

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
 Data File : VX007410.D
 Acq On : 06 Feb 2019 19:57
 Operator : JC/SP
 Sample : K1392-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Feb 07 00:05:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	536250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	823446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	791266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	406638	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	289043	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	5.51	113	260120	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.71	98	997805	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.13	95	372031	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1634	0.271	ug/l #	62
4) Vinyl Chloride	1.41	62	54334	9.169	ug/l	97
5) Bromomethane	1.64	94	789	Below Cal	#	43
6) Chloroethane	1.70	64	3578	0.933	ug/l #	49
11) Tert butyl alcohol	3.07	59	4448	3.776	ug/l #	71
13) Acrolein	2.27	56	725	1.313	ug/l #	1
15) Acrylonitrile	3.16	53	735	0.252	ug/l #	72
16) Acetone	2.45	43	21962	8.423	ug/l	95
17) Carbon Disulfide	2.57	76	7192	2.635	ug/l	96
18) Methyl Acetate	2.78	43	3161	1.053	ug/l #	69
20) Methylene Chloride	2.86	84	1846	Below Cal	#	87
21) trans-1,2-Dichloroethene	3.17	96	16080	2.948	ug/l	97
25) 2-Butanone	4.71	43	6418	1.730	ug/l #	84
27) cis-1,2-Dichloroethene	4.60	96	1562667	262.310	ug/l	91
31) Cyclohexane	5.58	56	7831	0.989	ug/l #	72
36) 1,1-Dichloropropene	5.67	75	34543	4.675	ug/l #	49
38) Carbon Tetrachloride	5.66	117	47851	6.676	ug/l #	16
39) Methylcyclohexane	7.46	83	12252	1.371	ug/l	91
40) Benzene	6.14	78	32414	1.489	ug/l #	85
44) Trichloroethene	7.21	130	3463	0.528	ug/l	80
49) 1,4-Dioxane	7.73	88	105	7.674	ug/l #	25
51) 4-Methyl-2-Pentanone	8.65	43	4209	0.555	ug/l	92
52) Toluene	8.79	92	619743	44.136	ug/l	98
59) 2-Hexanone	9.51	43	2379	0.403	ug/l	75
64) Tetrachloroethene	9.34	164	3724	0.499	ug/l	91
67) Ethyl Benzene	10.25	91	241506	8.685	ug/l	98
68) m/p-Xylenes	10.36	106	668594	60.488	ug/l	99
69) o-Xylene	10.69	106	415321	39.048	ug/l	100
70) Styrene	10.69	104	20485	1.188	ug/l #	1
73) Isopropylbenzene	11.02	105	27954	1.012	ug/l	99
74) N-amyl acetate	10.91	43	2652	0.248	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	5491	0.652	ug/l #	26
76) 1,2,3-Trichloropropane	11.43	75	7154	0.904	ug/l #	1
78) n-propylbenzene	11.36	91	75205	2.482	ug/l	99

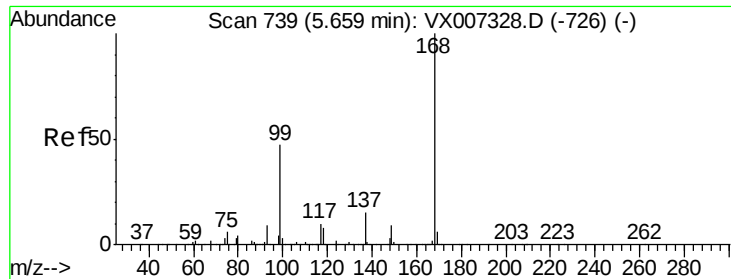
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.43	91	119740	6.512	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.51	105	699058	30.922	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	177855	67.853	ug/l #	9
82) 4-Chlorotoluene	11.51	91	73391	3.450	ug/l #	43
83) tert-Butylbenzene	11.77	119	43272	1.933	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	1052126	45.841	ug/l	98
85) sec-Butylbenzene	11.80	105	1051802	38.826	ug/l #	55
86) p-Isopropyltoluene	12.06	119	80777	3.303	ug/l	98
89) n-Butylbenzene	12.37	91	139663	6.639	ug/l #	1
90) Hexachloroethane	12.61	117	17152	4.686	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.02	75	3735	2.133	ug/l #	1
95) Naphthalene	13.83	128	353329	12.884	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1991	0.211	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

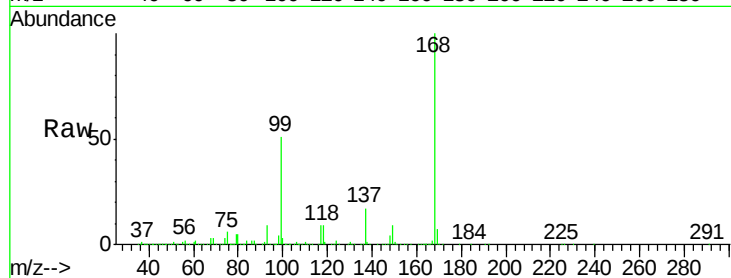
MW-11

Tot Ion:168 Resp: 536250

Ion Ratio Lower Upper

168 100

99 50.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

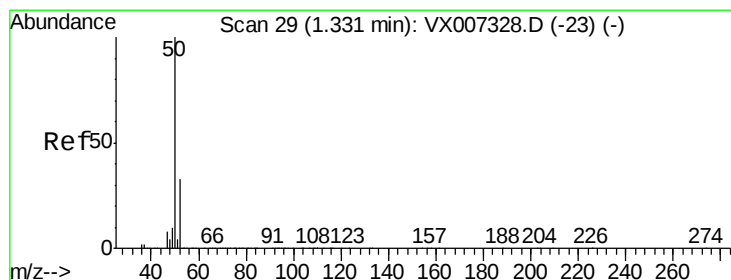
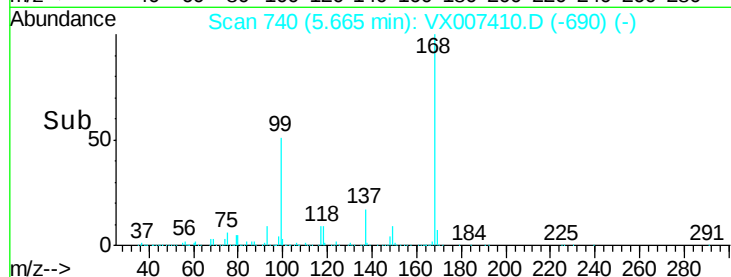
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.271 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007410.D

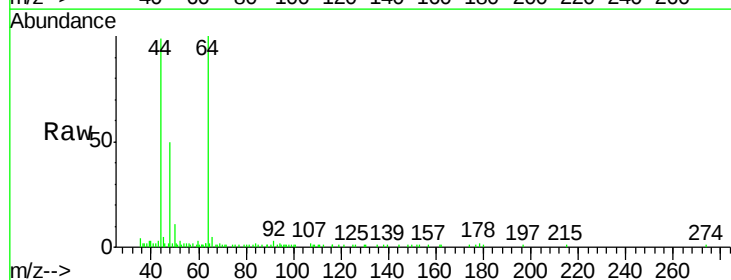
Acq: 06 Feb 2019 19:57

Tgt Ion: 50 Resp: 1634

Ion Ratio Lower Upper

50 100

52 11.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1200

1000

800

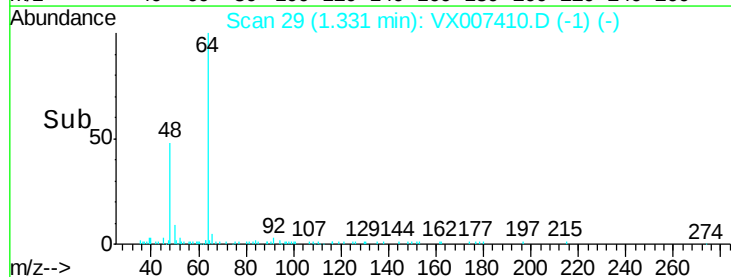
600

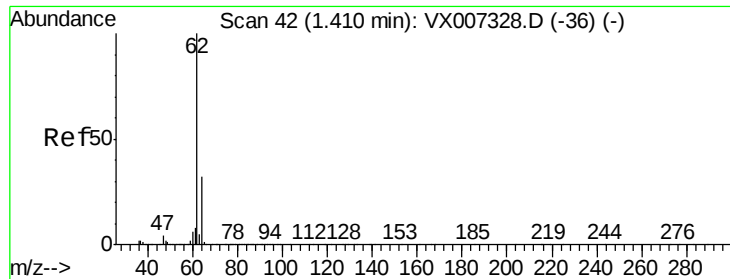
400

200

0

Time--> 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 9.169 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

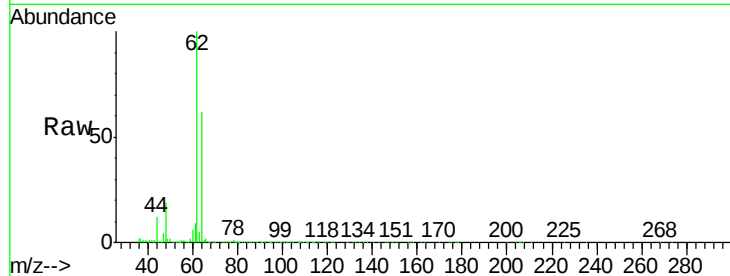
MW-11

Tot Ion: 62 Resp: 54334

Ion Ratio Lower Upper

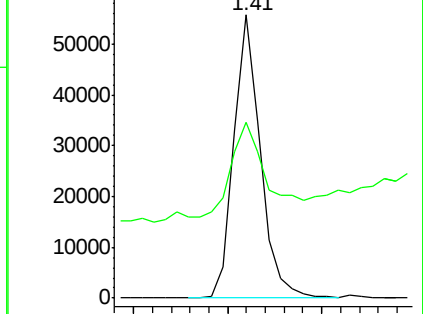
62 100

64 33.3 25.4 38.0

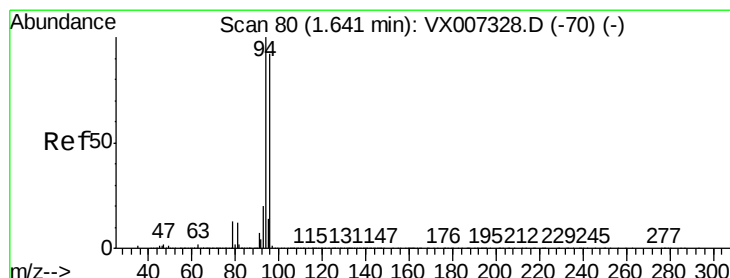
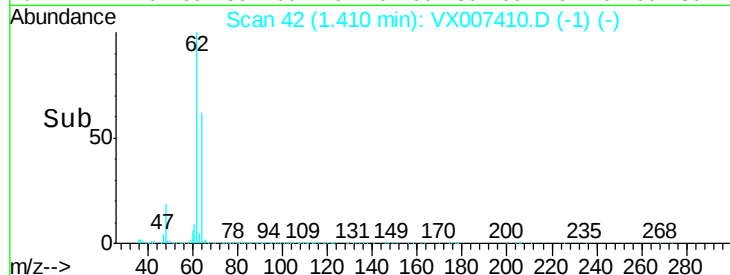


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time--> 1.35 1.40 1.45



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007410.D

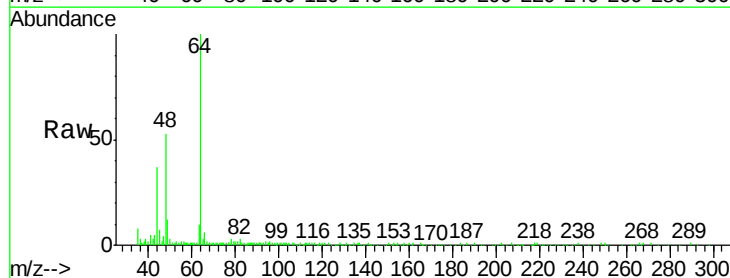
Acq: 06 Feb 2019 19:57

Tgt Ion: 94 Resp: 789

Ion Ratio Lower Upper

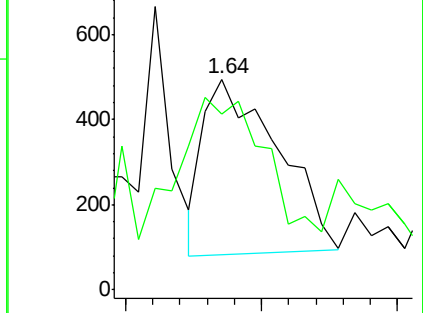
94 100

96 38.3 73.9 110.9#

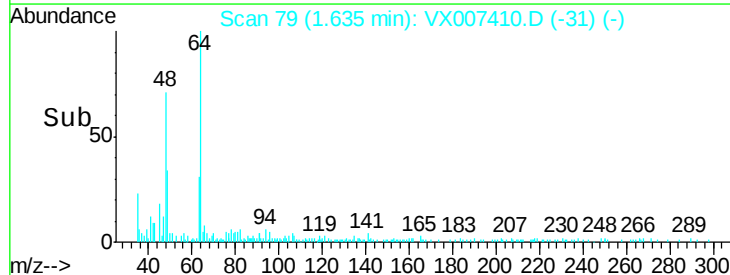


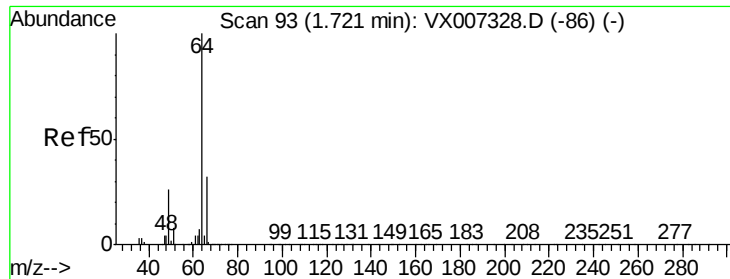
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.933 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

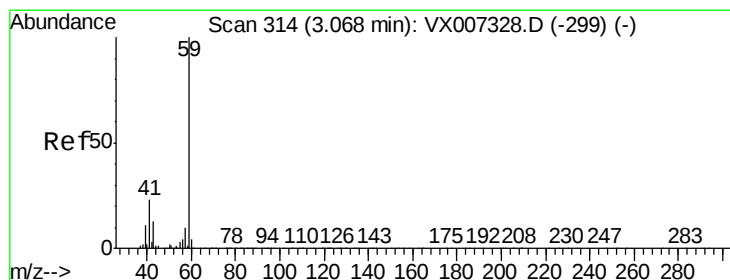
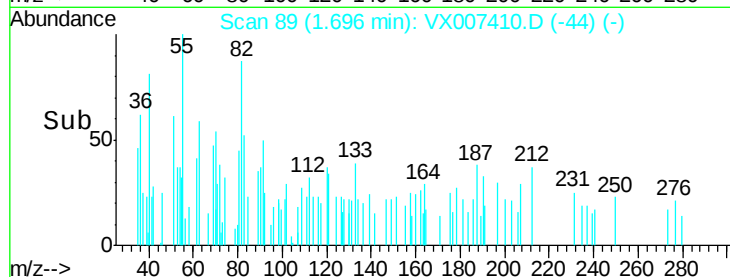
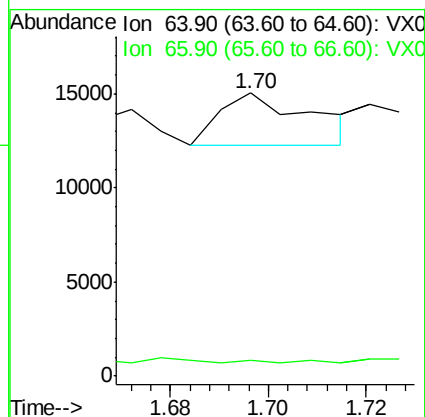
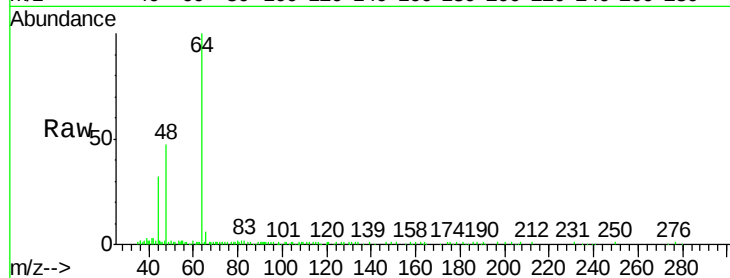
MW-11

Tot Ion: 64 Resp: 3578

Ion Ratio Lower Upper

64 100

66 3.7 25.5 38.3#



#11

Tert butyl alcohol

Concen: 3.776 ug/l

RT: 3.07 min Scan# 314

Delta R.T. 0.00 min

Lab File: VX007410.D

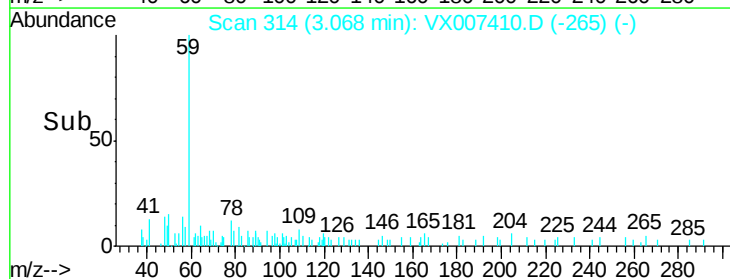
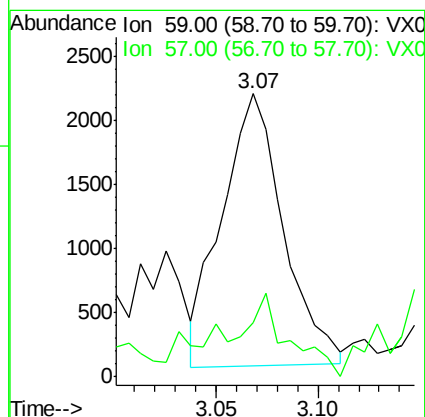
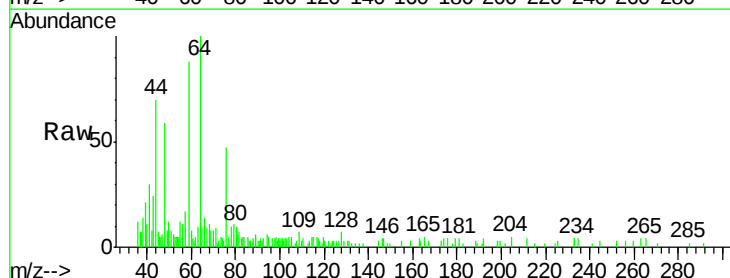
Acq: 06 Feb 2019 19:57

