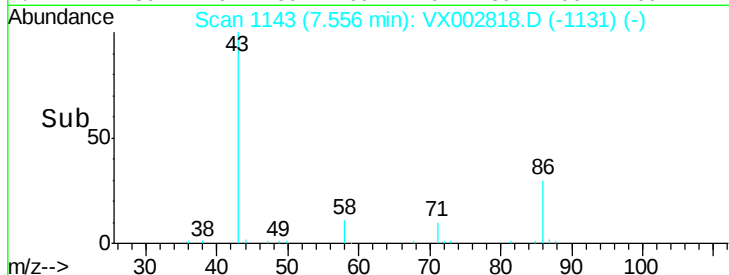
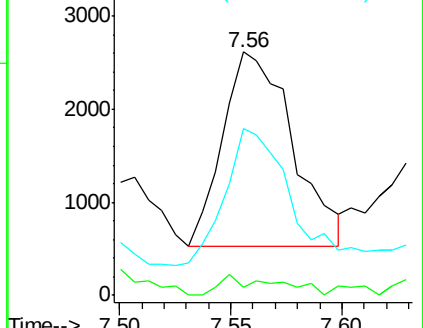
39 66.6 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 1.05 ug/l

RT: 7.98 min Scan# 1212

Delta R.T. 0.22 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

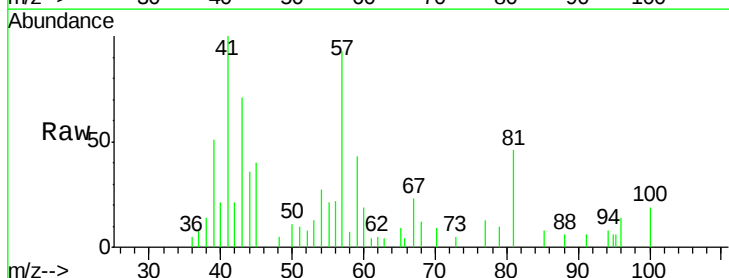
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

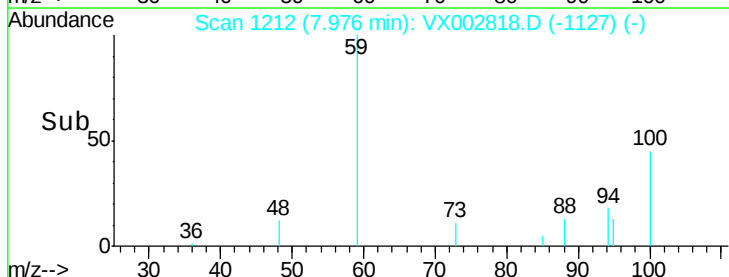
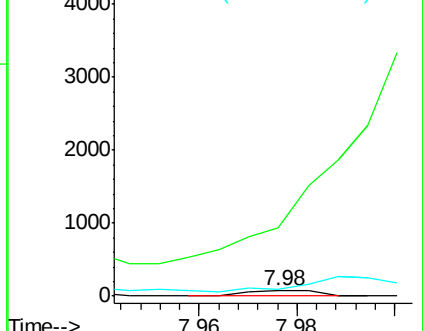
58 427.1 57.1 85.7#

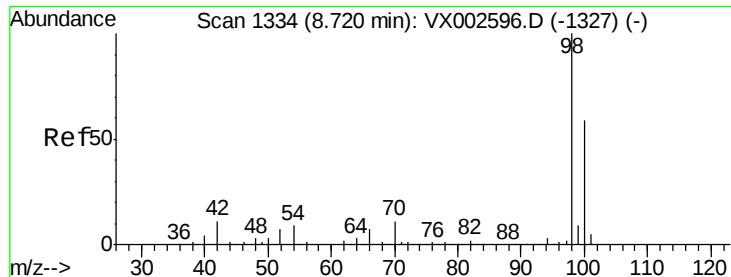


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.22 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

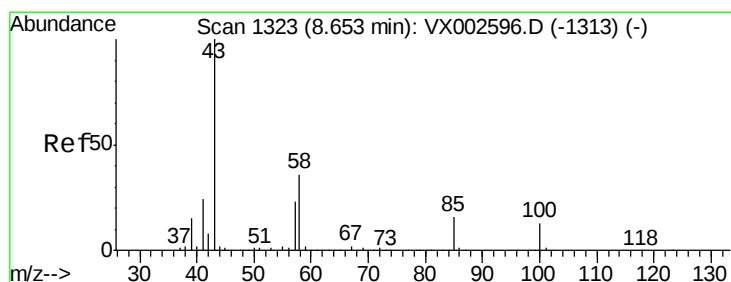
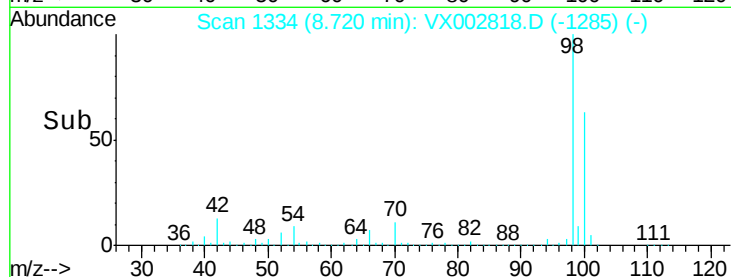
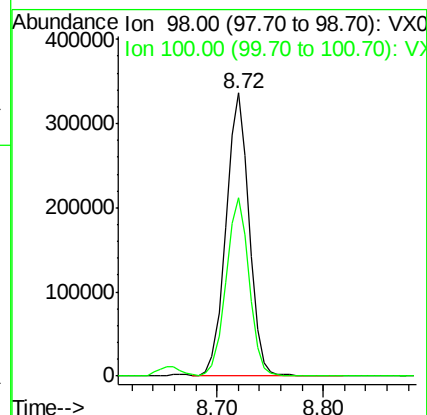
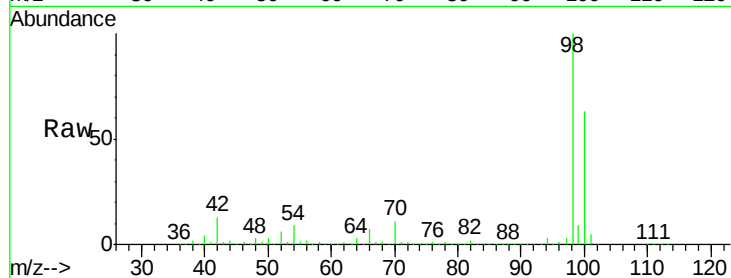
MW-11

Tot Ion: 98 Resp: 507629

Ion Ratio Lower Upper

98 100

100 62.6 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 30.81 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002818.D

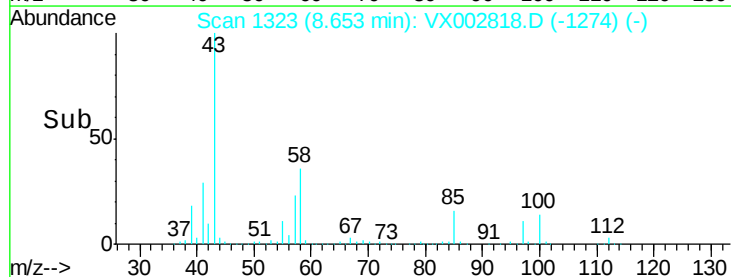
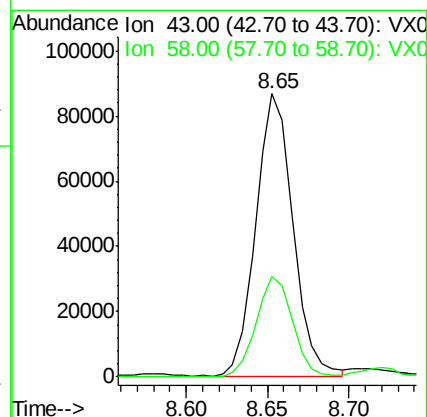
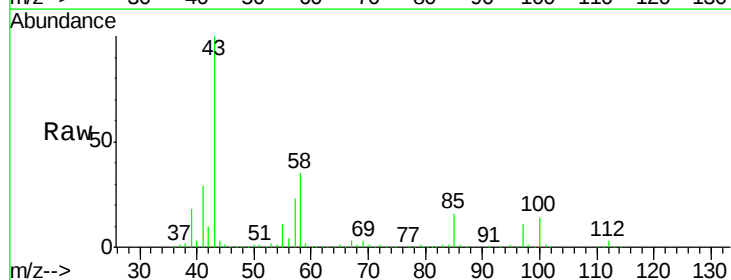
Acq: 22 Jun 2018 05:19

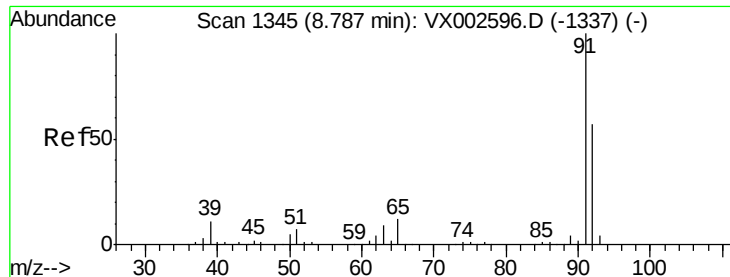
Tgt Ion: 43 Resp: 136884

Ion Ratio Lower Upper

43 100

58 35.1 28.6 42.8





#52

Toluene

Concen: 0.93 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

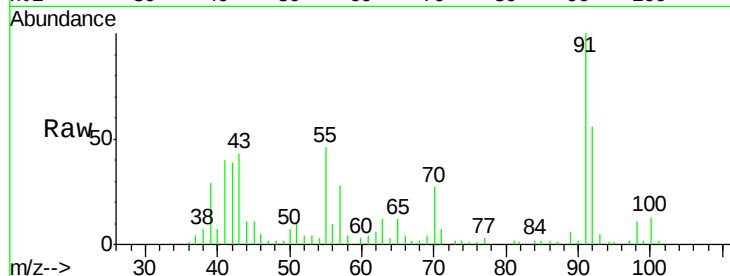
MW-11

Tot Ion: 92 Resp: 6575

Ion Ratio Lower Upper

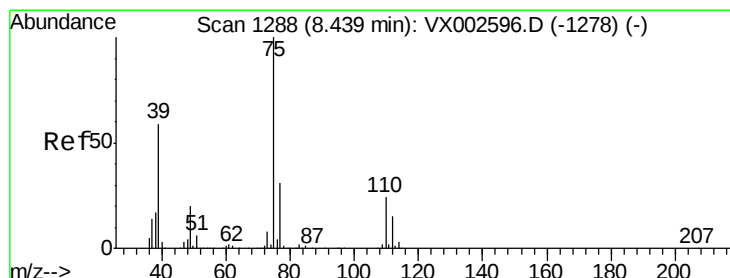
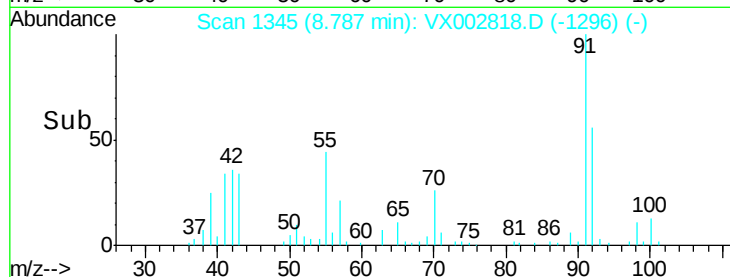
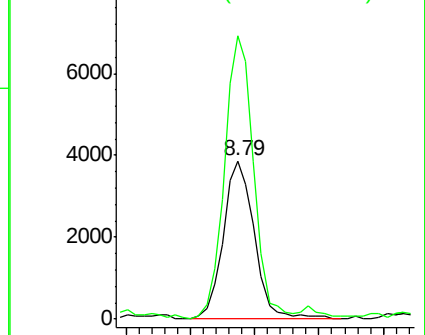
92 100

