

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020719\
 Data File : VX007418.D
 Acq On : 07 Feb 2019 12:03
 Operator : JC/SP
 Sample : K1392-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11DL

Quant Time: Feb 08 22:06:52 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	519376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	798576	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	754312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	381799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	277211	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	5.50	113	256070	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	8.71	98	956870	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	343223	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	371	0.235 ug/l #	1
3) Chloromethane	1.33	50	1324	0.226 ug/l #	40
4) Vinyl Chloride	1.41	62	11241	1.959 ug/l	99
5) Bromomethane	1.65	94	900	Below Cal	92
10) Methyl Iodide	2.52	142	1721	0.219 ug/l #	77
11) Tert butyl alcohol	3.03	59	2363	2.071 ug/l	99
13) Acrolein	2.29	56	421	0.787 ug/l #	1
15) Acrylonitrile	3.15	53	784	0.278 ug/l #	56
16) Acetone	2.45	43	4515	1.788 ug/l	98
17) Carbon Disulfide	2.57	76	3458	2.376 ug/l #	80
18) Methyl Acetate	2.79	43	1290	0.787 ug/l	99
20) Methylene Chloride	2.87	84	1450	Below Cal #	44
21) trans-1,2-Dichloroethene	3.17	96	4229	0.801 ug/l #	88
25) 2-Butanone	4.70	43	1618	0.450 ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	297773	51.608 ug/l	91
31) Cyclohexane	5.57	56	2153	0.281 ug/l #	87
36) 1,1-Dichloropropene	5.67	75	32717	4.566 ug/l #	49
38) Carbon Tetrachloride	5.66	117	46656	6.712 ug/l #	17
39) Methylcyclohexane	7.46	83	2876	0.332 ug/l	94
40) Benzene	6.14	78	6648	0.315 ug/l #	84
49) 1,4-Dioxane	7.74	88	232	8.691 ug/l #	55
52) Toluene	8.78	92	120408	8.842 ug/l	100
67) Ethyl Benzene	10.25	91	44093	1.663 ug/l	98
68) m/p-Xylenes	10.36	106	119467	11.338 ug/l	98
69) o-Xylene	10.69	106	75817	7.477 ug/l	99
70) Styrene	10.70	104	4785	0.291 ug/l #	1
73) Isopropylbenzene	11.02	105	5819	0.224 ug/l	86
76) 1,2,3-Trichloropropane	11.13	75	167266	22.523 ug/l #	33
78) n-propylbenzene	11.36	91	14991	0.527 ug/l	99
79) 2-Chlorotoluene	11.43	91	21874	1.267 ug/l #	51
80) 1,3,5-Trimethylbenzene	11.51	105	125374	5.907 ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	167266	67.957 ug/l #	9
82) 4-Chlorotoluene	11.51	91	12746	0.638 ug/l #	51
83) tert-Butylbenzene	11.77	119	7547	0.359 ug/l	86

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 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

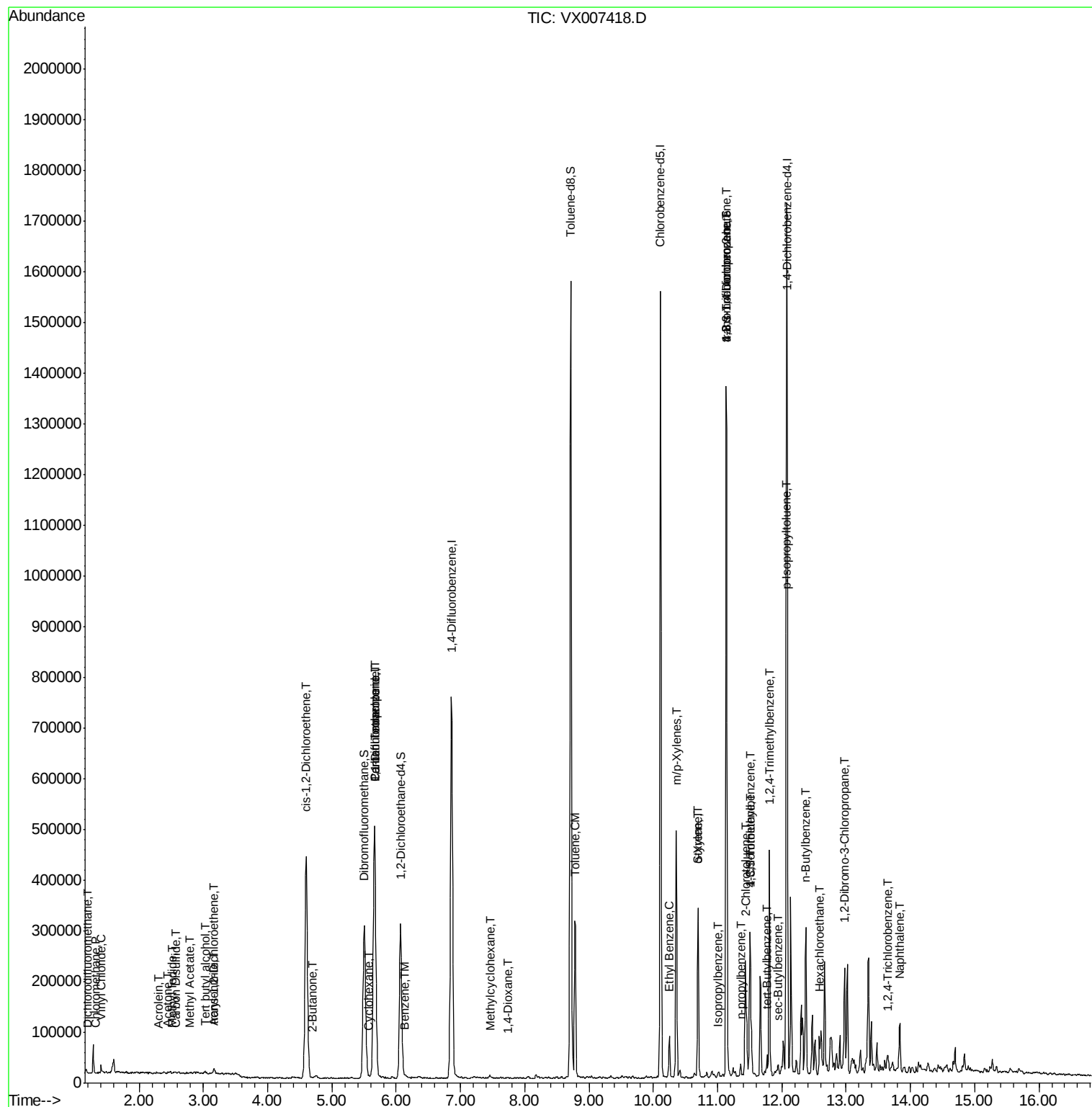
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.80	105	192836	8.948	ug/l	99
85) sec-Butylbenzene	11.94	105	6289	0.247	ug/l	96
86) p-Isopropyltoluene	12.06	119	14837	0.646	ug/l	90
89) n-Butylbenzene	12.37	91	26665	1.350	ug/l #	1
90) Hexachloroethane	12.58	117	3415	0.994	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.97	75	610	0.371	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1799	0.204	ug/l #	71
95) Naphthalene	13.83	128	60385	2.345	ug/l	97

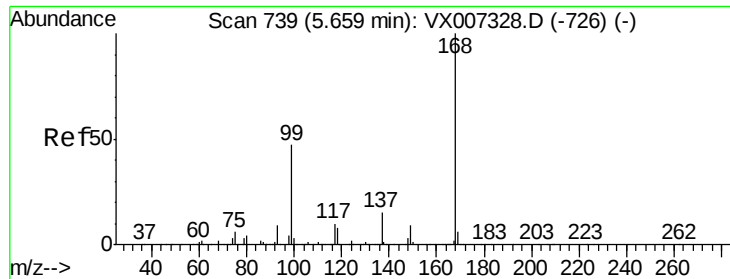
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

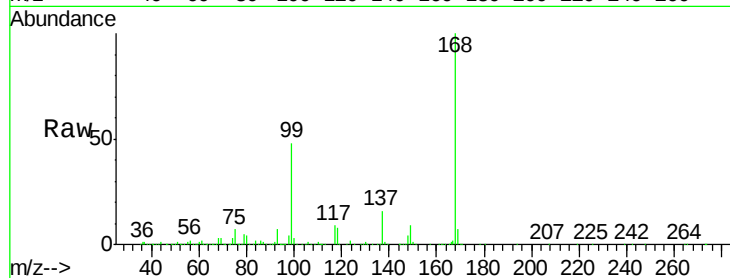
MW-11DL

Tot Ion:168 Resp: 519376

Ion Ratio Lower Upper

168 100

99 48.4 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

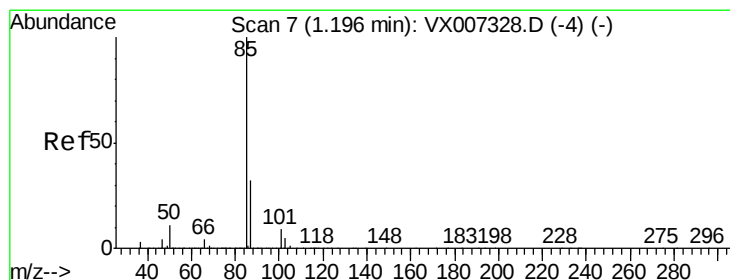
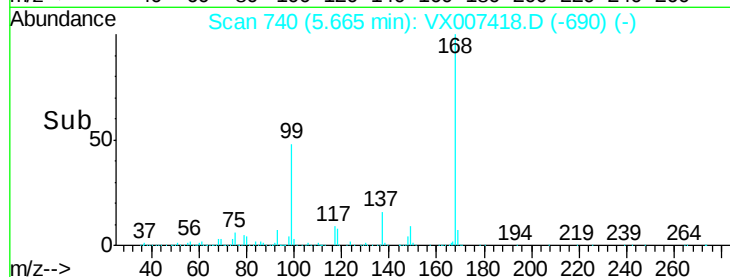
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.235 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007418.D

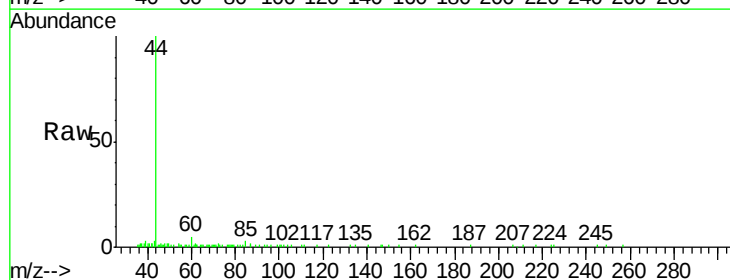
Acq: 07 Feb 2019 12:03

Tgt Ion: 85 Resp: 371

Ion Ratio Lower Upper

85 100

87 88.8 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300

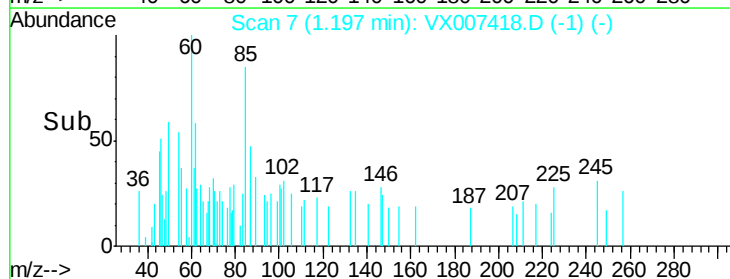
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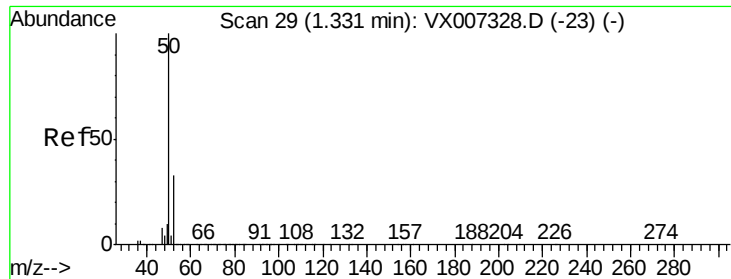
100

0

Time-->

1.16 1.18 1.20 1.22 1.24





#3

Chloromethane

Concen: 0.226 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

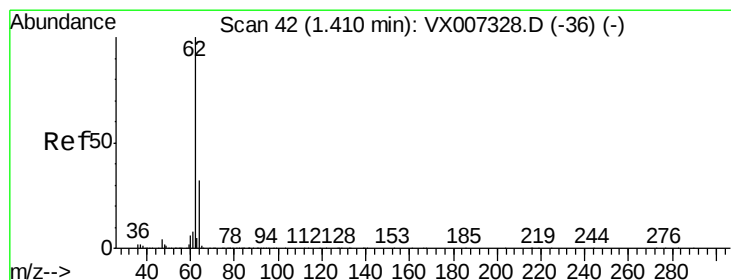
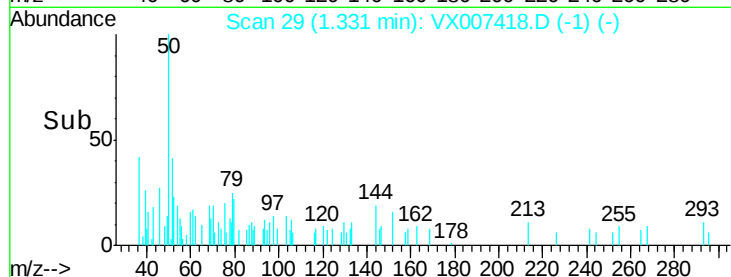
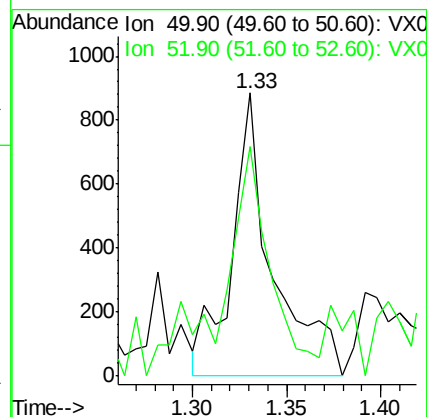
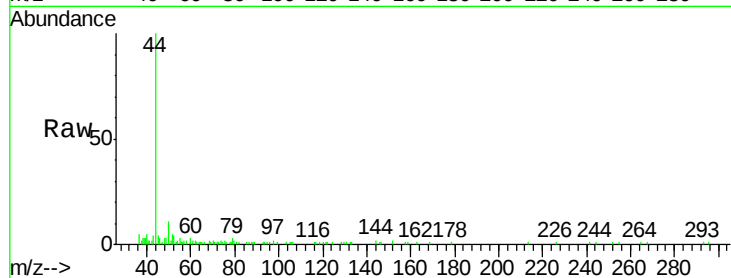
MW-11DL

Tot Ion: 50 Resp: 1324

Ion Ratio Lower Upper

50 100

52 66.3 26.1 39.1#



#4

Vinyl Chloride

Concen: 1.959 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007418.D

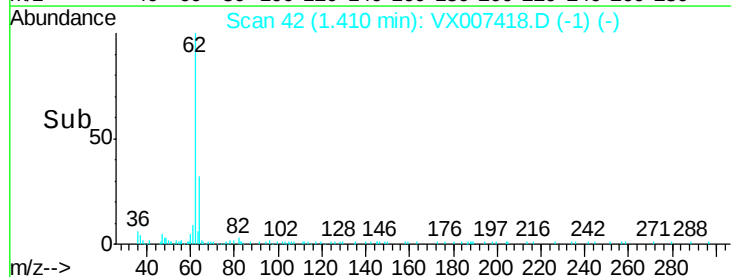
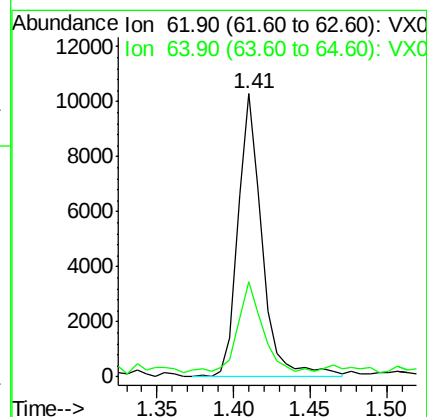
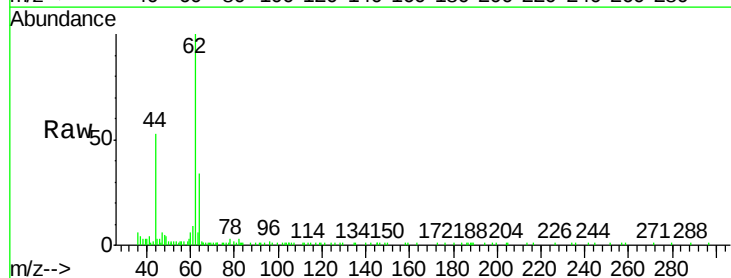
Acq: 07 Feb 2019 12:03