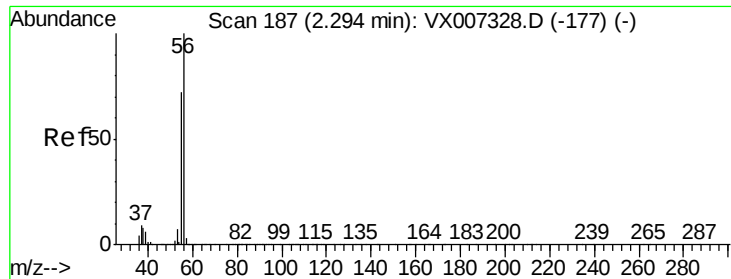
Tgt Ion: 59 Resp: 4448

Ion Ratio Lower Upper

59 100

57 21.0 8.1 12.1#





#13

Acrolein

Concen: 1.313 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

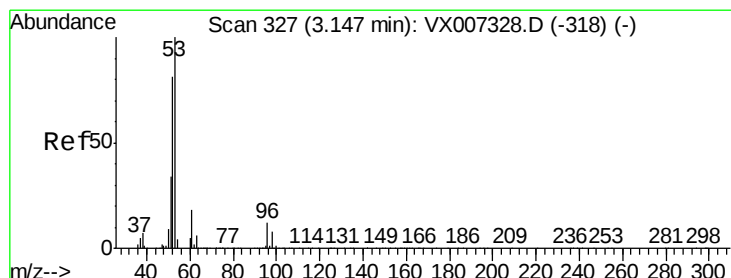
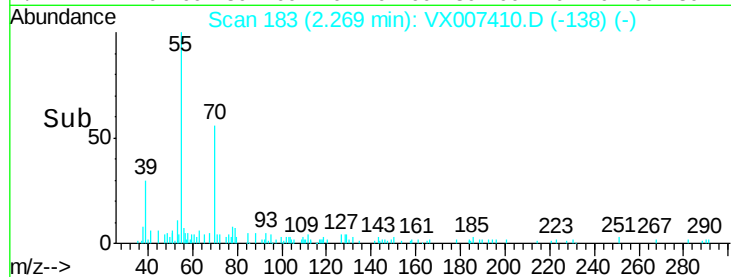
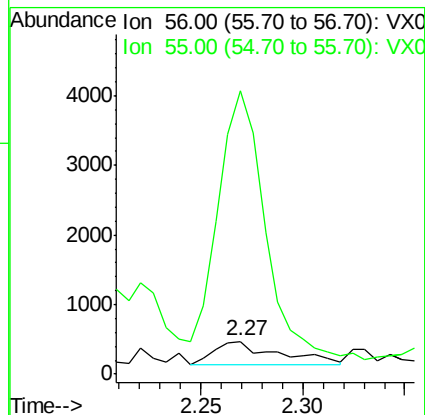
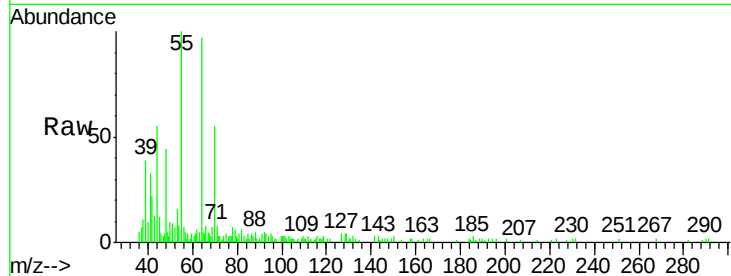
MW-11

Tot Ion: 56 Resp: 725

Ion Ratio Lower Upper

56 100

55 853.5 56.9 85.3#



#15

Acrylonitrile

Concen: 0.252 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

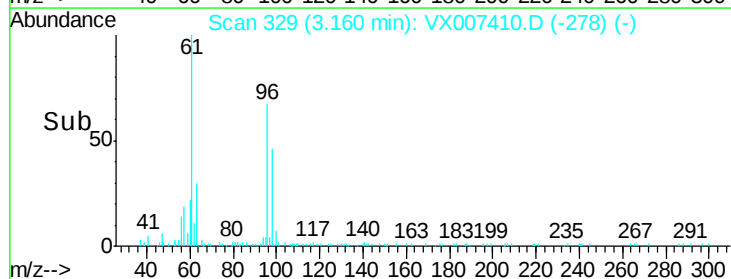
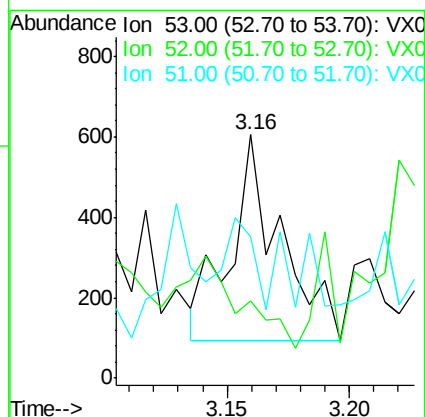
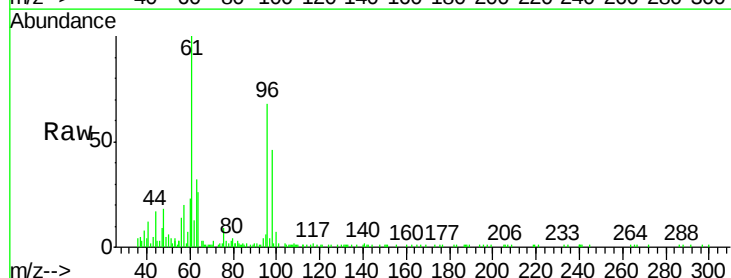
Tgt Ion: 53 Resp: 735

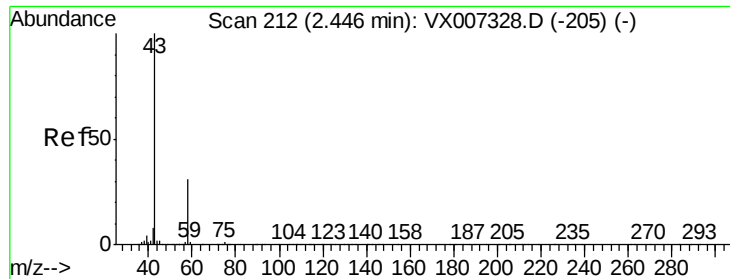
Ion Ratio Lower Upper

53 100

52 53.6 66.4 99.6#

51 26.0 28.4 42.6#





#16

Acetone

Concen: 8.423 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

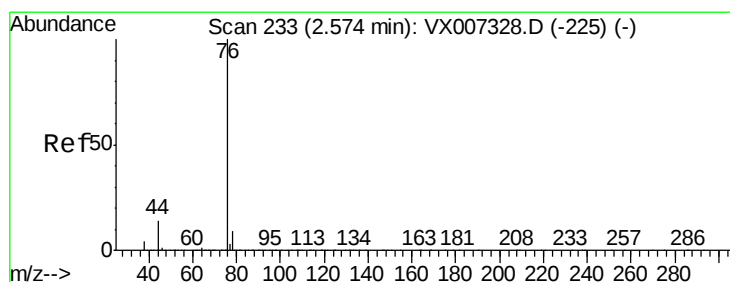
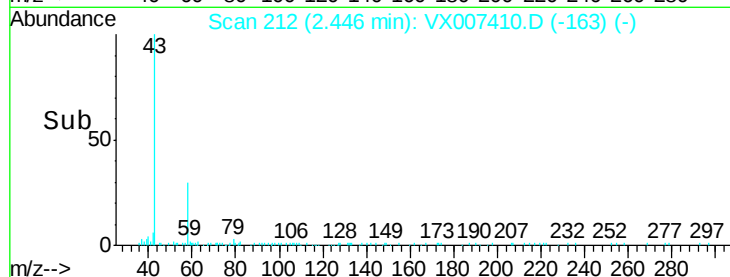
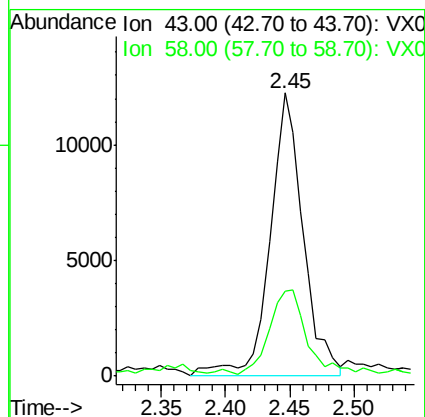
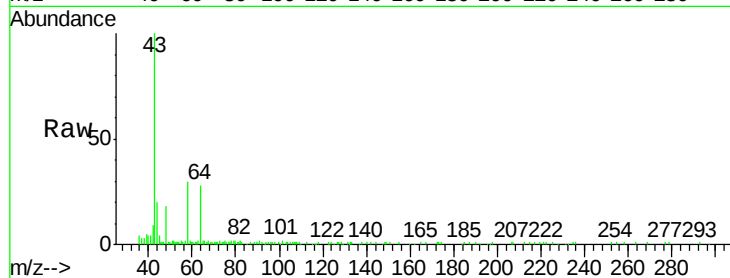
MW-11

Tot Ion: 43 Resp: 21962

Ion Ratio Lower Upper

43 100

58 28.2 24.9 37.3



#17

Carbon Disulfide

Concen: 2.635 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007410.D

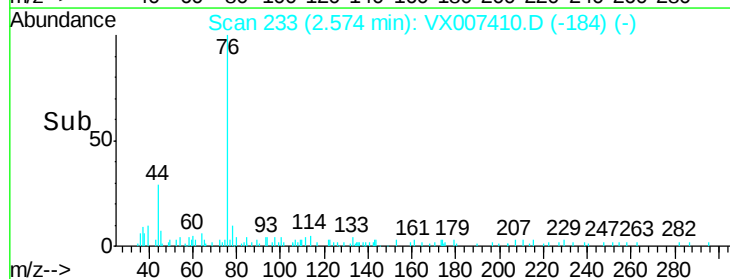
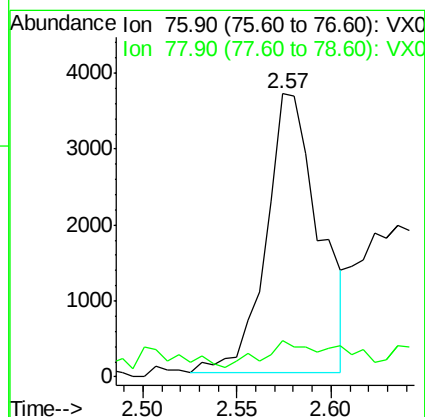
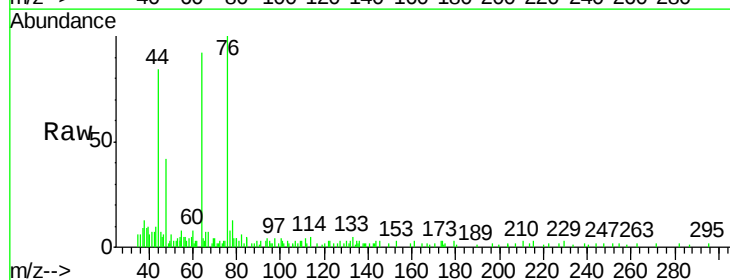
Acq: 06 Feb 2019 19:57

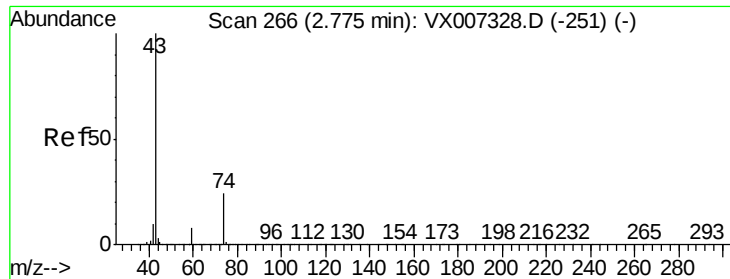
Tgt Ion: 76 Resp: 7192

Ion Ratio Lower Upper

76 100

78 7.5 7.1 10.7

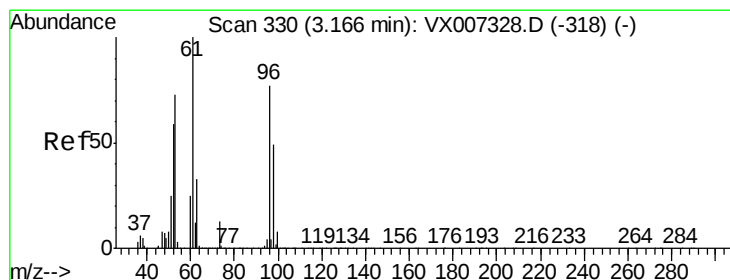
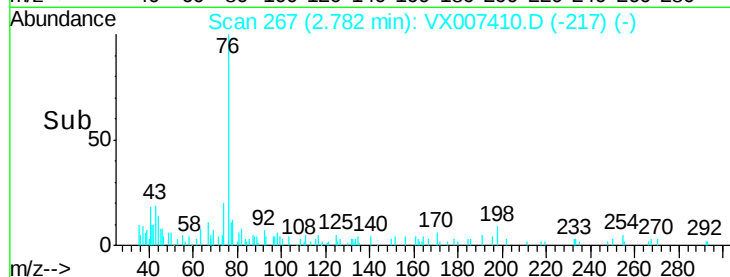
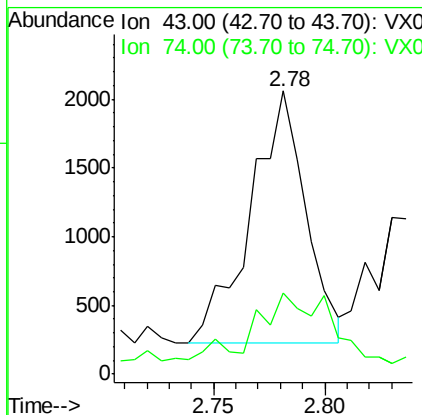
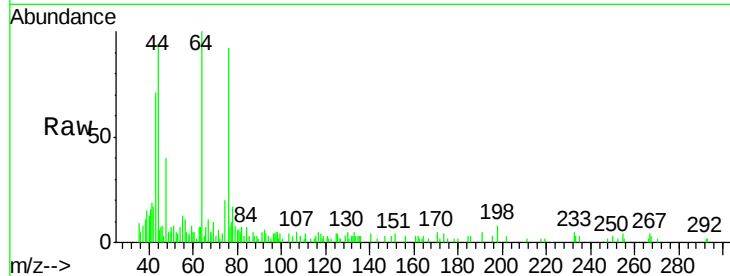




#18
Methyl Acetate
Concen: 1.053 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

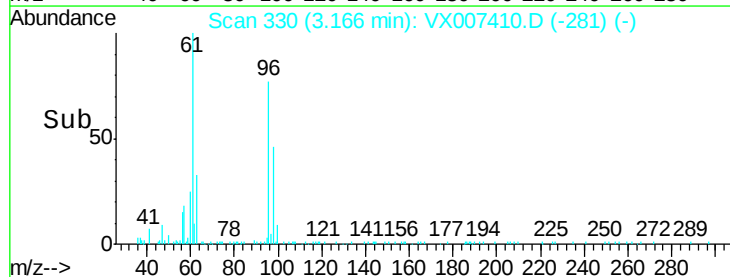
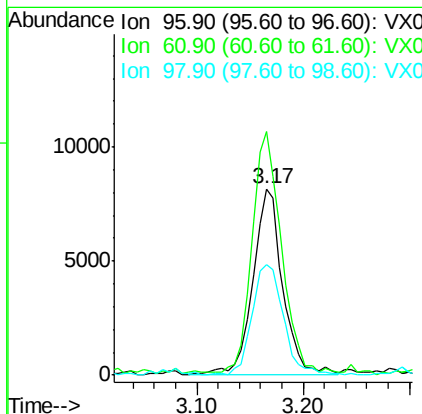
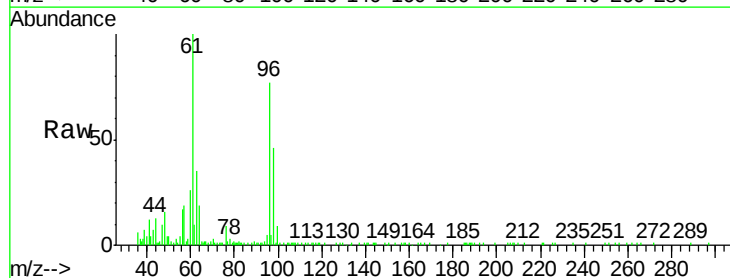
Instrument :
MSVOA_X
ClientSampled :
MW-11

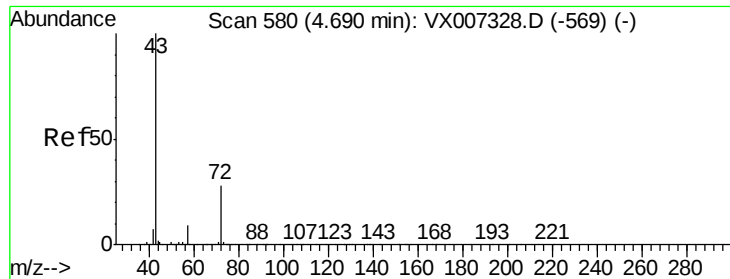
Tot Ion: 43 Resp: 3161
Ion Ratio Lower Upper
43 100
74 39.7 19.4 29.2#



#21
trans-1,2-Dichloroethene
Concen: 2.948 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Tgt Ion: 96 Resp: 16080
Ion Ratio Lower Upper
96 100
61 128.9 104.6 156.8
98 58.2 51.0 76.4





#25

2-Butanone

Concen: 1.730 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.02 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