91 167.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.41 ug/l

RT: 8.45 min Scan# 1290

Delta R.T. 0.01 min

Lab File: VX002818.D

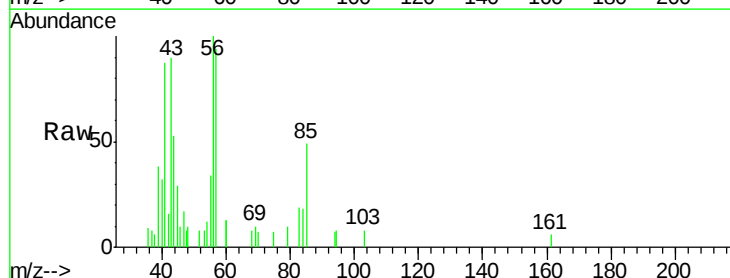
Acq: 22 Jun 2018 05:19

Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

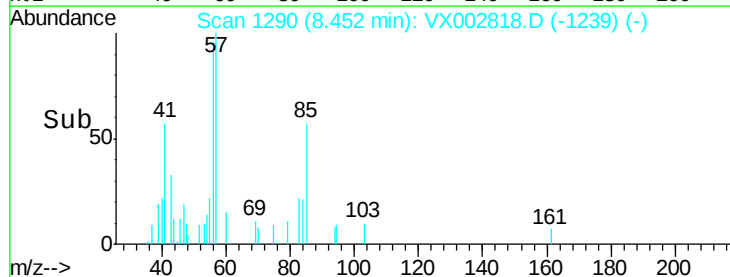
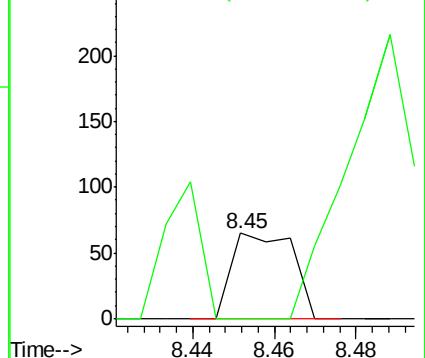
75 100

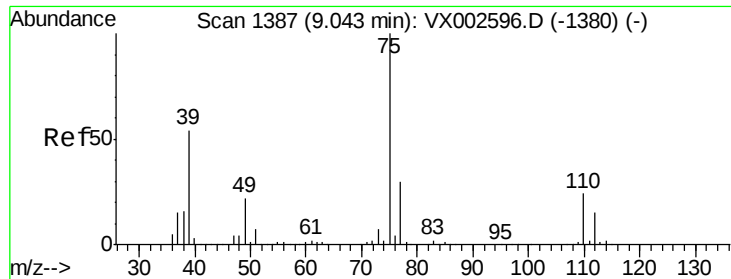
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

cis-1,3-Dichloropropene

Concen: 3.30 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

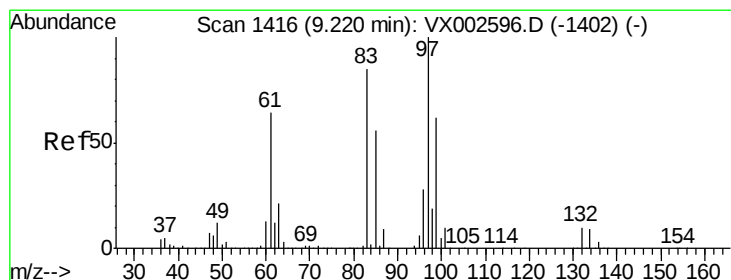
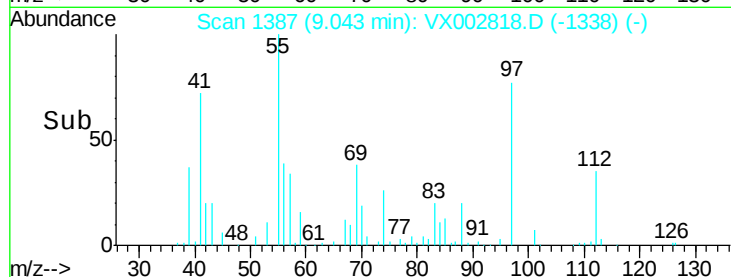
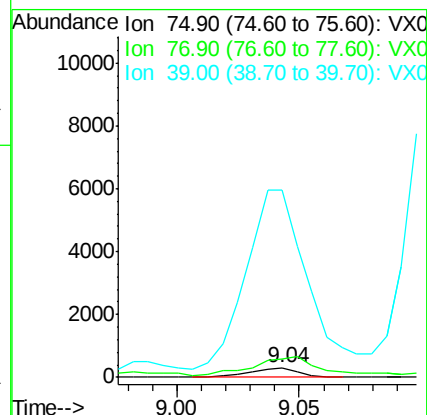
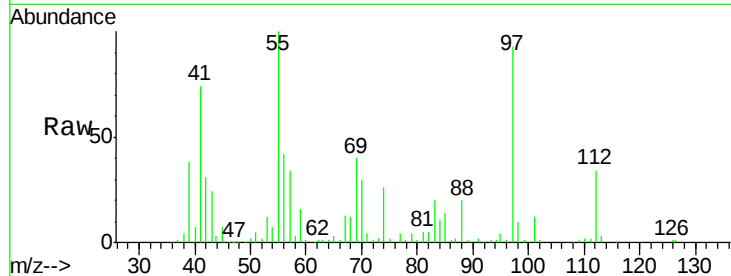
Tot Ion: 75 Resp: 414

Ion Ratio Lower Upper

75 100

77 171.4 24.8 37.2#

39 1881.6 42.4 63.6#



#55

1,1,2-Trichloroethane

Concen: 6.56 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Tgt Ion: 97 Resp: 18692

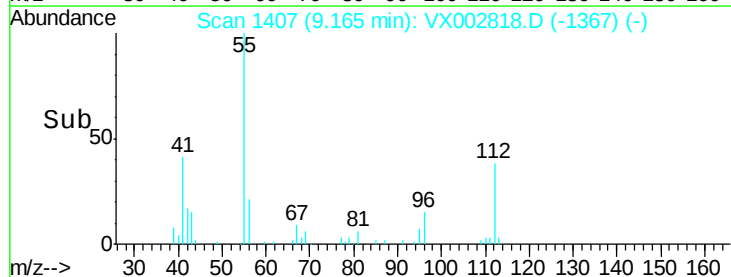
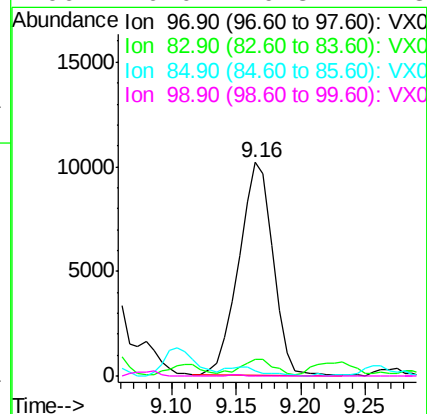
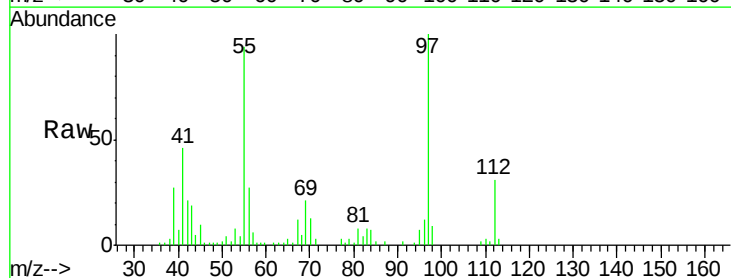
Ion Ratio Lower Upper

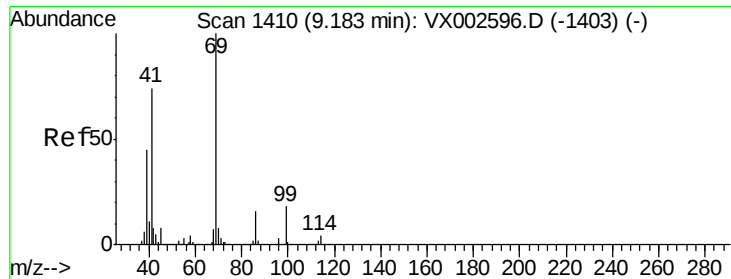
97 100

83 2.4 70.2 105.2#

85 1.6 44.9 67.3#

99 0.0 49.8 74.8#





#56

Ethyl methacrylate

Concen: 0.81 ug/l

RT: 9.17 min Scan# 1408

Delta R.T. -0.01 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

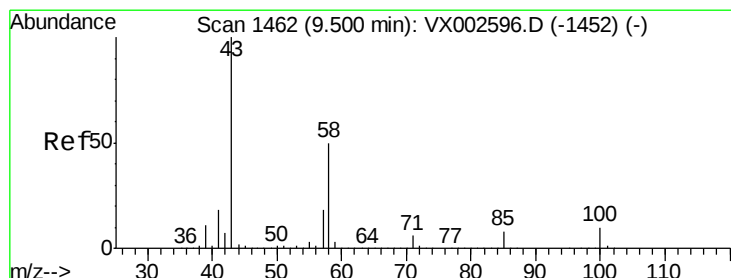
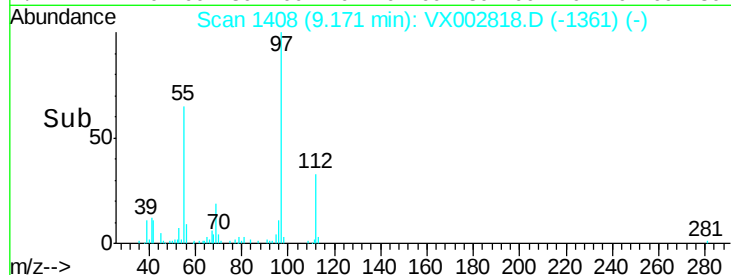
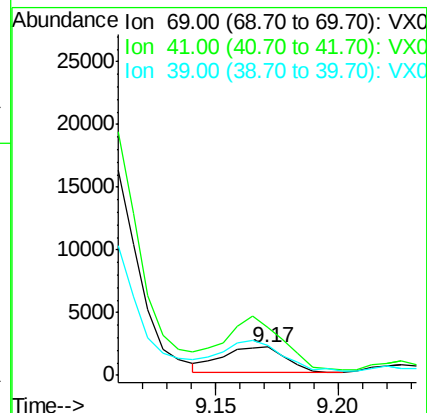
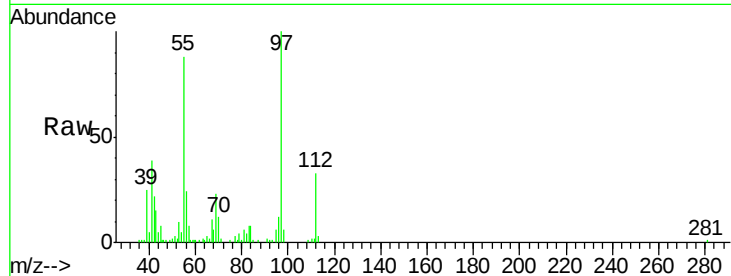
Tot Ion: 69 Resp: 3572