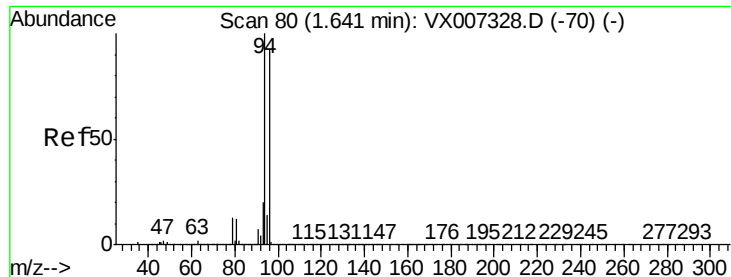
Tgt Ion: 62 Resp: 11241

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

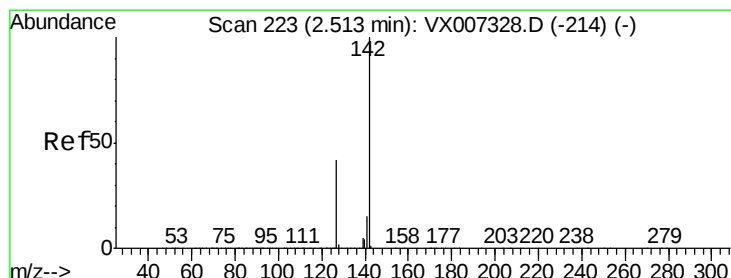
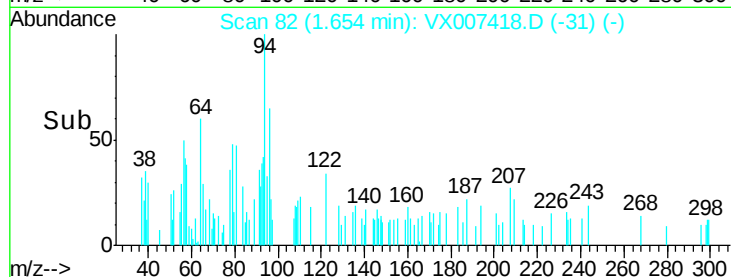
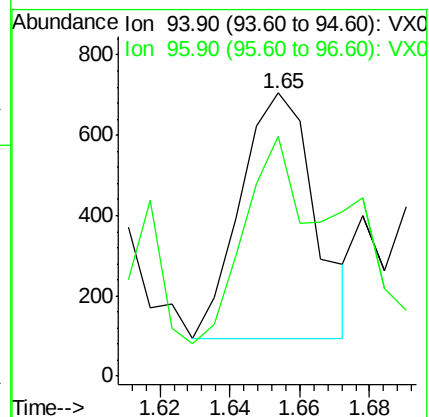
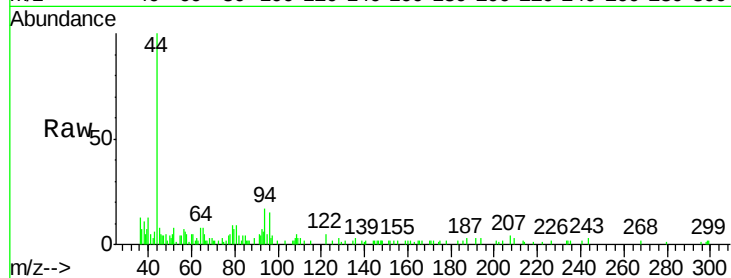
MW-11DL

Tot Ion: 94 Resp: 900

Ion Ratio Lower Upper

94 100

96 84.6 73.9 110.9



#10

Methyl Iodide

Concen: 0.219 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

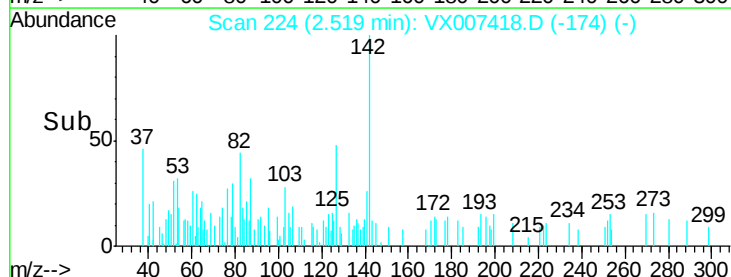
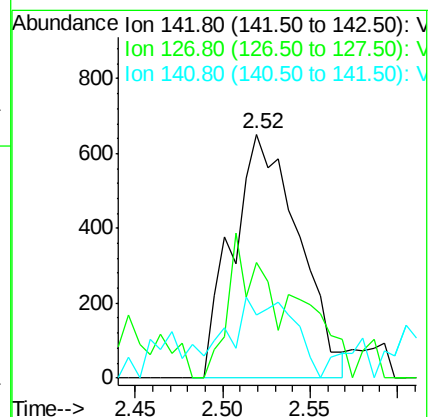
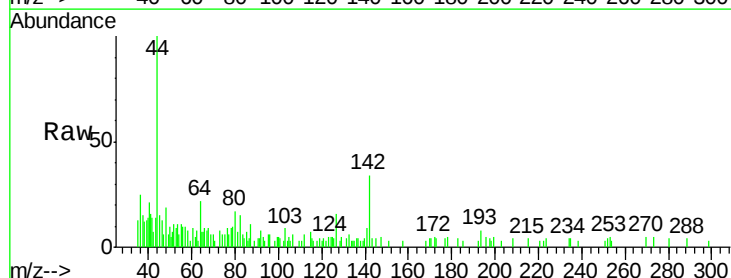
Tgt Ion: 142 Resp: 1721

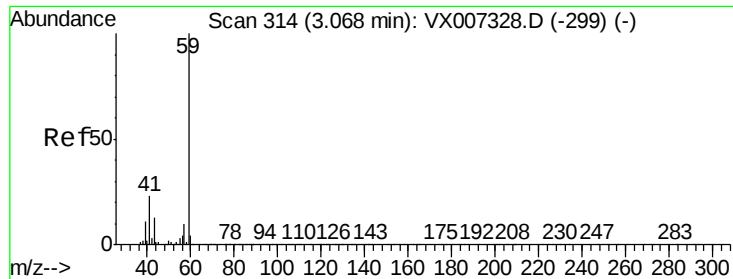
Ion Ratio Lower Upper

142 100

127 31.5 33.7 50.5#

141 30.8 11.3 16.9#

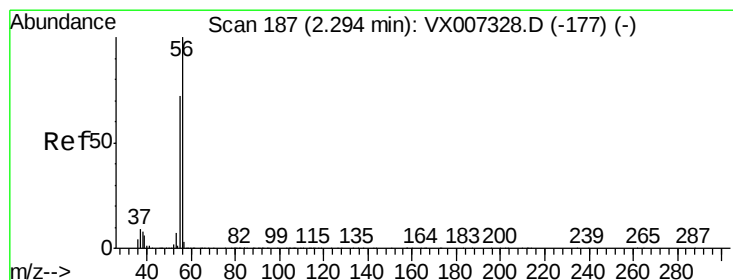
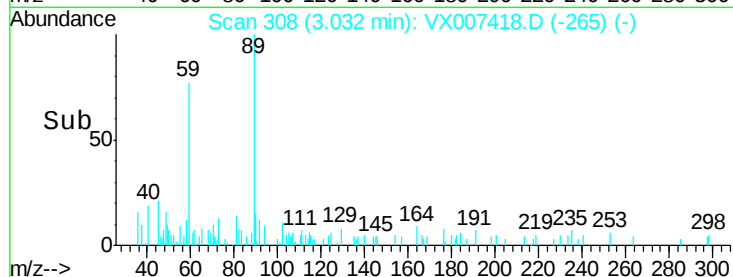
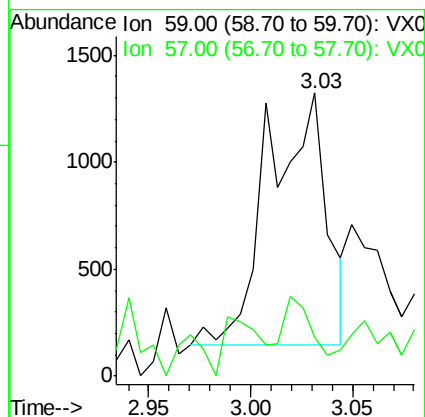
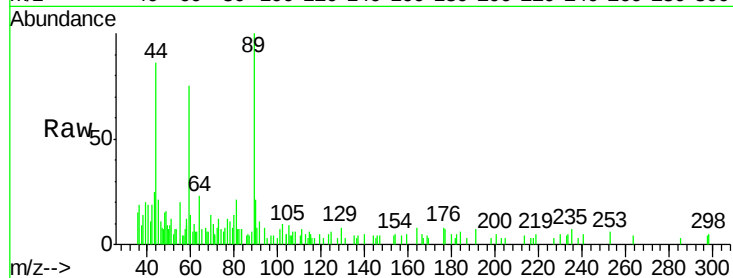




#11
Tert butvl alcohol
Concen: 2.071 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.04 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

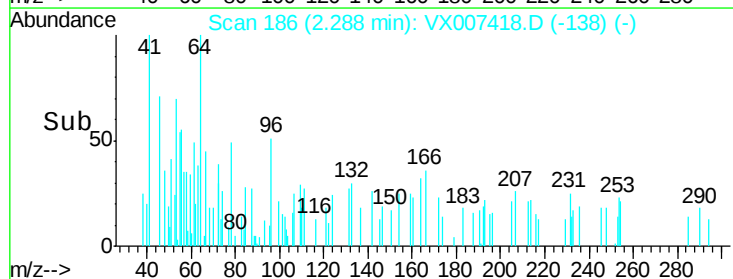
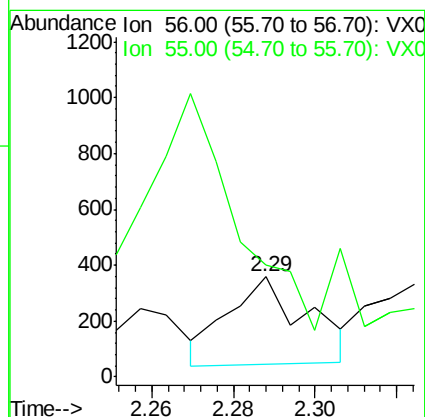
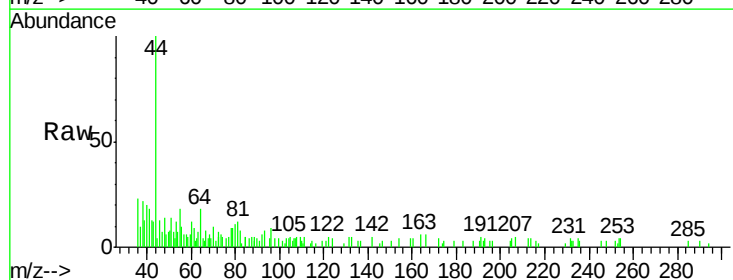
Instrument :
MSVOA_X
ClientSampled :
MW-11DL

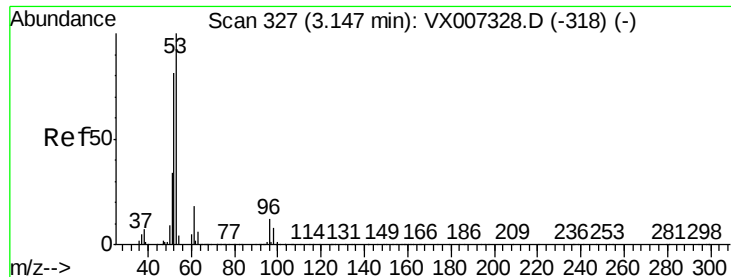
Tot Ion: 59 Resp: 2363
Ion Ratio Lower Upper
59 100
57 9.9 8.1 12.1



#13
Acrolein
Concen: 0.787 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

Tgt Ion: 56 Resp: 421
Ion Ratio Lower Upper
56 100
55 322.8 56.9 85.3#





#15

Acrylonitrile

Concen: 0.278 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

MW-11DL

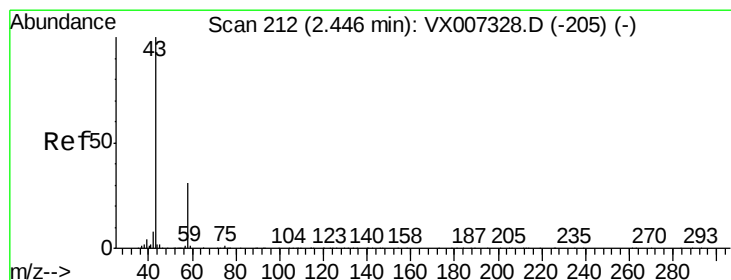
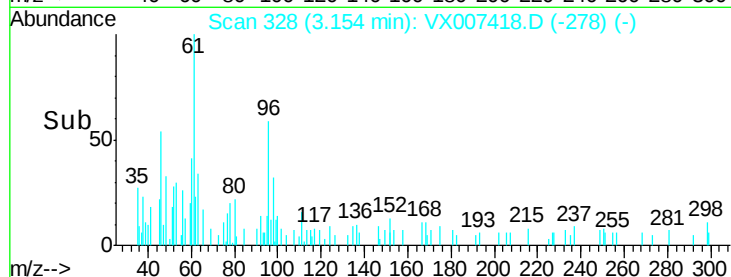
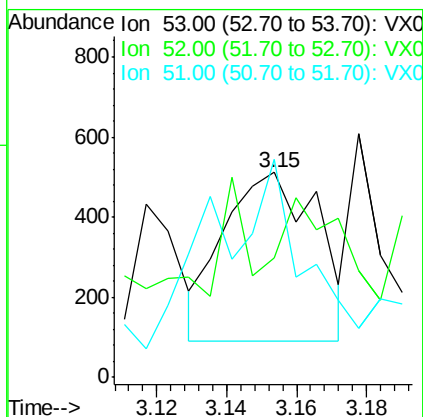
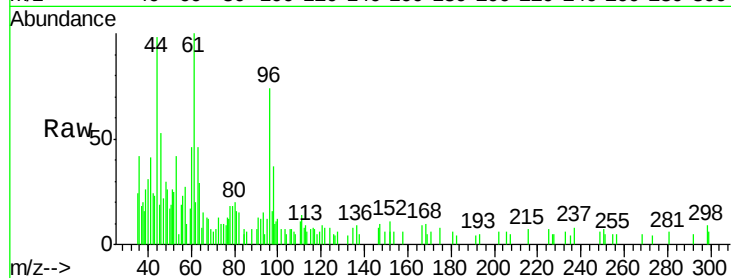
Tot Ion: 53 Resp: 784

Ion Ratio Lower Upper

53 100

52 49.9 66.4 99.6#

51 0.0 28.4 42.6#



#16

Acetone

Concen: 1.788 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007418.D

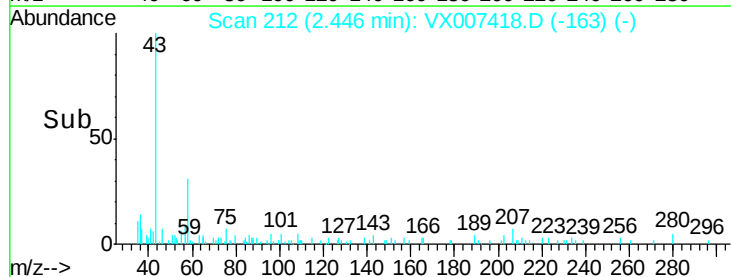
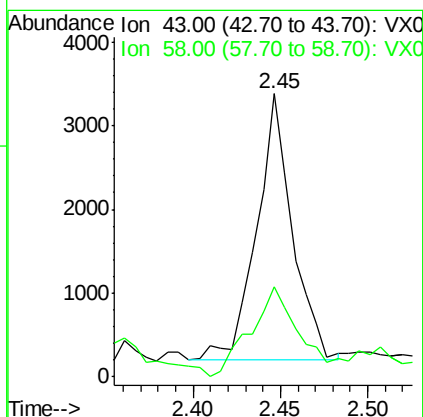
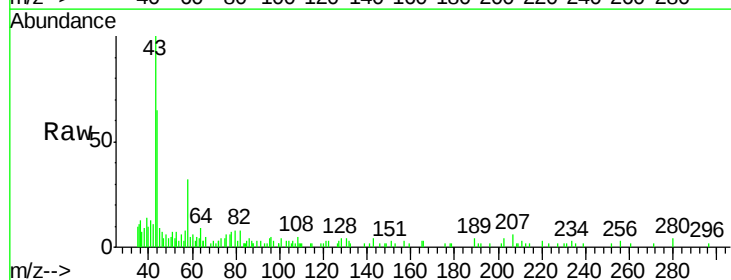
Acq: 07 Feb 2019 12:03