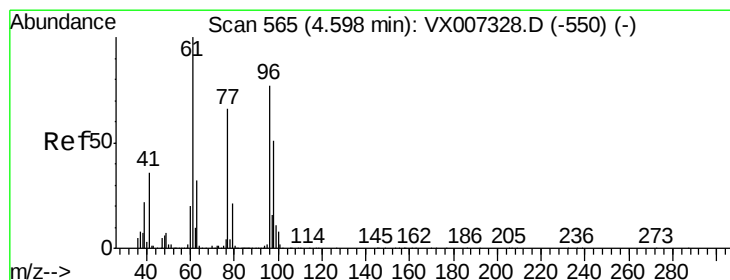
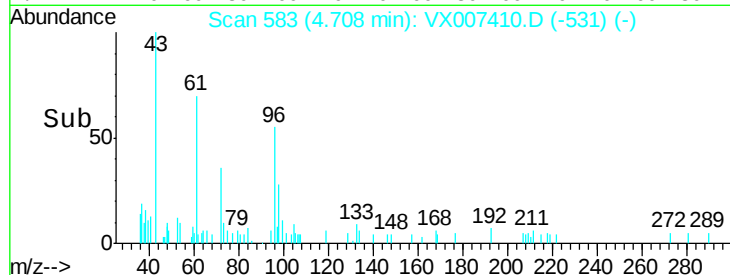
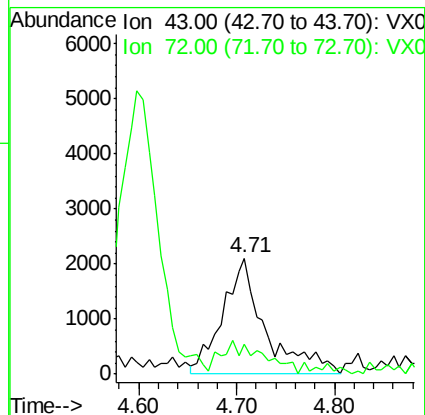
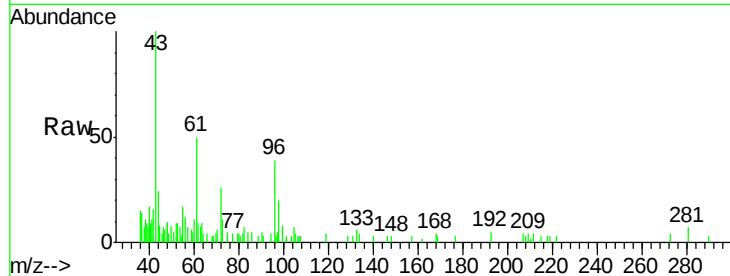
MW-11

Tot Ion: 43 Resp: 6418

Ion Ratio Lower Upper

43 100

72 19.2 22.2 33.2#



#27

cis-1,2-Dichloroethene

Concen: 262.310 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

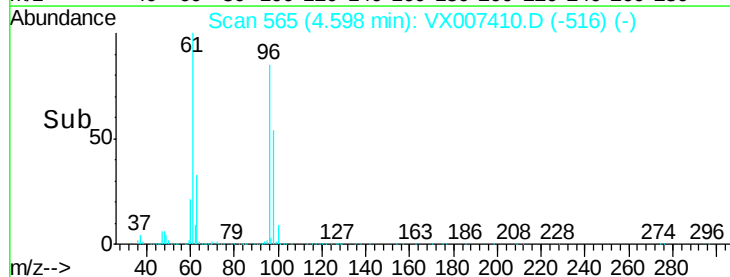
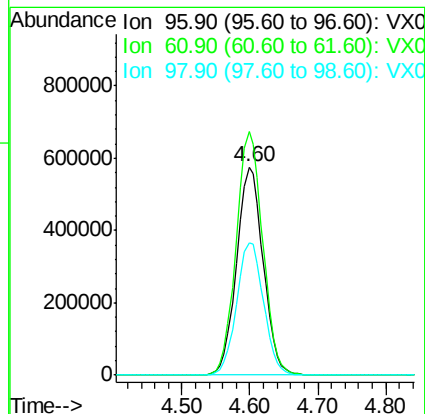
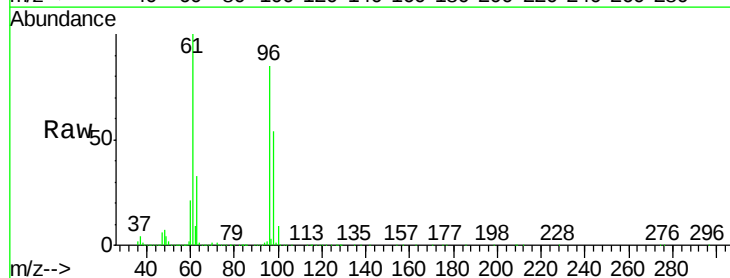
Tgt Ion: 96 Resp: 1562667

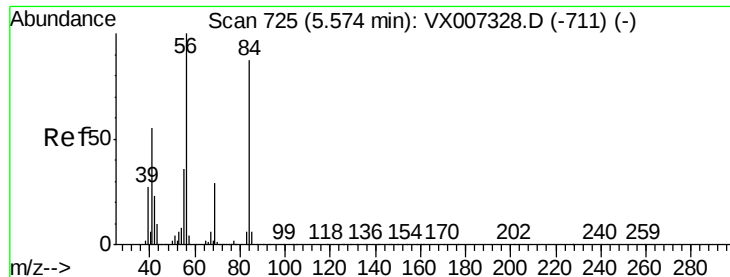
Ion Ratio Lower Upper

96 100

61 117.0 0.0 265.6

98 64.6 0.0 131.6

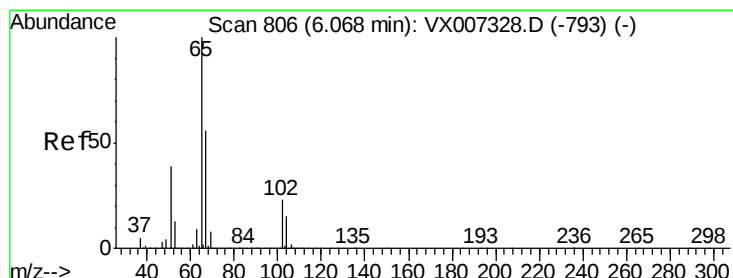
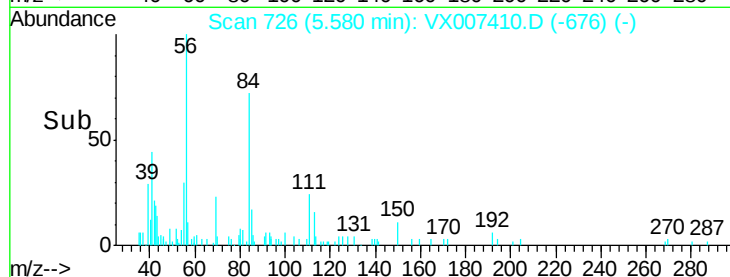
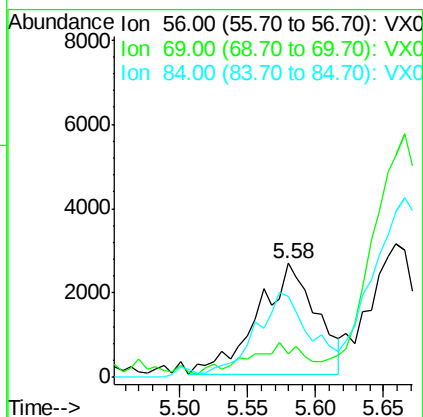
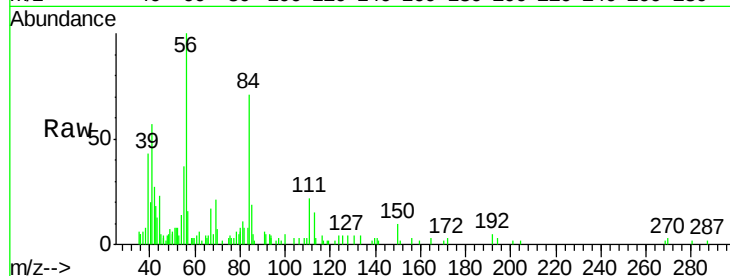




#31
Cyclohexane
Concen: 0.989 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

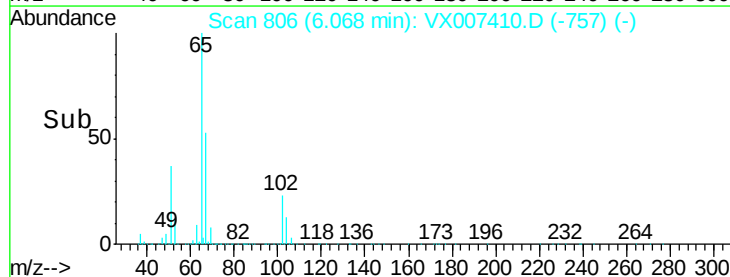
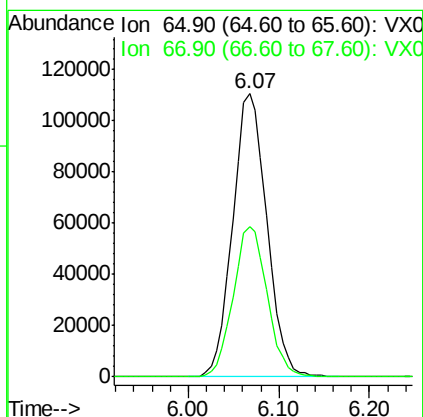
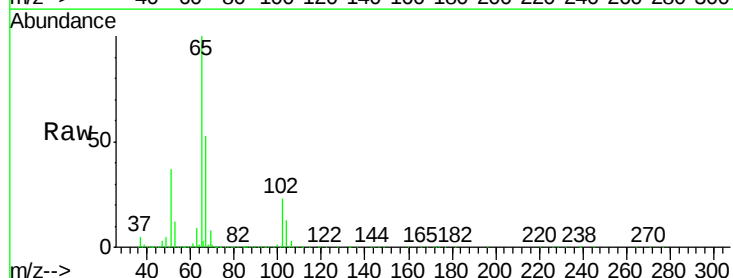
Instrument :
MSVOA_X
ClientSampleId :
MW-11

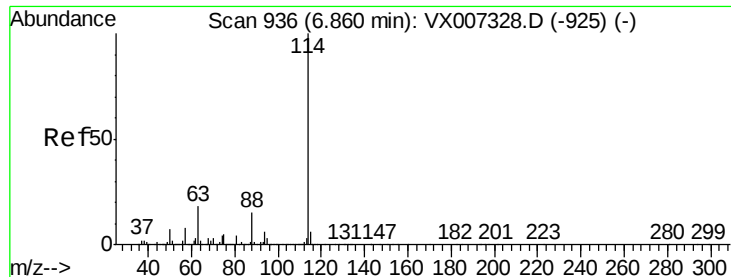
Tot Ion: 56 Resp: 7831
Ion Ratio Lower Upper
56 100
69 12.1 23.0 34.6#
84 62.6 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 50.782 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Tgt Ion: 65 Resp: 289043
Ion Ratio Lower Upper
65 100
67 52.7 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-11

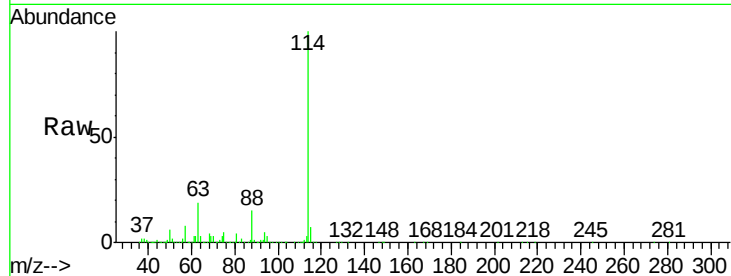
Tot Ion:114 Resp: 823446

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

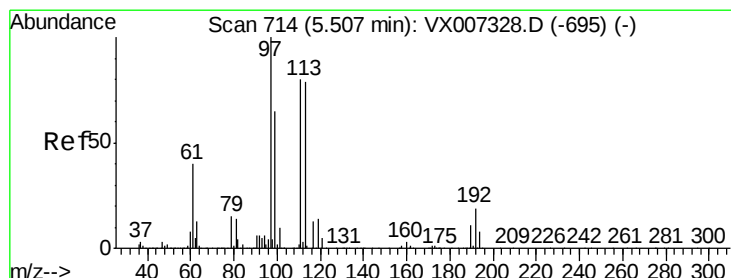
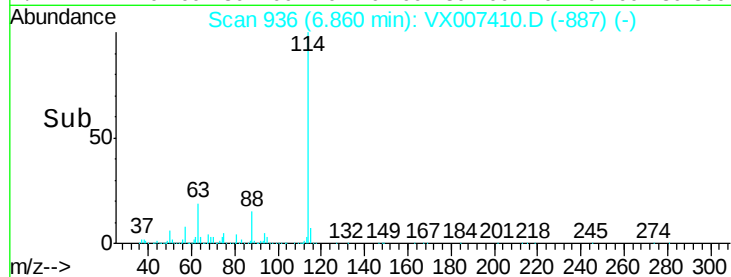
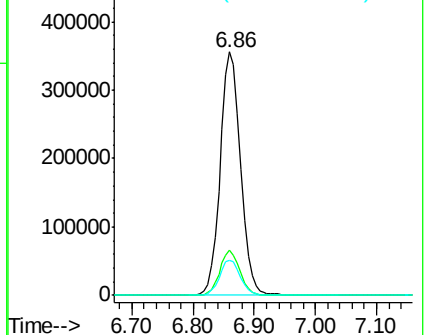
88 14.6 0.0 29.6



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: 48.549 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

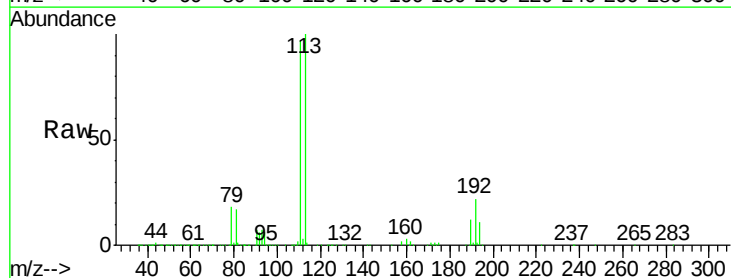
Tgt Ion:113 Resp: 260120

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

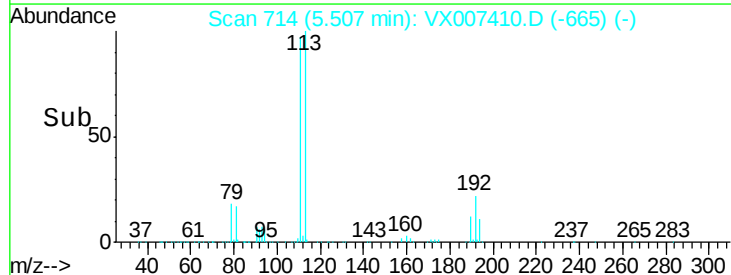
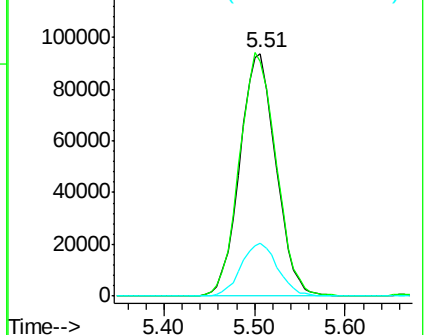
192 22.2 18.5 27.7

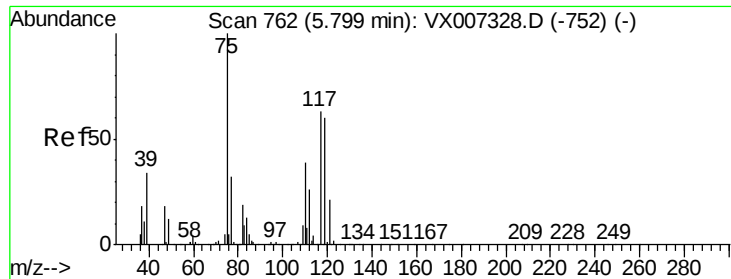


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

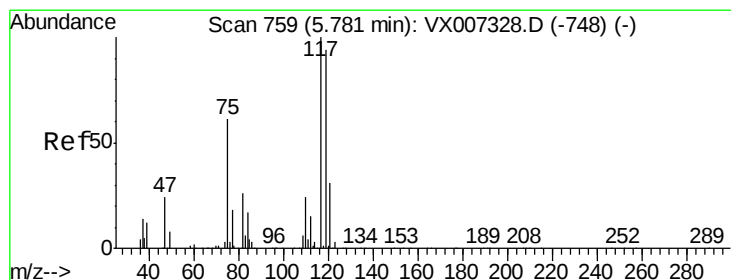
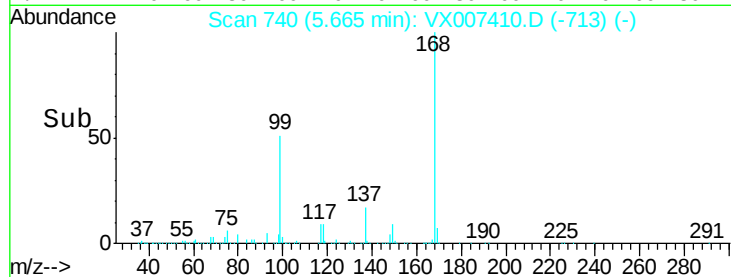
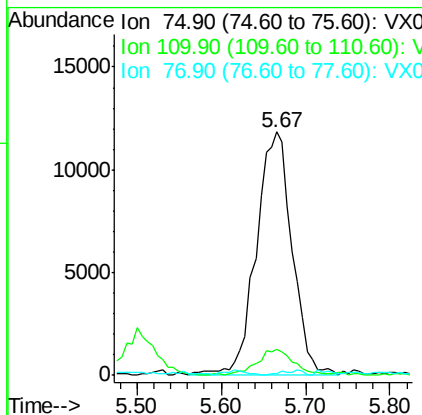
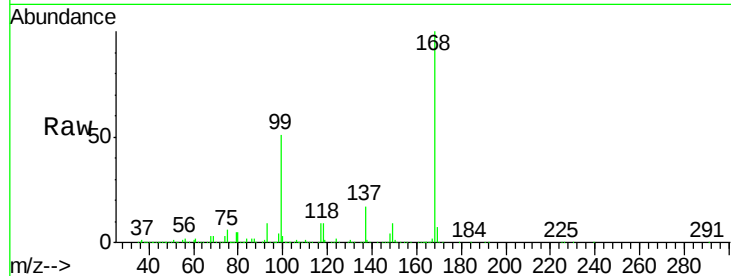