Ion Ratio Lower Upper

69 100

41 195.4 60.3 90.5#

39 119.2 35.8 53.8#



#59

2-Hexanone

Concen: 0.93 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX002818.D

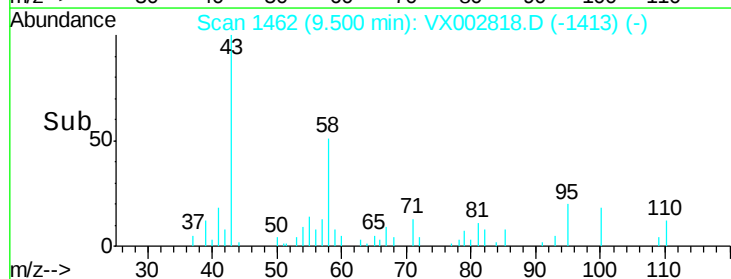
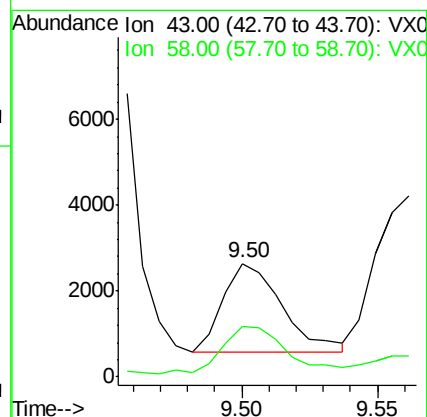
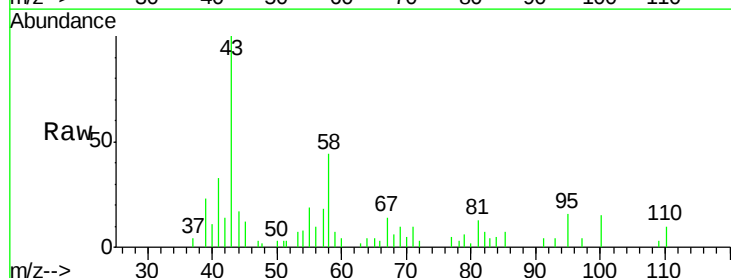
Acq: 22 Jun 2018 05:19

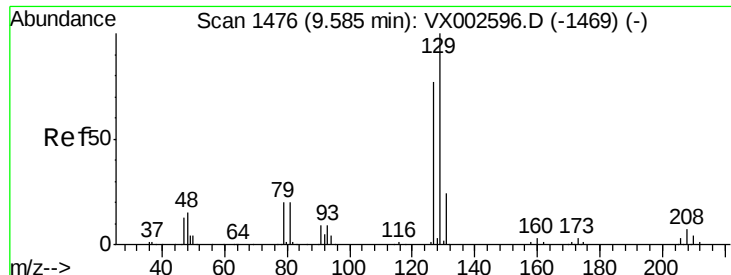
Tgt Ion: 43 Resp: 3101

Ion Ratio Lower Upper

43 100

58 60.3 24.6 73.6





#60

Dibromochloromethane

Concen: 3.78 ug/l

RT: 9.45 min Scan# 1453

Delta R.T. -0.14 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

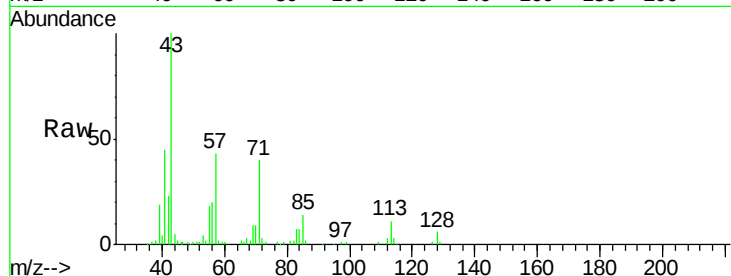
MW-11

Tot Ion:129 Resp: 61

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#

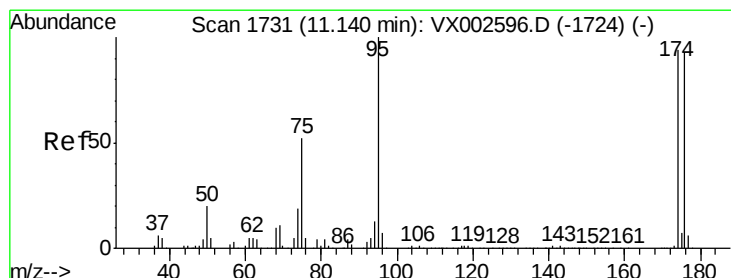
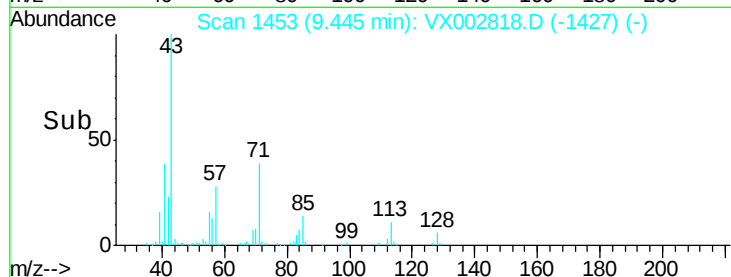


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.45

Time--> 9.42 9.44 9.46



#62

4-Bromofluorobenzene

Concen: 47.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

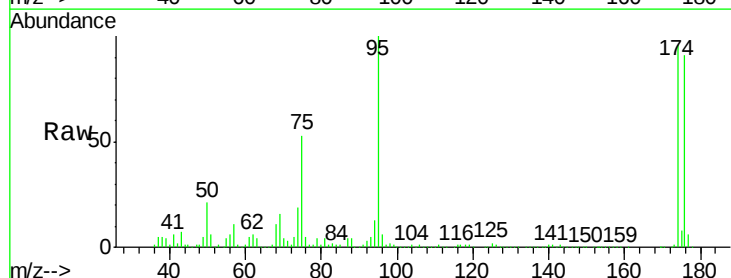
Tgt Ion: 95 Resp: 190561

Ion Ratio Lower Upper

95 100

174 96.0 0.0 187.4

176 92.1 0.0 181.0



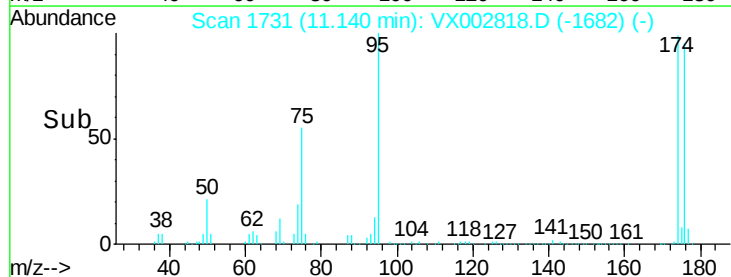
Abundance Ion 94.90 (94.60 to 95.60): VX0

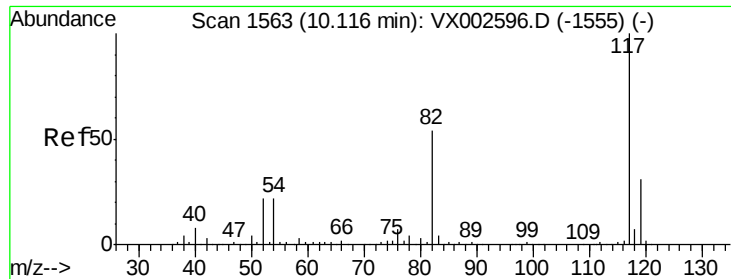
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time--> 11.10 11.15

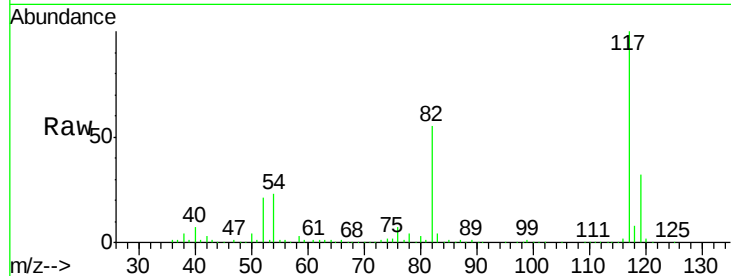




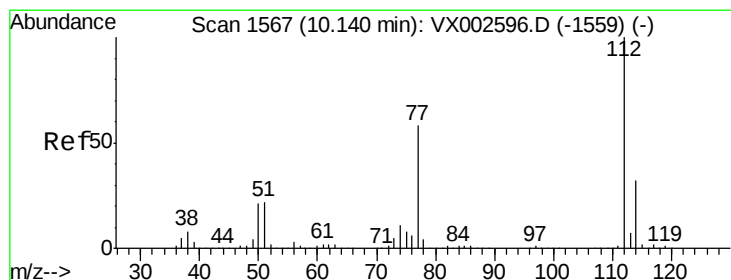
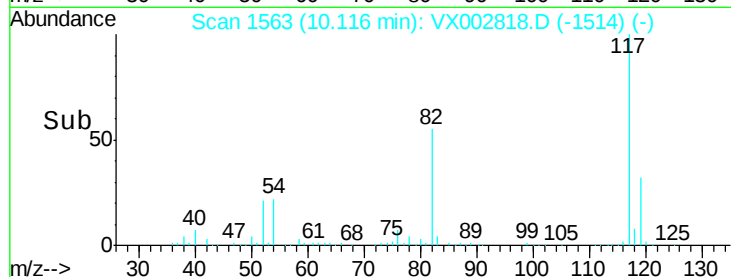
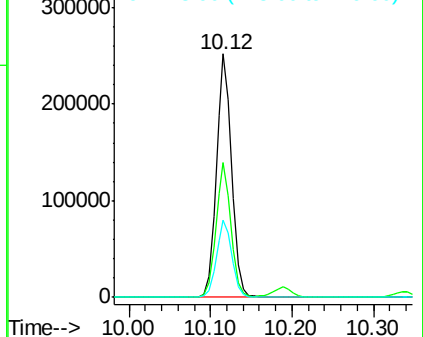
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion:117 Resp: 331843
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 31.7 25.8 38.6

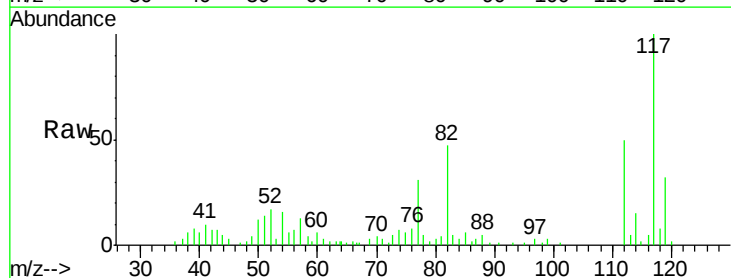


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

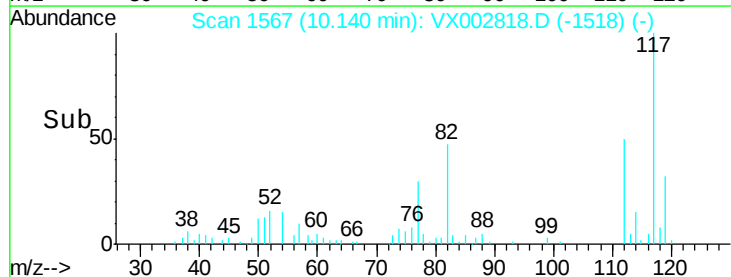
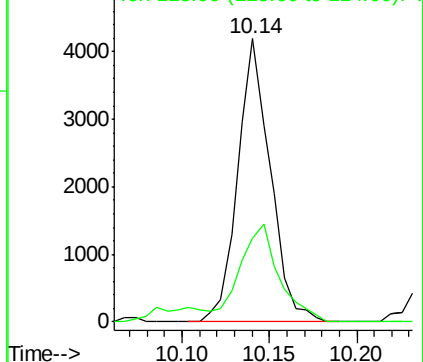


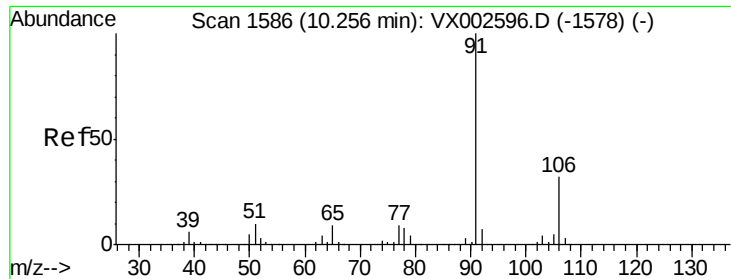
#65
Chlorobenzene
Concen: 0.67 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion:112 Resp: 5427
Ion Ratio Lower Upper
112 100
114 29.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.72 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