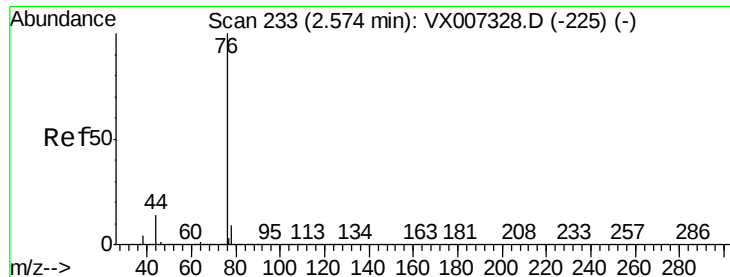
Tgt Ion: 43 Resp: 4515

Ion Ratio Lower Upper

43 100

58 30.1 24.9 37.3





#17

Carbon Disulfide

Concen: 2.376 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

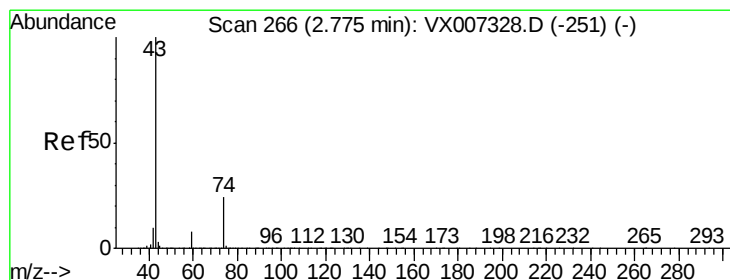
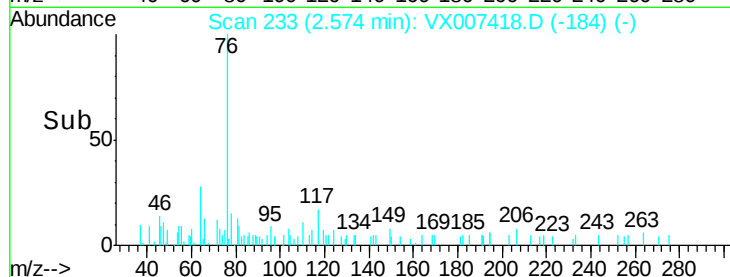
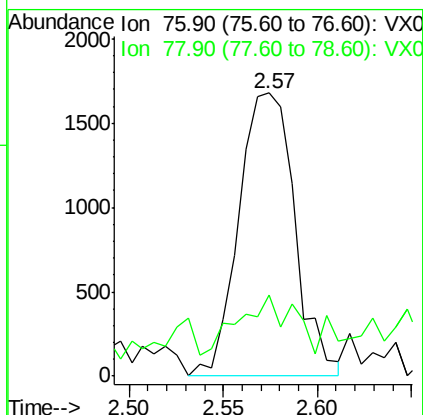
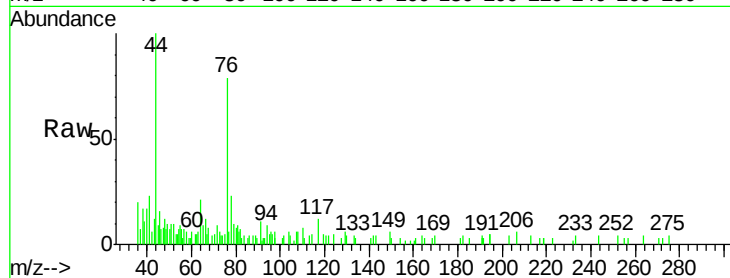
MW-11DL

Tot Ion: 76 Resp: 3458

Ion Ratio Lower Upper

76 100

78 16.3 7.1 10.7#



#18

Methyl Acetate

Concen: 0.787 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX007418.D

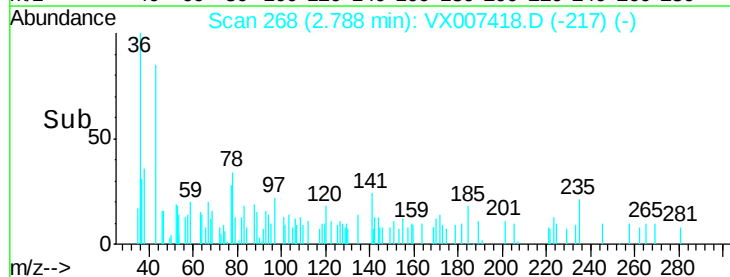
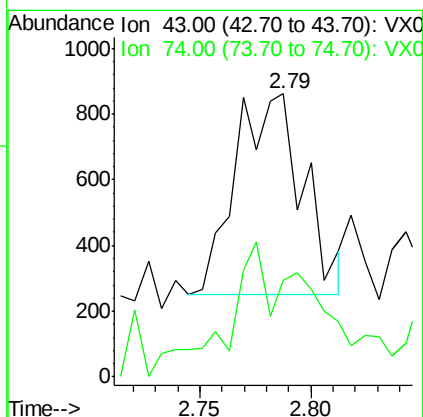
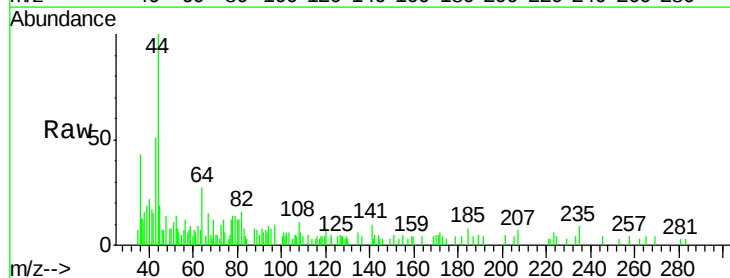
Acq: 07 Feb 2019 12:03

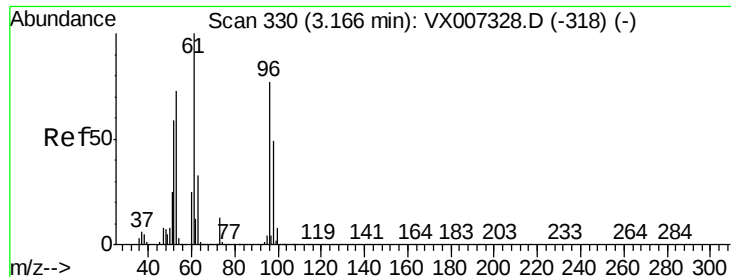
Tgt Ion: 43 Resp: 1290

Ion Ratio Lower Upper

43 100

74 23.6 19.4 29.2





#21

trans-1,2-Dichloroethene

Concen: 0.801 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

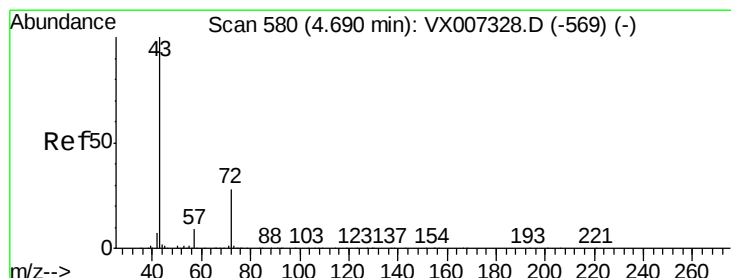
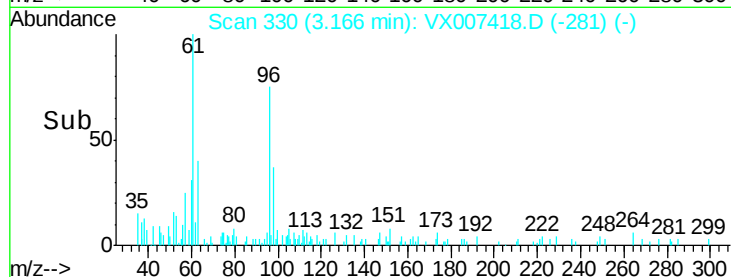
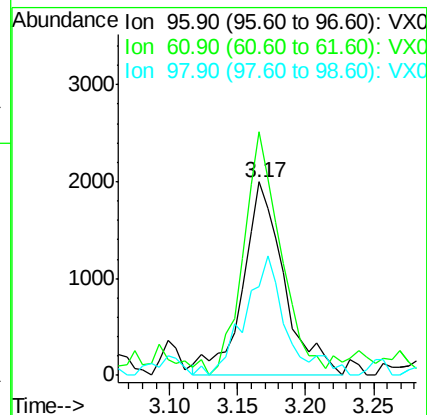
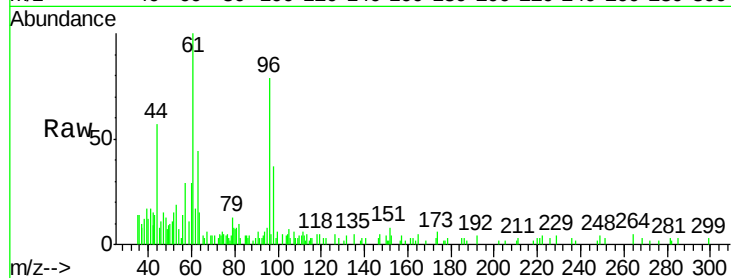
Tot Ion: 96 Resp: 4229

Ion Ratio Lower Upper

96 100

61 122.0 104.6 156.8

98 46.2 51.0 76.4#



#25

2-Butanone

Concen: 0.450 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007418.D

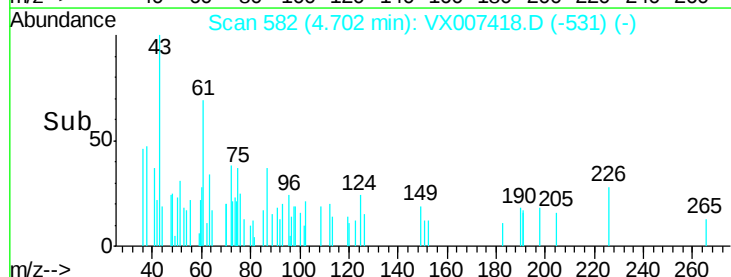
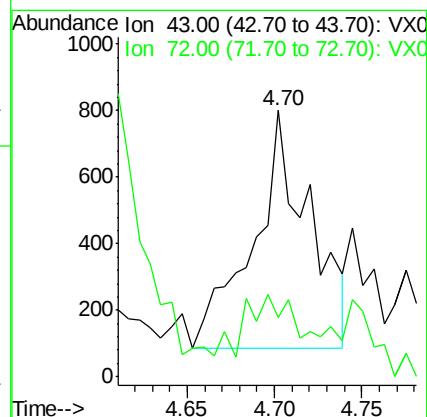
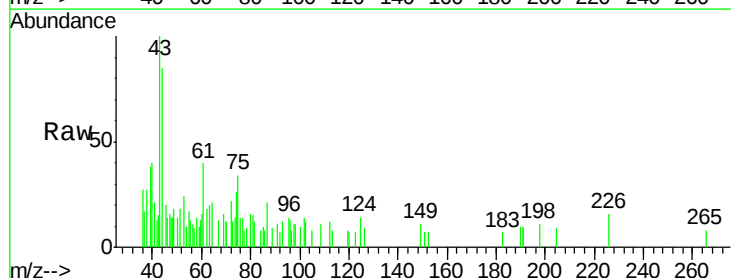
Acq: 07 Feb 2019 12:03

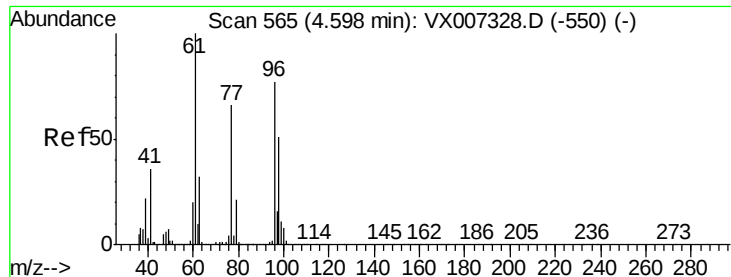
Tgt Ion: 43 Resp: 1618

Ion Ratio Lower Upper

43 100

72 26.3 22.2 33.2



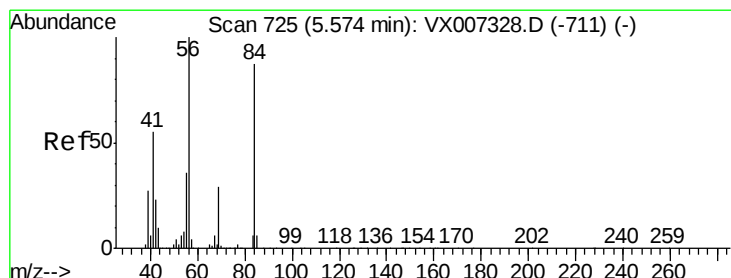
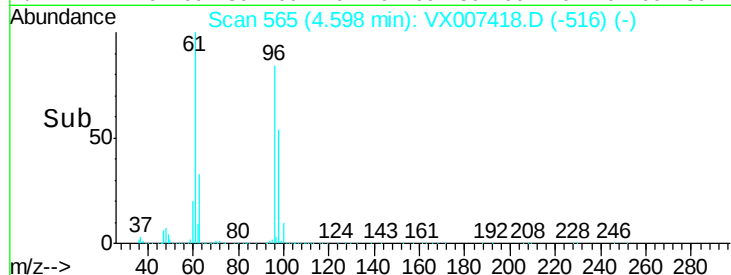
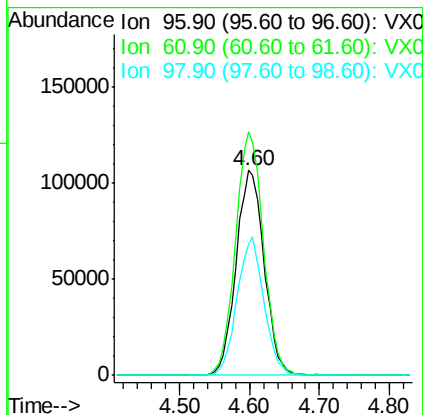
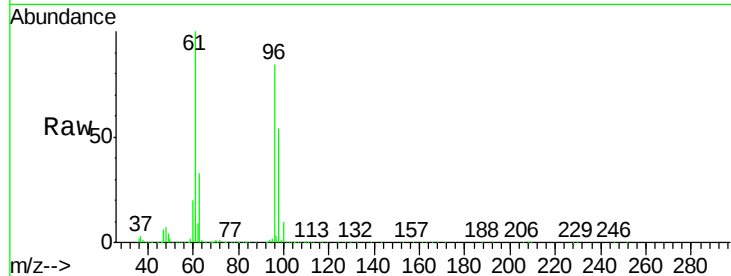


#27

cis-1,2-Dichloroethene
 Concen: 51.608 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007418.D
 Acq: 07 Feb 2019 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11DL

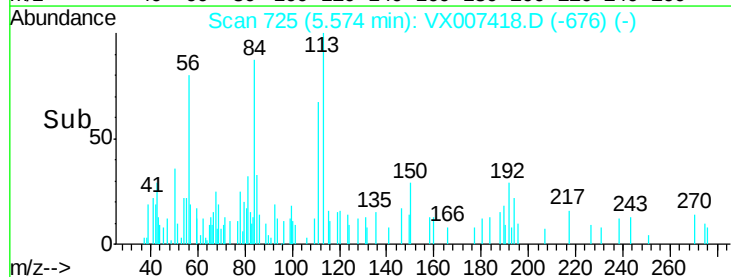
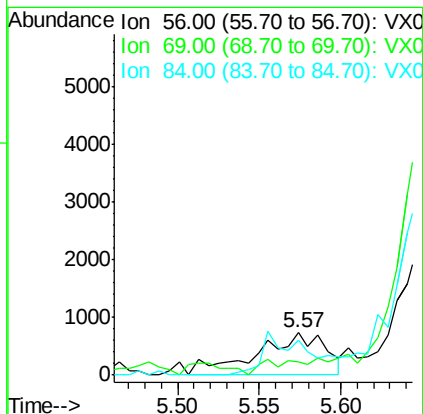
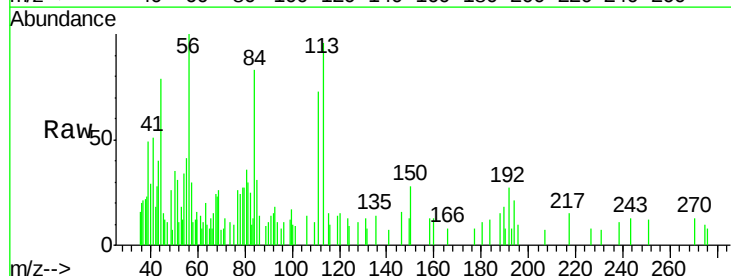
Tot Ion	Ratio	Lower	Upper
96	100		
61	117.7	0.0	265.6
98	64.2	0.0	131.6

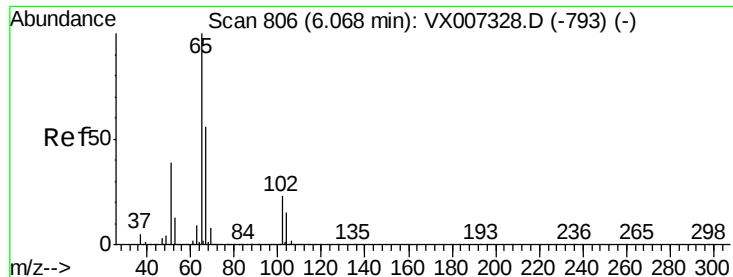


#31

Cyclohexane
 Concen: 0.281 ug/l
 RT: 5.57 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VX007418.D
 Acq: 07 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	8.3	23.0	34.6#
84	83.5	69.8	104.6