#36
 1,1-Dichloropropene
 Concen: 4.675 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

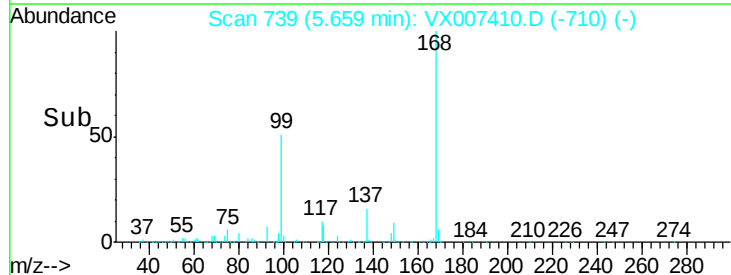
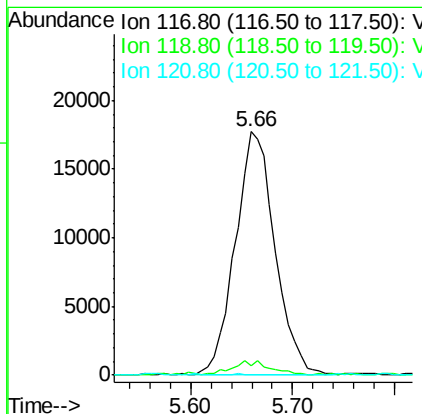
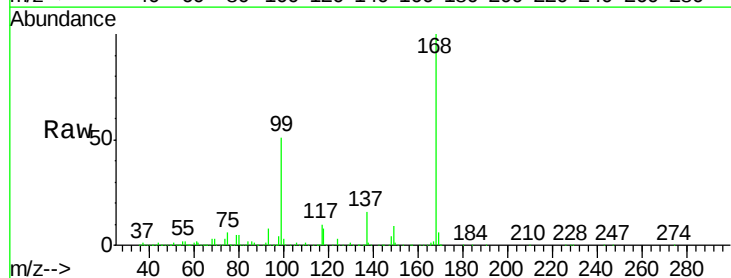
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

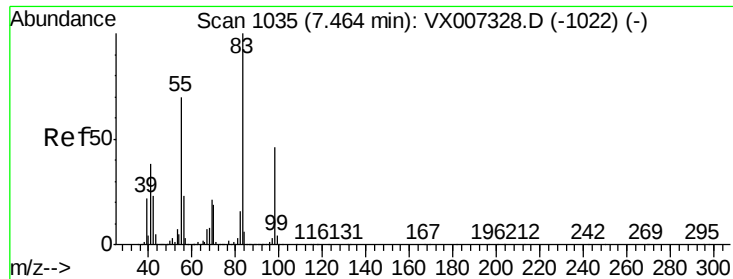
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	20.0	59.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.676 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.3	112.9#
121	0.0	25.0	37.4#

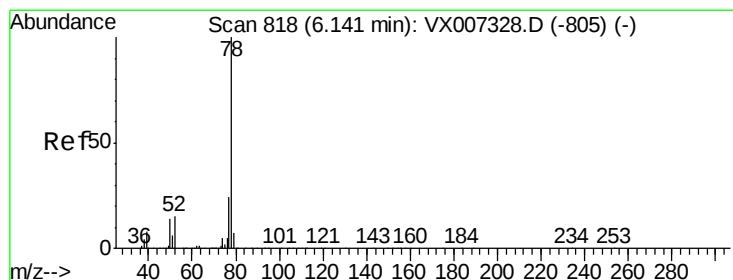
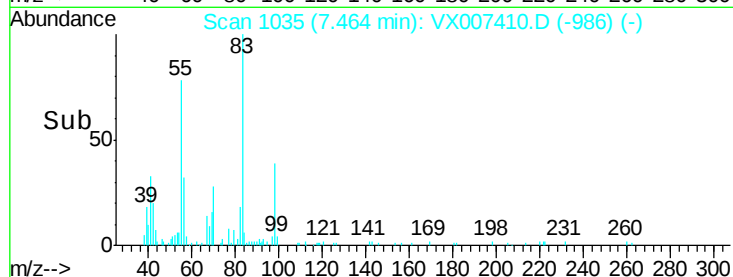
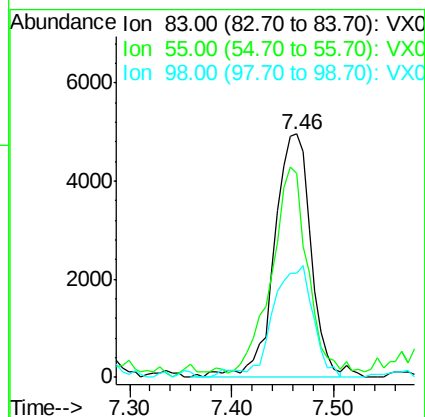
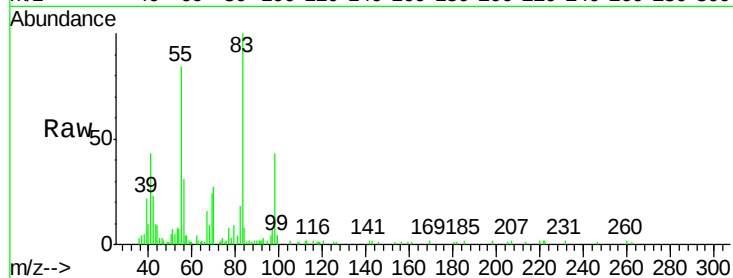




#39
Methvlcvclohexane
Concen: 1.371 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

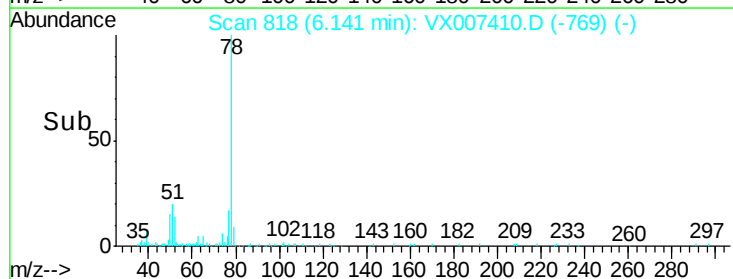
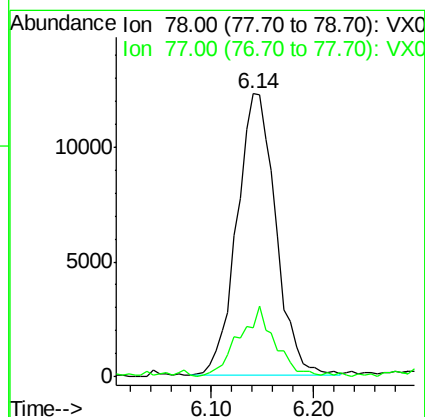
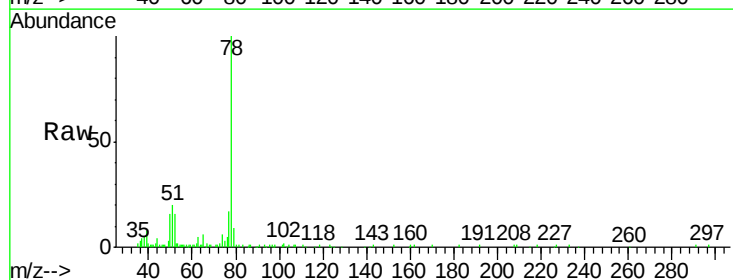
Instrument :
MSVOA_X
ClientSampleId :
MW-11

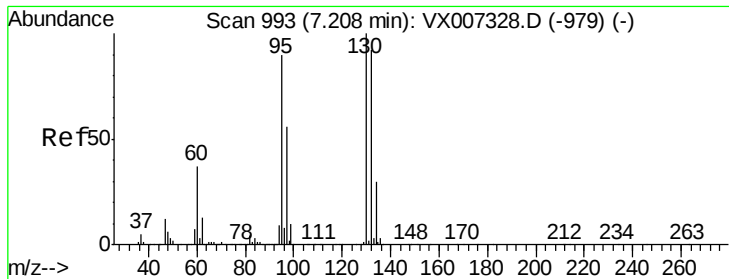
Tot Ion: 83 Resp: 12252
Ion Ratio Lower Upper
83 100
55 80.1 56.2 84.2
98 43.0 36.8 55.2



#40
Benzene
Concen: 1.489 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Tgt Ion: 78 Resp: 32414
Ion Ratio Lower Upper
78 100
77 16.7 19.3 28.9#





#44

Trichloroethene

Concen: 0.528 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

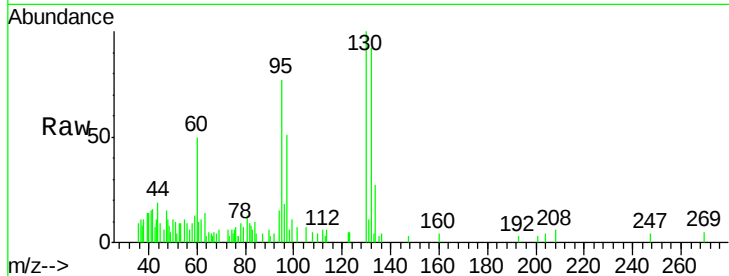
MW-11

Tot Ion:130 Resp: 3463

Ion Ratio Lower Upper

130 100

95 70.9 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

1500

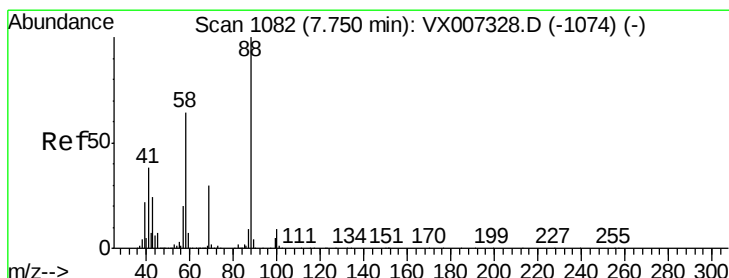
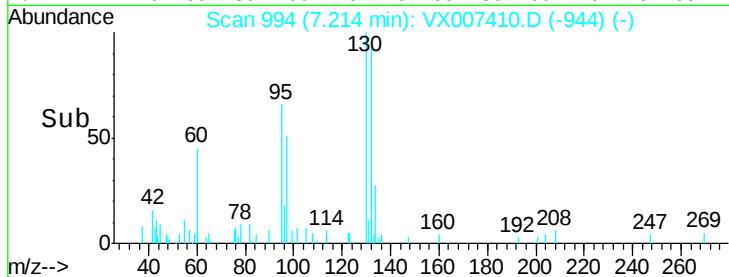
1000

500

0

7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 7.674 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

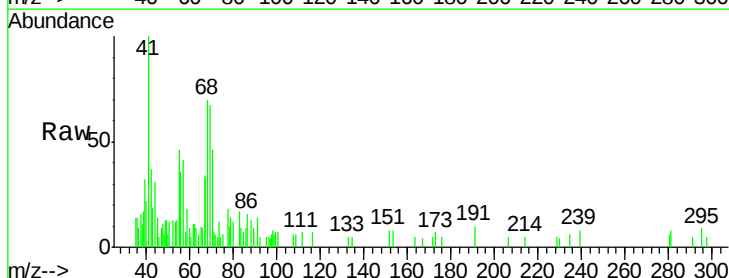
Tgt Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

58 0.0 53.0 79.4#



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

400

300

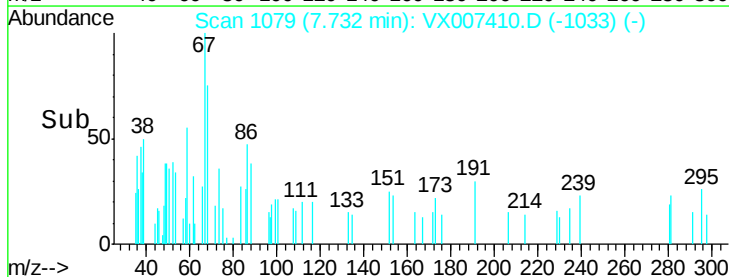
200

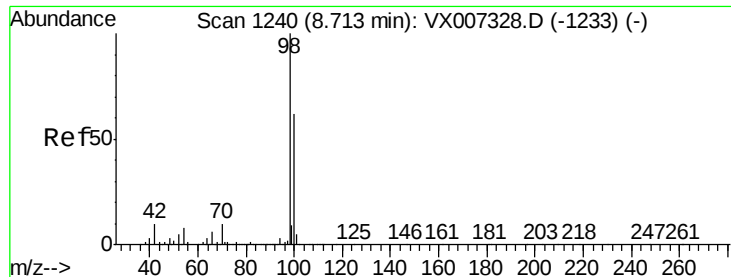
100

0

7.71 7.72 7.73 7.74 7.75

Time-->





#50

Toluene-d8

Concen: 50.195 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

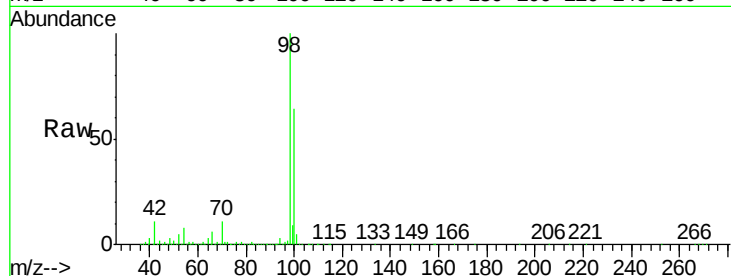
MW-11

Tot Ion: 98 Resp: 997805

Ion Ratio Lower Upper

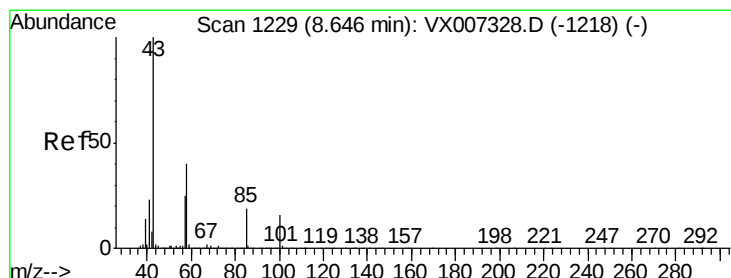
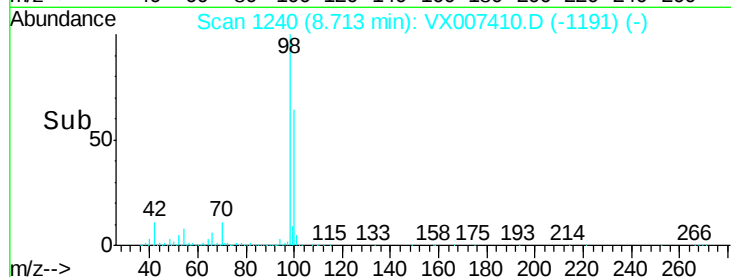
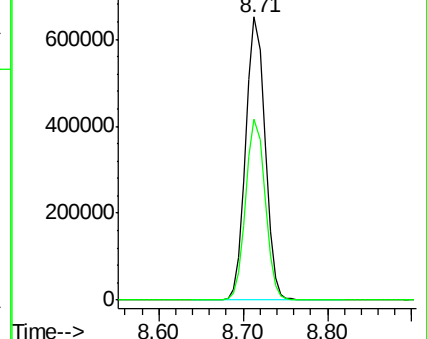
98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.555 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX007410.D

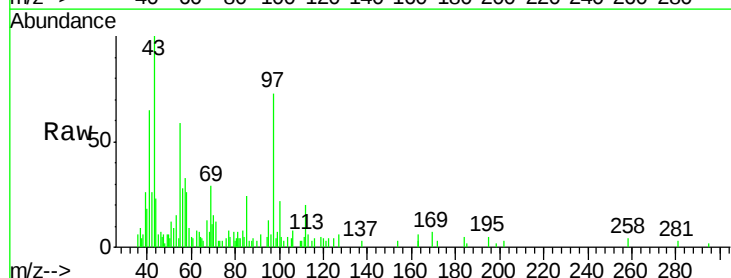
Acq: 06 Feb 2019 19:57

Tgt Ion: 43 Resp: 4209

Ion Ratio Lower Upper

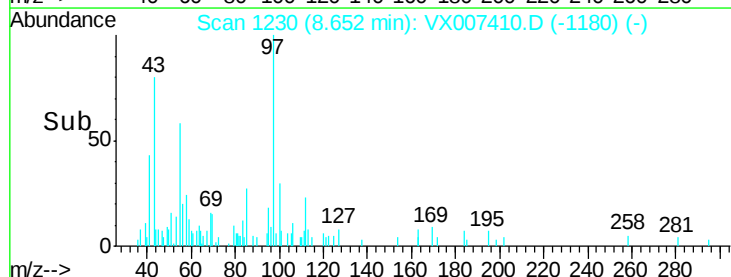
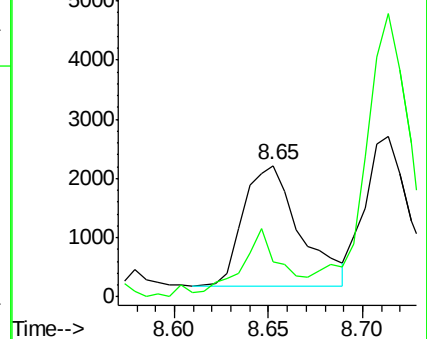
43 100

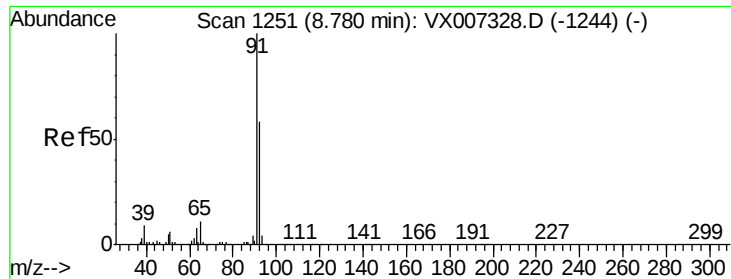
58 44.1 31.2 46.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 44.136 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