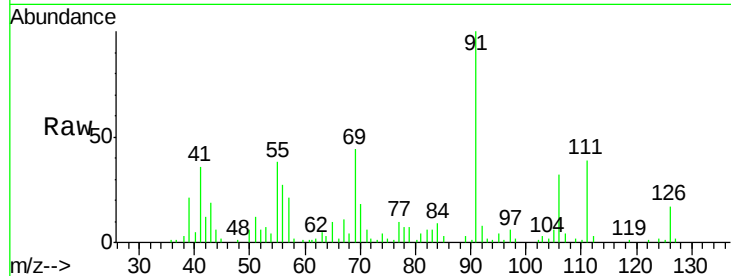
MW-11

Tot Ion: 91 Resp: 9860

Ion Ratio Lower Upper

91 100

106 32.5 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX002596.D (-1578) (-)

Ion 106.00 (105.70 to 106.70): VX002596.D (-1578) (-)

10.26

8000

6000

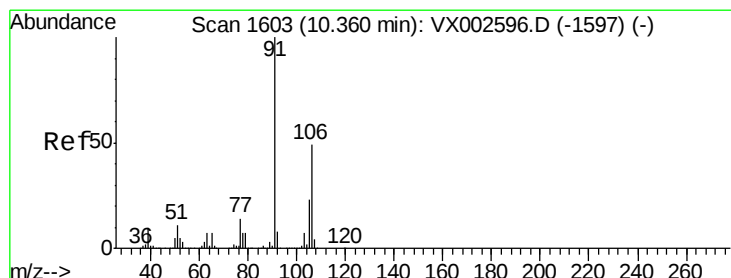
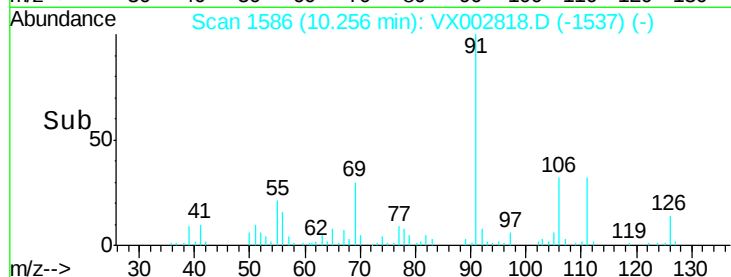
4000

2000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 2.38 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX002818.D

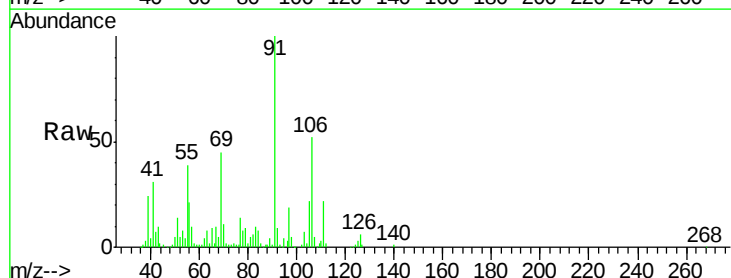
Acq: 22 Jun 2018 05:19

Tgt Ion: 106 Resp: 12601

Ion Ratio Lower Upper

106 100

91 201.3 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX002596.D (-1597) (-)

Ion 91.00 (90.70 to 91.70): VX002596.D (-1597) (-)

10.36

20000

15000

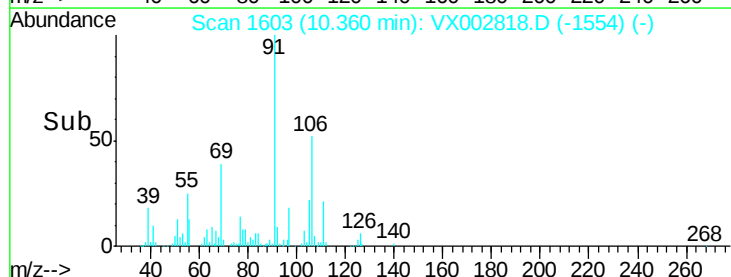
10000

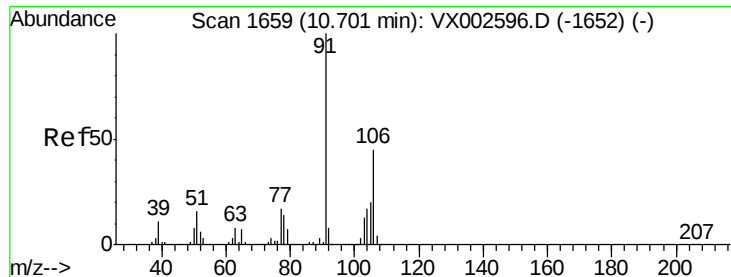
5000

0

10.30 10.35 10.40

Time-->

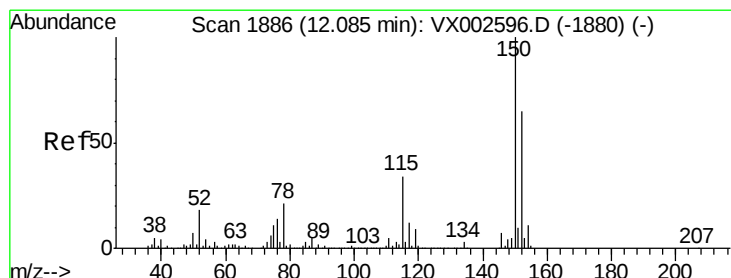
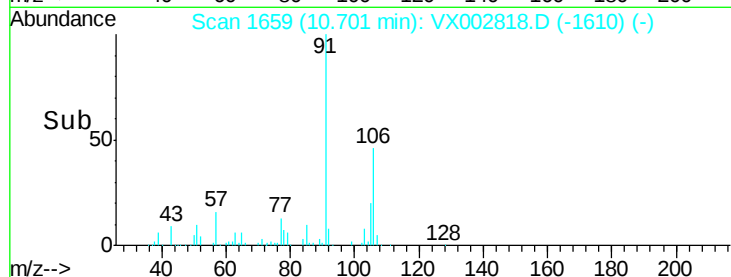
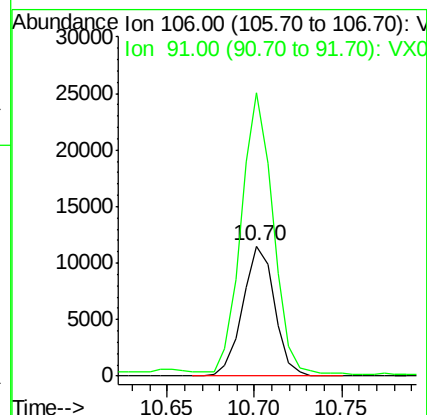
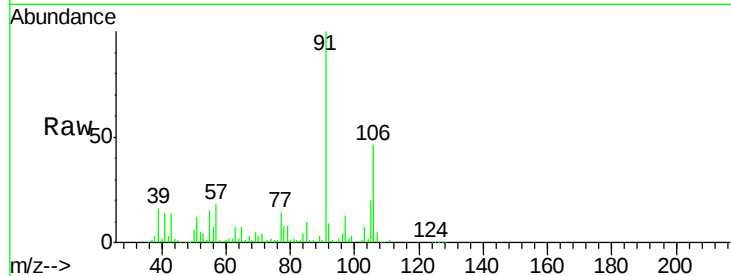




#69
o-Xylene
Concen: 2.80 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

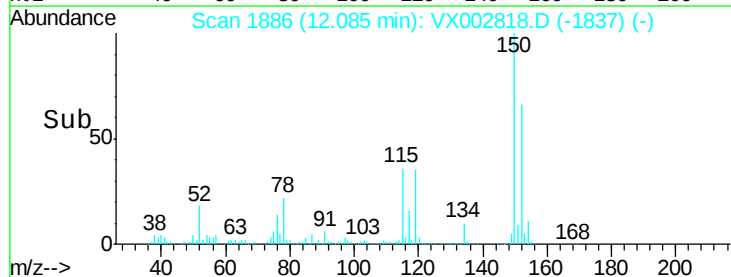
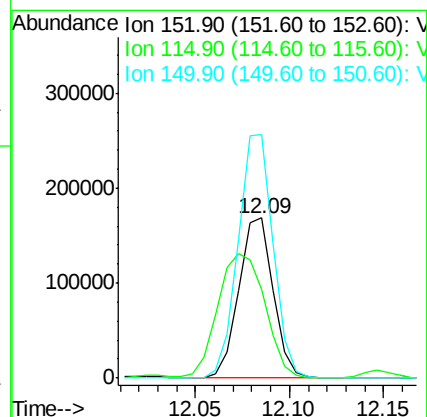
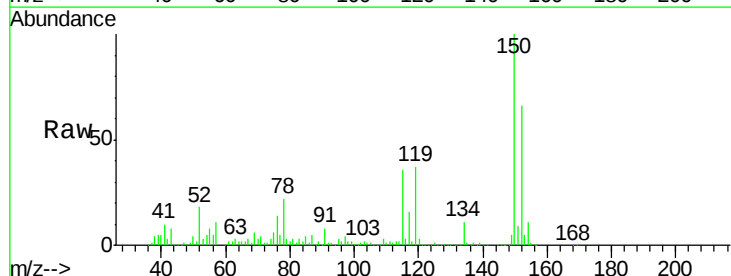
Instrument :
MSVOA_X
ClientSampled :
MW-11

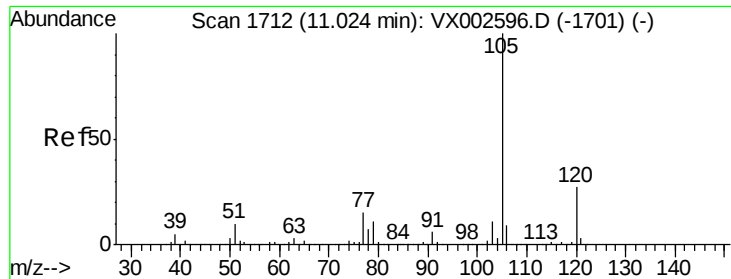
Tot Ion:106 Resp: 14600
Ion Ratio Lower Upper
106 100
91 217.9 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion:152 Resp: 212848
Ion Ratio Lower Upper
152 100
115 104.9 40.1 120.2
150 155.5 0.0 347.2





#73

Isopropylbenzene

Concen: 21.40 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

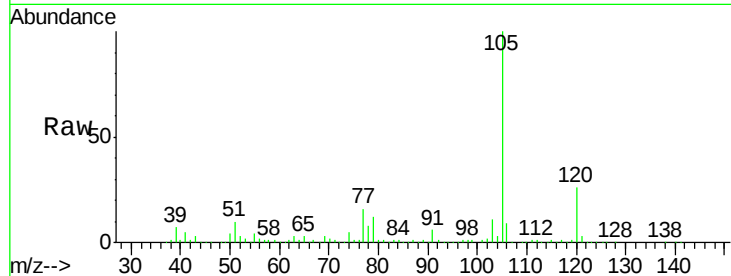
MW-11

Tot Ion:105 Resp: 304630

Ion Ratio Lower Upper

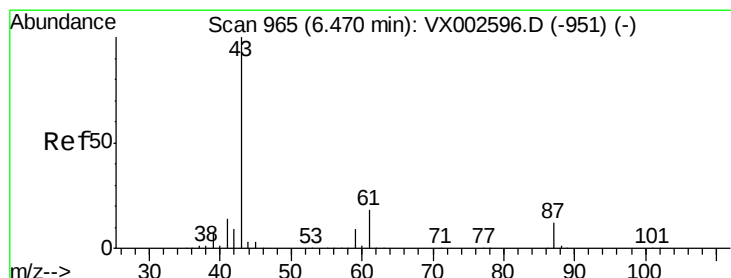
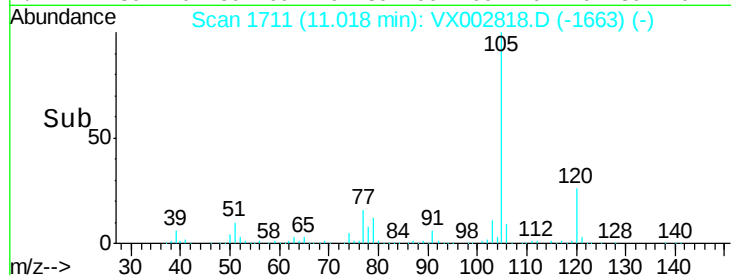
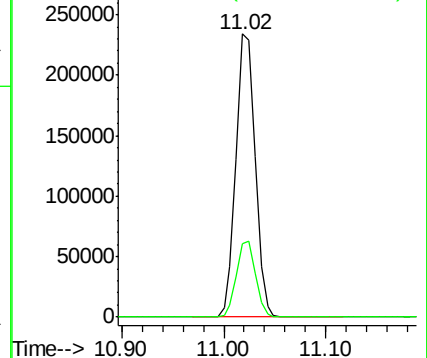
105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.78 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Tgt Ion: 43 Resp: 5546

