

Data File : VX001726.D

Acq On : 14 May 2018 23:10

Operator : JC/MD

Sample : J2833-03

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Time: May 15 05:40:52 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	384969	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	337598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	215307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	175027	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
35) Dibromofluoromethane	5.51	113	143020	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	
50) Toluene-d8	8.72	98	533519	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
62) 4-Bromofluorobenzene	11.14	95	185254	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	488	Below Cal	#	66
6) Chloroethane	1.92	64	878	0.42	ug/l #	56
11) Tert butyl alcohol	3.08	59	10725	15.85	ug/l	96
13) Acrolein	2.26	56	2507	5.22	ug/l #	1
14) Allyl chloride	2.78	41	2307	0.44	ug/l #	27
15) Acrylonitrile	3.15	53	680	0.40	ug/l #	49
16) Acetone	2.45	43	13098	8.75	ug/l	96
17) Carbon Disulfide	2.58	76	7845	1.07	ug/l	98
18) Methyl Acetate	2.77	43	1936	0.44	ug/l #	69
19) Methyl tert-butyl Ether	3.21	73	23131	2.44	ug/l	95
20) Methylene Chloride	2.86	84	955	0.30	ug/l #	72
22) Diisopropyl ether	3.88	45	26997	2.71	ug/l #	88
25) 2-Butanone	4.71	43	1094	0.48	ug/l #	88
29) Tetrahydrofuran	5.18	42	646	0.43	ug/l	90
31) Cyclohexane	5.57	56	20509	4.28	ug/l	99
38) Carbon Tetrachloride	5.67	117	24075	5.19	ug/l #	15
39) Methylcyclohexane	7.46	83	3656	0.71	ug/l	98
40) Benzene	6.15	78	614612	47.07	ug/l	100
42) 1,2-Dichloroethane	6.20	62	4670	0.99	ug/l	81
43) Isopropyl Acetate	6.40	43	3136	0.43	ug/l #	62
49) 1,4-Dioxane	7.76	88	2943	40.17	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1790	0.39	ug/l	96
52) Toluene	8.79	92	85238	10.16	ug/l	100
65) Chlorobenzene	10.14	112	5902	0.64	ug/l	100
67) Ethyl Benzene	10.26	91	516436	34.80	ug/l	100
68) m/p-Xylenes	10.37	106	234252	40.01	ug/l	99
69) o-Xylene	10.70	106	82055	14.63	ug/l	99
70) Styrene	10.70	104	4859	0.53	ug/l #	1
73) Isopropylbenzene	11.02	105	31786	2.24	ug/l	100
74) N-amyl acetate	6.40	43	3136	0.46	ug/l #	57
76) 1,2,3-Trichloropropane	11.14	75	87572	21.39	ug/l #	40
78) n-propylbenzene	11.37	91	27105	1.70	ug/l	98
79) 2-Chlorotoluene	11.44	91	15653	1.64	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.51	105	50094	4.31	ug/l	99

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Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Time: May 15 05:40:52 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.14	75	87572	62.83	ug/l #	10
82) 4-Chlorotoluene	11.51	91	6778	0.60	ug/l #	53
83) tert-Butylbenzene	11.81	119	29070	2.51	ug/l #	64
84) 1,2,4-Trimethylbenzene	11.81	105	221762	18.41	ug/l	99
85) sec-Butylbenzene	11.81	105	221762	15.52	ug/l #	54
89) n-Butylbenzene	12.39	91	4631	0.40	ug/l #	30
90) Hexachloroethane	12.76	117	17033	8.29	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1271	0.21	ug/l #	89
95) Naphthalene	13.84	128	86729	5.45	ug/l	99

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

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ALS Vial : 23 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

MW-4

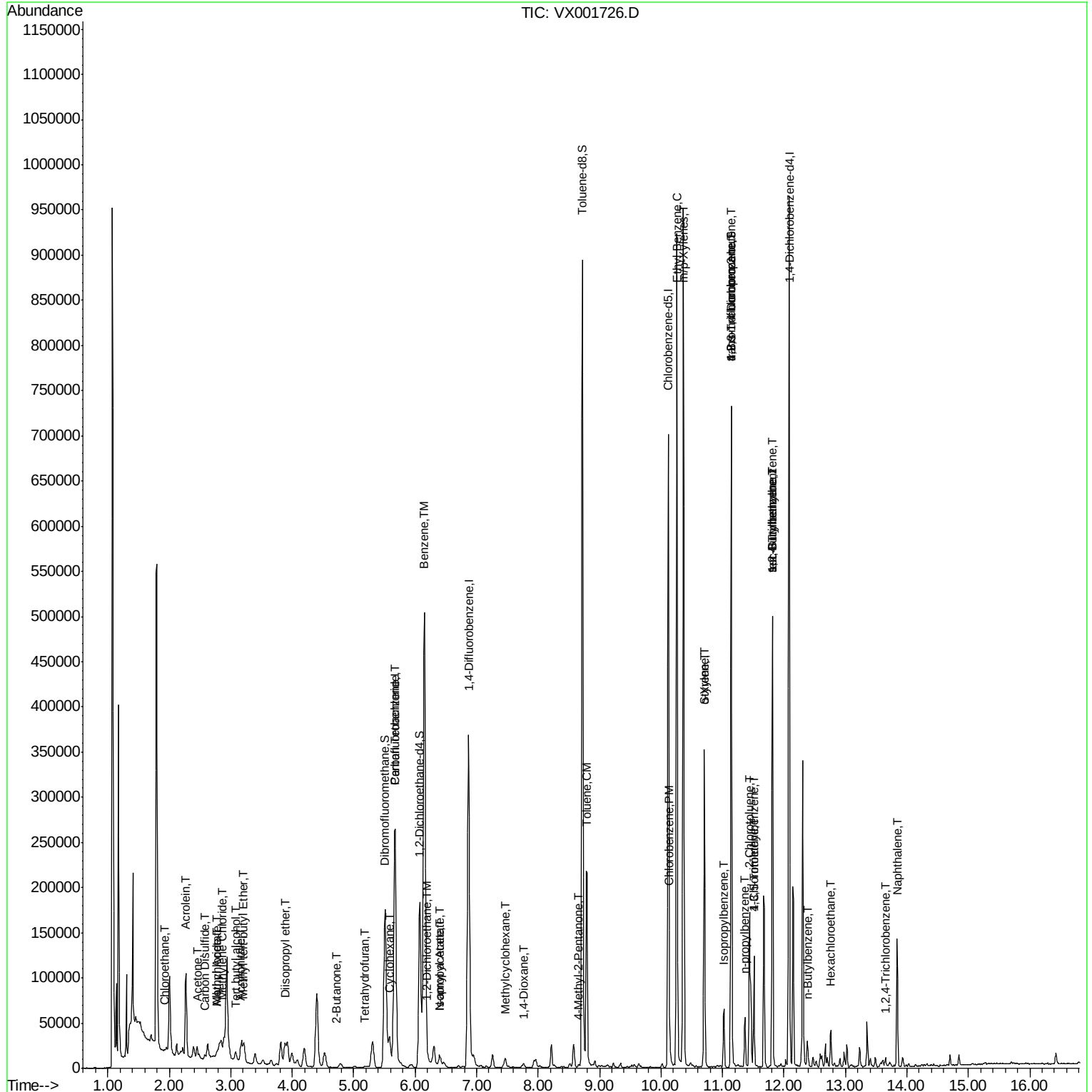
Quant Time: May 15 05:40:52 2018

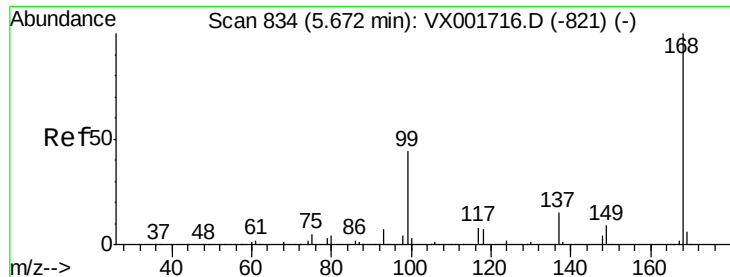
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