#33

1,2-Dichloroethane-d4

Concen: 50.285 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

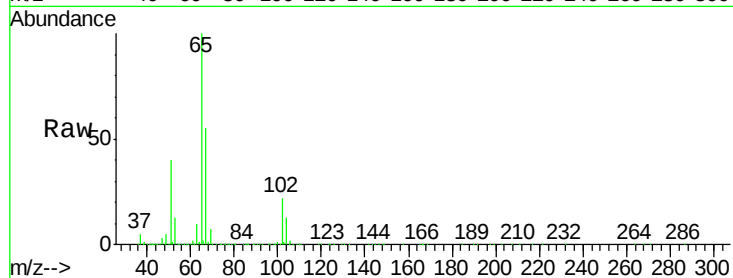
MW-11DL

Tot Ion: 65 Resp: 277211

Ion Ratio Lower Upper

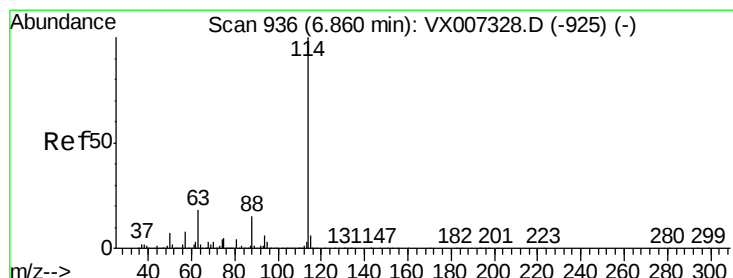
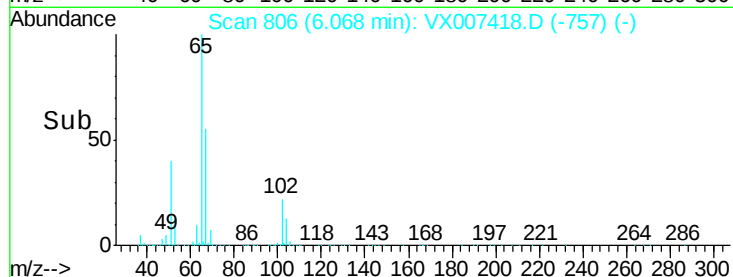
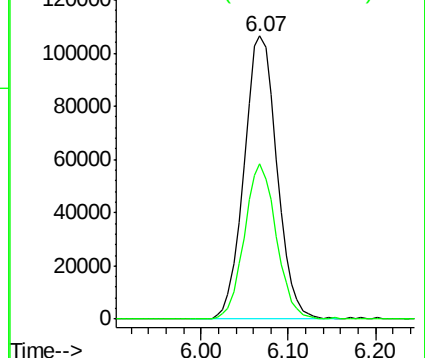
65 100

67 53.3 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

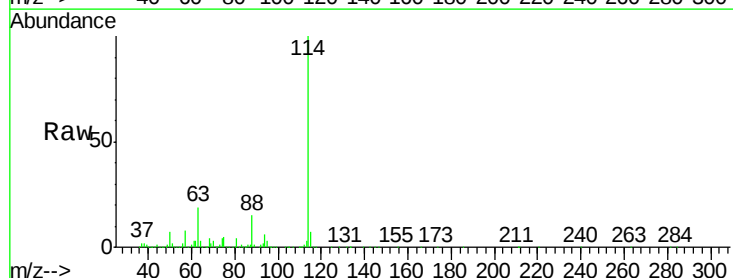
Tgt Ion: 114 Resp: 798576

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.6

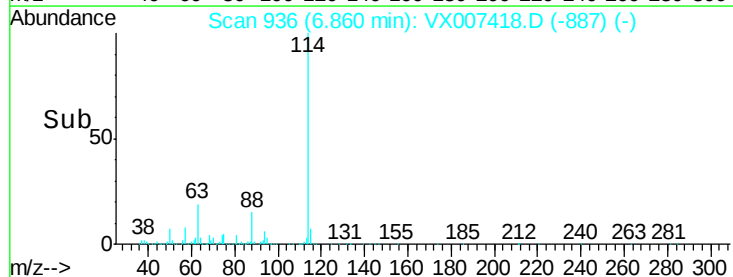
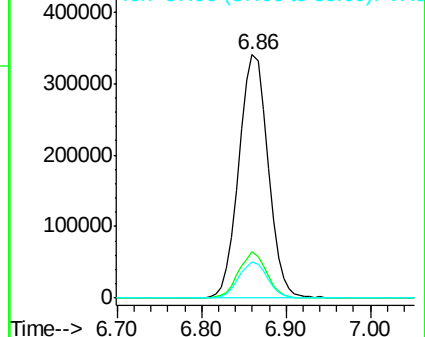
88 14.7 0.0 29.6

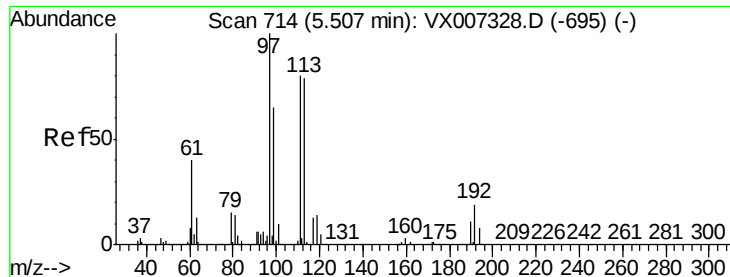


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.282 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

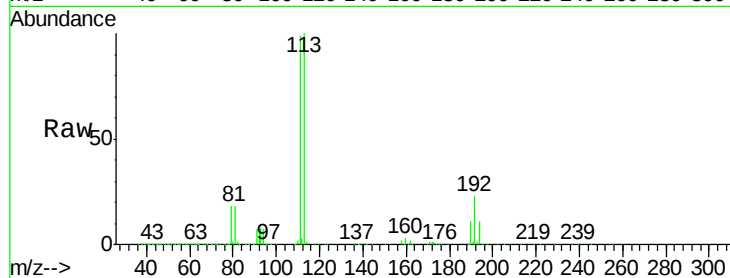
Tot Ion:113 Resp: 256070

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

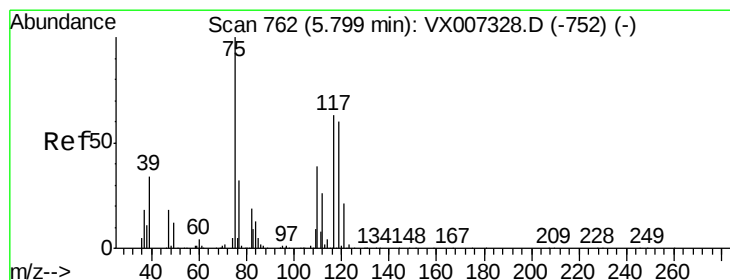
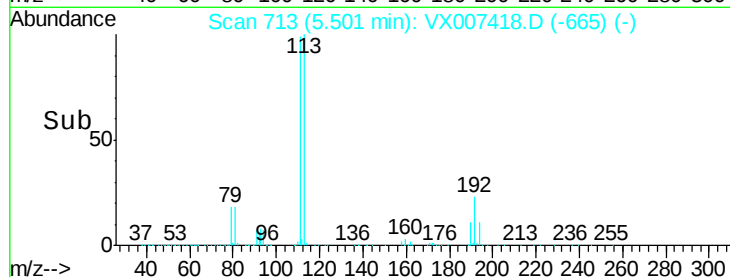
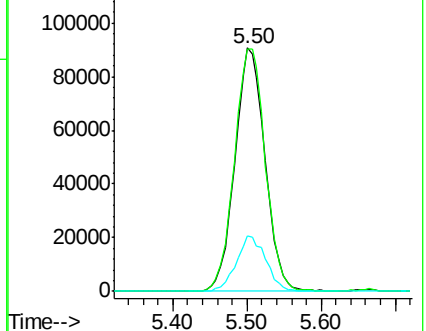
192 22.4 18.5 27.7



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: 4.566 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

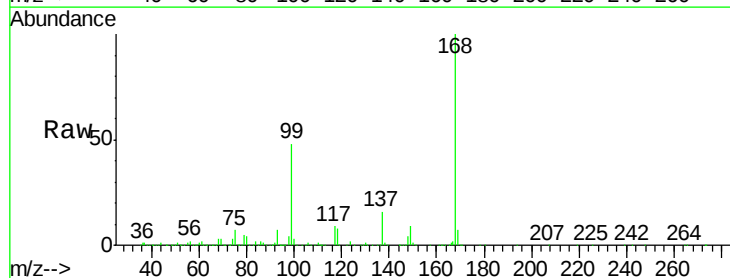
Tgt Ion: 75 Resp: 32717

Ion Ratio Lower Upper

75 100

110 9.9 20.0 59.9#

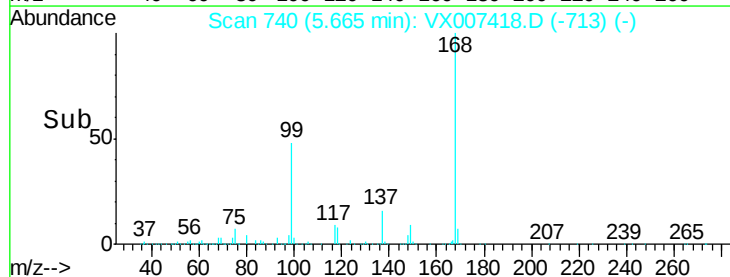
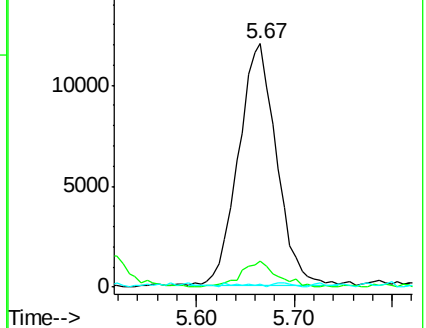
77 0.9 24.7 37.1#

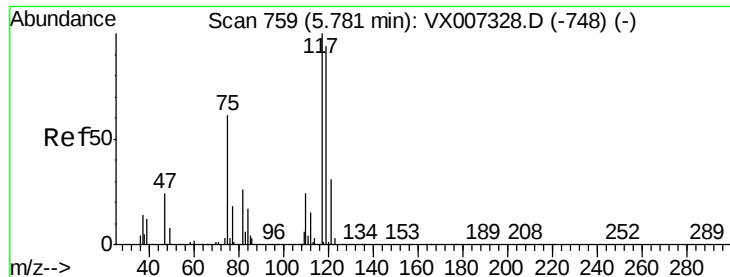


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.712 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

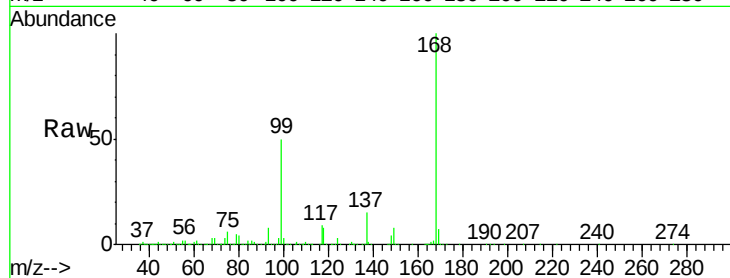
Tot Ion:117 Resp: 46656

Ion Ratio Lower Upper

117 100

119 4.7 75.3 112.9#

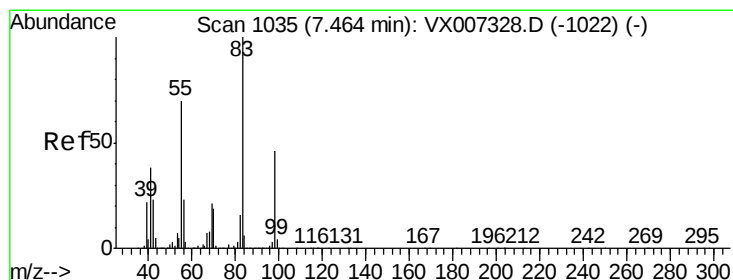
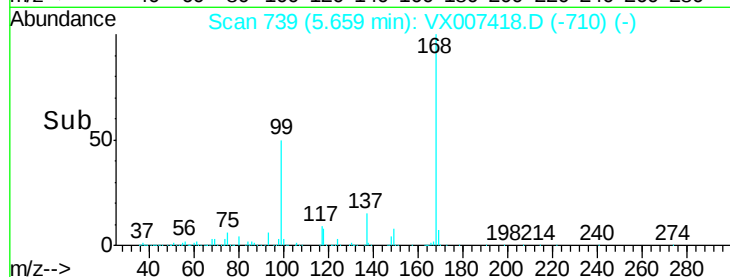
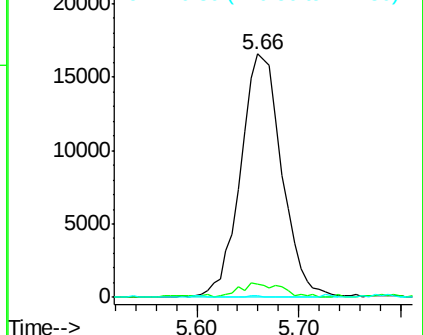
121 0.5 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.332 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

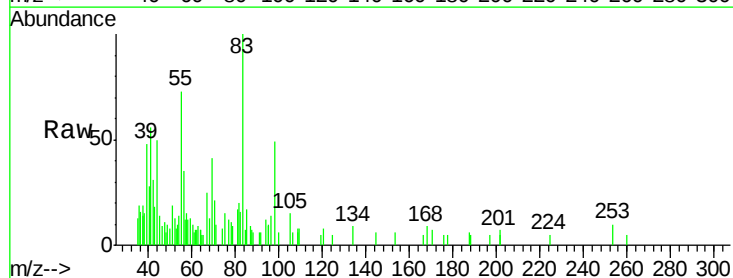
Tgt Ion: 83 Resp: 2876

Ion Ratio Lower Upper

83 100

55 64.0 56.2 84.2

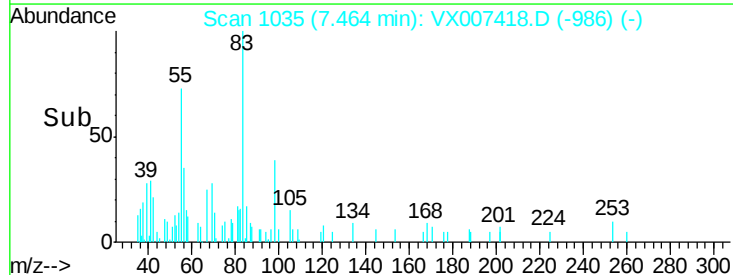
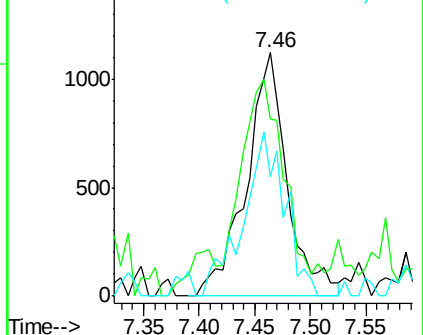
98 49.2 36.8 55.2

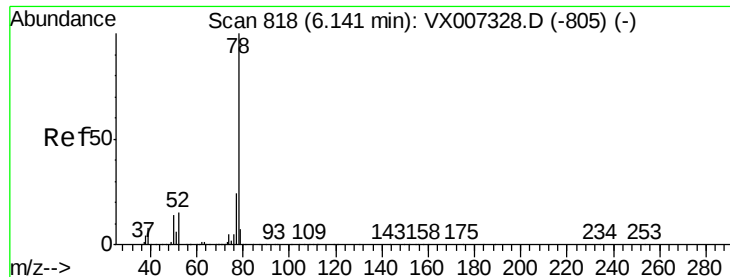


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.315 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

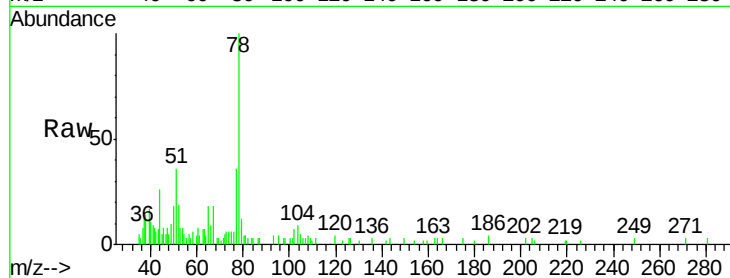
MW-11DL

Tot Ion: 78 Resp: 6648

Ion Ratio Lower Upper

78 100

77 32.2 19.3 28.9#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

2500

2000

1500

1000

500

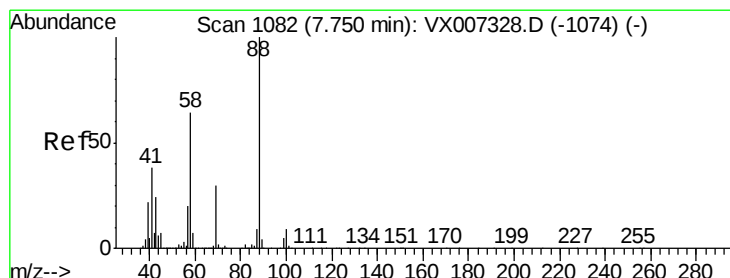
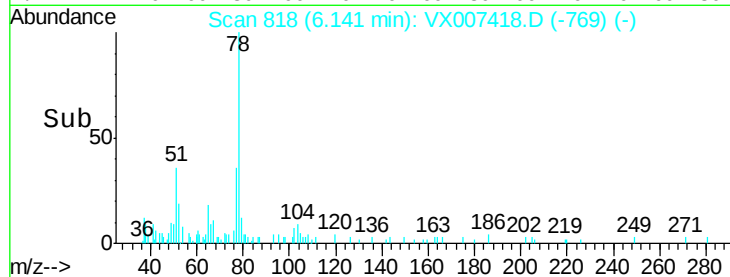
0