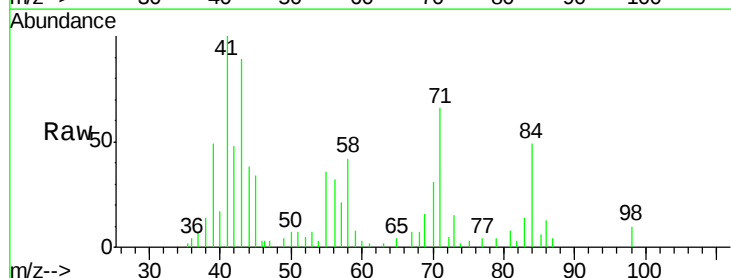
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 1.8 14.4 21.6#

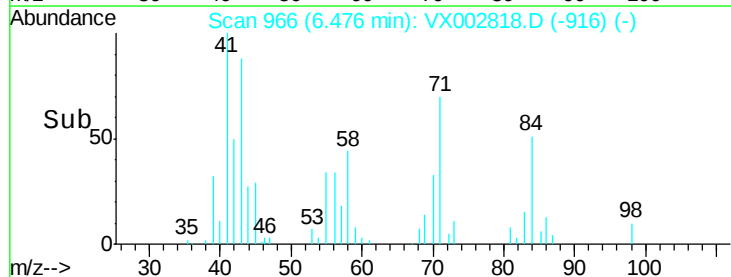
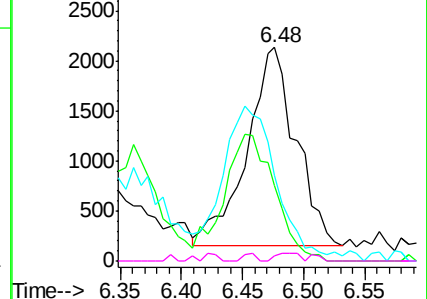


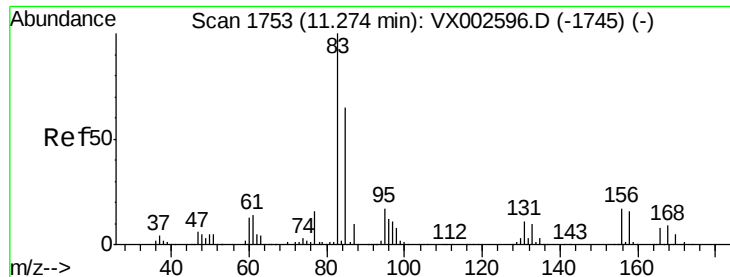
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.31 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampled :

MW-11

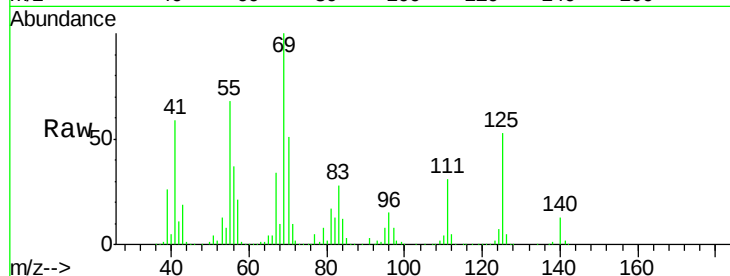
Tot Ion: 83 Resp: 22313

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

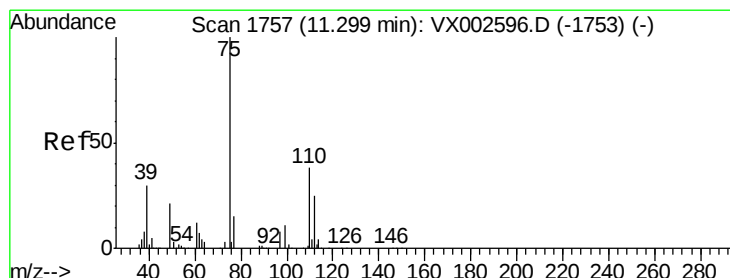
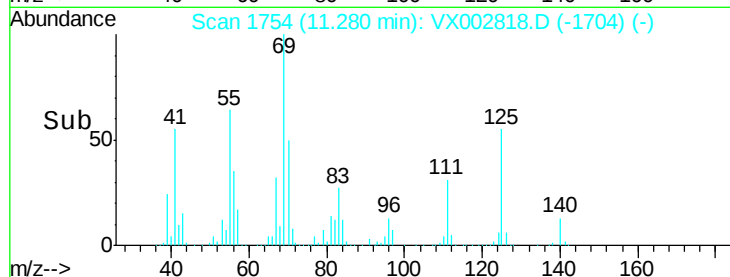
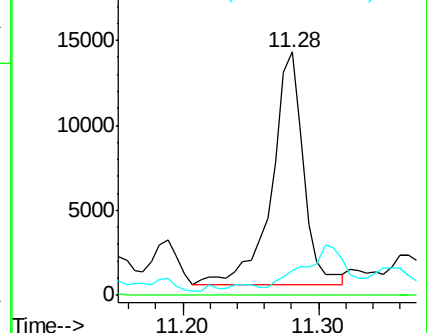
85 0.0 32.4 97.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.83 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.07 min

Lab File: VX002818.D

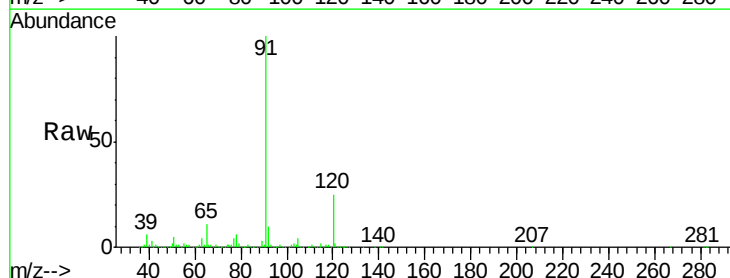
Acq: 22 Jun 2018 05:19

Tgt Ion: 75 Resp: 3316

Ion Ratio Lower Upper

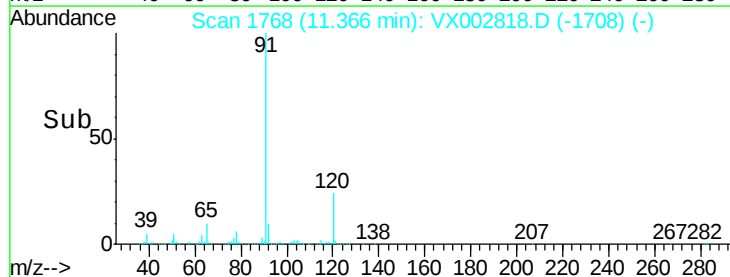
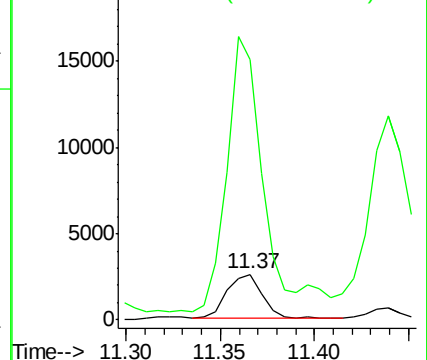
75 100

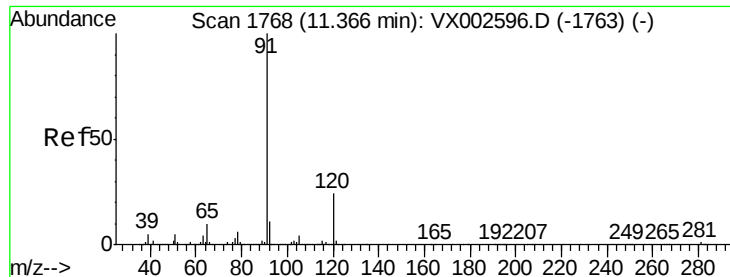
77 614.6 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 29.88 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

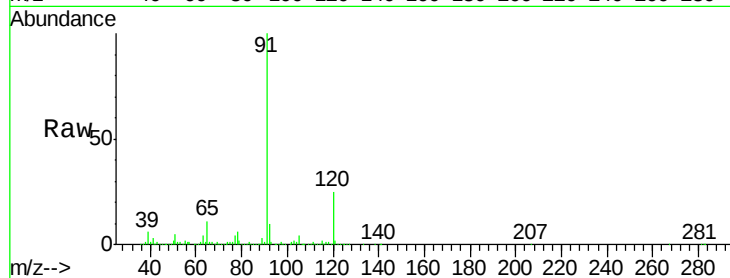
MW-11

Tot Ion: 91 Resp: 487786

Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.37

400000

300000

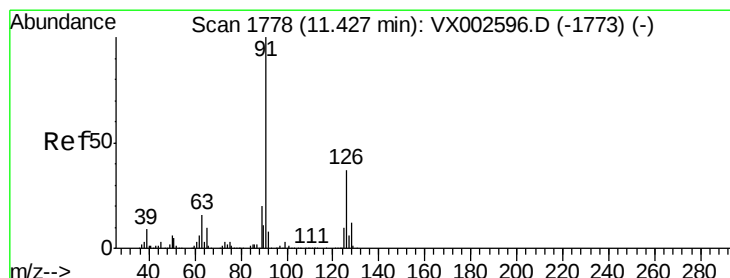
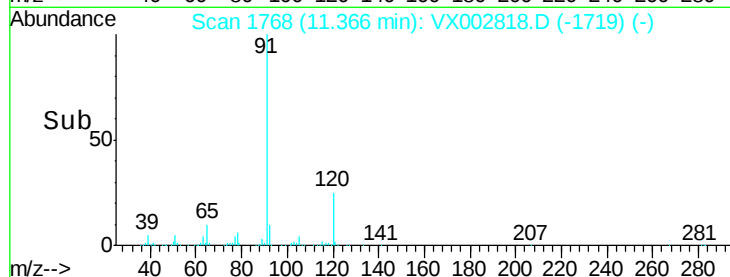
200000