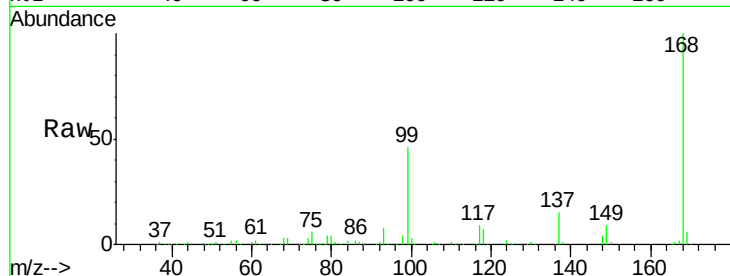
MW-4

Tgt Ion:168 Resp: 284290

Ion Ratio Lower Upper

168 100

99 45.6 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

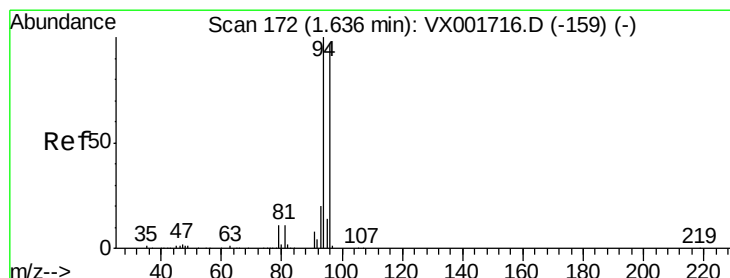
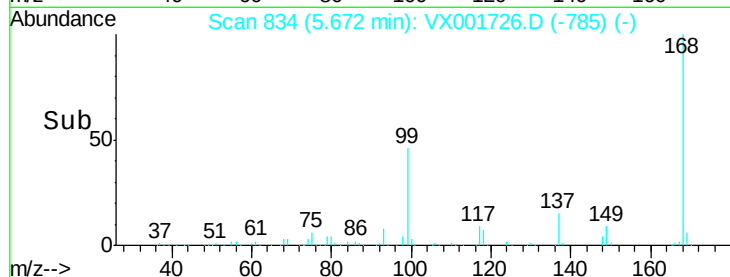
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001726.D

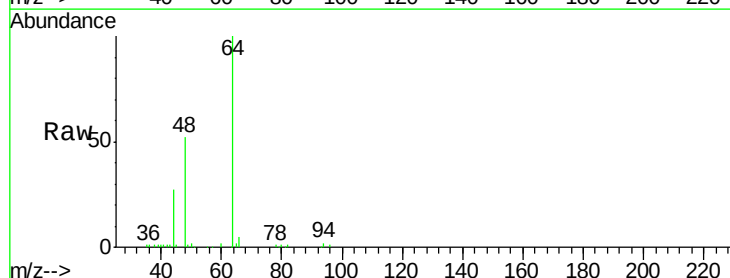
Acq: 14 May 2018 23:10

Tgt Ion: 94 Resp: 488

Ion Ratio Lower Upper

94 100

96 63.8 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

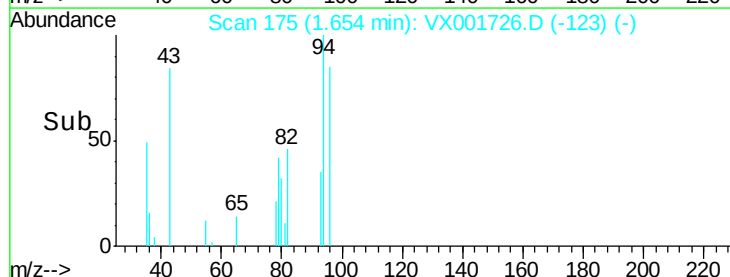
150

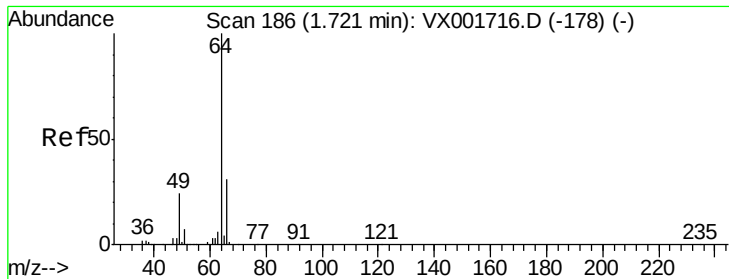
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.42 ug/l

RT: 1.92 min Scan# 219

Delta R.T. 0.20 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

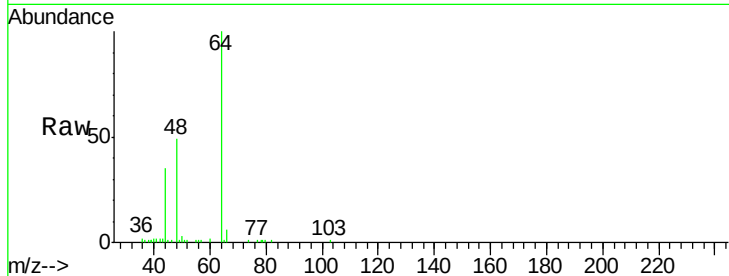
MW-4

Tgt Ion: 64 Resp: 878

Ion Ratio Lower Upper

64 100

66 7.2 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

10000

8000

6000

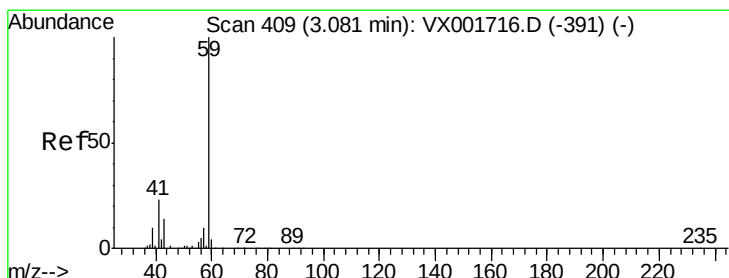
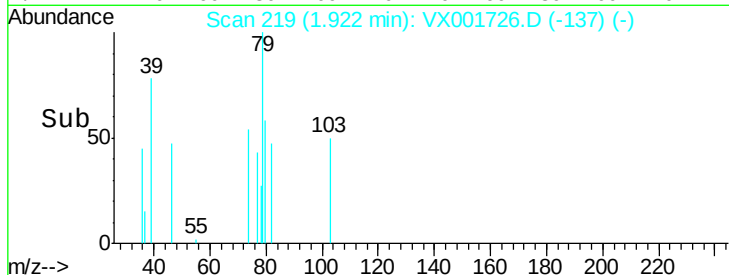
4000