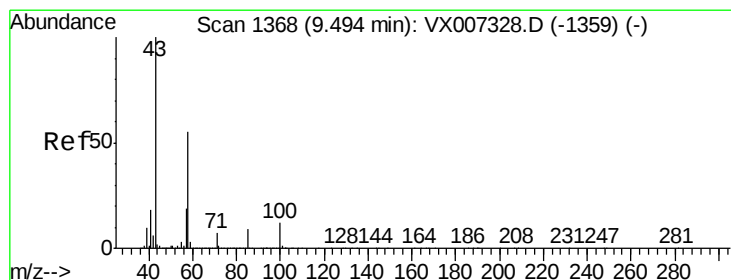
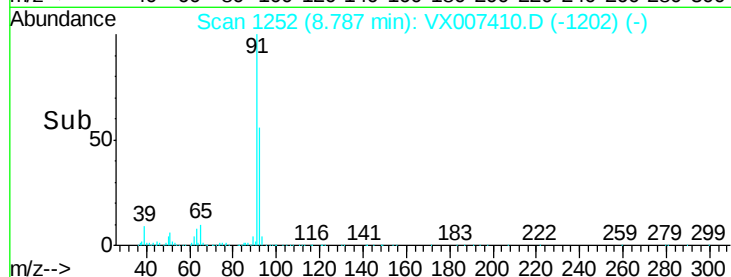
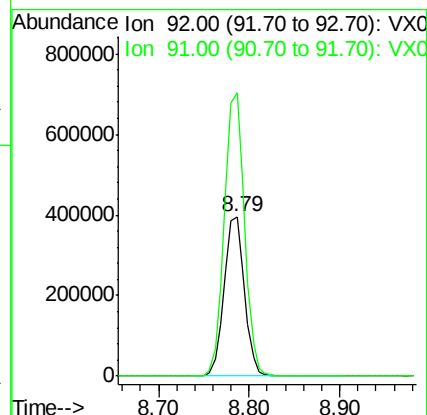
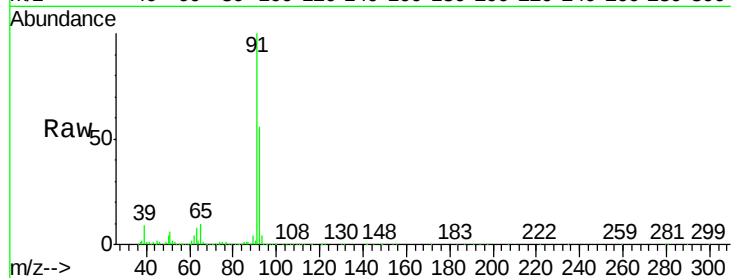
MW-11

Tot Ion: 92 Resp: 619743

Ion Ratio Lower Upper

92 100

91 177.1 139.1 208.7



#59

2-Hexanone

Concen: 0.403 ug/l

RT: 9.51 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VX007410.D

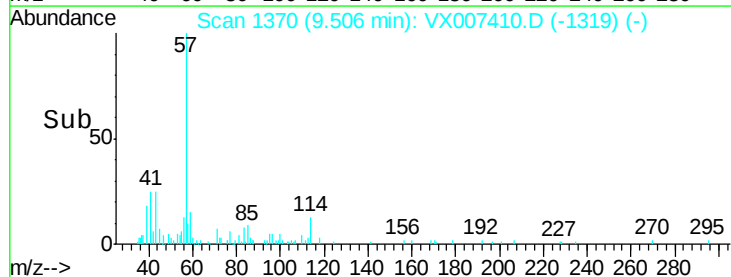
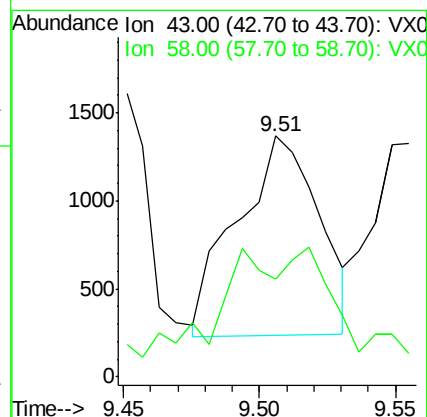
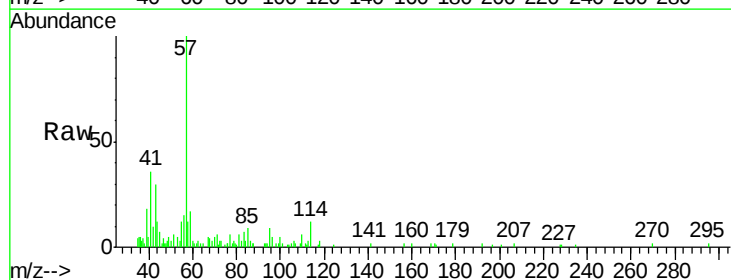
Acq: 06 Feb 2019 19:57

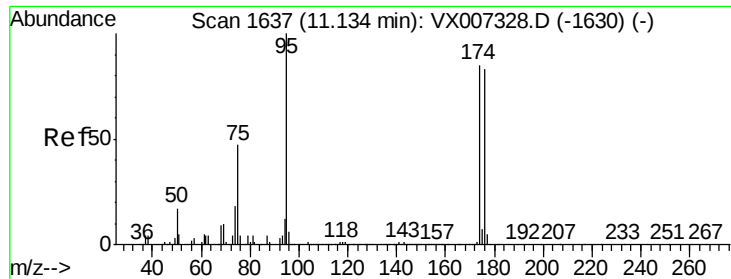
Tgt Ion: 43 Resp: 2379

Ion Ratio Lower Upper

43 100

58 36.4 27.1 81.3

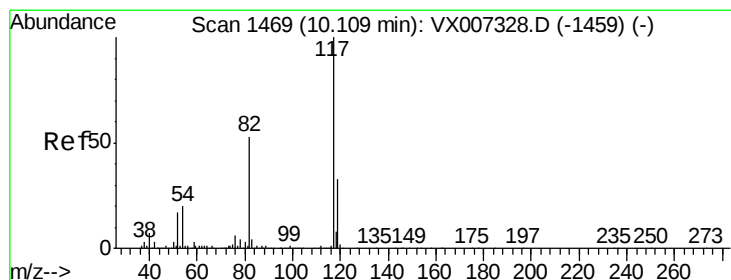
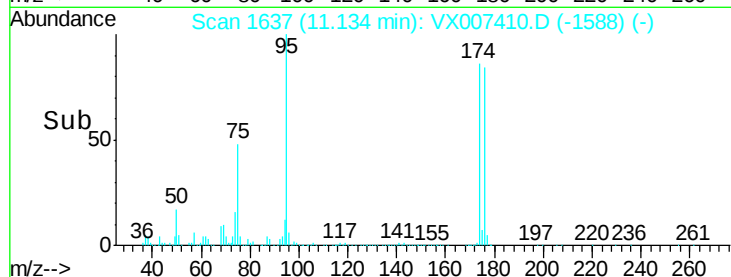
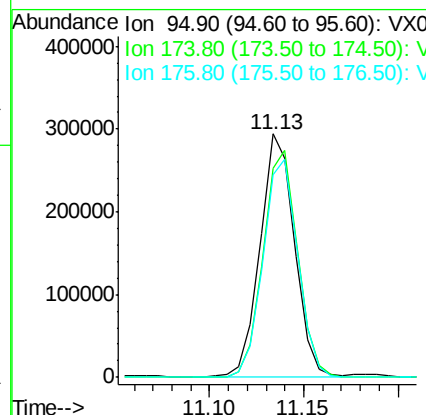
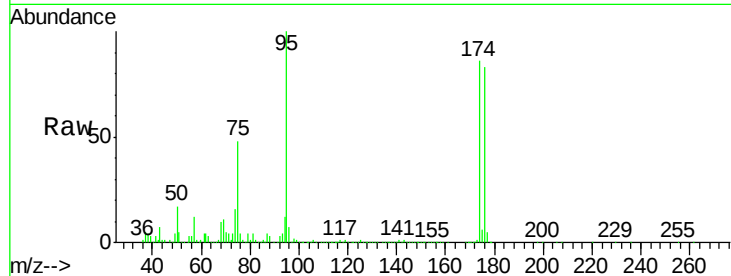




#62
4-Bromofluorobenzene
Concen: 51.260 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

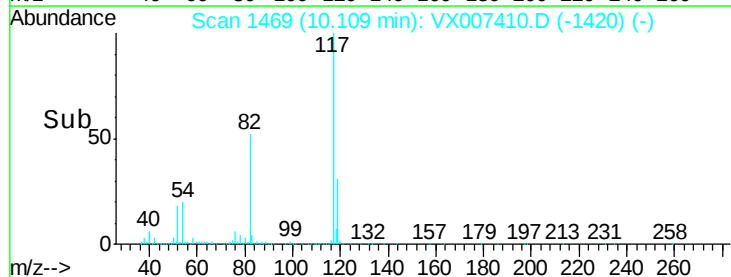
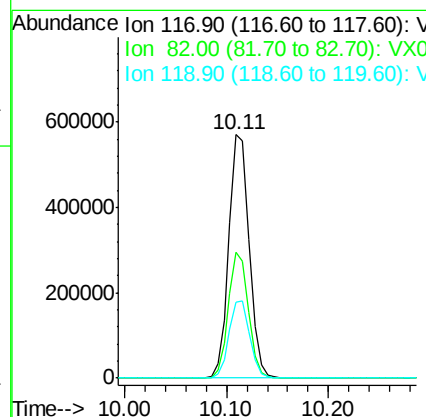
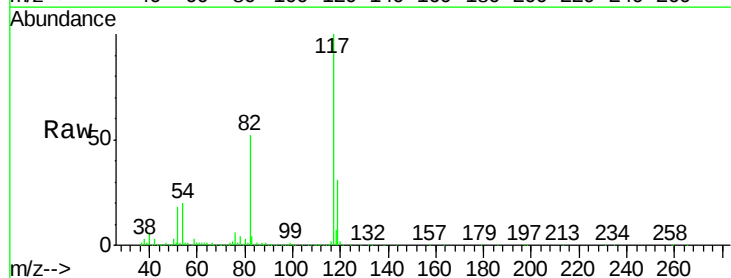
Instrument :
MSVOA_X
ClientSampleId :
MW-11

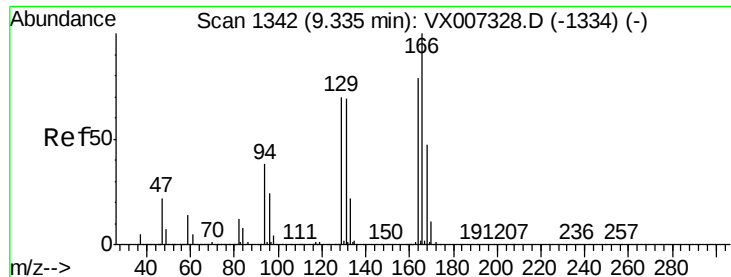
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	189.2
176	91.0	0.0	186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.1	63.1
119	31.4	26.5	39.7





#64

Tetrachloroethene

Concen: 0.499 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion:164 Resp: 3724

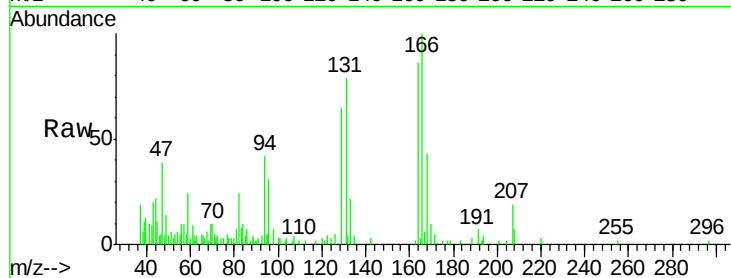
Ion Ratio Lower Upper

164 100

166 116.3 101.0 151.4

129 75.8 70.5 105.7

131 91.4 69.8 104.6

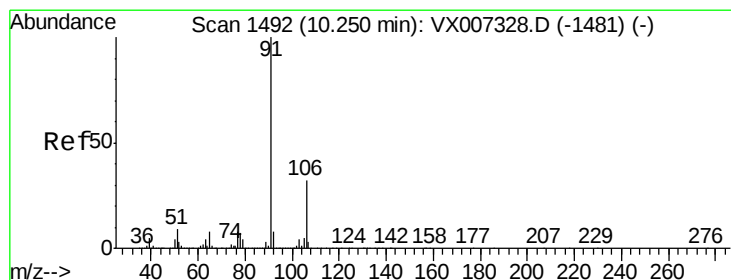
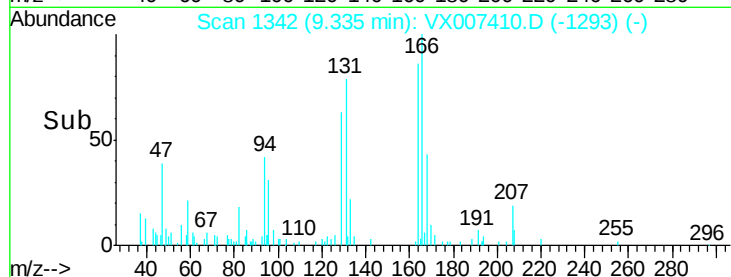
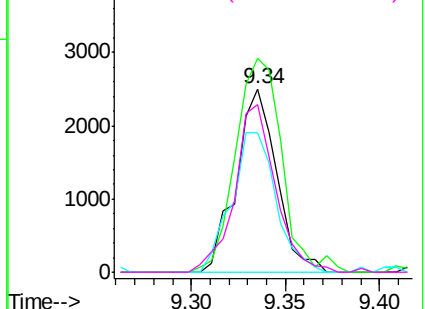


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 8.685 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007410.D

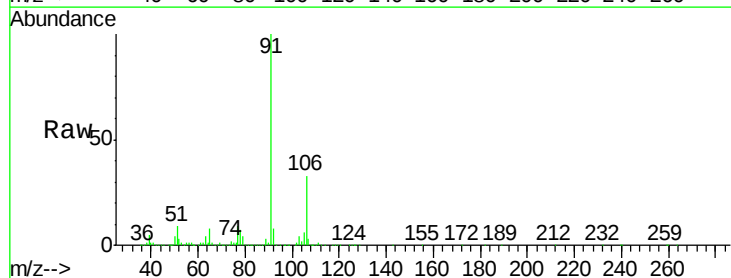
Acq: 06 Feb 2019 19:57

Tgt Ion: 91 Resp: 241506

Ion Ratio Lower Upper

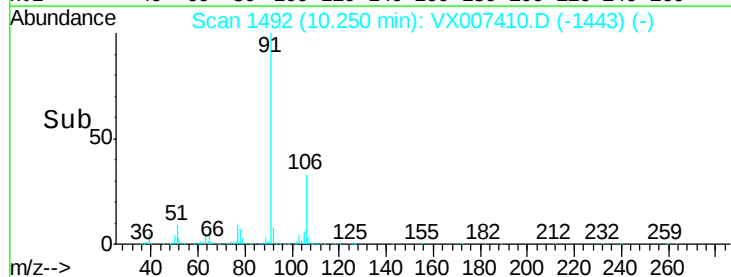
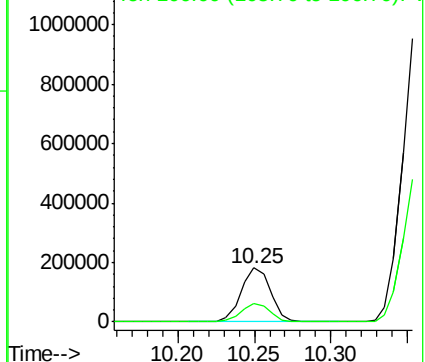
91 100

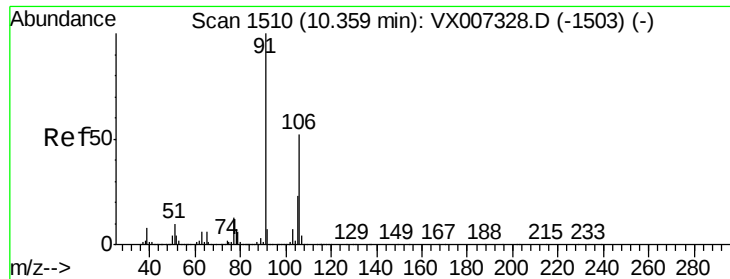
106 33.0 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 60.488 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

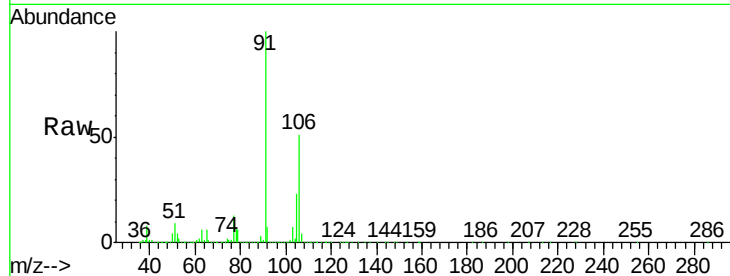
MW-11

Tot Ion:106 Resp: 668594

Ion Ratio Lower Upper

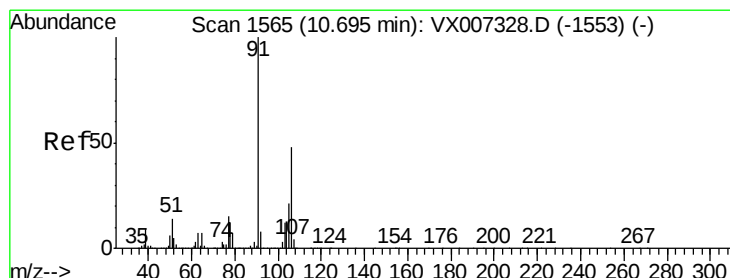
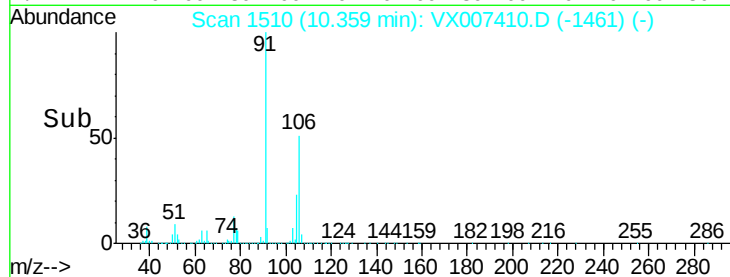
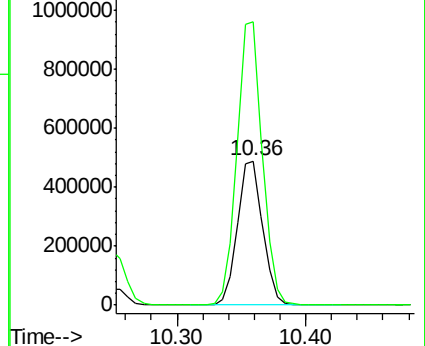
106 100