100000

0

11.30 11.35 11.40

Time-->



#79

2-Chlorotoluene

Concen: 50.04 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.06 min

Lab File: VX002818.D

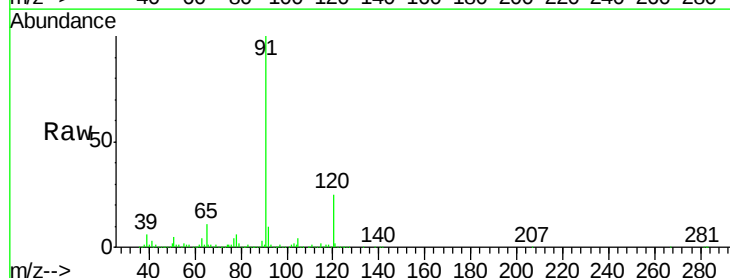
Acq: 22 Jun 2018 05:19

Tgt Ion: 91 Resp: 487786

Ion Ratio Lower Upper

91 100

126 0.2 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.37

400000

300000

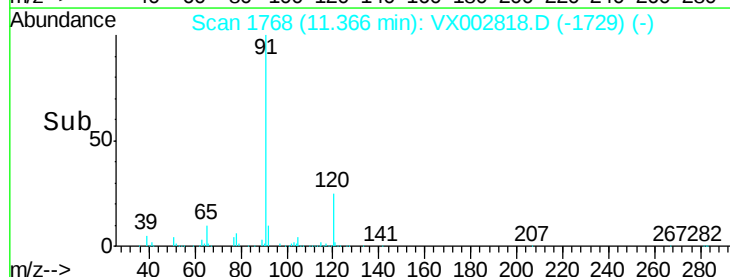
200000

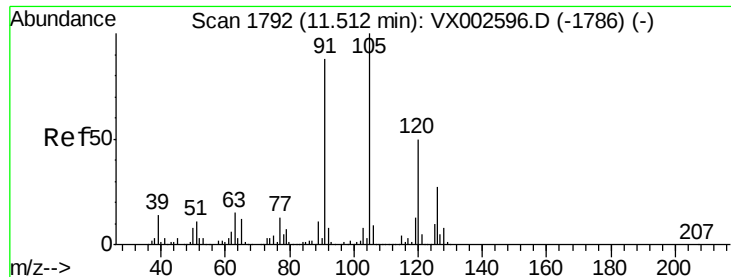
100000

0

11.30 11.35 11.40

Time-->

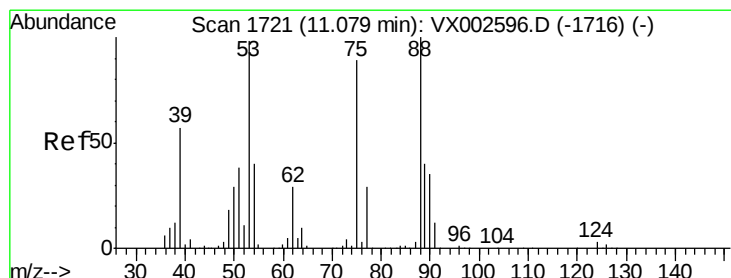
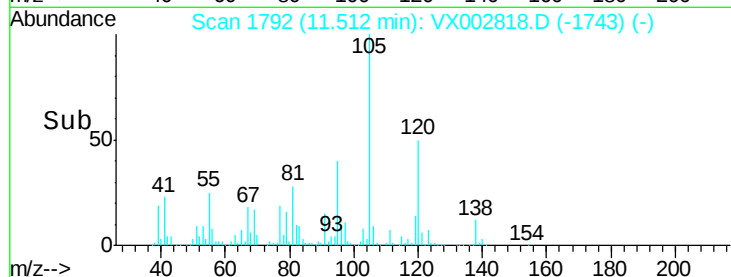
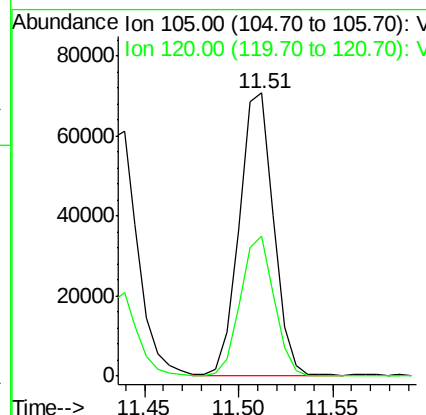
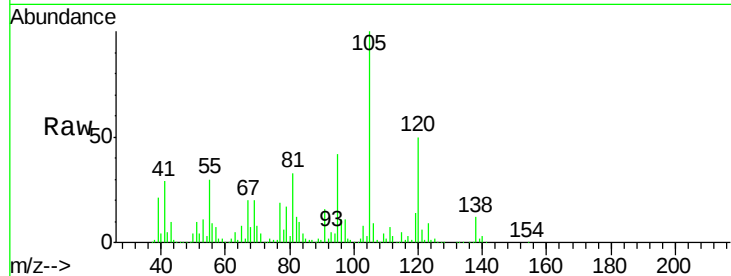




#80
 1,3,5-Trimethylbenzene
 Concen: 7.39 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

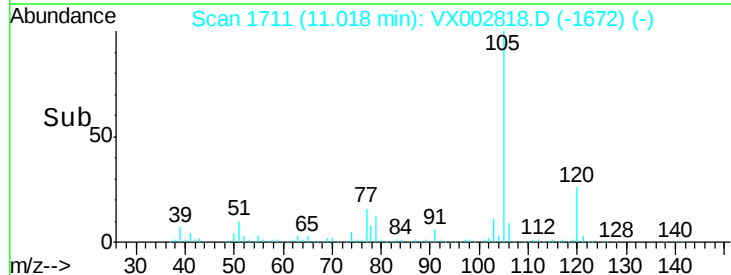
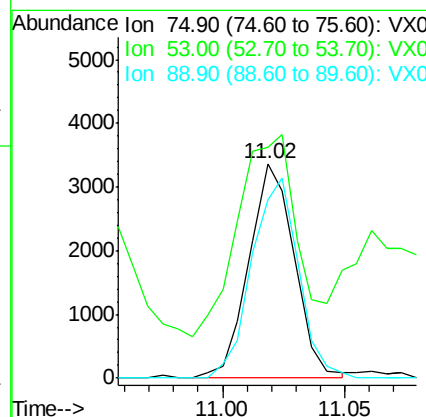
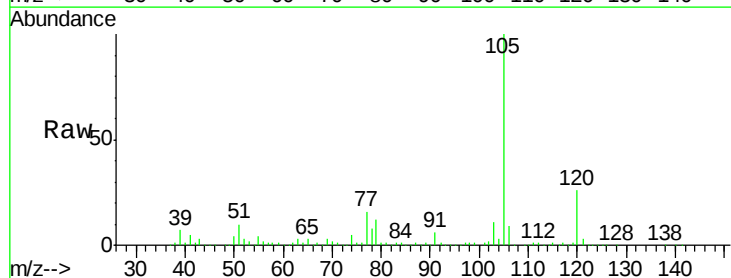
Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

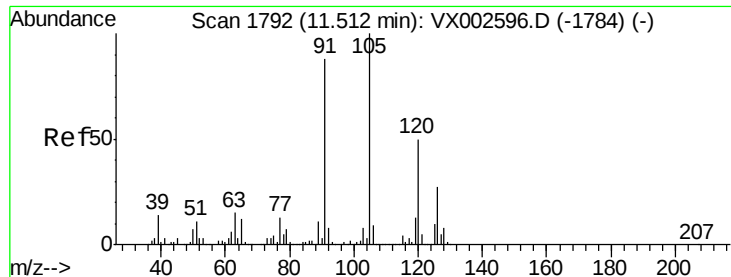
Tot Ion:105 Resp: 88940
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 7.38 ug/l
 RT: 11.02 min Scan# 1711
 Delta R.T. -0.06 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

Tgt Ion: 75 Resp: 4376
 Ion Ratio Lower Upper
 75 100
 53 122.4 86.8 130.2
 89 95.6 38.2 57.2#

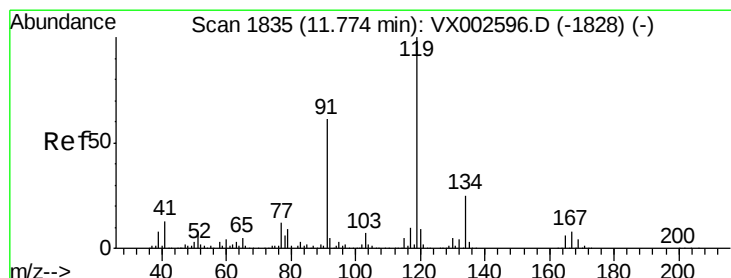
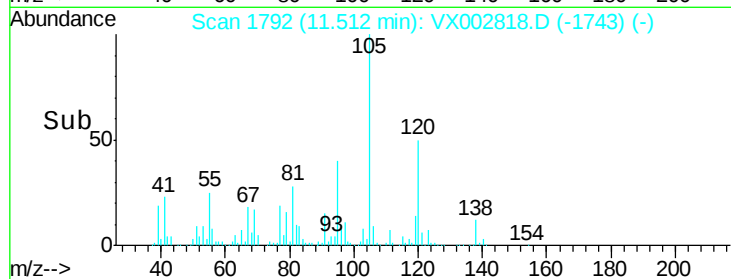
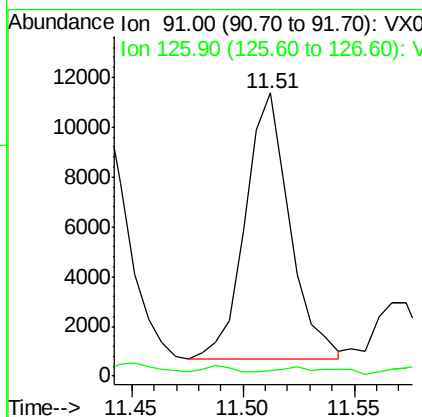
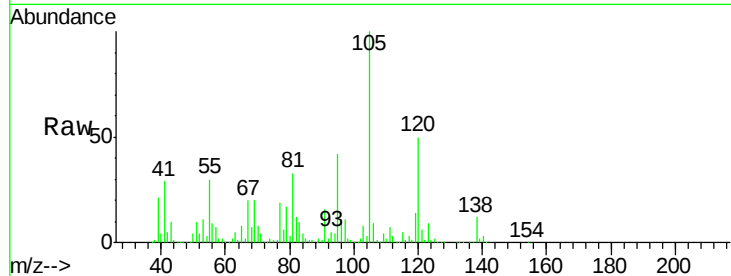




#82
4-Chlorotoluene
Concen: 1.30 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

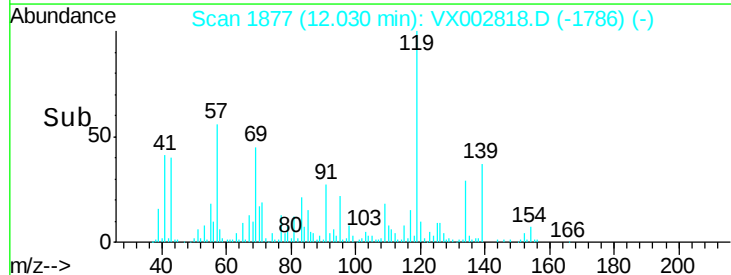
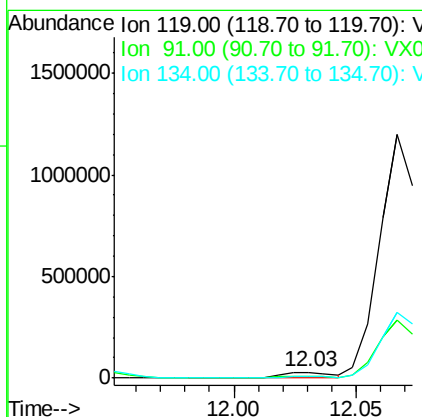
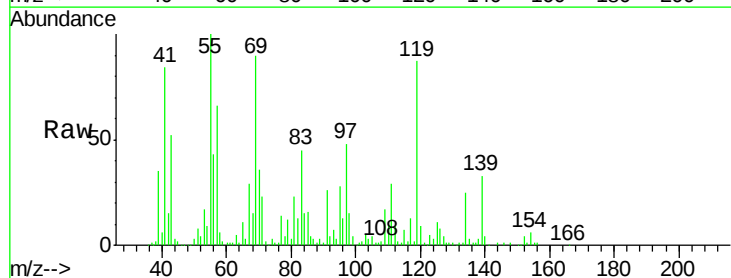
Instrument :
MSVOA_X
ClientSampled :
MW-11

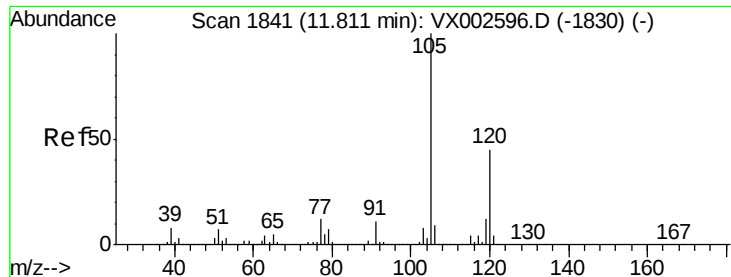
Tot Ion: 91 Resp: 14957
Ion Ratio Lower Upper
91 100
126 3.0 15.4 46.4#