Time-->

6.00

6.10

6.20



#49

1,4-Dioxane

Concen: 8.691 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

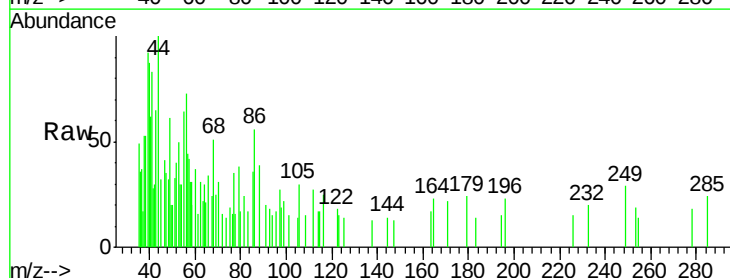
Tgt Ion: 88 Resp: 232

Ion Ratio Lower Upper

88 100

43 97.4 24.2 36.4#

58 59.1 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

500

400

300

200

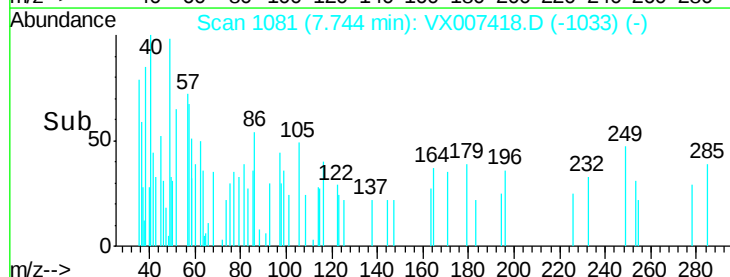
100

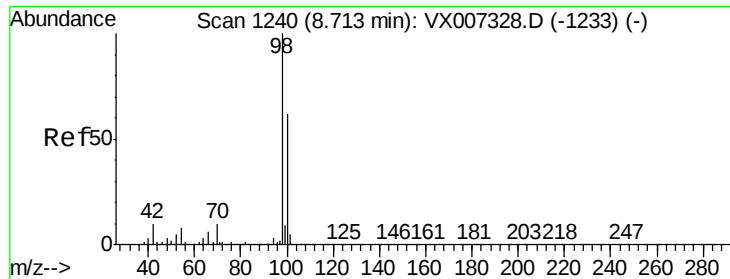
0

Time-->

7.70

7.75





#50

Toluene-d8

Concen: 49.635 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

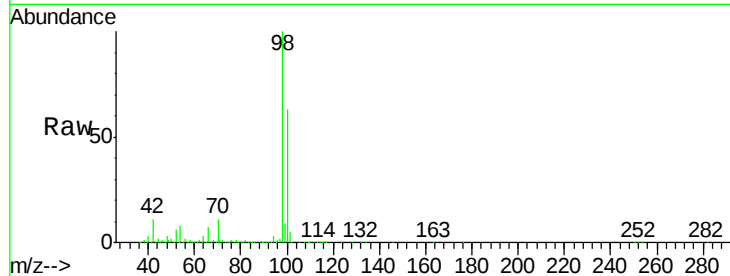
MW-11DL

Tot Ion: 98 Resp: 956870

Ion Ratio Lower Upper

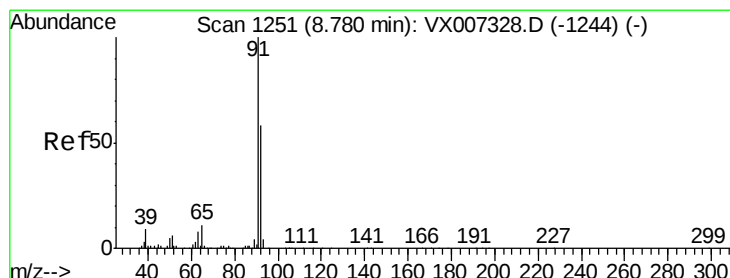
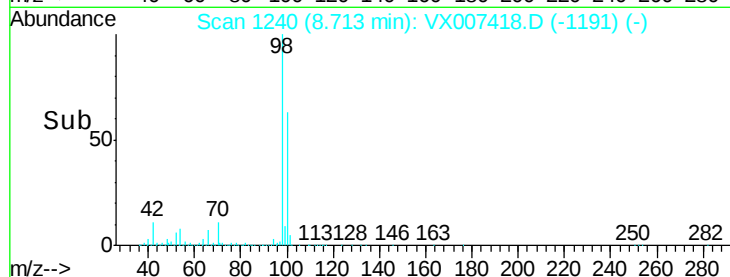
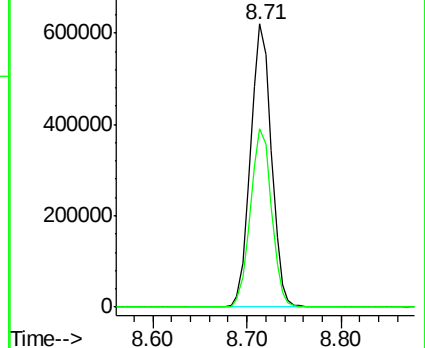
98 100

100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 8.842 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007418.D

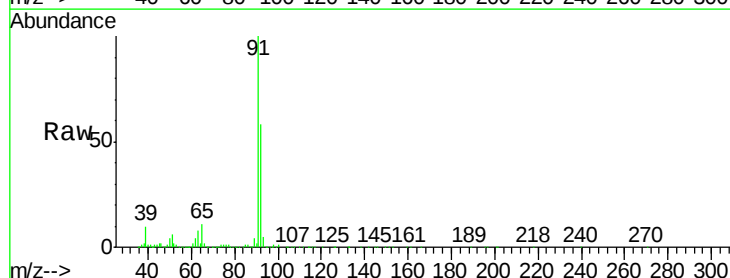
Acq: 07 Feb 2019 12:03

Tgt Ion: 92 Resp: 120408

Ion Ratio Lower Upper

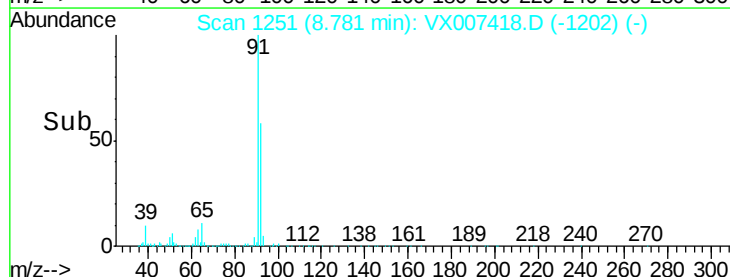
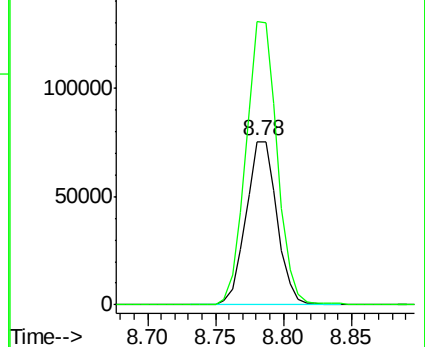
92 100

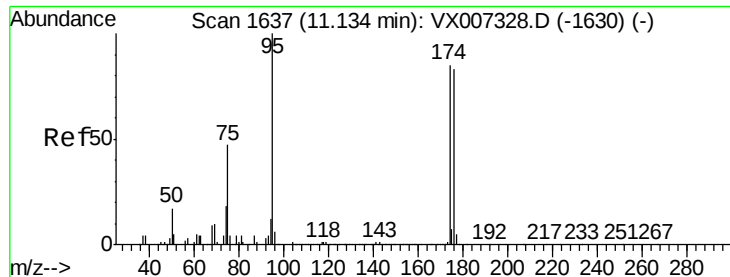
91 174.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.764 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

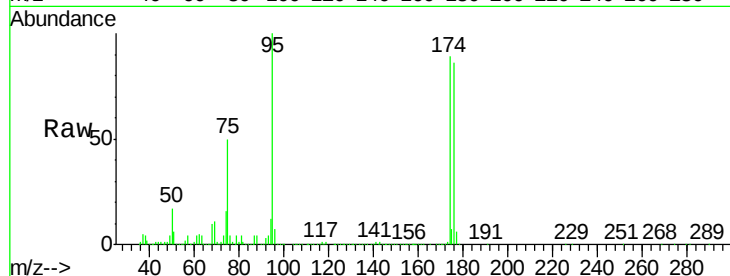
Tot Ion: 95 Resp: 343223

Ion Ratio Lower Upper

95 100

174 94.4 0.0 189.2

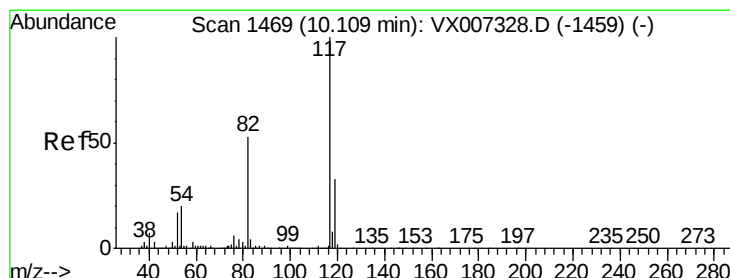
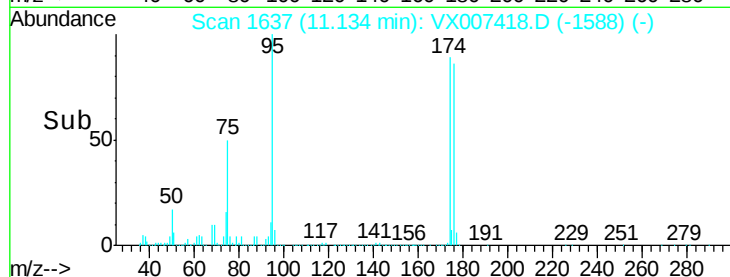
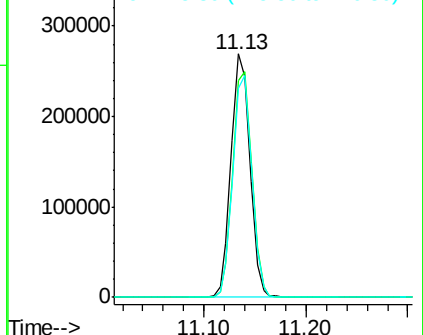
176 91.9 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

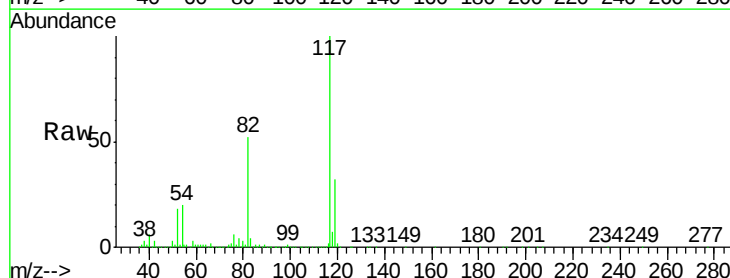
Tgt Ion: 117 Resp: 754312

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

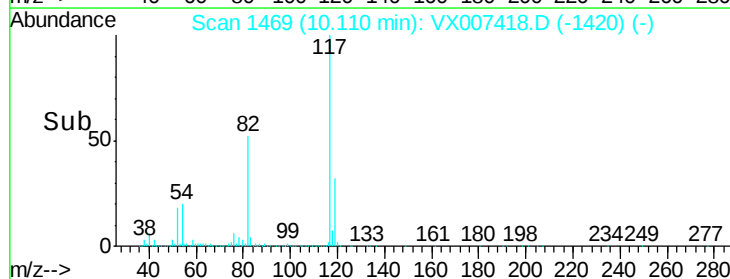
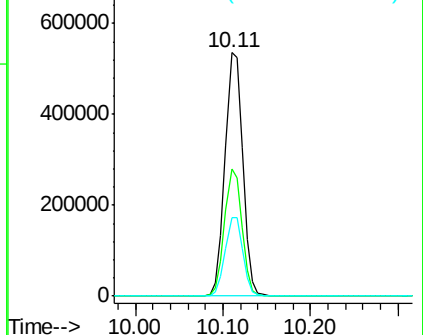
119 32.5 26.5 39.7

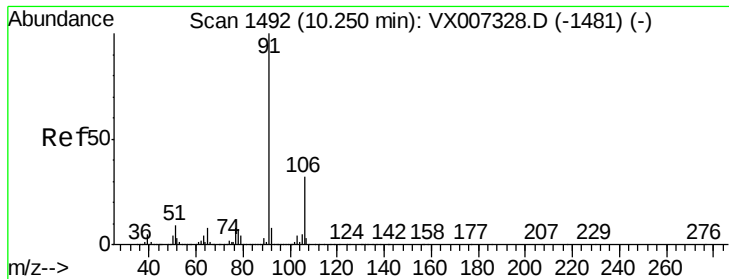


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 1.663 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

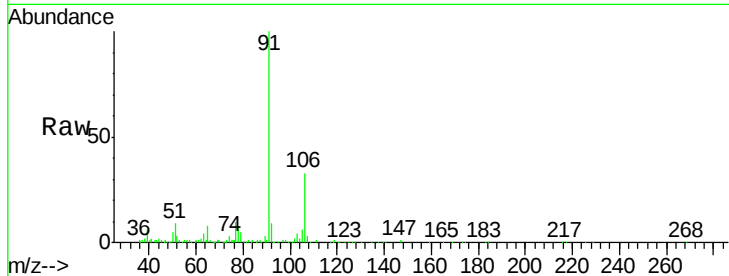
MW-11DL

Tot Ion: 91 Resp: 44093

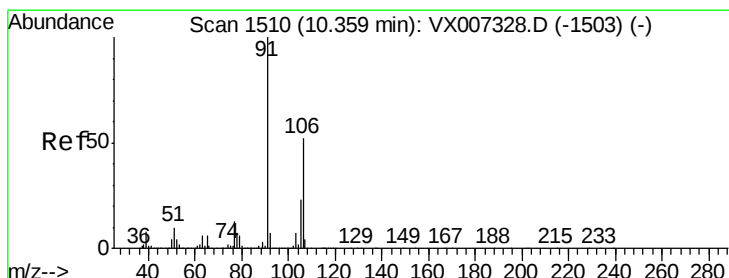
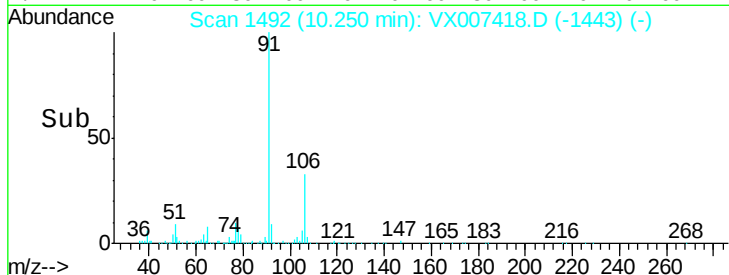
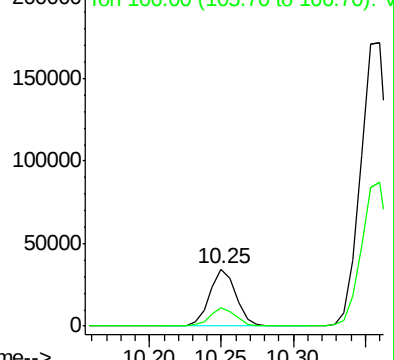
Ion Ratio Lower Upper

91 100

106 33.0 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX007418.D (-1443) (-)