91 197.2 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 39.048 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX007410.D

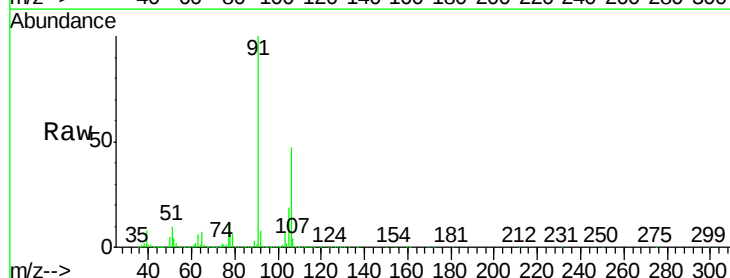
Acq: 06 Feb 2019 19:57

Tgt Ion:106 Resp: 415321

Ion Ratio Lower Upper

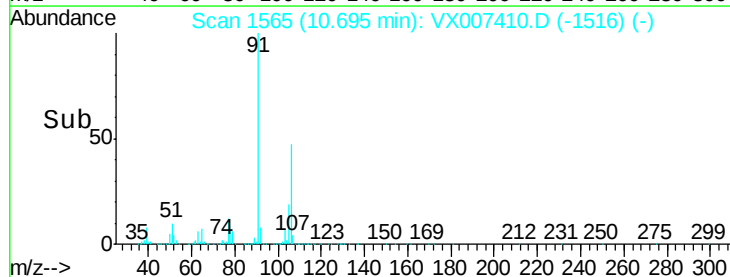
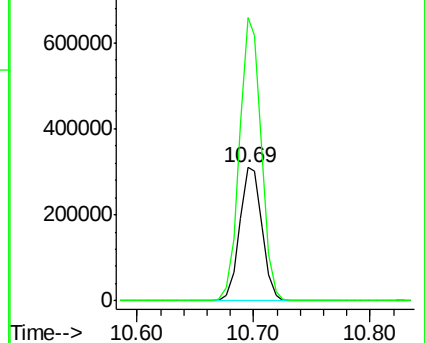
106 100

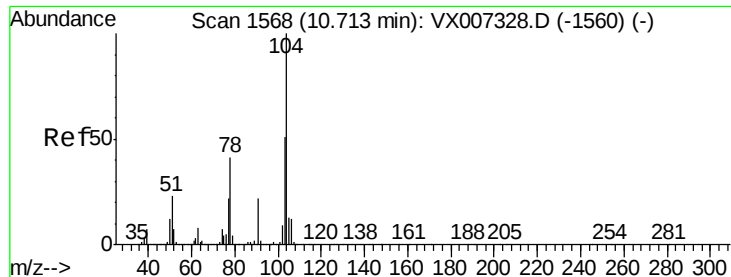
91 206.4 102.9 308.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 1.188 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.02 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-11

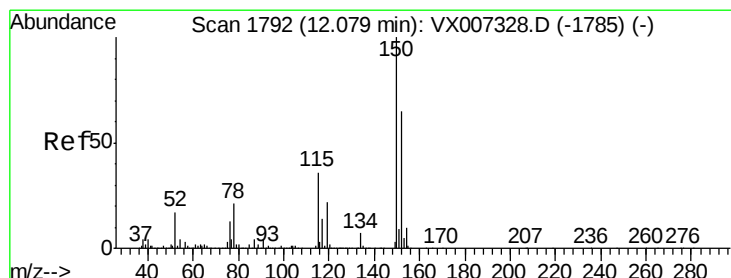
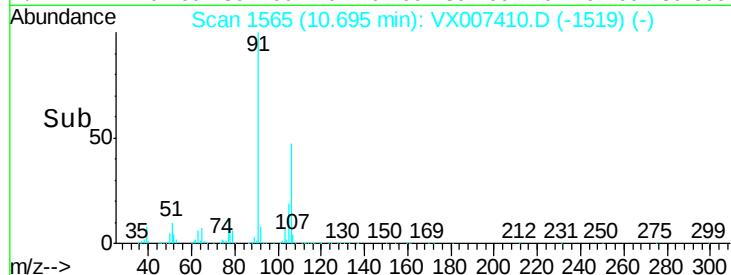
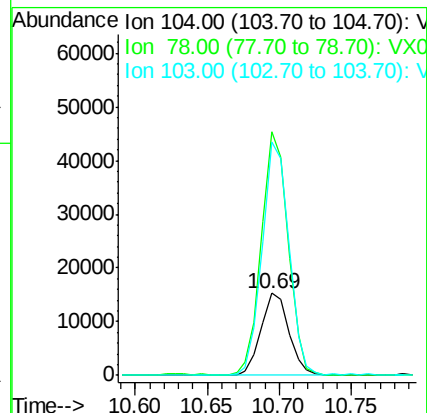
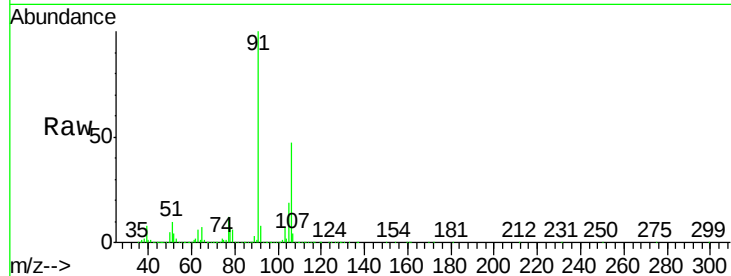
Tot Ion:104 Resp: 20485

Ion Ratio Lower Upper

104 100

78 282.1 38.3 57.5#

103 272.4 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

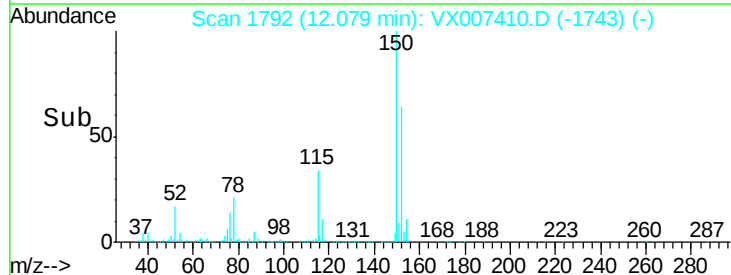
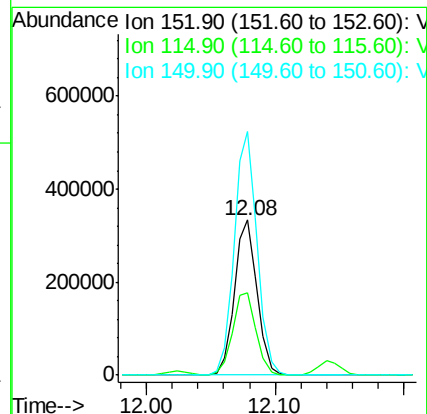
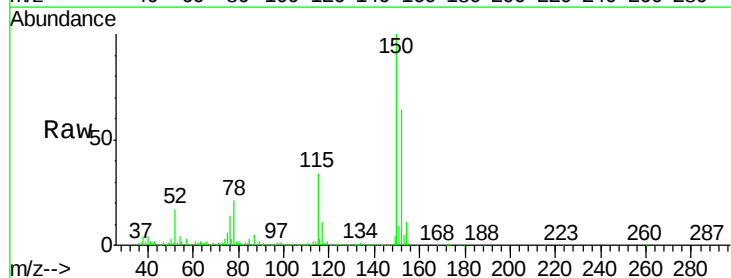
Tgt Ion:152 Resp: 406638

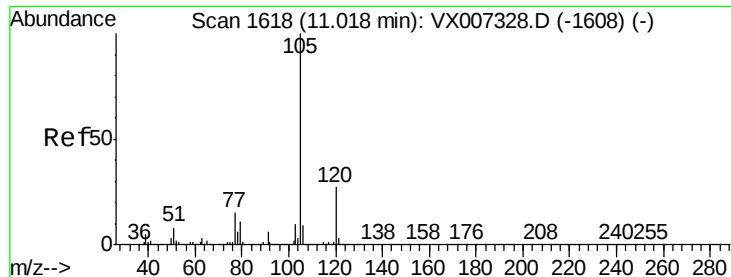
Ion Ratio Lower Upper

152 100

115 56.0 38.0 114.0

150 158.9 0.0 346.4





#73

Isopropylbenzene

Concen: 1.012 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

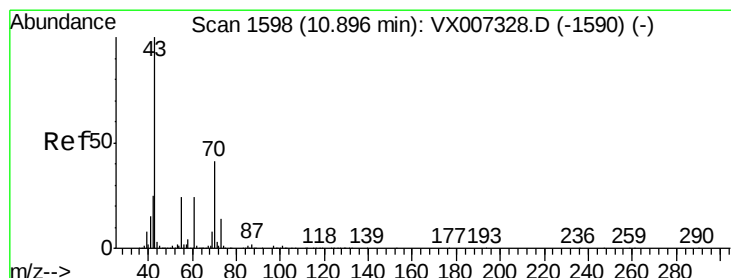
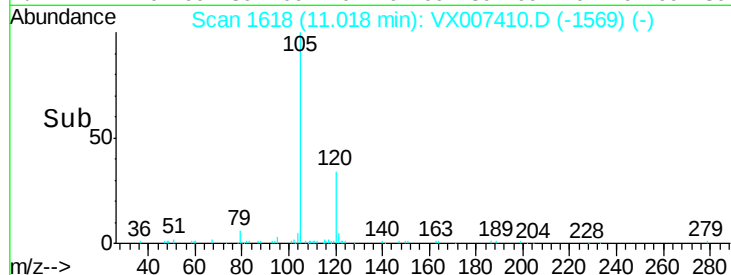
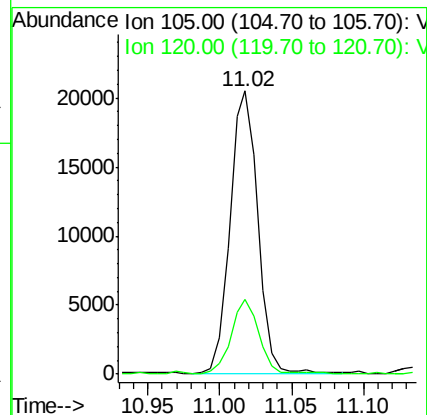
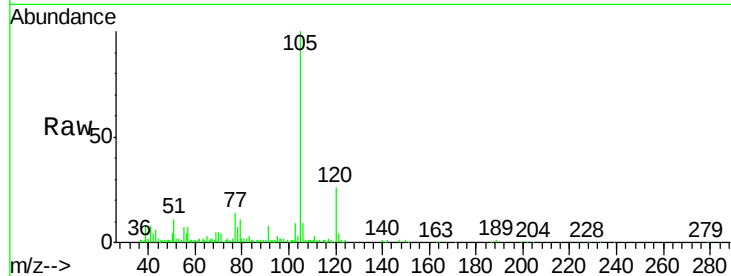
MW-11

Tot Ion:105 Resp: 27954

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7



#74

N-ethyl acetate

Concen: 0.248 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Tgt Ion: 43 Resp: 2652

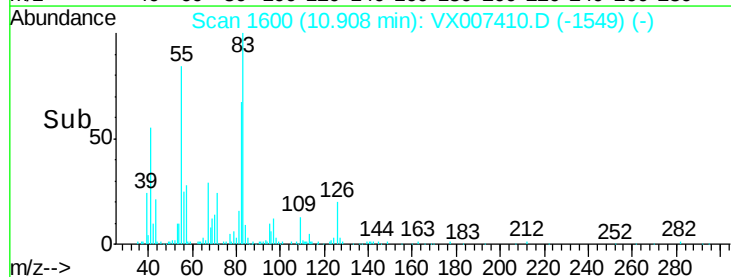
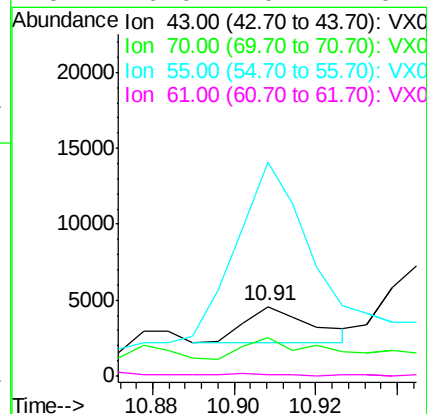
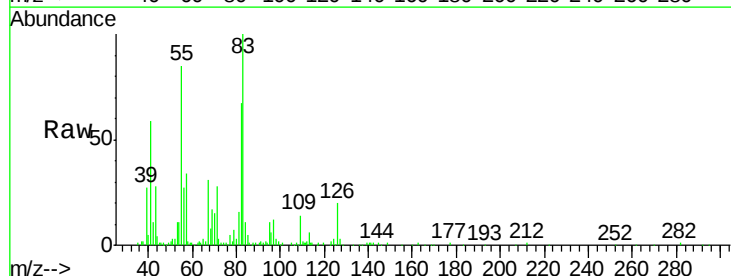
Ion Ratio Lower Upper

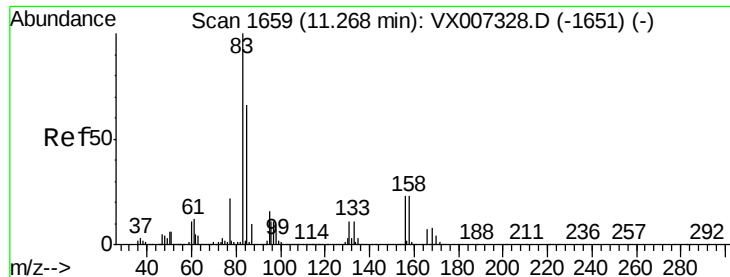
43 100

70 64.5 33.8 50.6#

55 969.2 19.5 29.3#

61 0.0 19.4 29.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.652 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-11

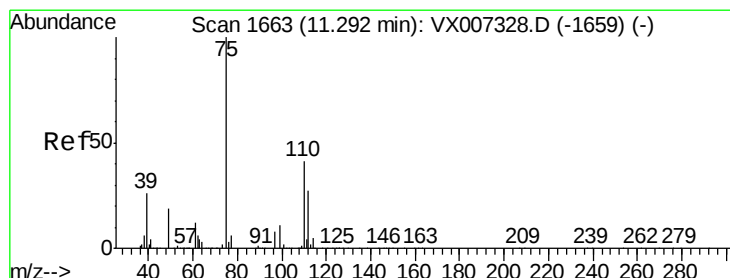
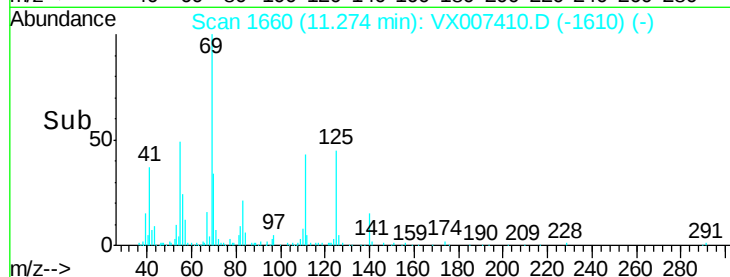
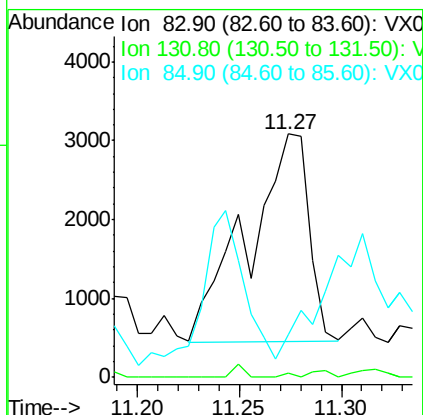
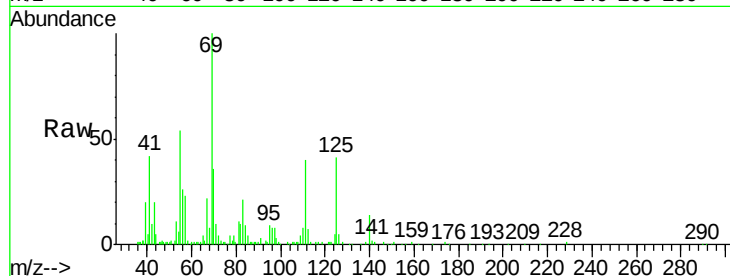
Tot Ion: 83 Resp: 5491

Ion Ratio Lower Upper

83 100

131 1.5 5.7 17.0#

85 0.0 32.8 98.3#



#76

1,2,3-Trichloropropane

Concen: 0.904 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.14 min

Lab File: VX007410.D

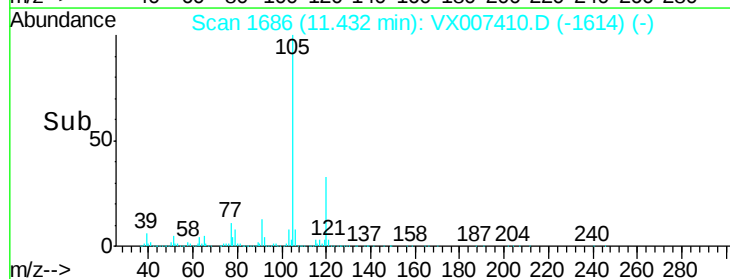
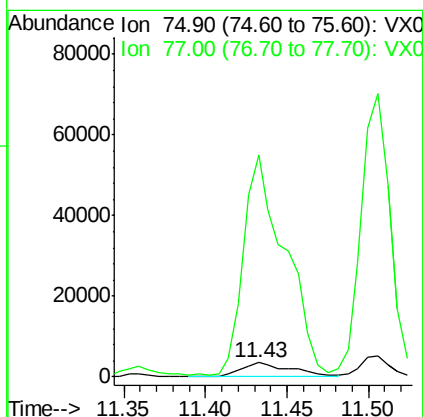
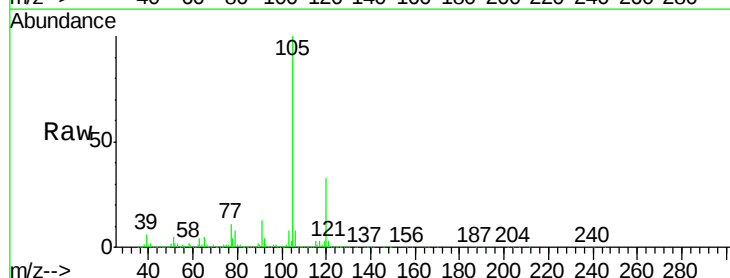
Acq: 06 Feb 2019 19:57