#83
tert-Butylbenzene
Concen: 3.28 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. 0.26 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion: 119 Resp: 38041
Ion Ratio Lower Upper
119 100
91 34.3 30.3 90.9
134 27.9 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 19.97 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

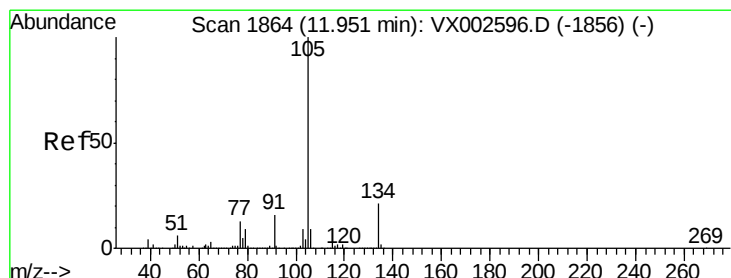
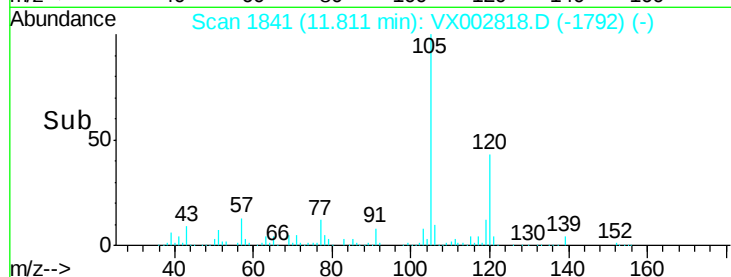
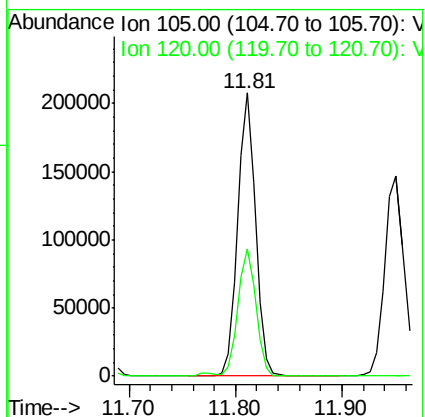
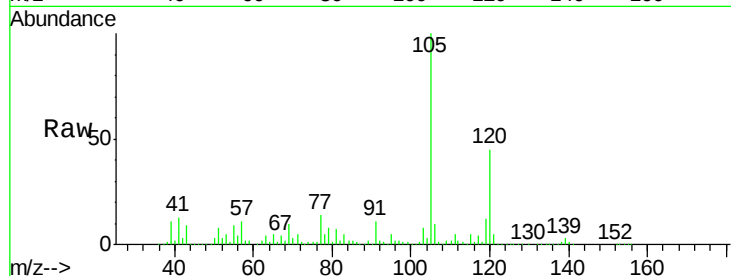
MW-11

Tot Ion:105 Resp: 245171

Ion Ratio Lower Upper

105 100

120 46.3 22.3 66.8



#85

sec-Butylbenzene

Concen: 12.67 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002818.D

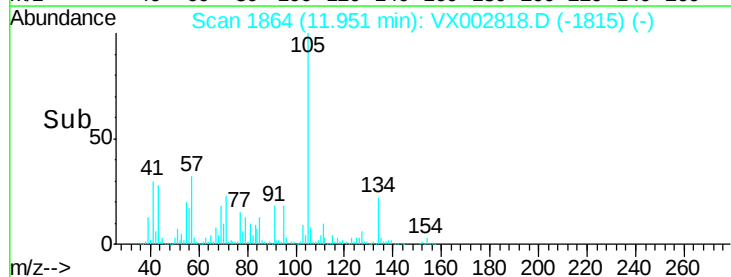
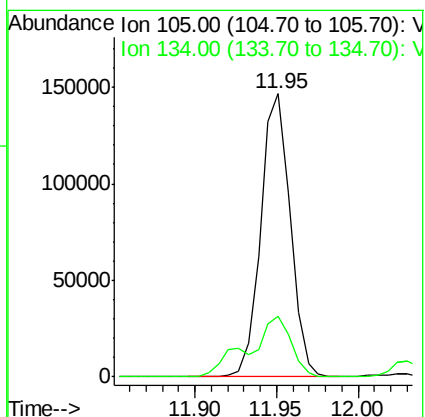
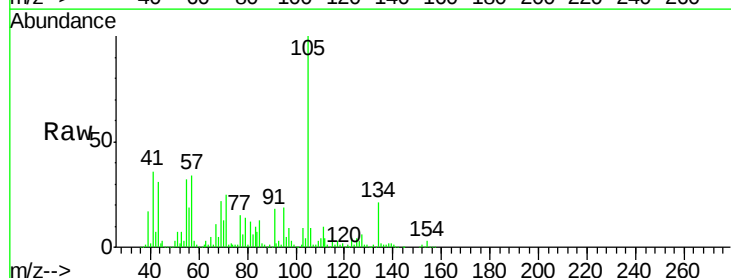
Acq: 22 Jun 2018 05:19

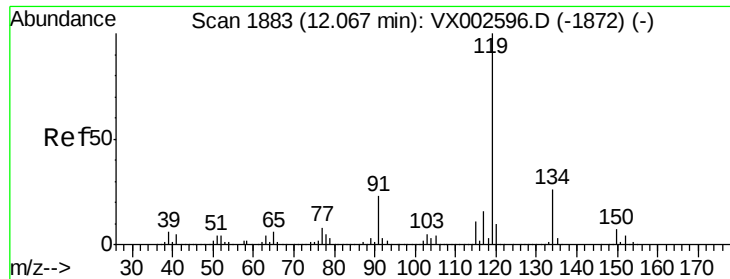
Tgt Ion:105 Resp: 182550

Ion Ratio Lower Upper

105 100

134 31.1 10.4 31.1#

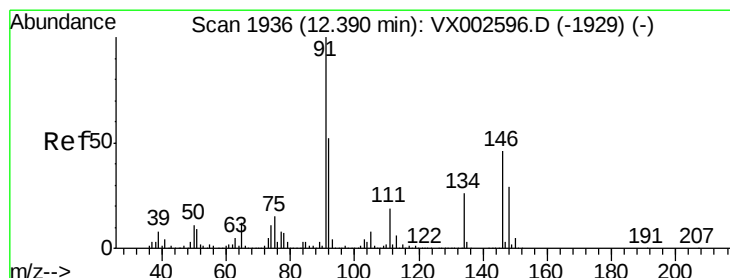
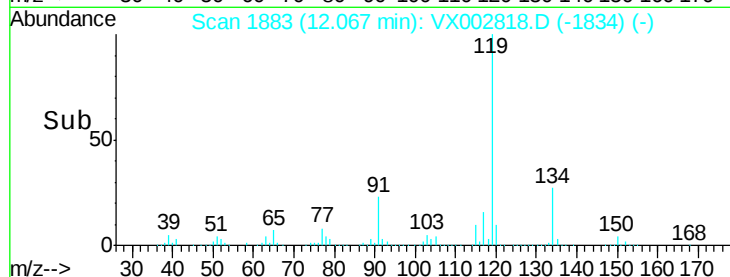
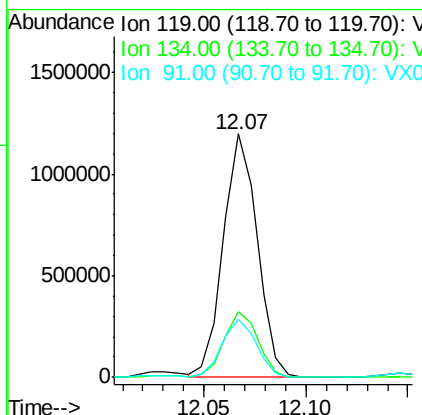
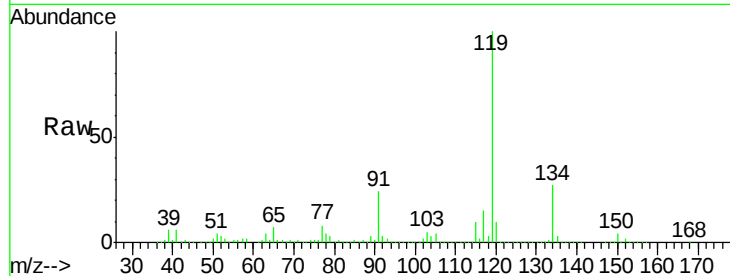




#86
p-Isopropyltoluene
Concen: 105.83 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

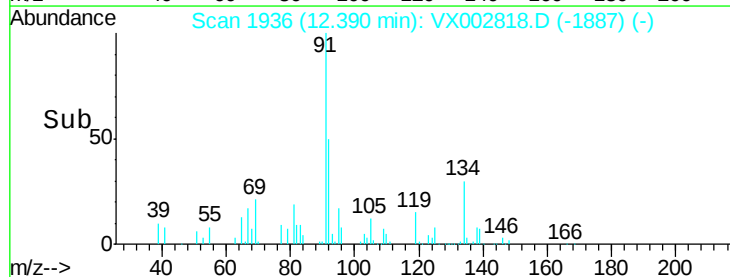
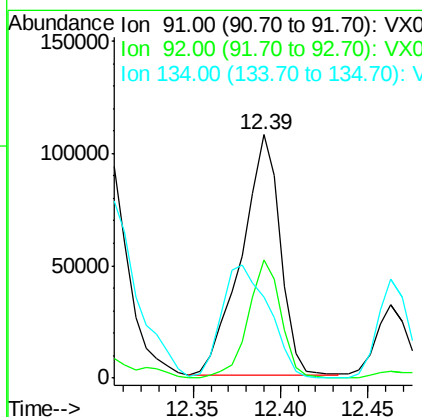
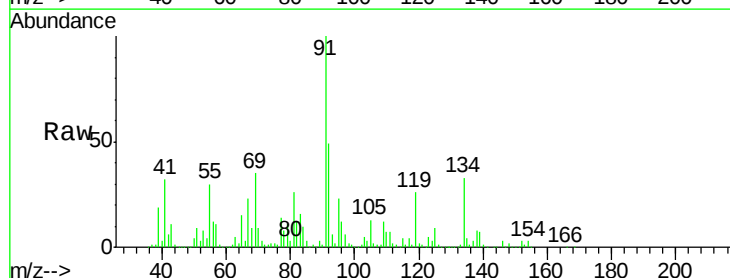
Instrument :
MSVOA_X
ClientSampled :
MW-11

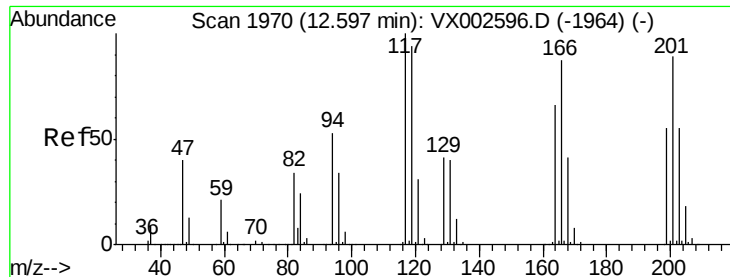
Tot Ion:119 Resp: 1379943
Ion Ratio Lower Upper
119 100
134 27.1 13.4 40.1
91 23.8 11.9 35.7



#89
n-Butylbenzene
Concen: 14.30 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002818.D
Acq: 22 Jun 2018 05:19

Tgt Ion: 91 Resp: 164458
Ion Ratio Lower Upper
91 100
92 41.1 26.0 78.0
134 57.7 13.5 40.5#