2000

0

1.90 1.91 1.92 1.93

Time-->



#11

Tert butyl alcohol

Concen: 15.85 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX001726.D

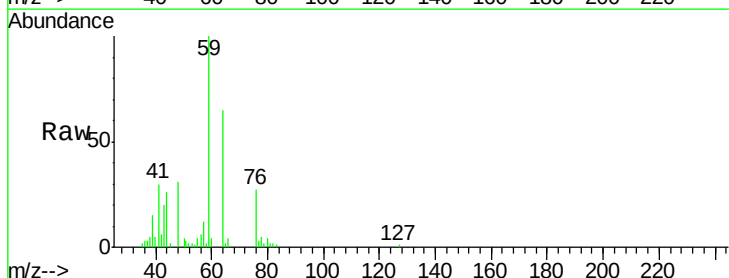
Acq: 14 May 2018 23:10

Tgt Ion: 59 Resp: 10725

Ion Ratio Lower Upper

59 100

57 12.3 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

6000

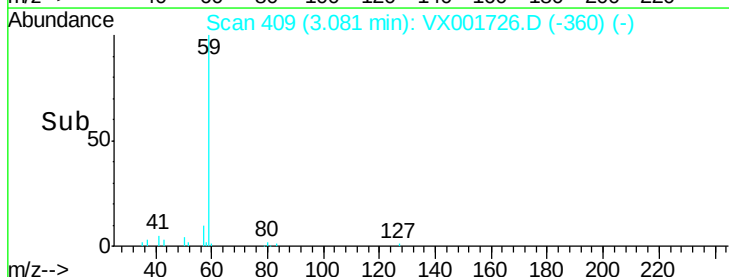
4000

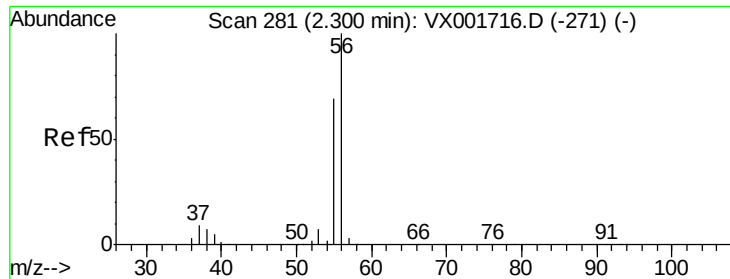
2000

0

3.00 3.10 3.20

Time-->





#13

Acrolein

Concen: 5.22 ug/l

RT: 2.26 min Scan# 275

Delta R.T. -0.04 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

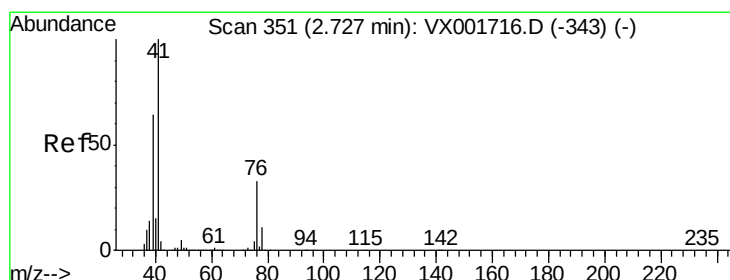
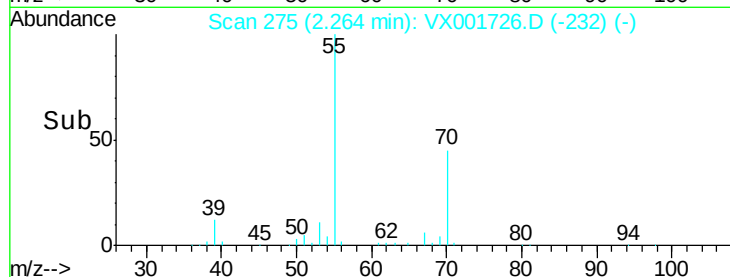
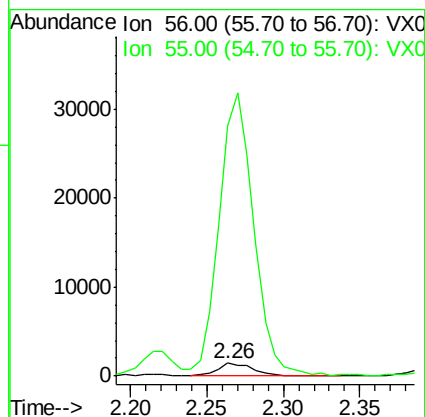
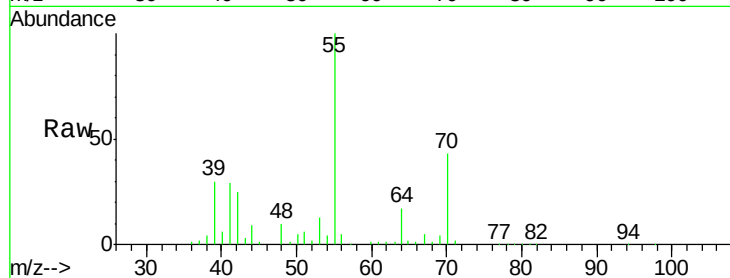
MW-4

Tgt Ion: 56 Resp: 2507

Ion Ratio Lower Upper

56 100

55 1980.6 56.2 84.2#



#14

Allyl chloride

Concen: 0.44 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.05 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

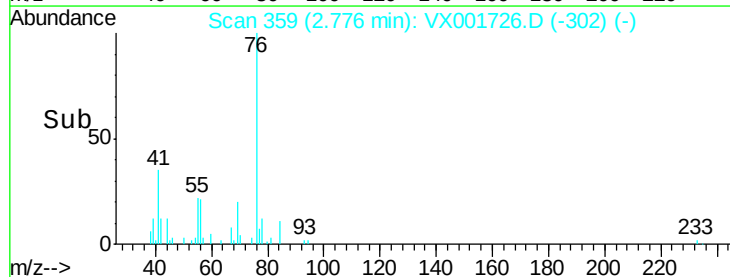
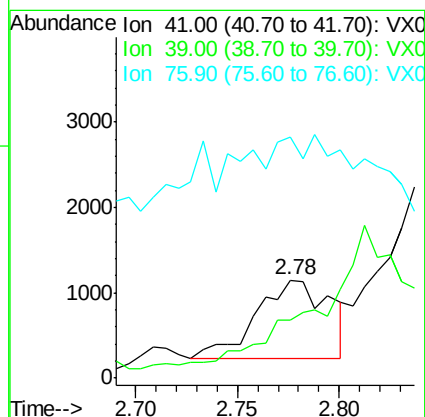
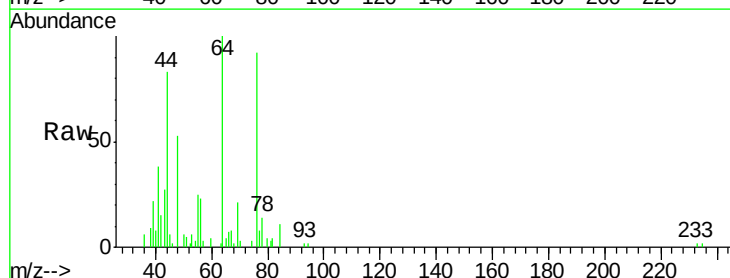
Tgt Ion: 41 Resp: 2307

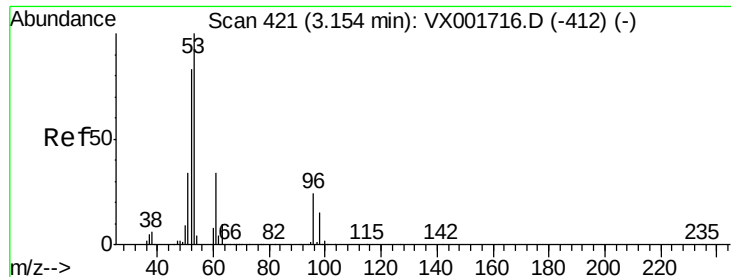
Ion Ratio Lower Upper

41 100

39 0.0 49.8 74.6#

76 0.0 25.8 38.8#





#15

Acrylonitrile

Concen: 0.40 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

MW-4

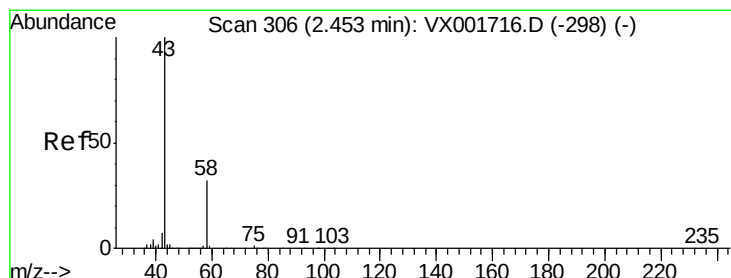
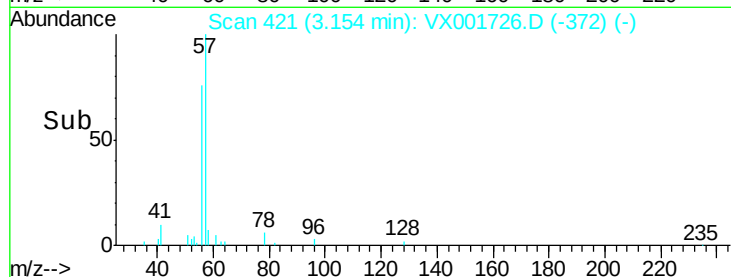
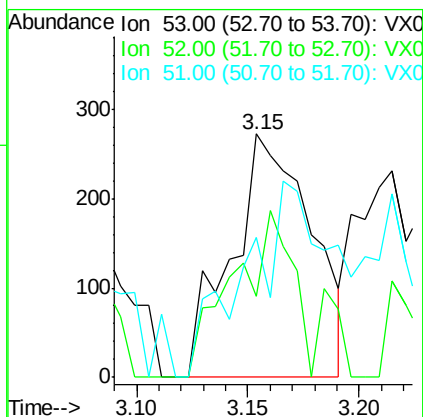
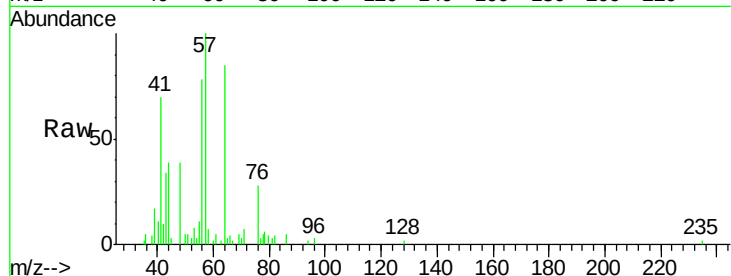
Tgt Ion: 53 Resp: 680