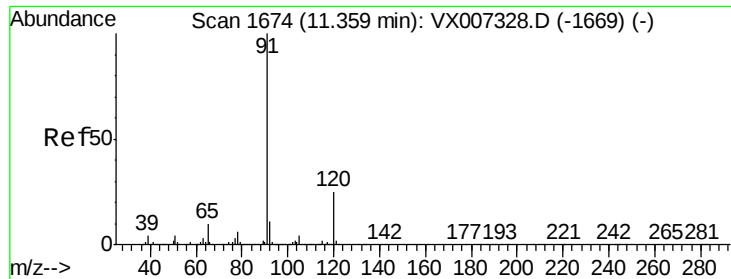
Tgt Ion: 75 Resp: 7154

Ion Ratio Lower Upper

75 100

77 1357.8 23.0 69.0#





#78

n-propylbenzene

Concen: 2.482 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

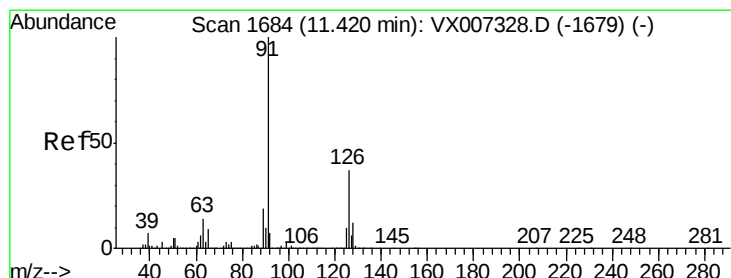
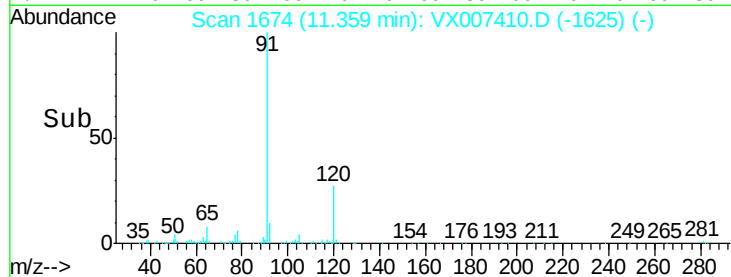
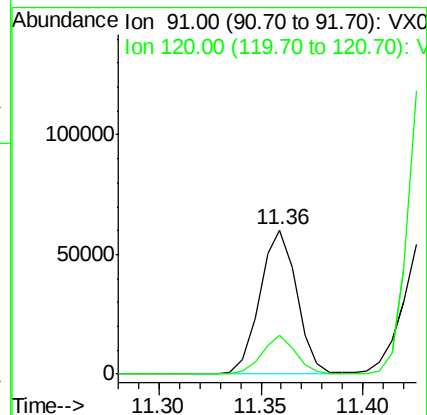
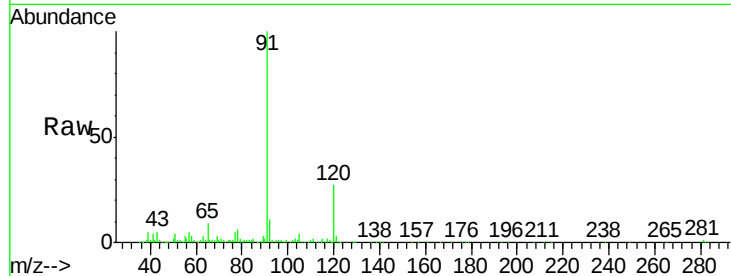
MW-11

Tot Ion: 91 Resp: 75205

Ion Ratio Lower Upper

91 100

120 25.1 12.4 37.2



#79

2-Chlorotoluene

Concen: 6.512 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX007410.D

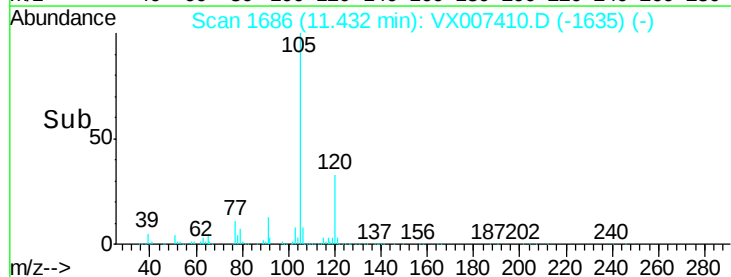
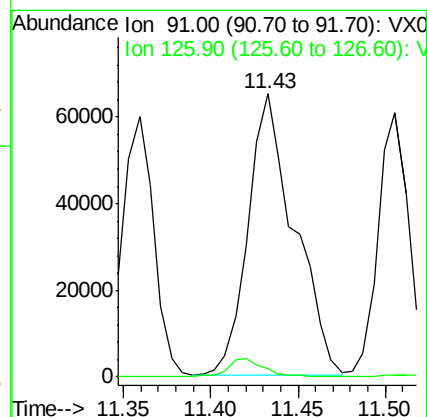
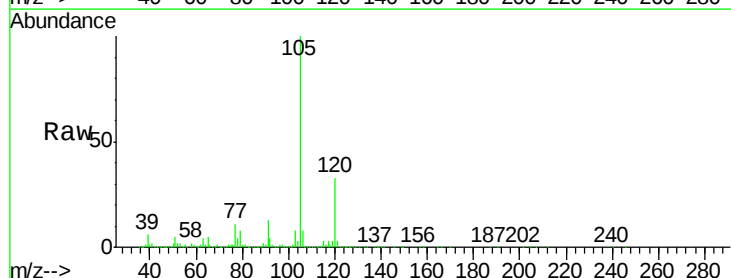
Acq: 06 Feb 2019 19:57

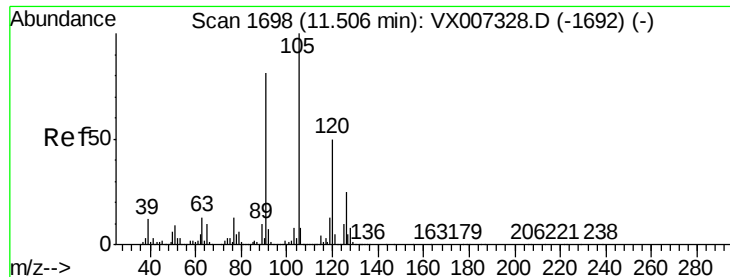
Tgt Ion: 91 Resp: 119740

Ion Ratio Lower Upper

91 100

126 5.2 18.7 56.1#

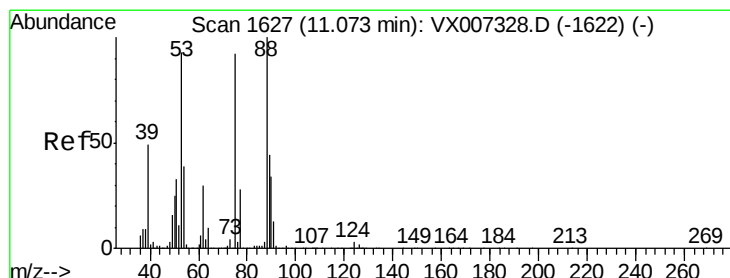
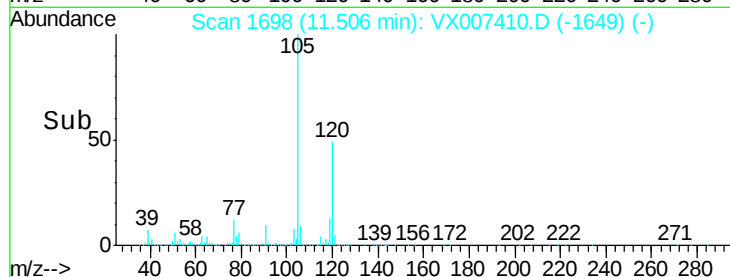
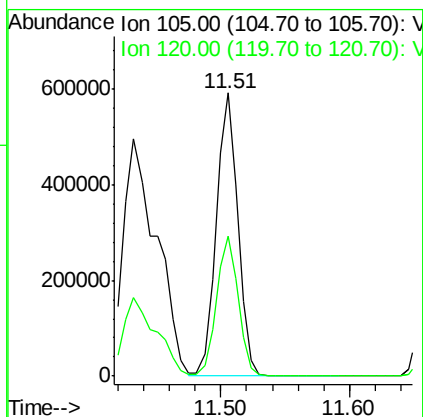
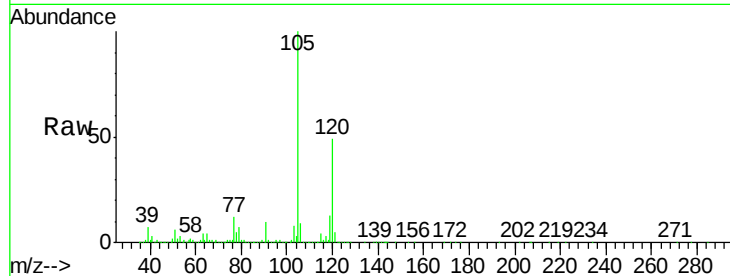




#80
 1,3,5-Trimethylbenzene
 Concen: 30.922 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

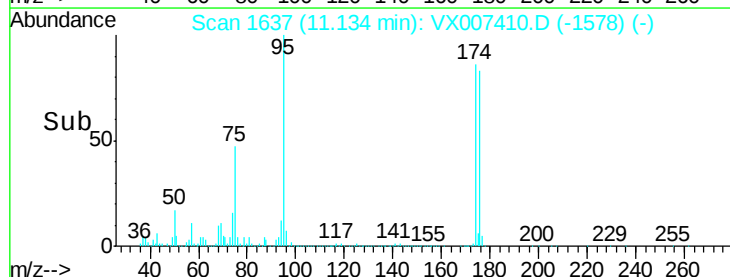
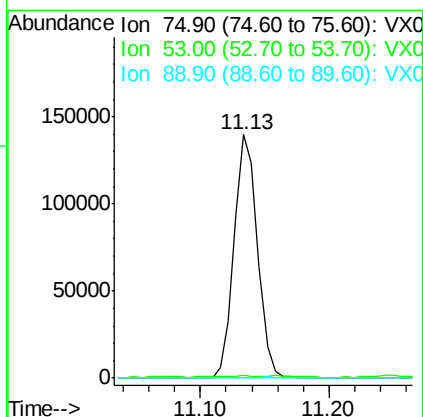
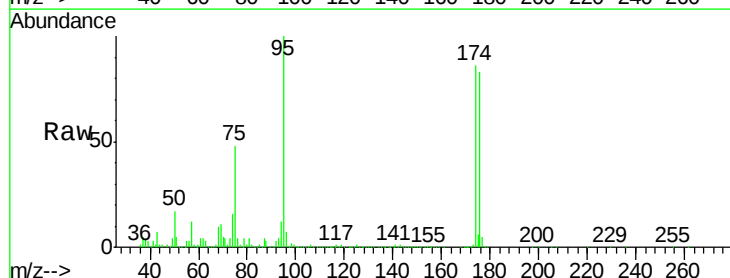
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

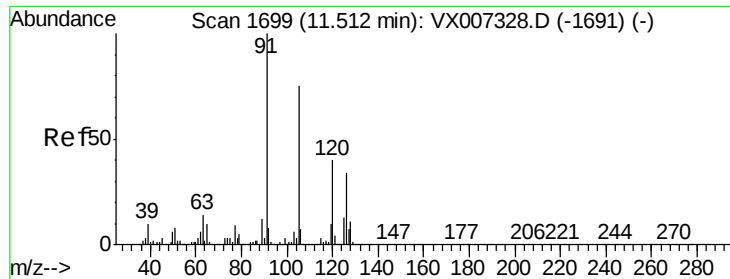
Tot Ion:105 Resp: 699058
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.853 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

Tgt Ion: 75 Resp: 177855
 Ion Ratio Lower Upper
 75 100
 53 0.6 81.0 121.6#
 89 0.0 41.4 62.0#





#82

4-Chlorotoluene

Concen: 3.450 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

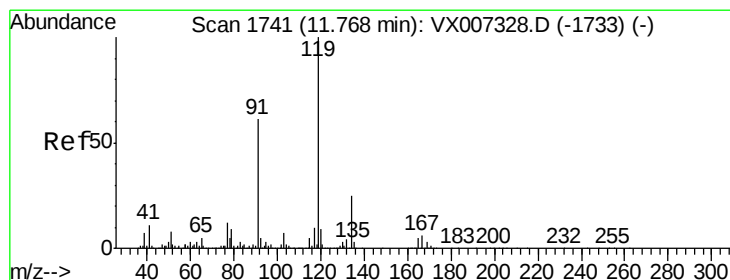
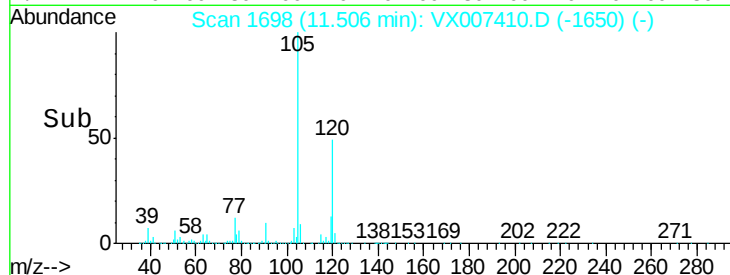
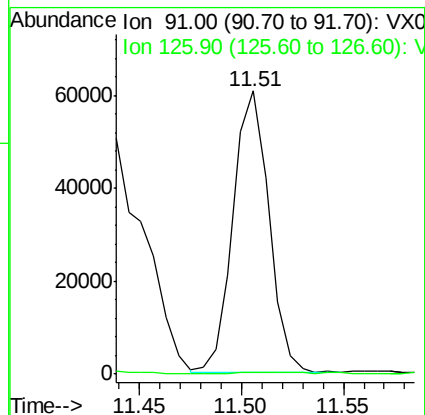
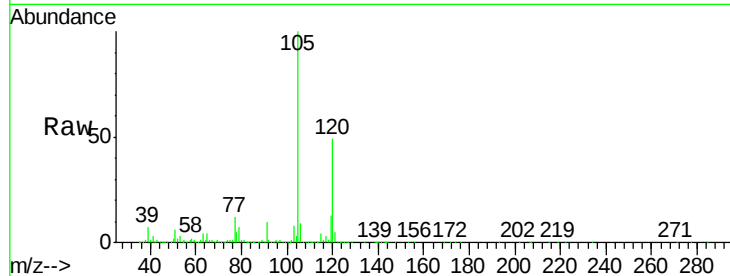
MW-11

Tot Ion: 91 Resp: 73391

Ion Ratio Lower Upper

91 100

126 0.5 16.2 48.5#



#83

tert-Butylbenzene

Concen: 1.933 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

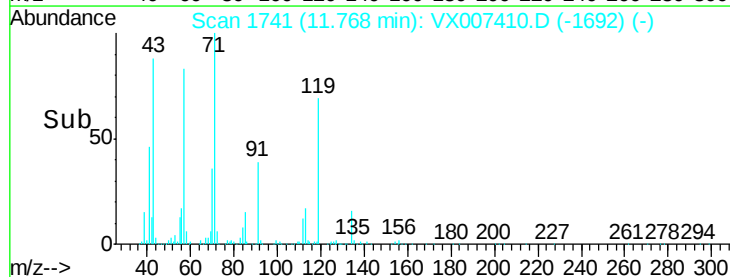
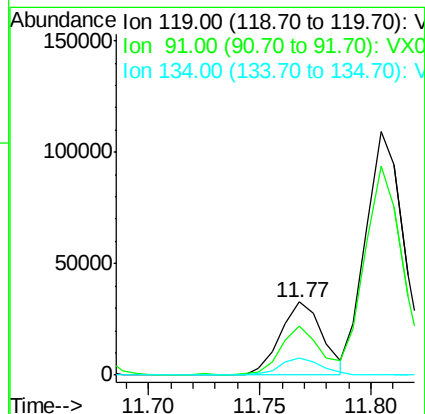
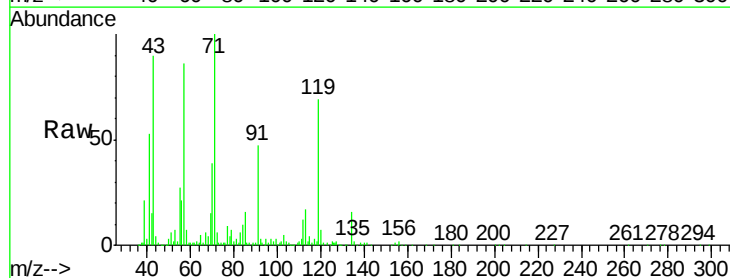
Tgt Ion: 119 Resp: 43272