#90

Hexachloroethane

Concen: 45.54 ug/l

RT: 12.67 min Scan# 1982

Delta R.T. 0.07 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

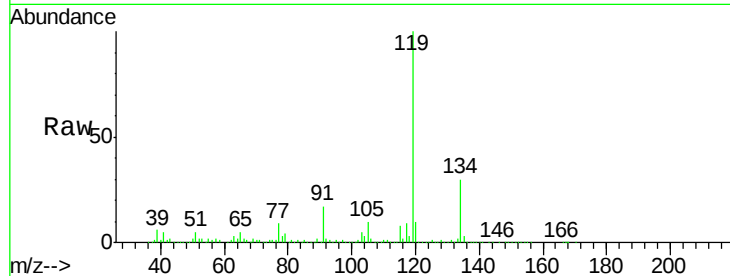
MW-11

Tot Ion:117 Resp: 92052

Ion Ratio Lower Upper

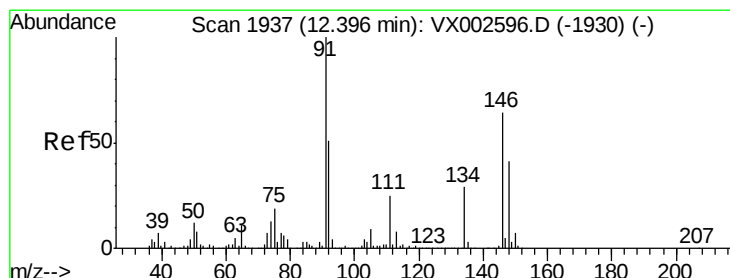
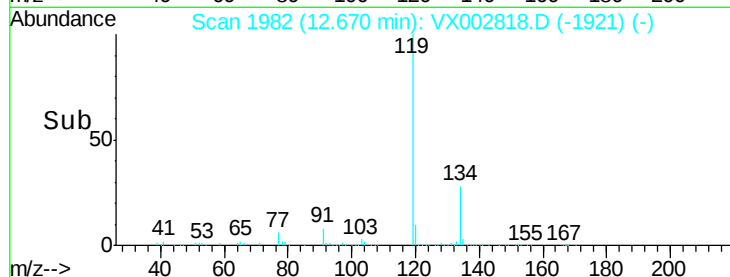
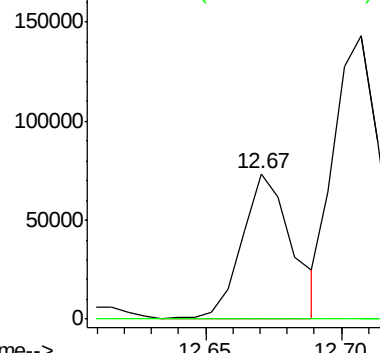
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.76 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002818.D

Acq: 22 Jun 2018 05:19

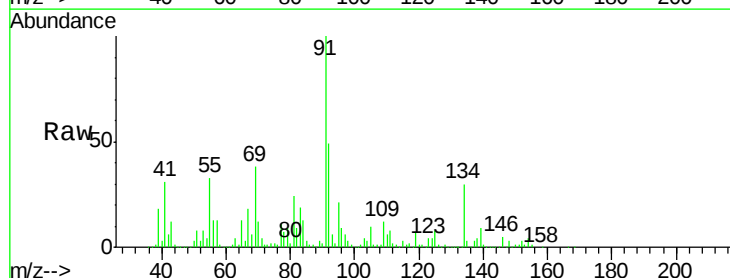
Tgt Ion:146 Resp: 5586

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.1#

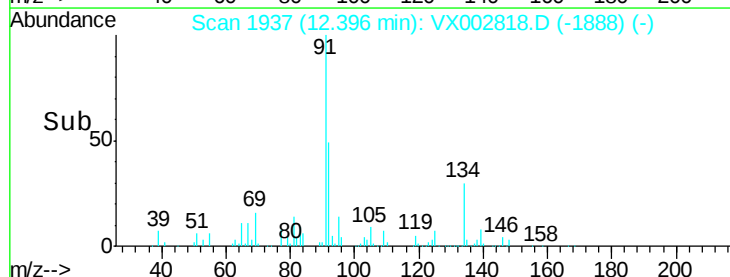
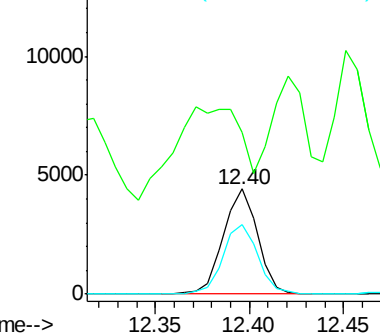
148 67.7 31.7 95.1

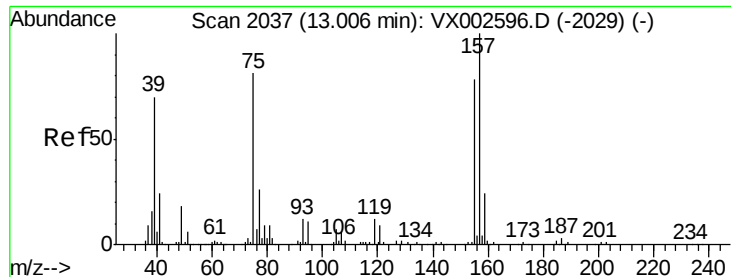


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

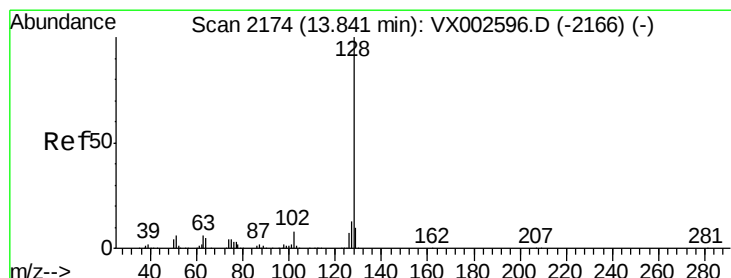
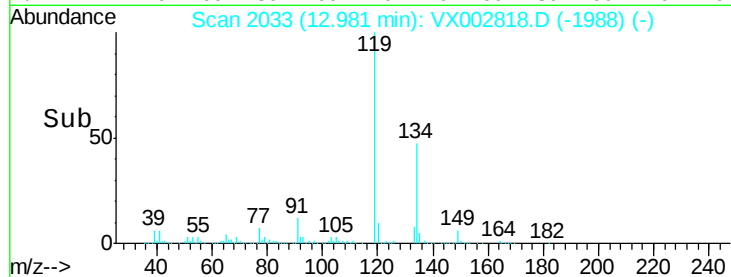
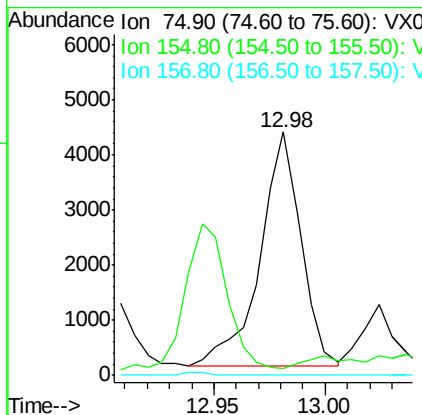
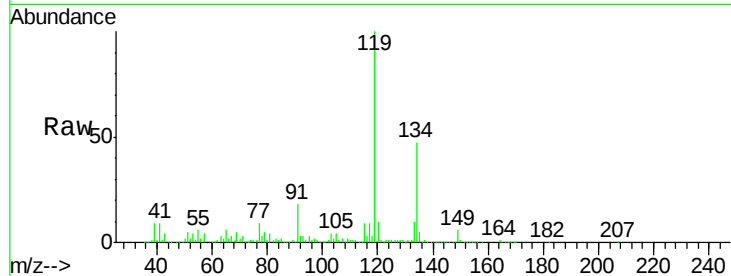




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.13 ug/l
 RT: 12.98 min Scan# 2033
 Delta R.T. -0.02 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

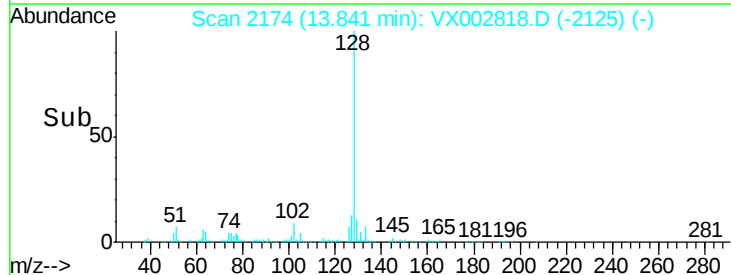
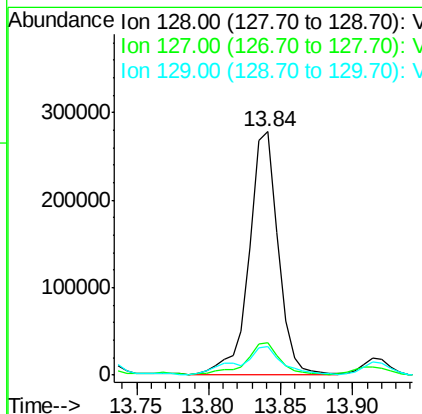
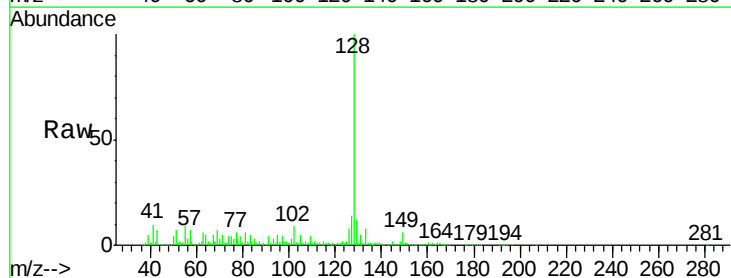
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

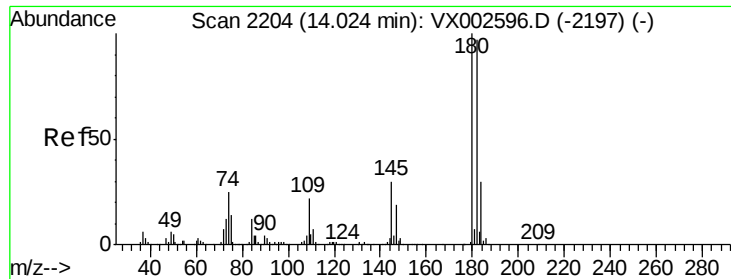
Tot Ion: 75 Resp: 5402
 Ion Ratio Lower Upper
 75 100
 155 6.0 45.8 137.4#
 157 0.0 60.1 180.3#



#95
 Naphthalene
 Concen: 26.67 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

Tgt Ion: 128 Resp: 381271
 Ion Ratio Lower Upper
 128 100
 127 14.6 10.4 15.6
 129 16.4 8.6 13.0#

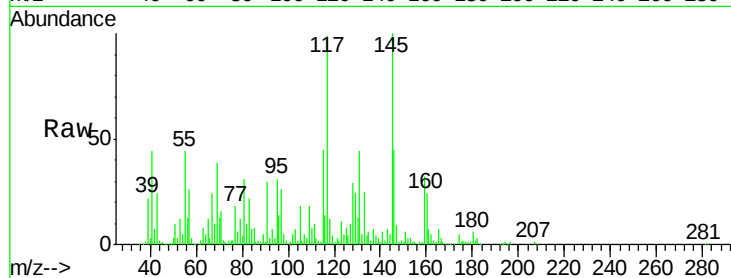




#96
 1,2,3-Trichlorobenzene
 Concen: 0.87 ug/l
 RT: 14.04 min Scan# 2206
 Delta R.T. 0.01 min
 Lab File: VX002818.D
 Acq: 22 Jun 2018 05:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Tot Ion:180 Resp: 4650
 Ion Ratio Lower Upper
 180 100
 182 56.3 48.0 144.0
 145 1642.4 14.8 44.3#



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