Ion Ratio Lower Upper

53 100

52 50.6 65.6 98.4#

51 85.9 28.1 42.1#



#16

Acetone

Concen: 8.75 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001726.D

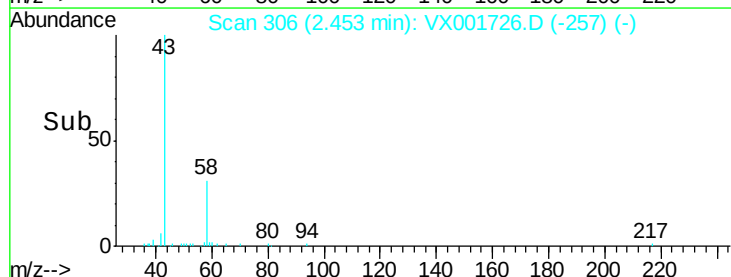
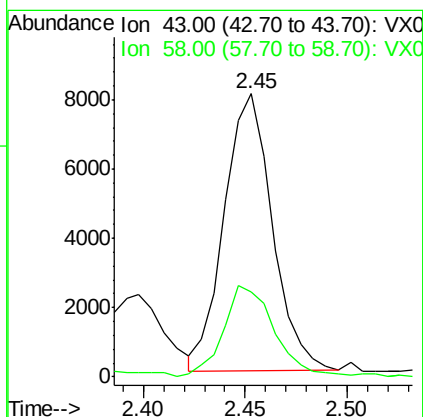
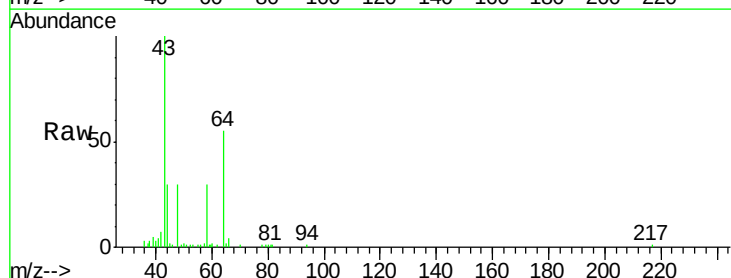
Acq: 14 May 2018 23:10

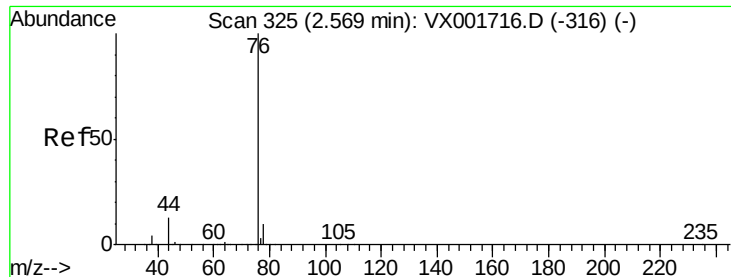
Tgt Ion: 43 Resp: 13098

Ion Ratio Lower Upper

43 100

58 29.6 25.3 37.9





#17

Carbon Disulfide

Concen: 1.07 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

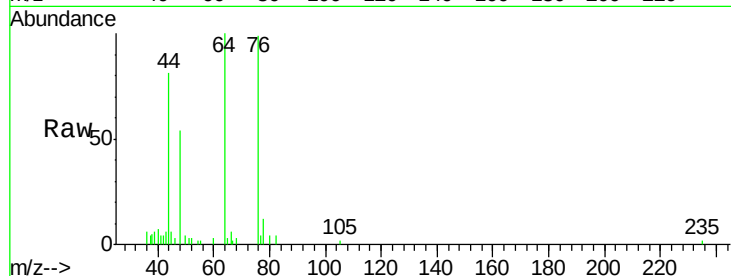
MW-4

Tgt Ion: 76 Resp: 7845

Ion Ratio Lower Upper

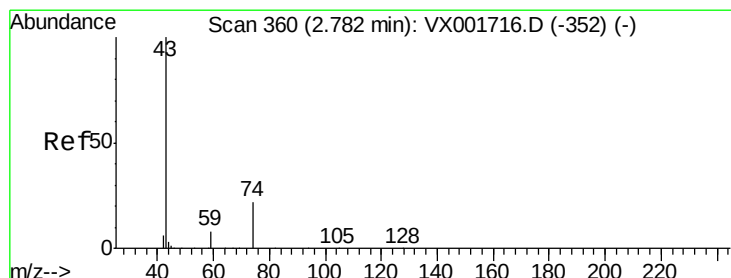
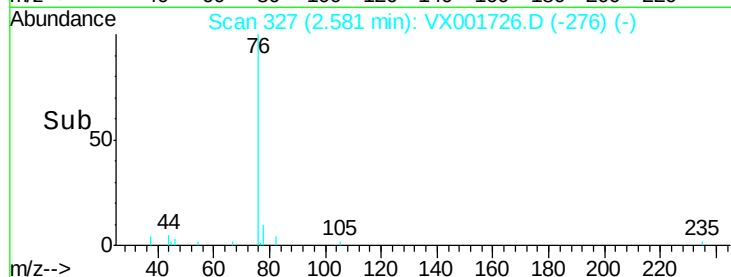
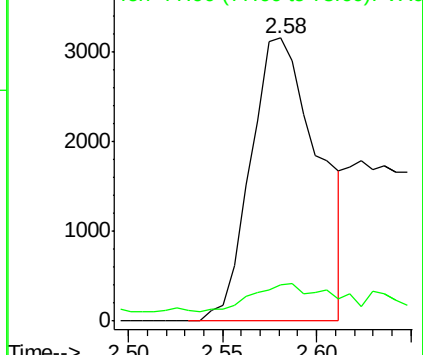
76 100

78 8.7 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.44 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.01 min

Lab File: VX001726.D

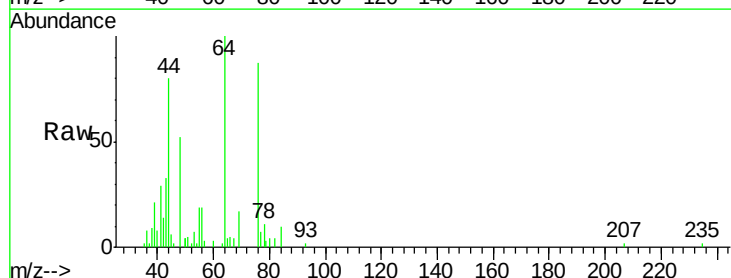
Acq: 14 May 2018 23:10

Tgt Ion: 43 Resp: 1936

Ion Ratio Lower Upper

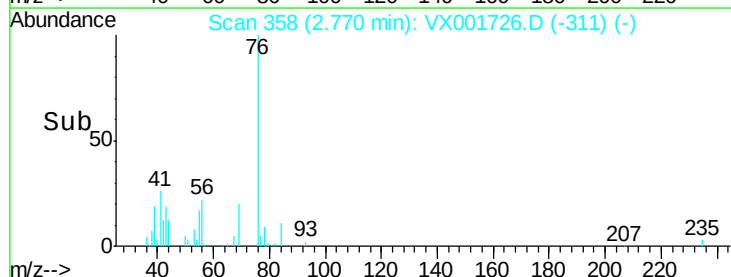
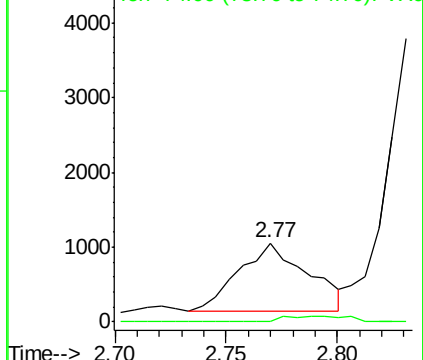
43 100

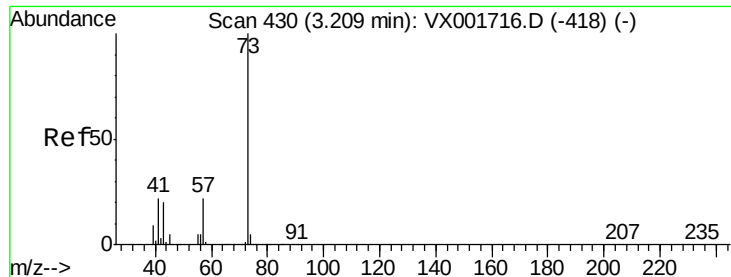
74 7.9 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 2.44 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