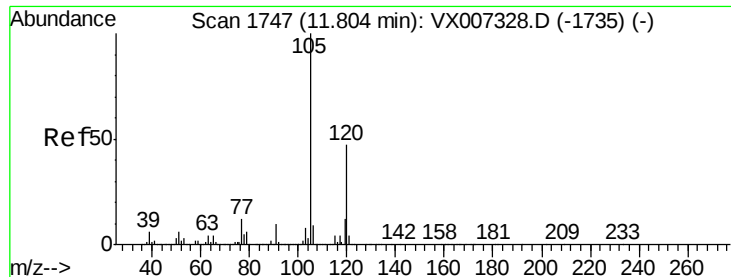
Ion Ratio Lower Upper

119 100

91 61.7 28.5 85.6

134 23.1 12.0 36.0





#84

1,2,4-Trimethylbenzene

Concen: 45.841 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

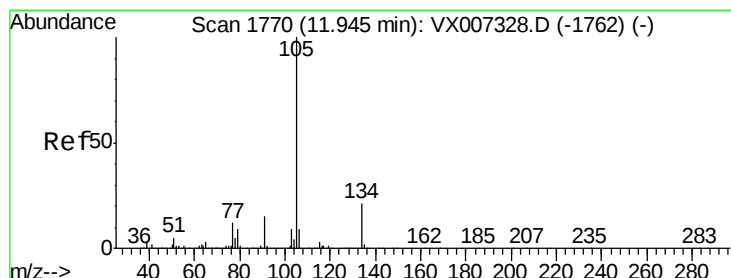
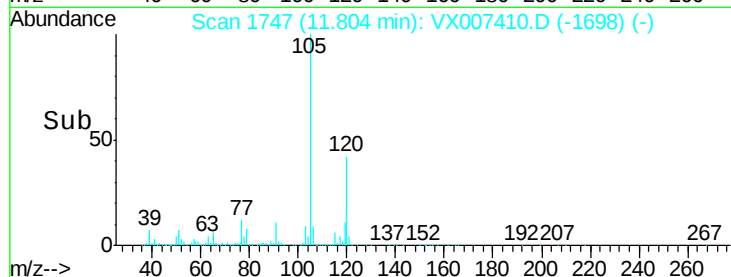
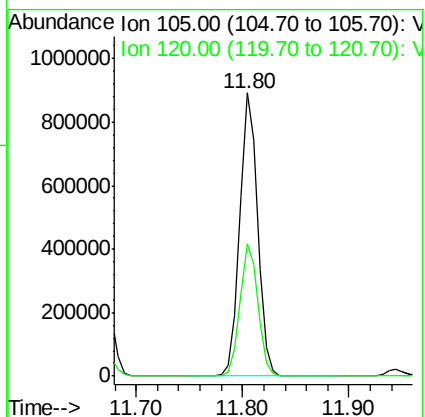
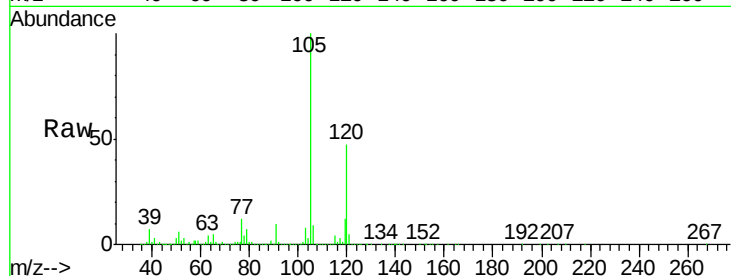
MW-11

Tot Ion:105 Resp: 1052126

Ion Ratio Lower Upper

105 100

120 47.7 23.1 69.3



#85

sec-Butylbenzene

Concen: 38.826 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX007410.D

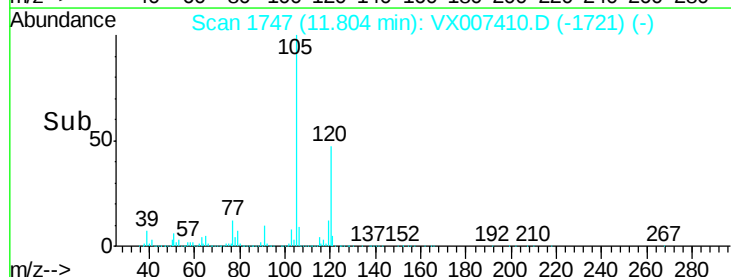
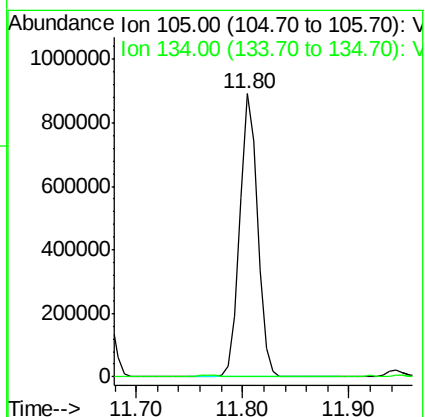
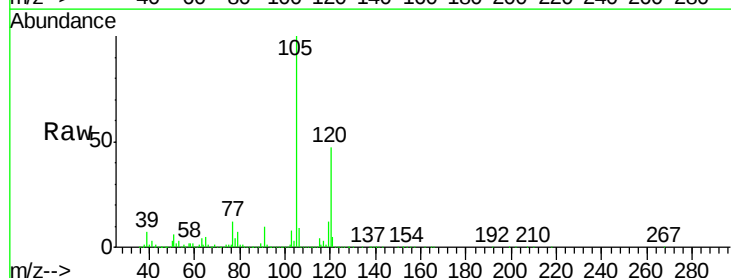
Acq: 06 Feb 2019 19:57

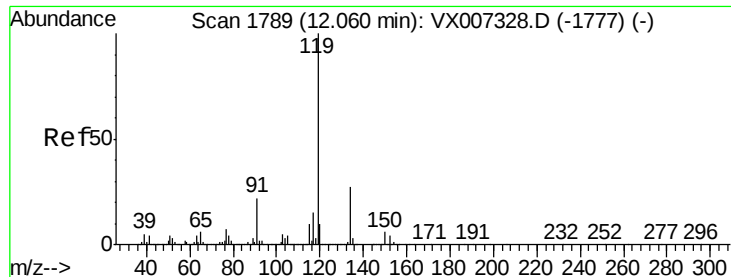
Tgt Ion:105 Resp: 1051802

Ion Ratio Lower Upper

105 100

134 0.0 10.6 31.8#





#86

p-Isopropyltoluene

Concen: 3.303 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-11

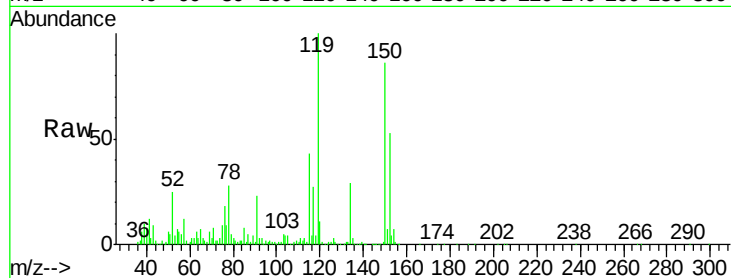
Tot Ion:119 Resp: 80777

Ion Ratio Lower Upper

119 100

134 29.2 13.7 41.1

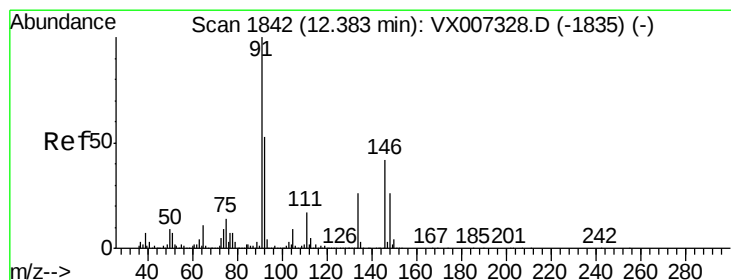
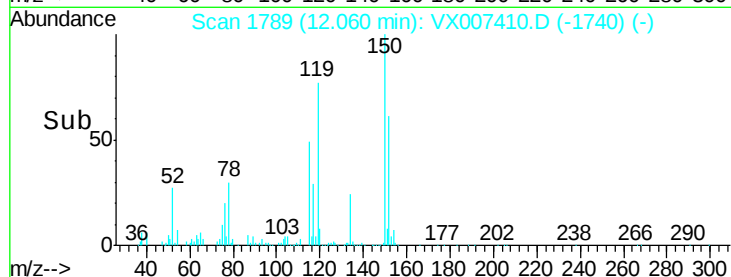
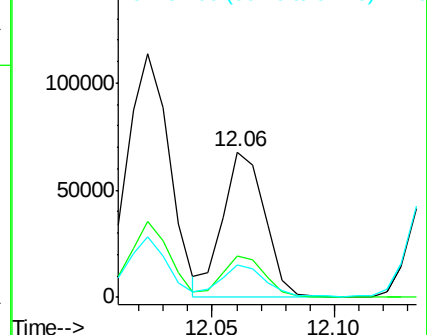
91 22.6 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 6.639 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

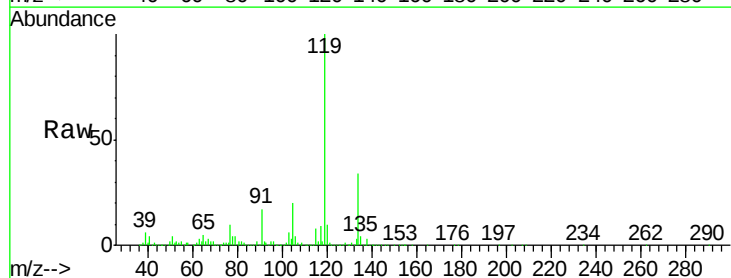
Tgt Ion: 91 Resp: 139663

Ion Ratio Lower Upper

91 100

92 18.0 26.3 78.9#

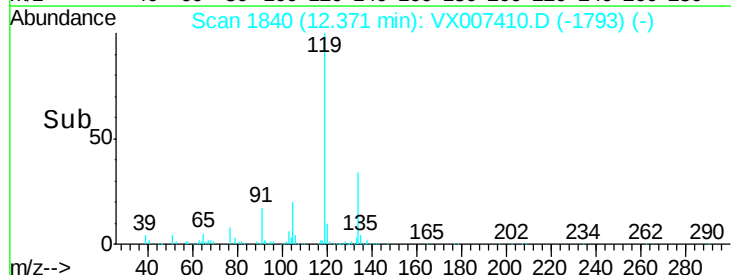
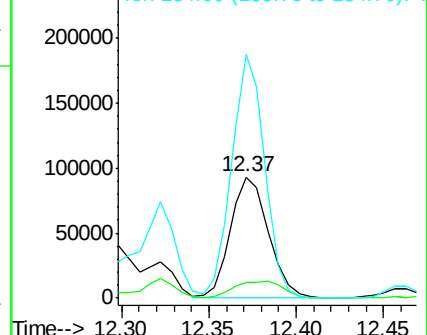
134 174.7 13.9 41.6#

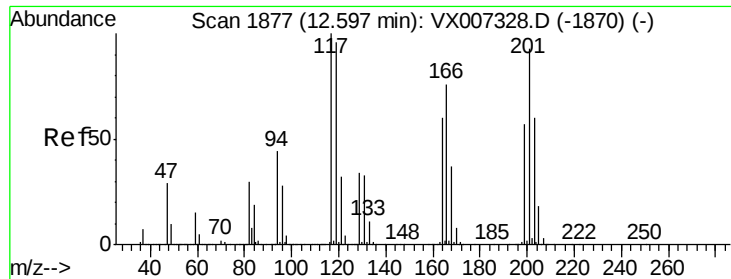


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 4.686 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

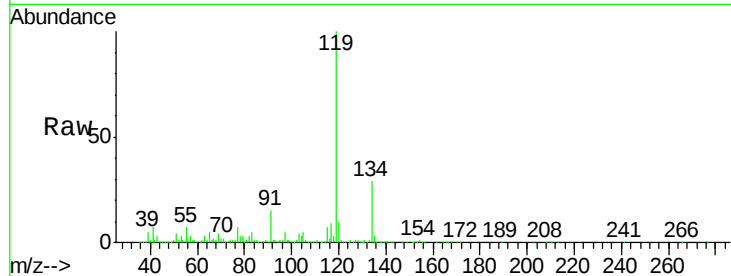
MW-11

Tot Ion:117 Resp: 17152

Ion Ratio Lower Upper

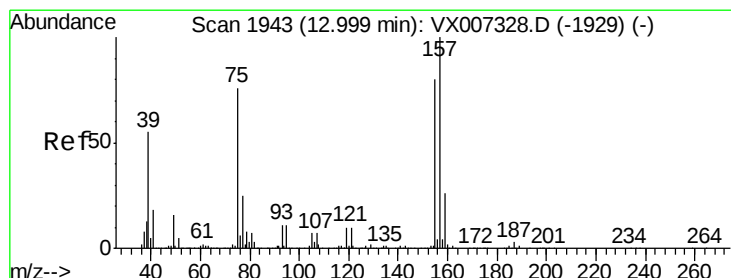
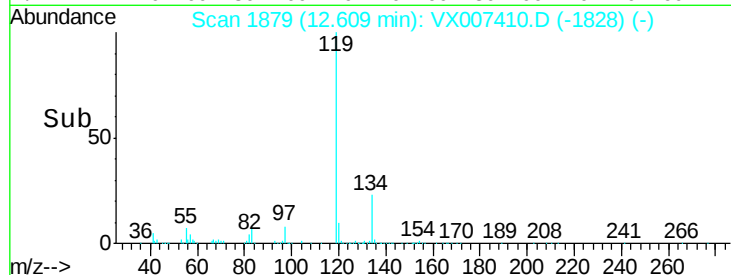
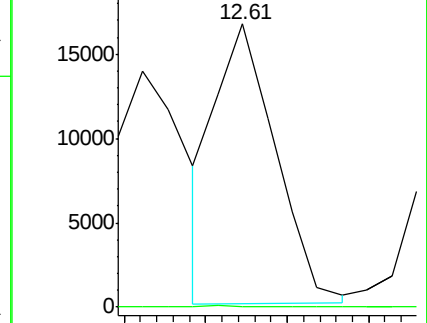
117 100

201 0.4 44.9 134.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.133 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

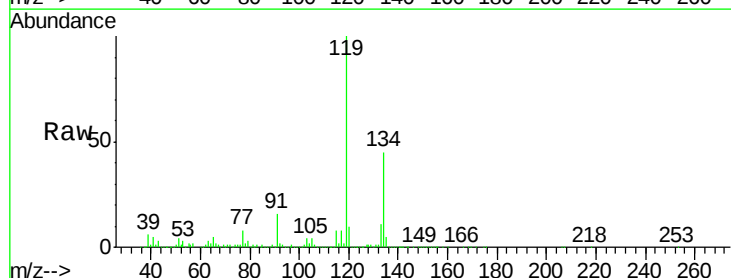
Tgt Ion: 75 Resp: 3735

Ion Ratio Lower Upper

75 100

155 17.9 49.6 149.0#

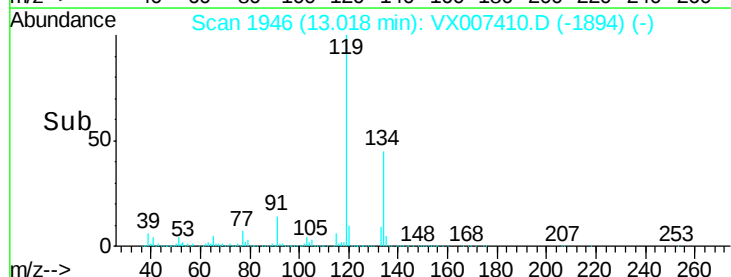
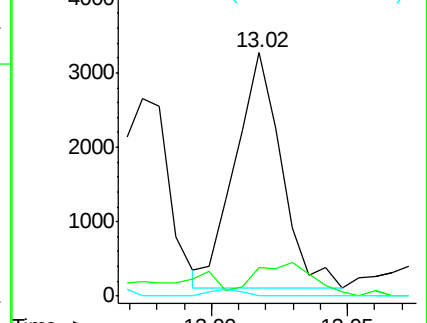
157 0.0 65.1 195.3#

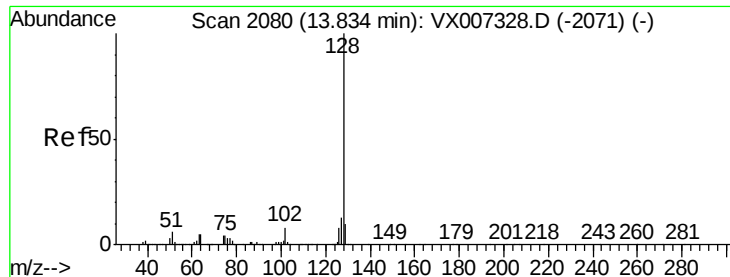


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

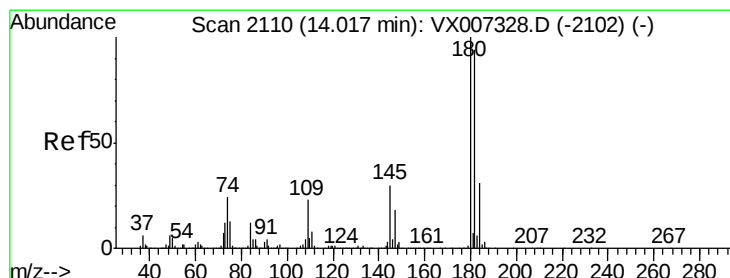
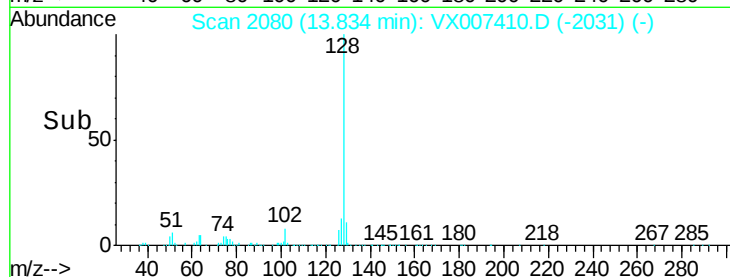
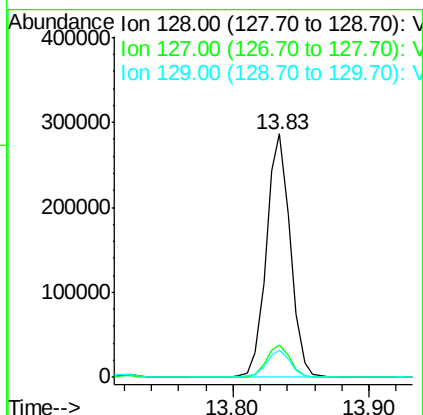
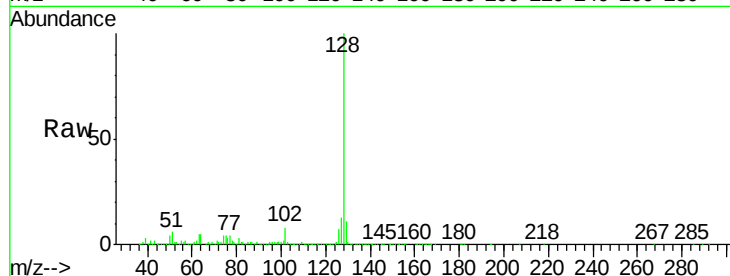




#95
Naphthalene
Concen: 12.884 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.211 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	12.0	47.5	142.6#
145	174.9	14.9	44.5#