#68

m/p-Xylenes

Concen: 11.338 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007418.D

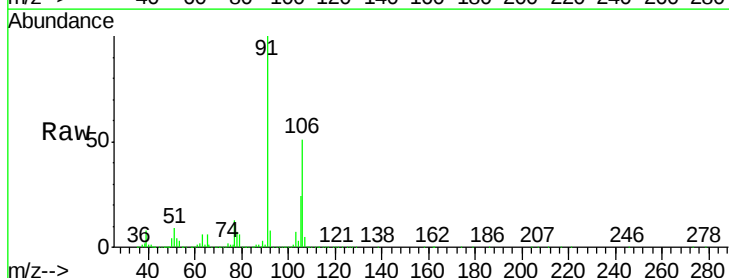
Acq: 07 Feb 2019 12:03

Tgt Ion: 106 Resp: 119467

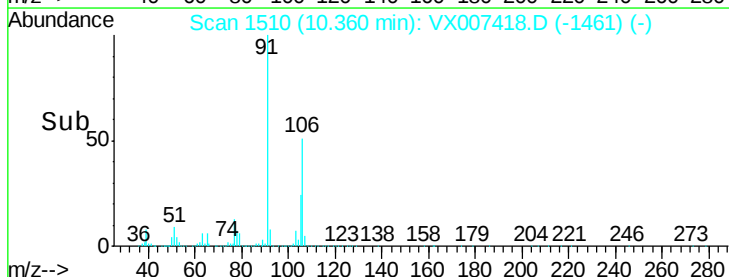
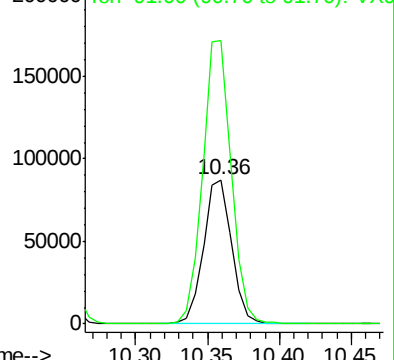
Ion Ratio Lower Upper

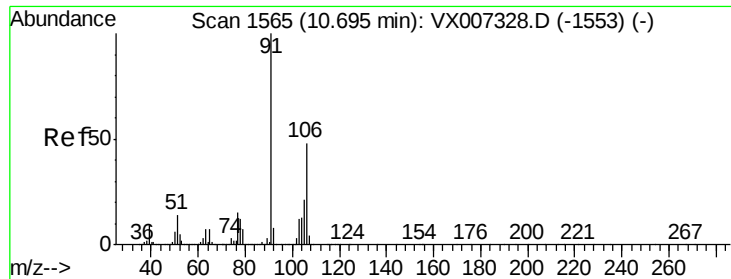
106 100

91 199.2 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): VX007418.D (-1461) (-)

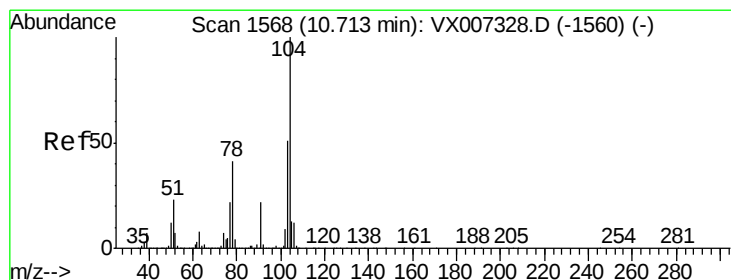
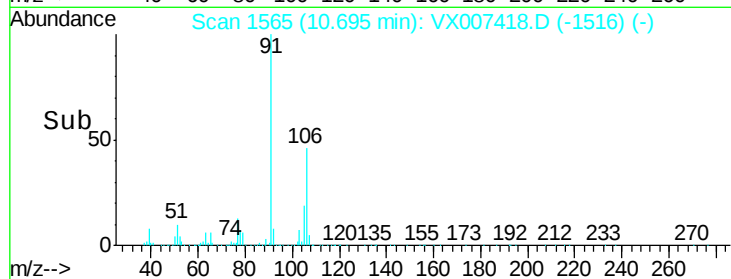
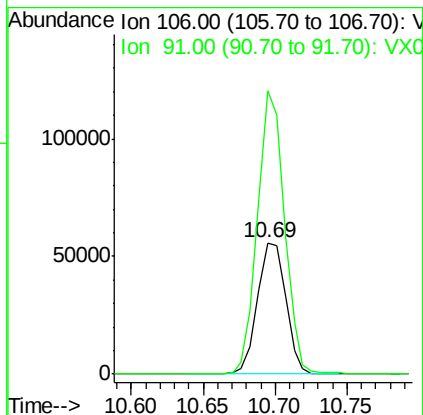
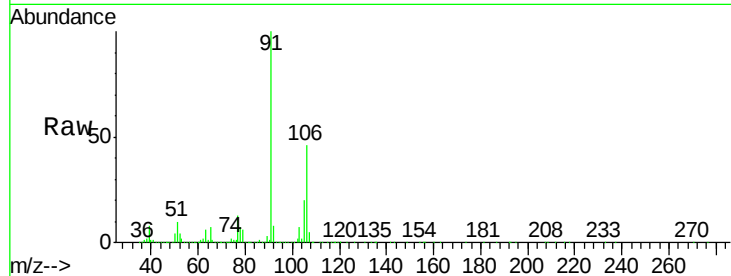




#69
o-Xylene
Concen: 7.477 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

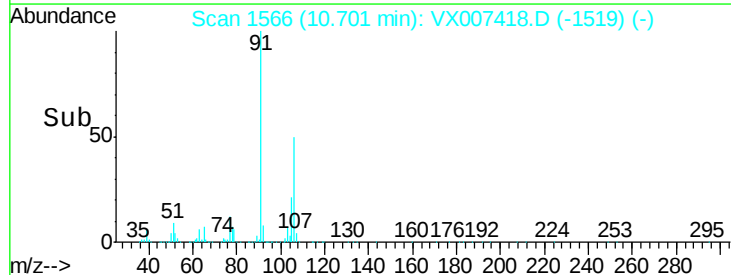
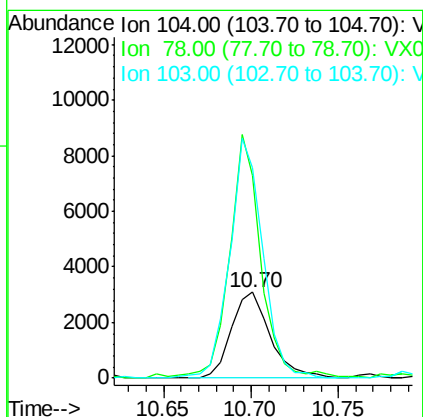
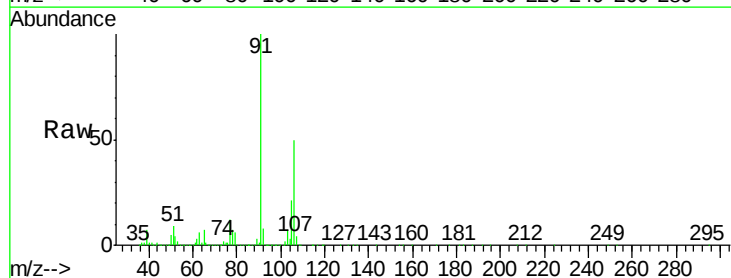
Instrument :
MSVOA_X
ClientSampled :
MW-11DL

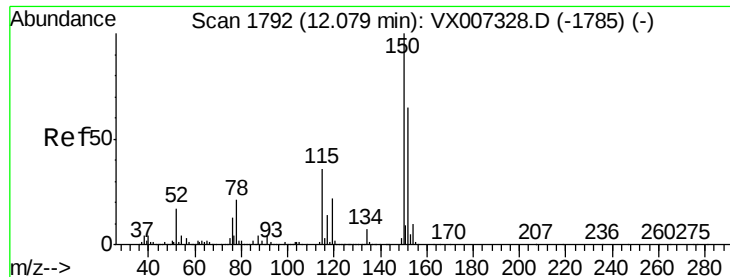
Tot Ion:106 Resp: 75817
Ion Ratio Lower Upper
106 100
91 204.6 102.9 308.7



#70
Styrene
Concen: 0.291 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

Tgt Ion:104 Resp: 4785
Ion Ratio Lower Upper
104 100
78 230.7 38.3 57.5#
103 236.7 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: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

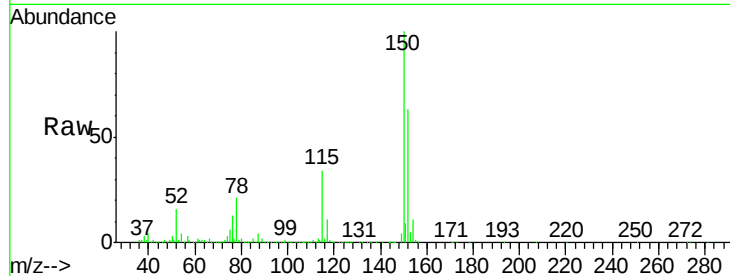
Tot Ion:152 Resp: 381799

Ion Ratio Lower Upper

152 100

115 54.6 38.0 114.0

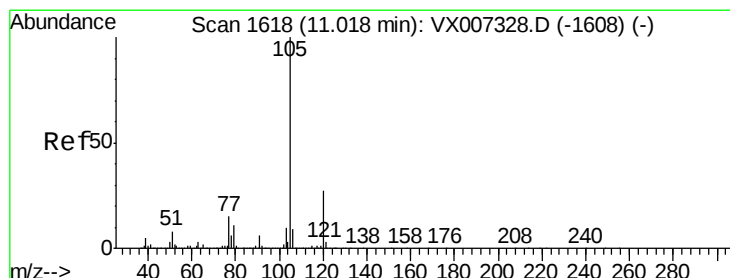
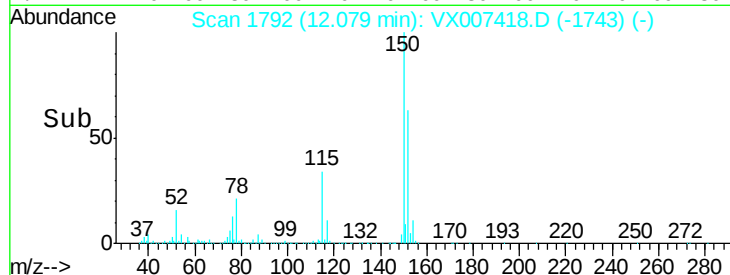
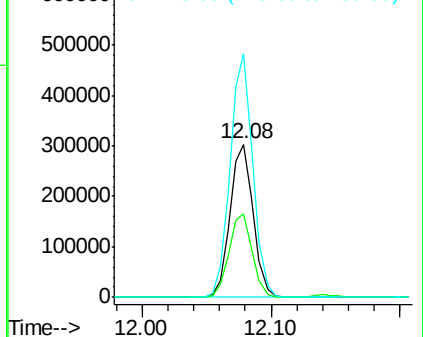
150 155.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.224 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007418.D

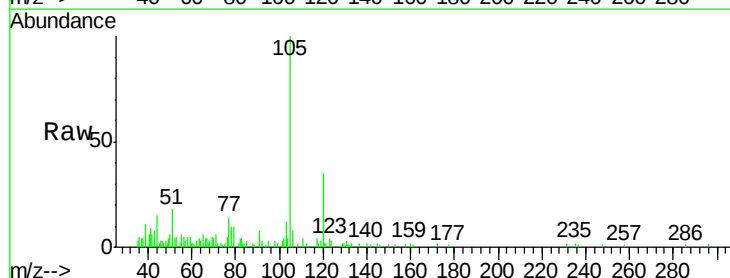
Acq: 07 Feb 2019 12:03

Tgt Ion:105 Resp: 5819

Ion Ratio Lower Upper

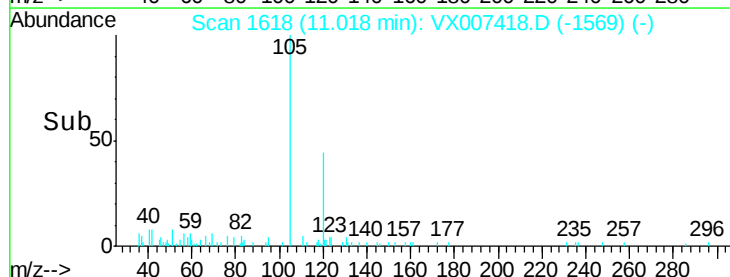
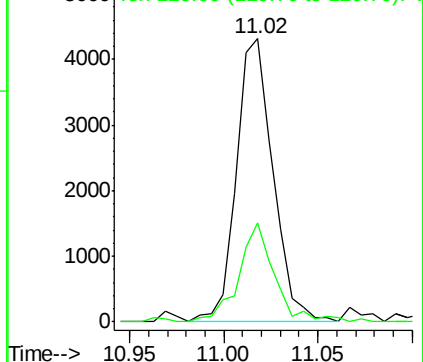
105 100

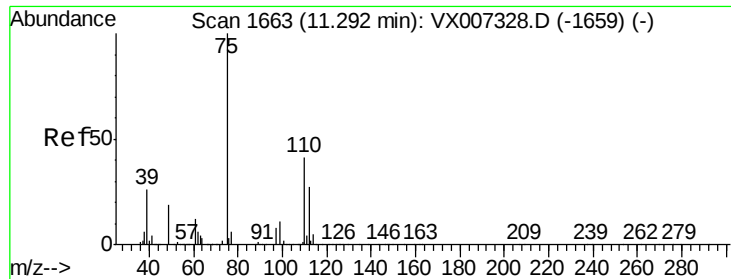
120 34.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 22.523 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

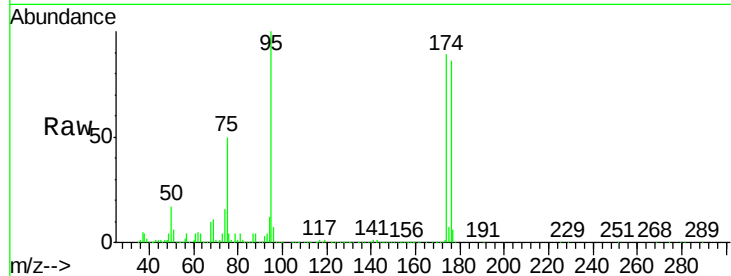
MW-11DL

Tot Ion: 75 Resp: 167266

Ion Ratio Lower Upper

75 100

77 1.6 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

150000

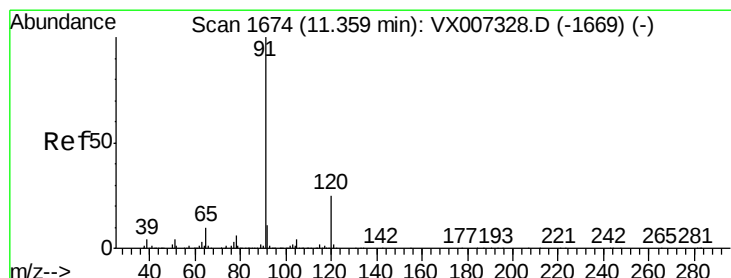
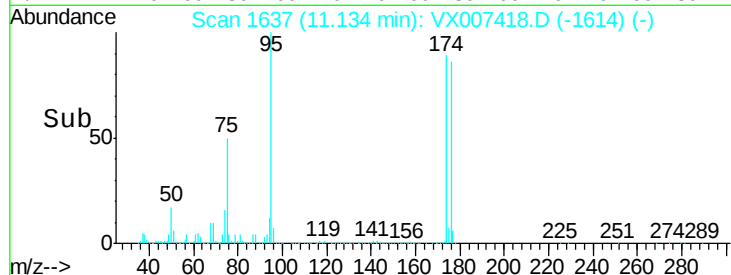
100000