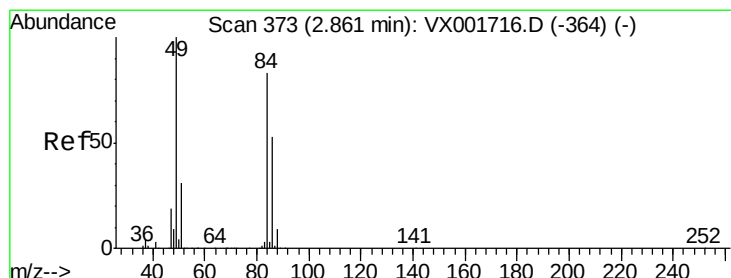
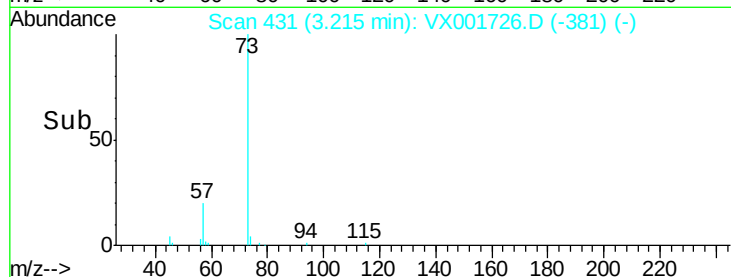
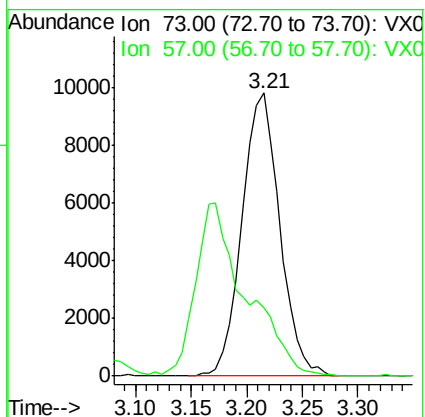
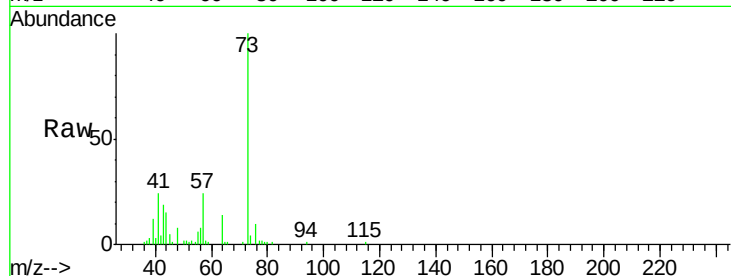
MW-4

Tgt Ion: 73 Resp: 23131

Ion Ratio Lower Upper

73 100

57 24.1 17.5 26.3



#20

Methylene Chloride

Concen: 0.30 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Tgt Ion: 84 Resp: 955

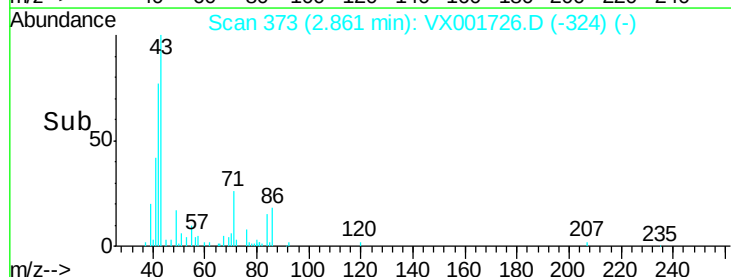
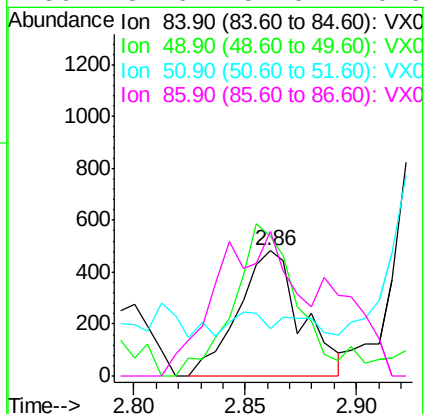
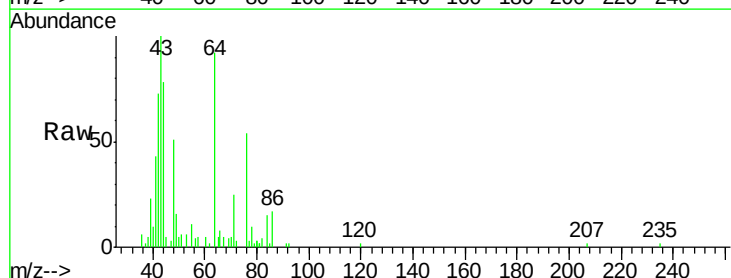
Ion Ratio Lower Upper

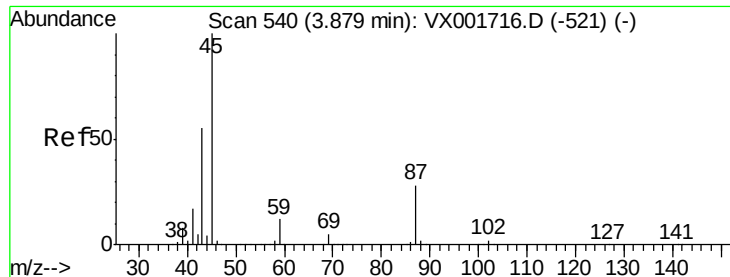
84 100

49 99.4 96.3 144.5

51 6.8 29.8 44.6#

86 87.6 51.0 76.6#

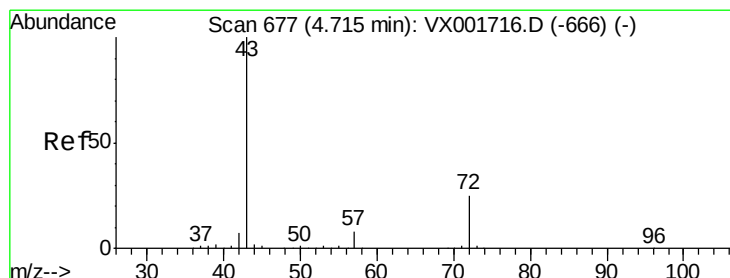
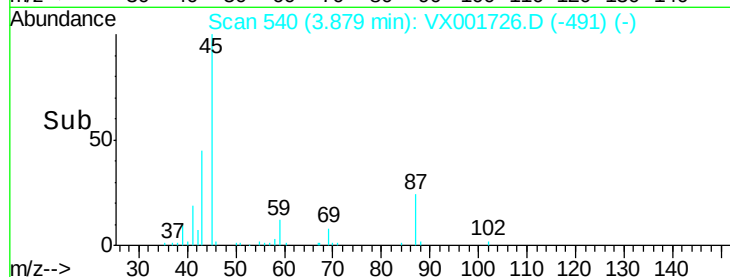
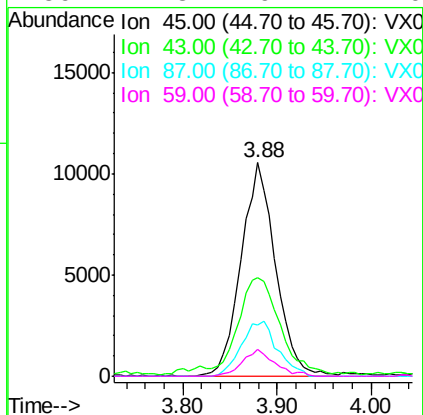
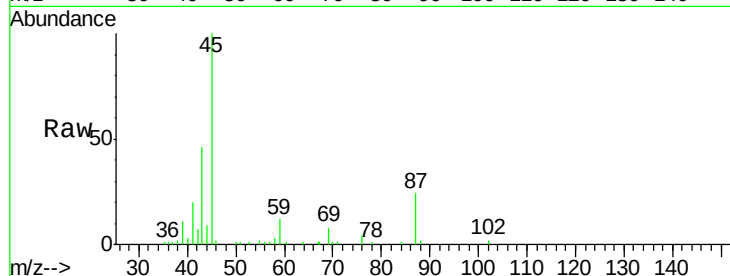




#22
Diisopropyl ether
Concen: 2.71 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

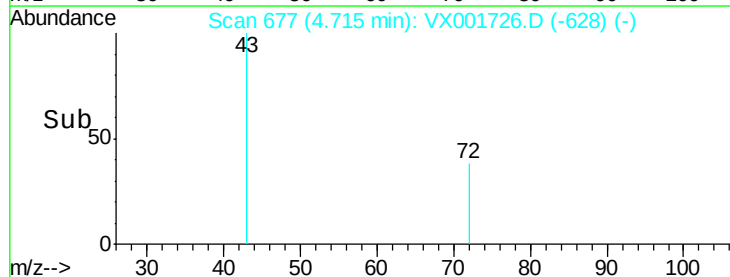
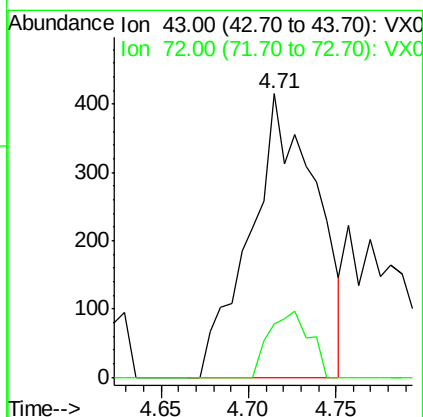
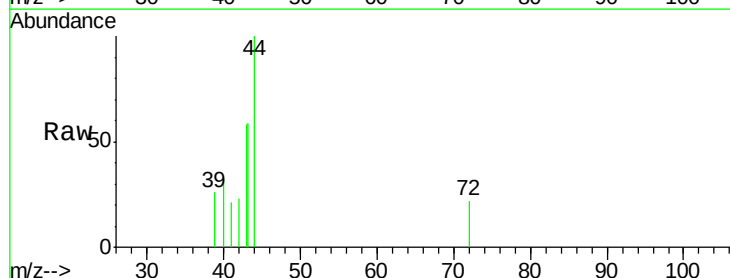
Instrument :
MSVOA_X
ClientSampled :
MW-4

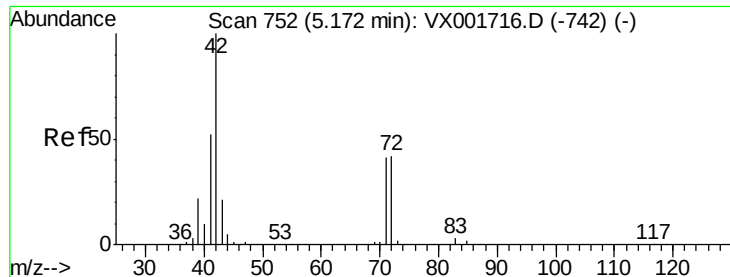
Tgt Ion:	45	Resp:	26997
Ion	Ratio	Lower	Upper
45	100		
43	44.2	44.3	66.5#
87	24.1	22.6	33.8
59	12.3	9.4	14.0



#25
2-Butanone
Concen: 0.48 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

Tgt Ion:	43	Resp:	1094
Ion	Ratio	Lower	Upper
43	100		
72	18.8	19.8	29.6#





#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4

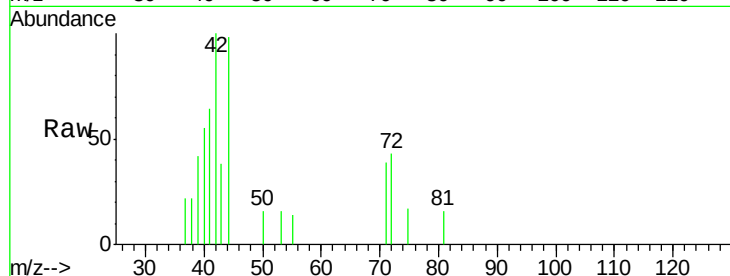
Tgt Ion: 42 Resp: 646

Ion Ratio Lower Upper

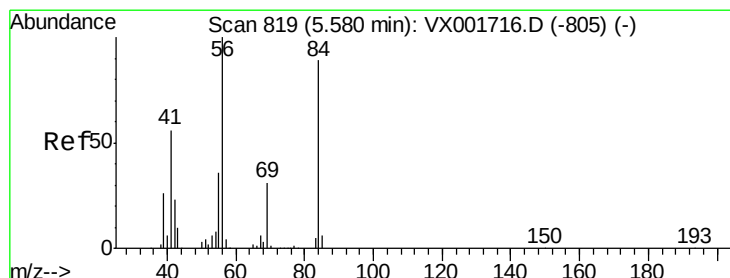
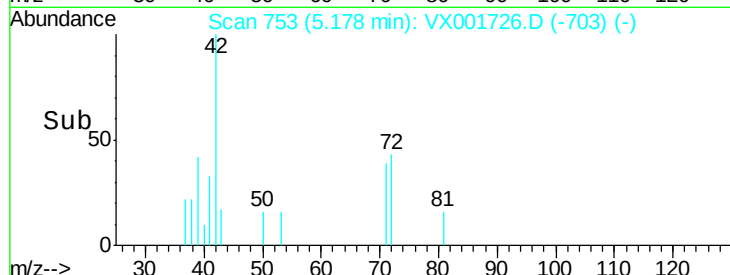
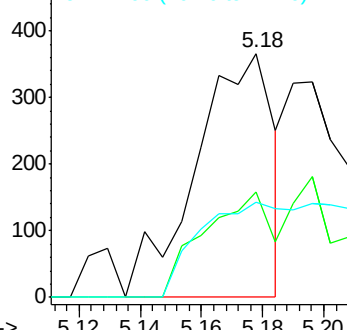
42 100

72 37.5 35.4 53.2

71 47.1 33.2 49.8



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 4.28 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

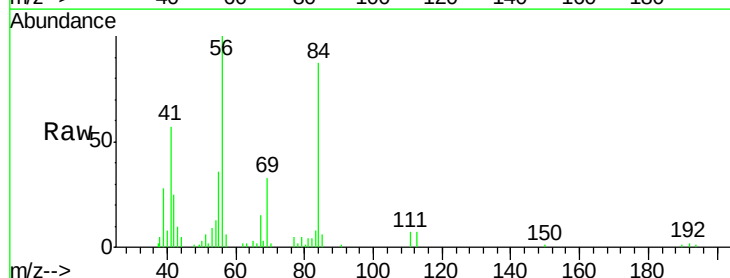
Tgt Ion: 56 Resp: 20509

Ion Ratio Lower Upper

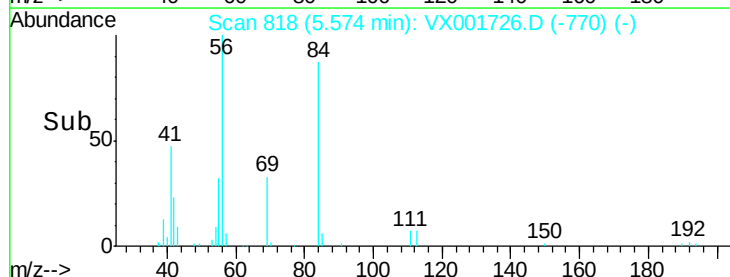
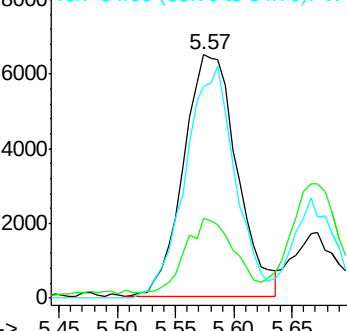
56 100

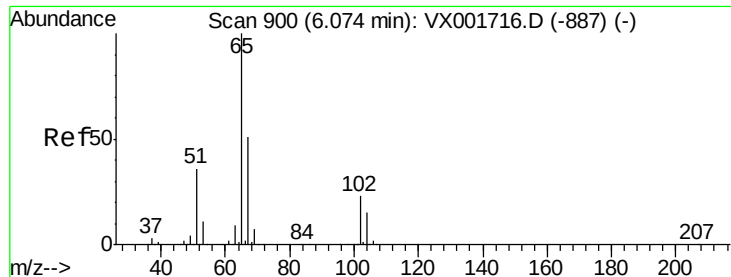
69 30.1 25.0 37.6

84 87.7 71.0 106.4



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

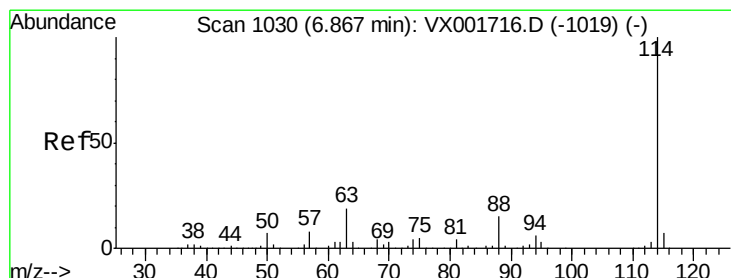
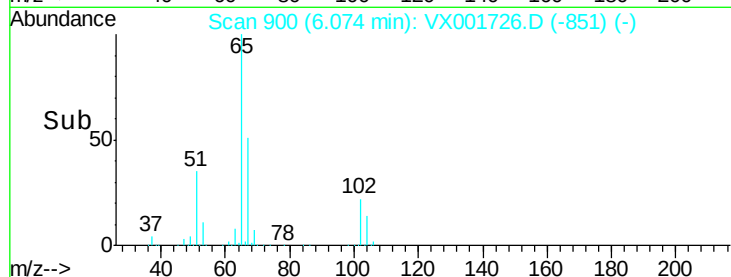
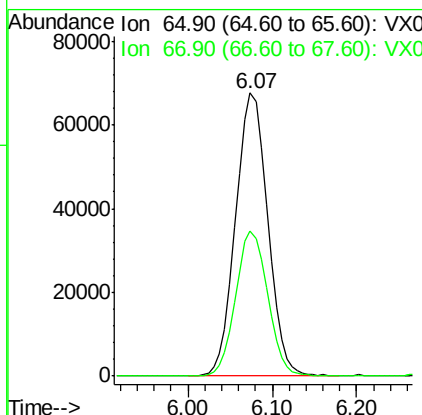
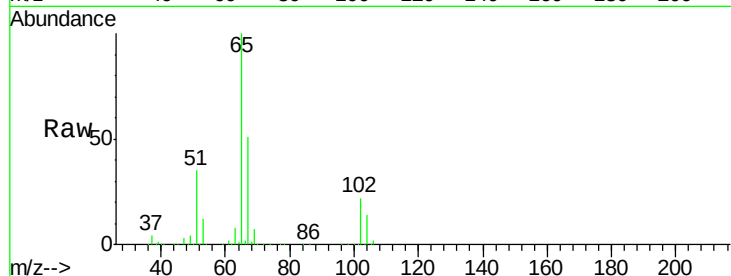