50000

0

Time-->

11.10 11.20



#78

n-propylbenzene

Concen: 0.527 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007418.D

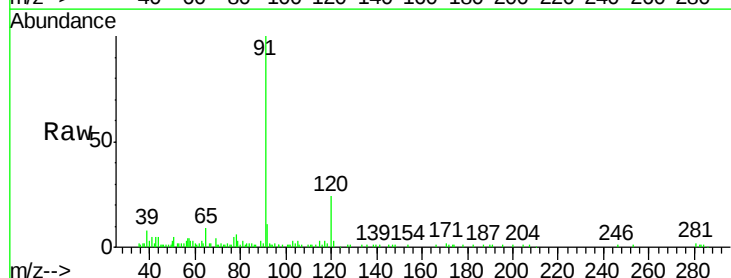
Acq: 07 Feb 2019 12:03

Tgt Ion: 91 Resp: 14991

Ion Ratio Lower Upper

91 100

120 25.4 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

30000

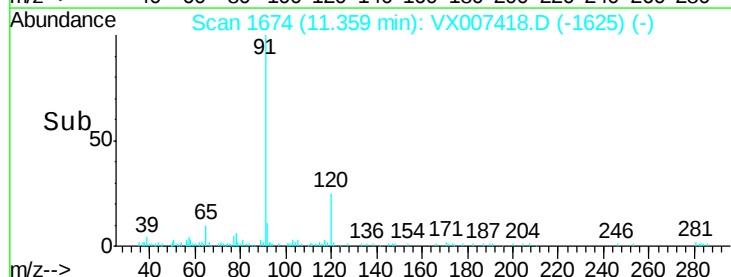
20000

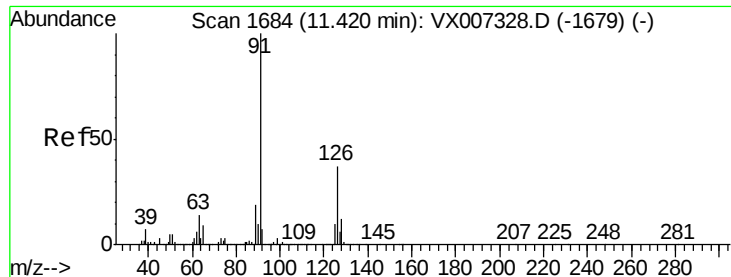
10000

0

Time-->

11.30 11.35 11.40





#79

2-Chlorotoluene

Concen: 1.267 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

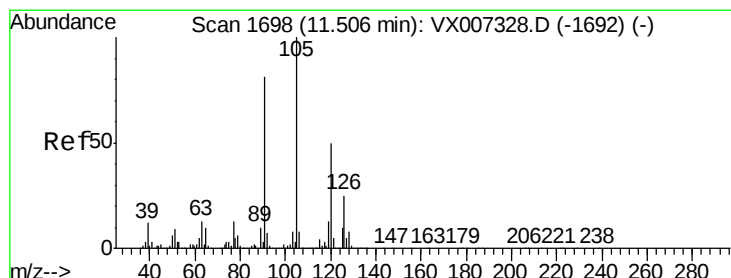
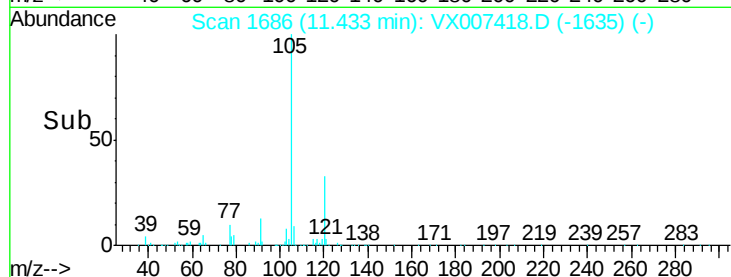
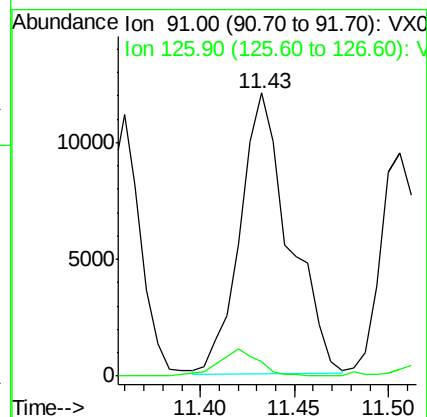
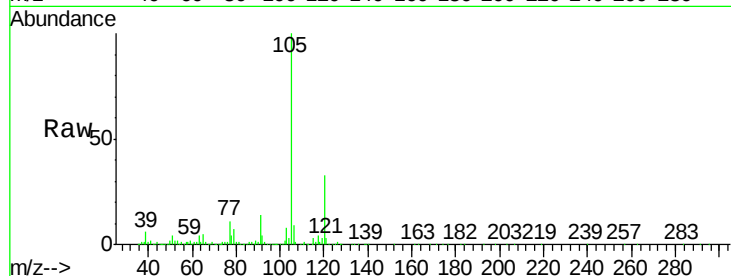
MW-11DL

Tot Ion: 91 Resp: 21874

Ion Ratio Lower Upper

91 100

126 7.8 18.7 56.1#



#80

1,3,5-Trimethylbenzene

Concen: 5.907 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007418.D

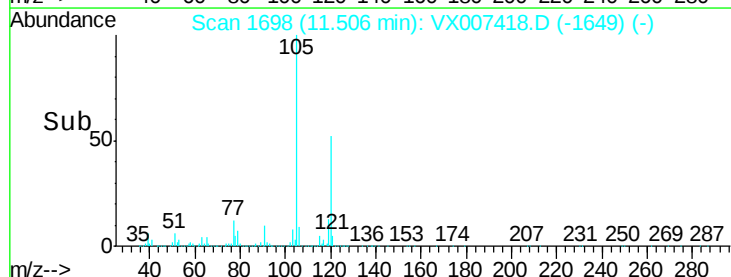
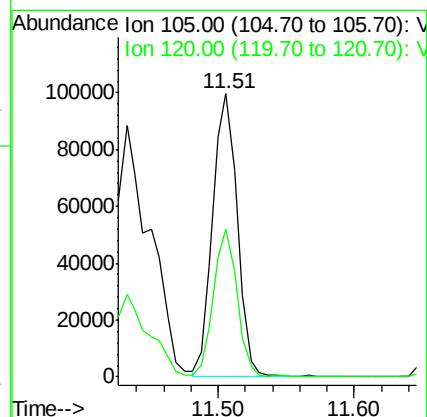
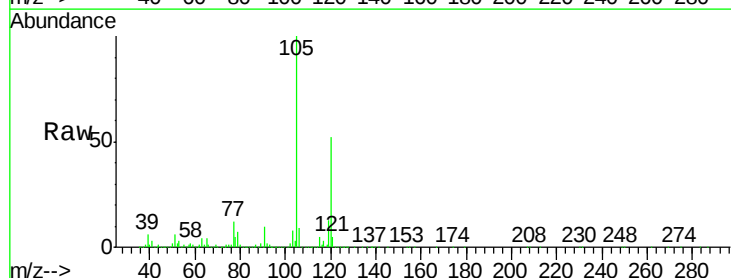
Acq: 07 Feb 2019 12:03

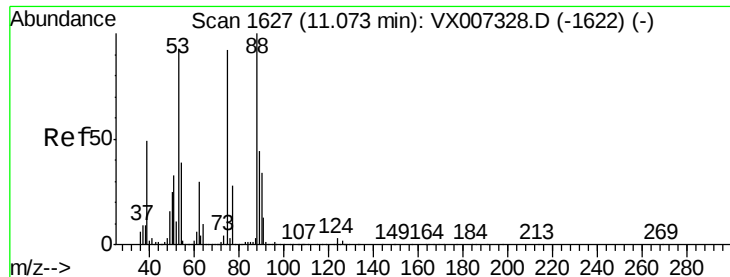
Tgt Ion: 105 Resp: 125374

Ion Ratio Lower Upper

105 100

120 50.3 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 67.957 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

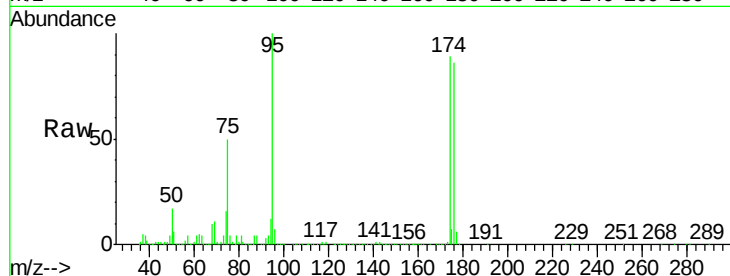
Tot Ion: 75 Resp: 167266

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.6#

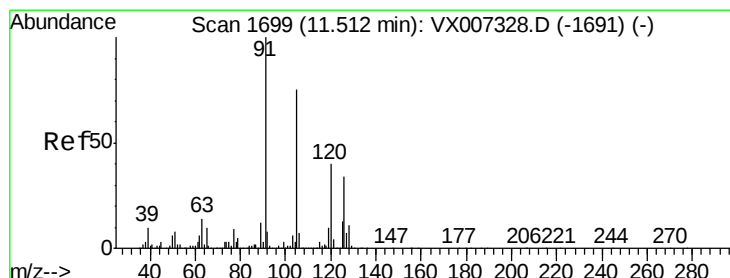
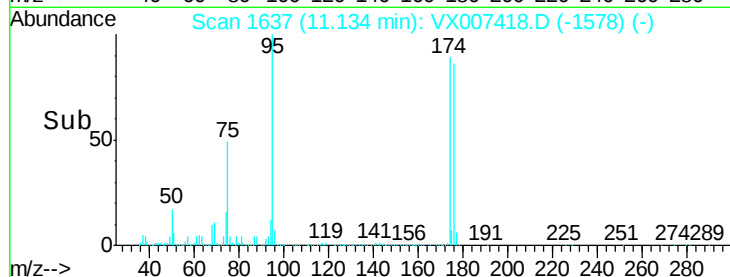
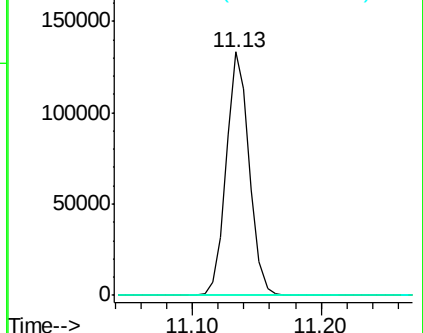
89 0.1 41.4 62.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.638 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007418.D

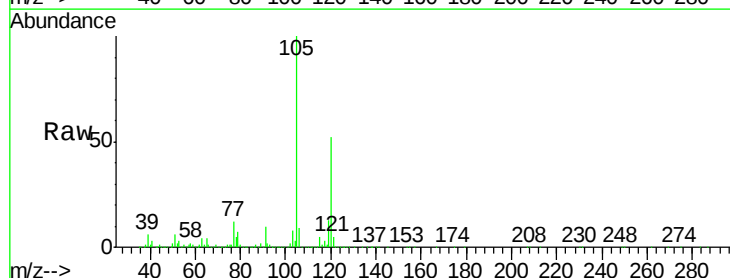
Acq: 07 Feb 2019 12:03

Tgt Ion: 91 Resp: 12746

Ion Ratio Lower Upper

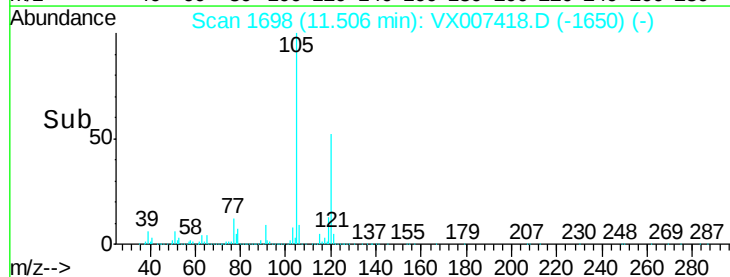
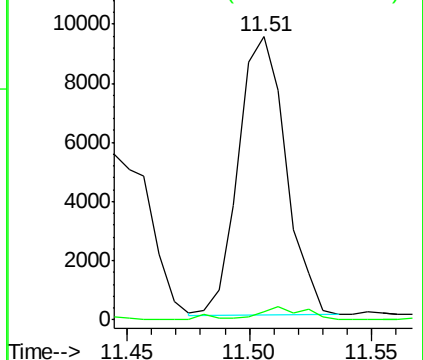
91 100

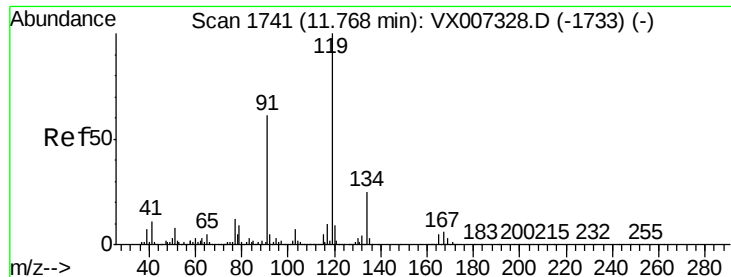
126 4.7 16.2 48.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.359 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

MW-11DL

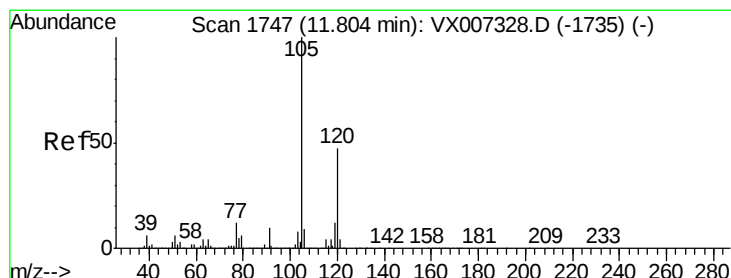
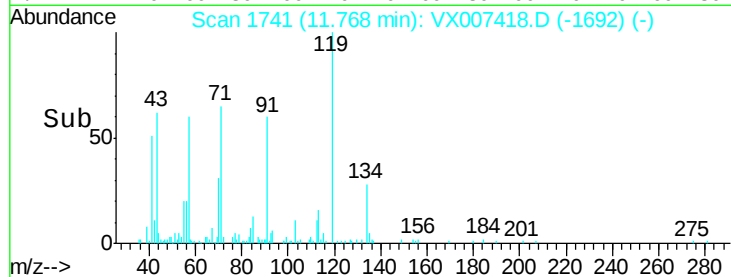
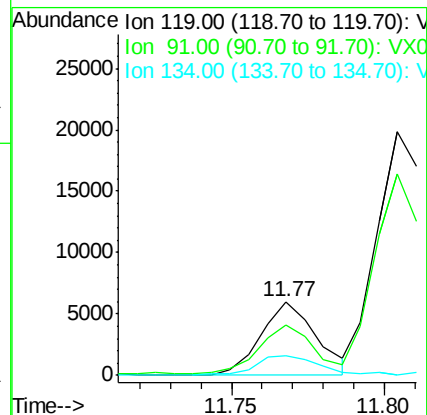
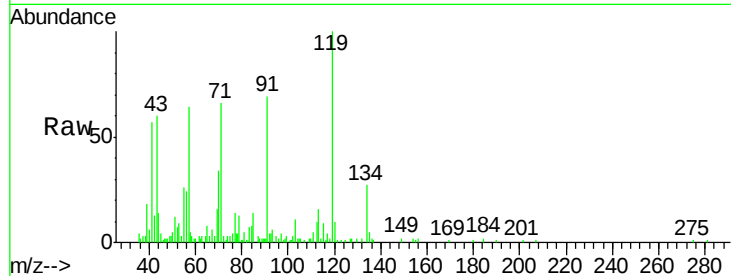
Tot Ion:119 Resp: 7547

Ion Ratio Lower Upper

119 100

91 67.8 28.5 85.6

134 30.1 12.0 36.0



#84

1,2,4-Trimethylbenzene

Concen: 8.948 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007418.D

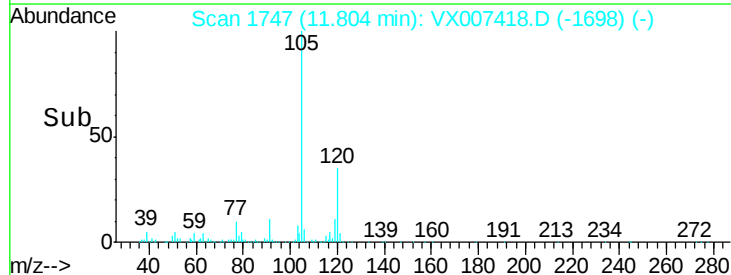
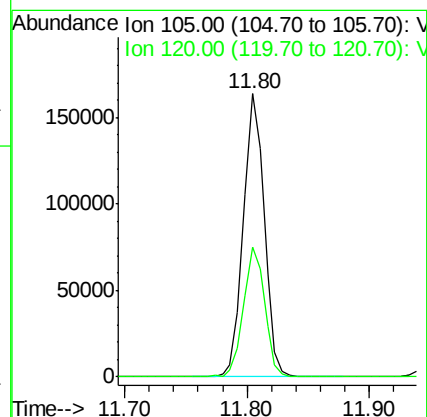
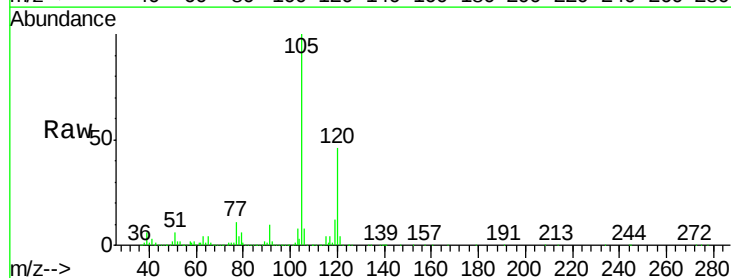
Acq: 07 Feb 2019 12:03