#33
 1,2-Dichloroethane-d4
 Concen: 45.93 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001726.D
 Acq: 14 May 2018 23:10

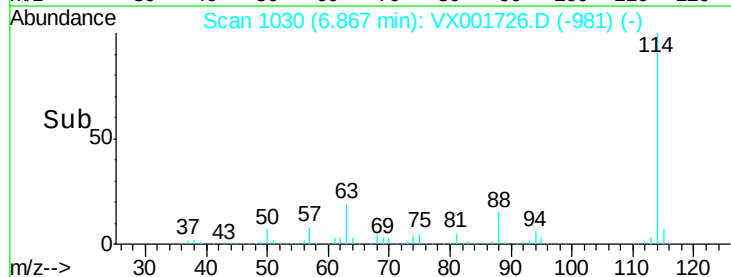
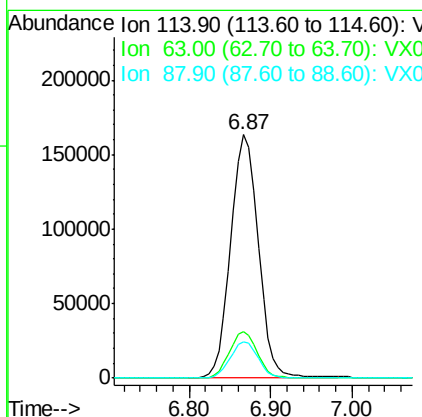
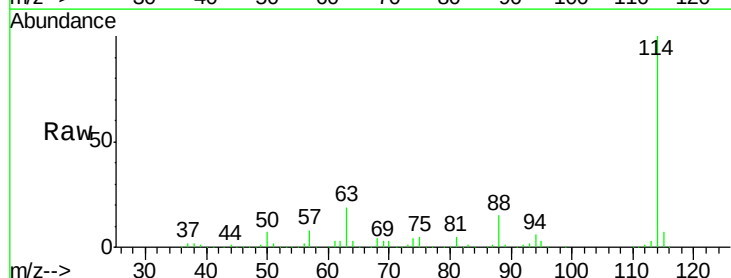
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

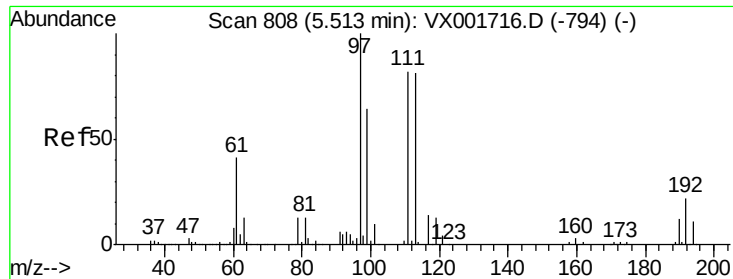
Tgt Ion: 65 Resp: 175027
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001726.D
 Acq: 14 May 2018 23:10

Tgt Ion: 114 Resp: 384969
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.0
 88 14.9 0.0 29.8

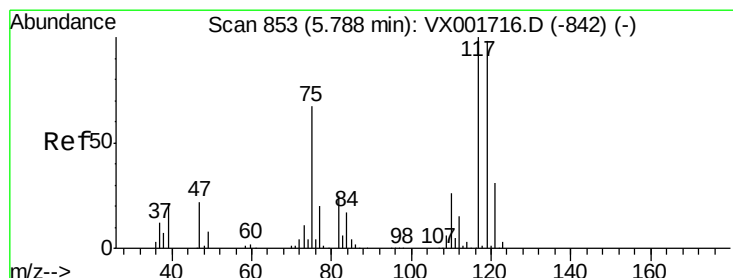
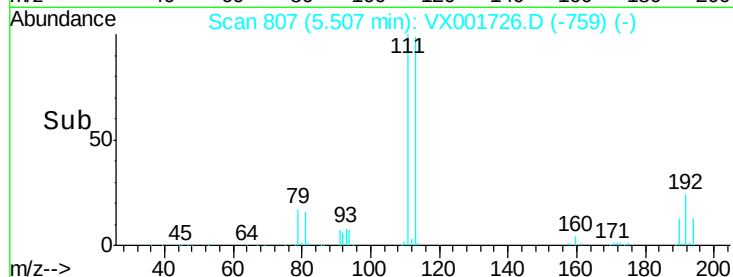
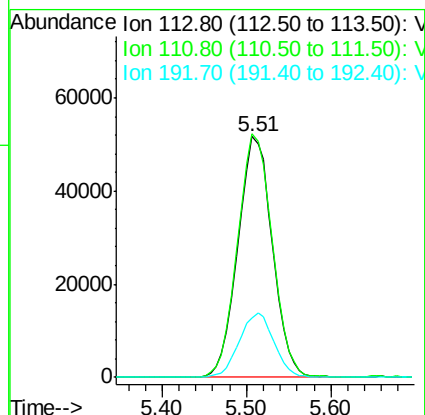
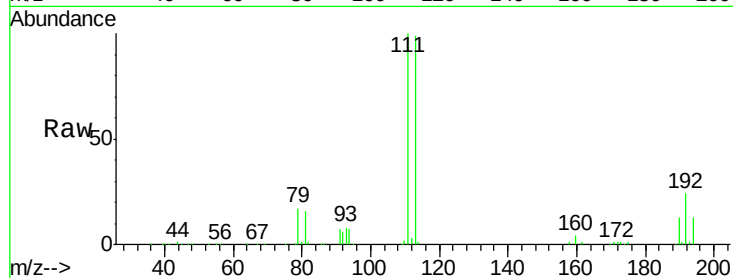




#35
 Dibromofluoromethane
 Concen: 44.02 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001726.D
 Acq: 14 May 2018 23:10

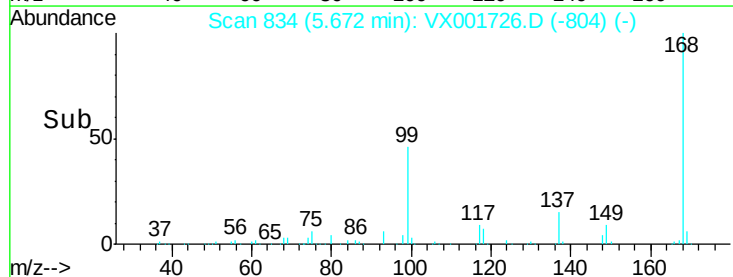
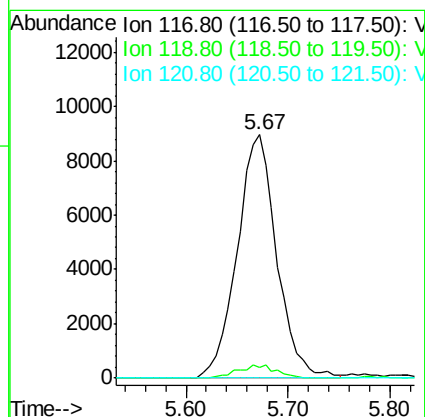
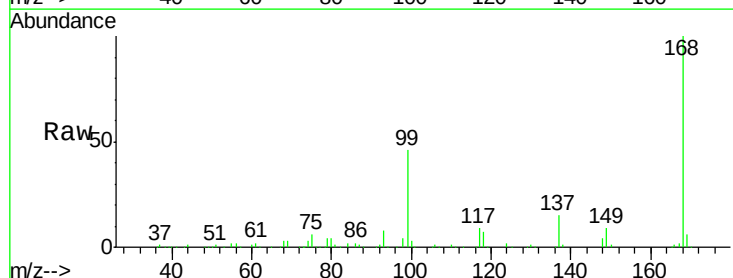
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