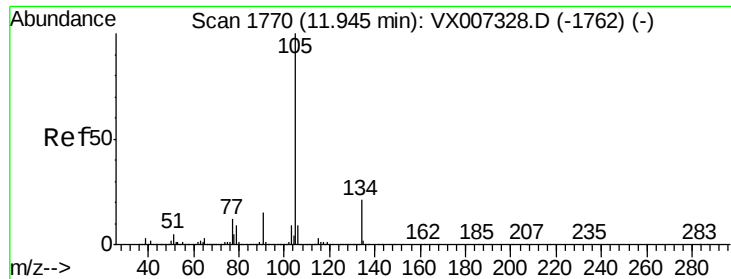
Tgt Ion:105 Resp: 192836

Ion Ratio Lower Upper

105 100

120 47.1 23.1 69.3

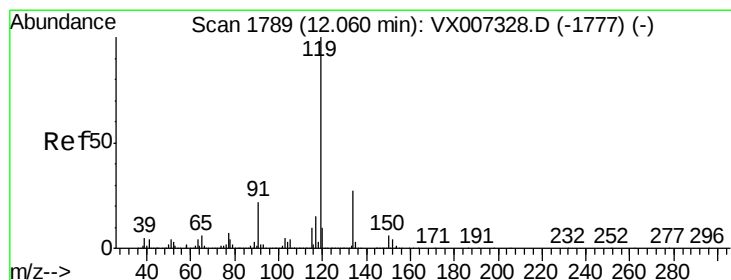
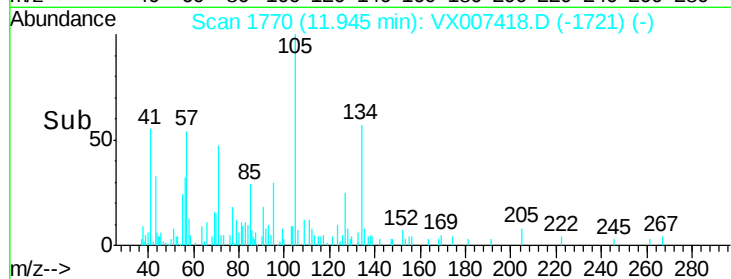
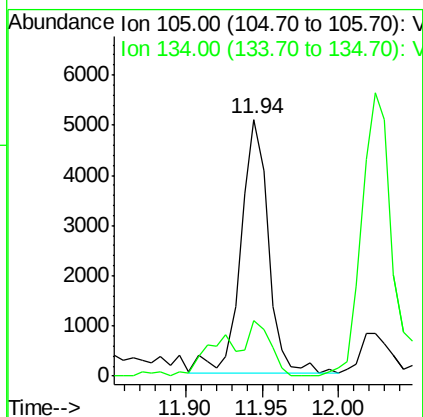
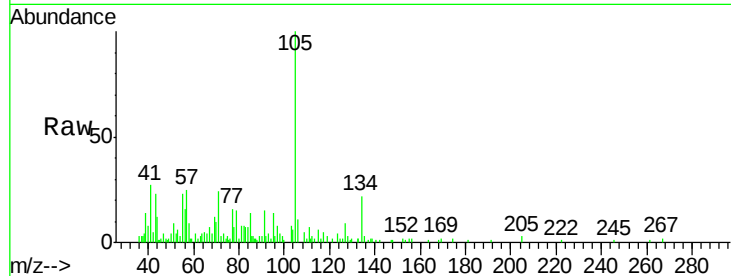




#85
 sec-Butylbenzene
 Concen: 0.247 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007418.D
 Acq: 07 Feb 2019 12:03

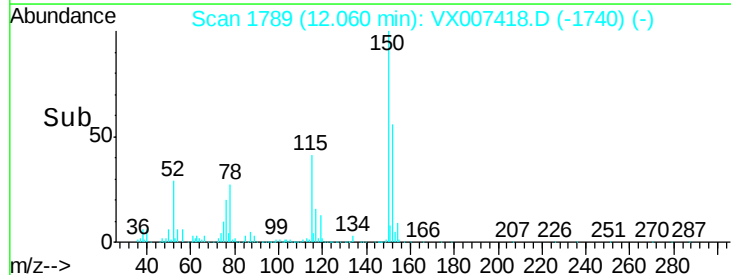
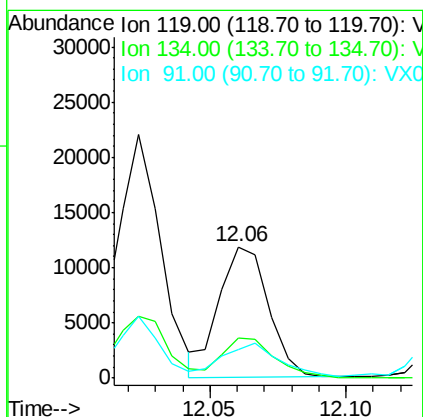
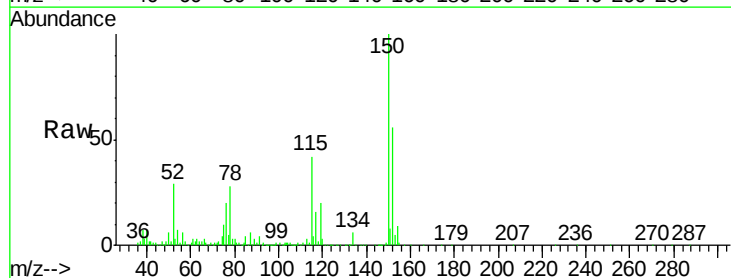
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11DL

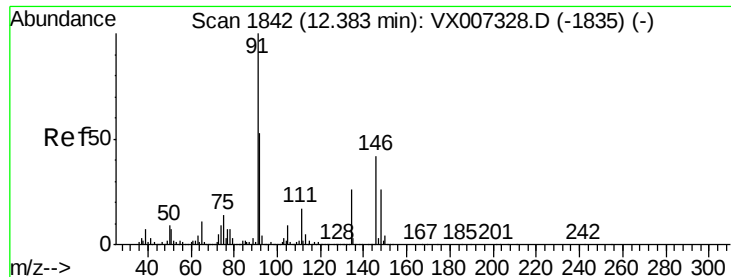
Tot Ion:105 Resp: 6289
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 0.646 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007418.D
 Acq: 07 Feb 2019 12:03

Tgt Ion:119 Resp: 14837
 Ion Ratio Lower Upper
 119 100
 134 32.4 13.7 41.1
 91 27.7 11.2 33.5

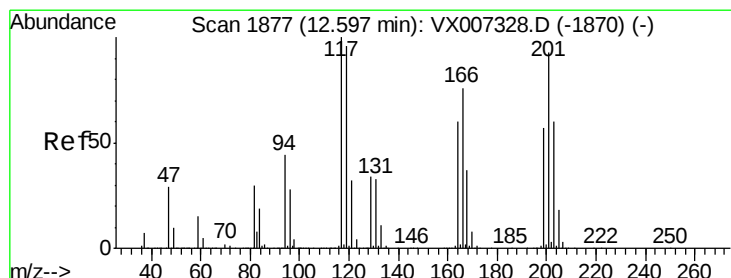
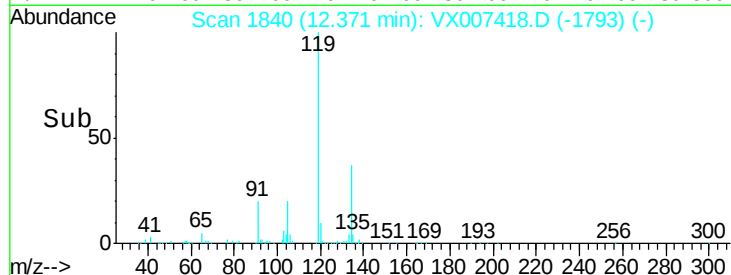
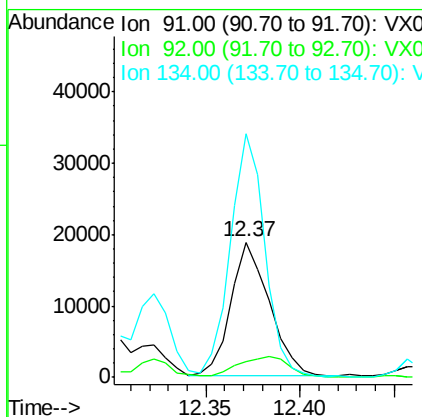
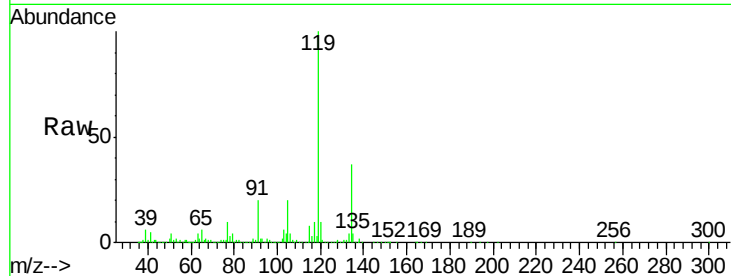




#89
n-Butylbenzene
Concen: 1.350 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

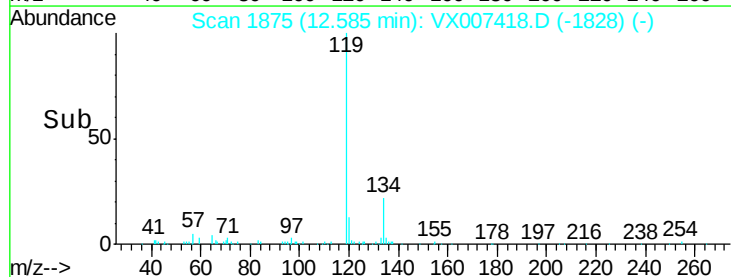
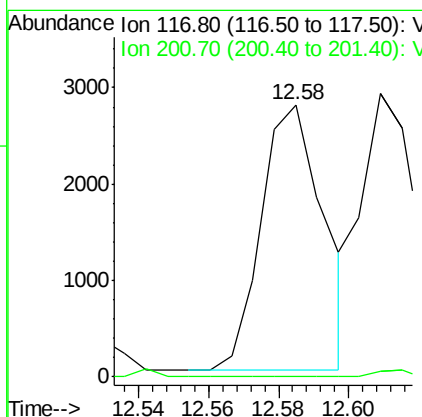
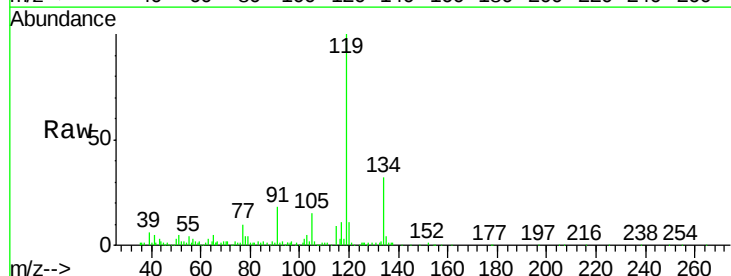
Instrument :
MSVOA_X
ClientSampled :
MW-11DL

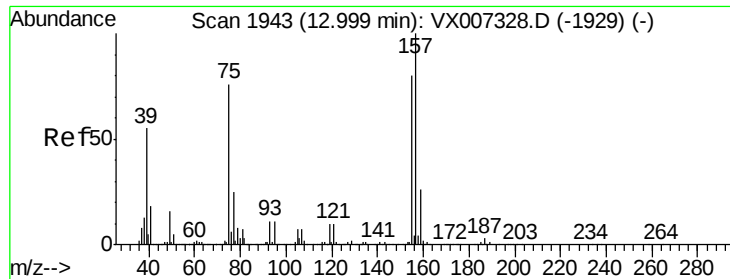
Tot Ion: 91 Resp: 26665
Ion Ratio Lower Upper
91 100
92 20.3 26.3 78.9#
134 162.3 13.9 41.6#



#90
Hexachloroethane
Concen: 0.994 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

Tgt Ion: 117 Resp: 3415
Ion Ratio Lower Upper
117 100
201 0.0 44.9 134.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.371 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

MW-11DL

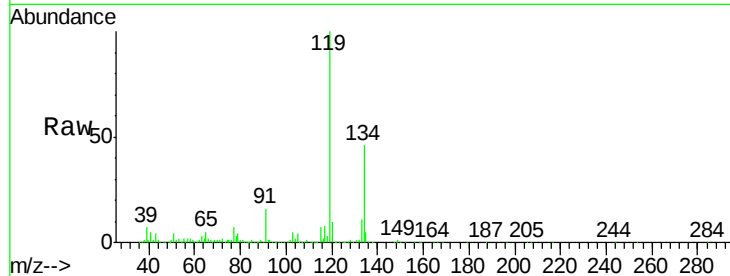
Tot Ion: 75 Resp: 610

Ion Ratio Lower Upper

75 100

155 11.0 49.6 149.0#

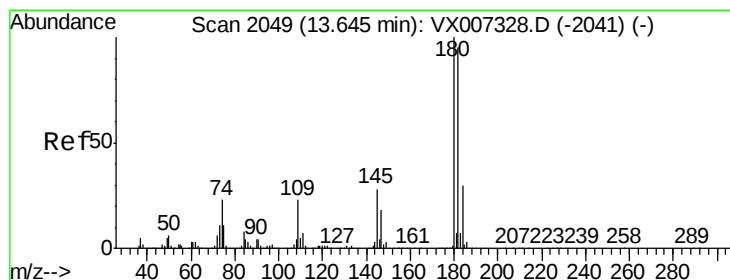
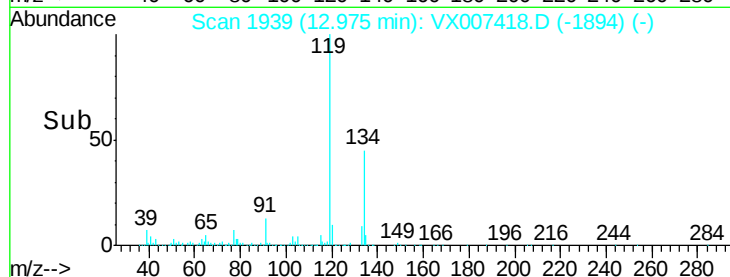
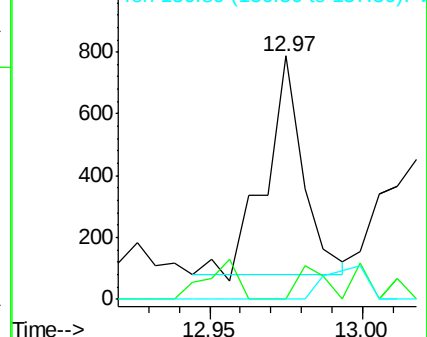
157 0.0 65.1 195.3#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.204 ug/l

RT: 13.65 min Scan# 2050

Delta R.T. 0.01 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

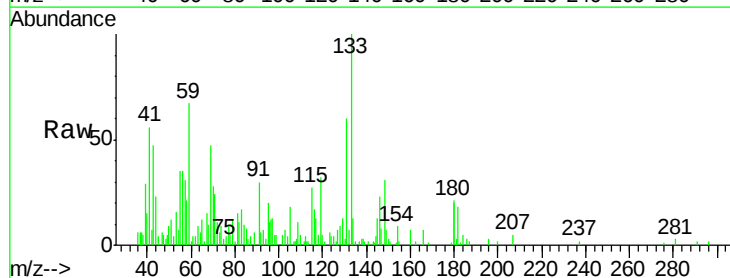
Tgt Ion:180 Resp: 1799

Ion Ratio Lower Upper

180 100

182 77.8 47.8 143.3

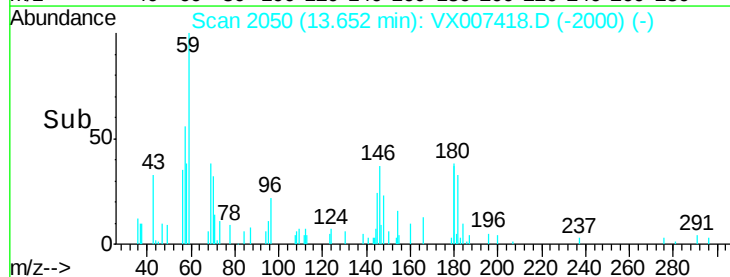
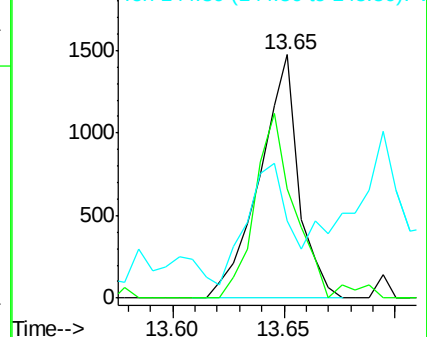
145 63.3 14.1 42.2#

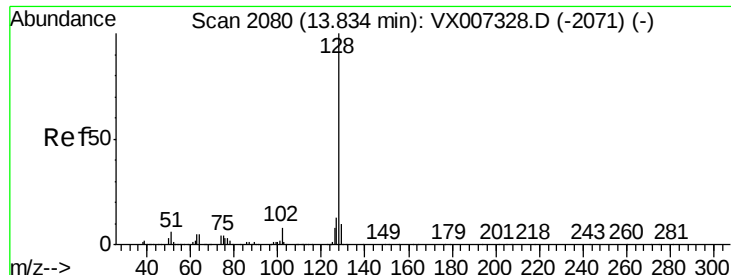


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 2.345 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

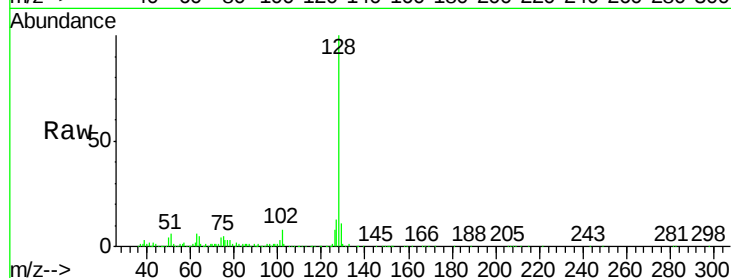
Tot Ion:128 Resp: 60385

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

129 12.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