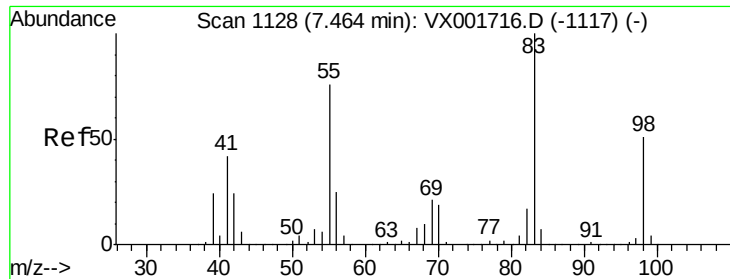
Tgt Ion:113 Resp: 143020
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.0 123.0
 192 26.8 21.6 32.4



#38
 Carbon Tetrachloride
 Concen: 5.19 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001726.D
 Acq: 14 May 2018 23:10

Tgt Ion:117 Resp: 24075
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.6 116.4#
 121 0.0 24.6 36.8#

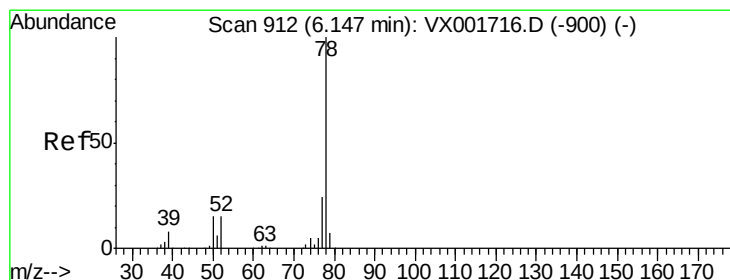
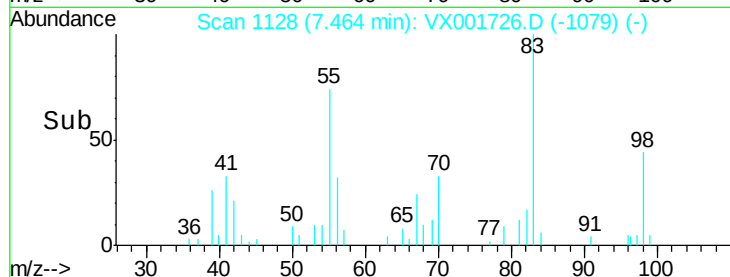
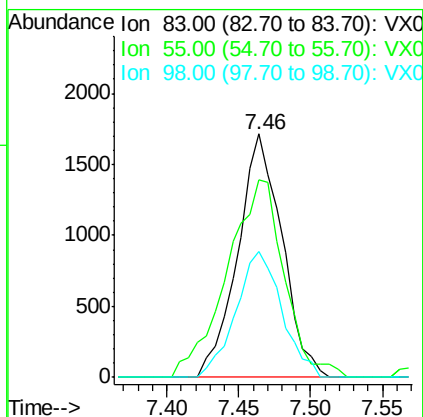
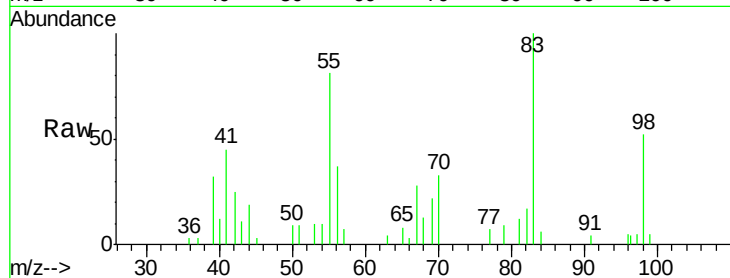




#39
Methylcyclohexane
Concen: 0.71 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

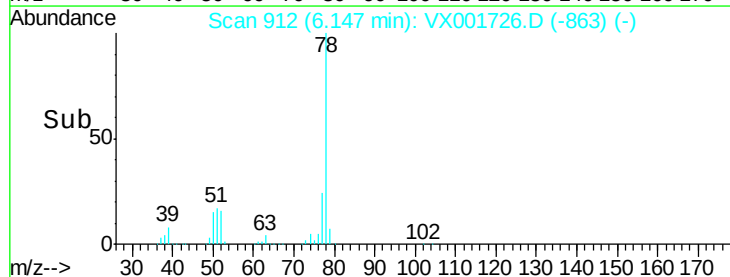
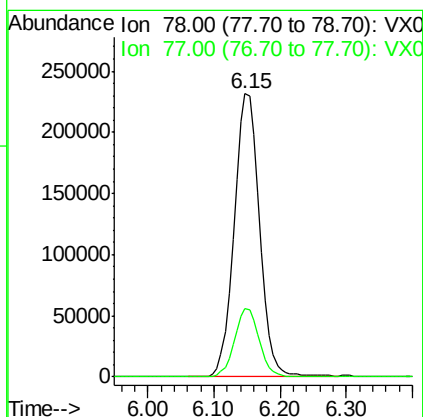
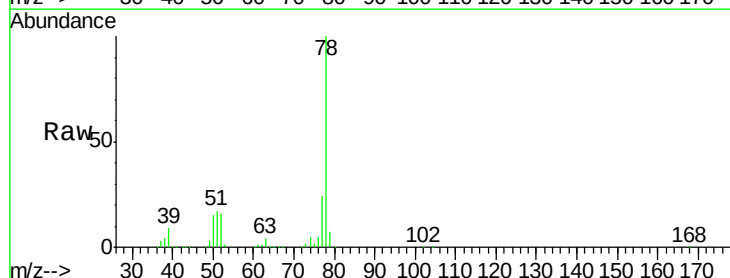
Instrument :
MSVOA_X
ClientSampled :
MW-4

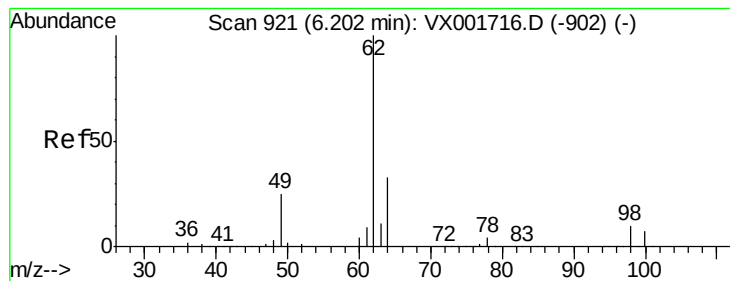
Tgt Ion: 83 Resp: 3656
Ion Ratio Lower Upper
83 100
55 77.7 60.6 90.8
98 51.5 40.4 60.6



#40
Benzene
Concen: 47.07 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

Tgt Ion: 78 Resp: 614612
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





#42

1,2-Dichloroethane

Concen: 0.99 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

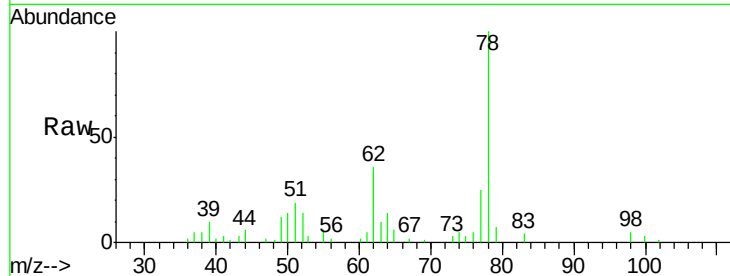
MW-4

Tgt Ion: 62 Resp: 4670

Ion Ratio Lower Upper

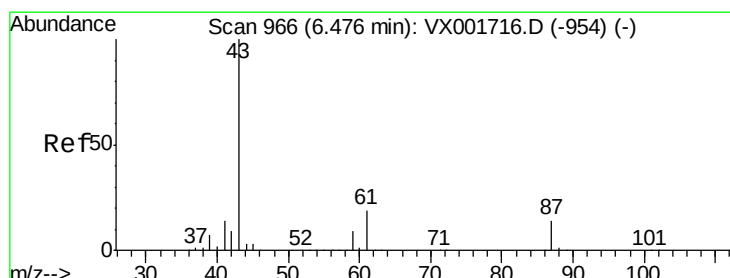
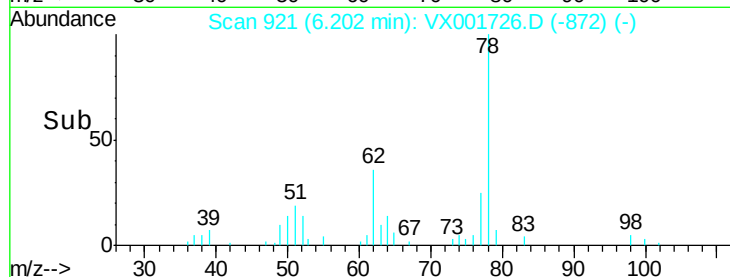
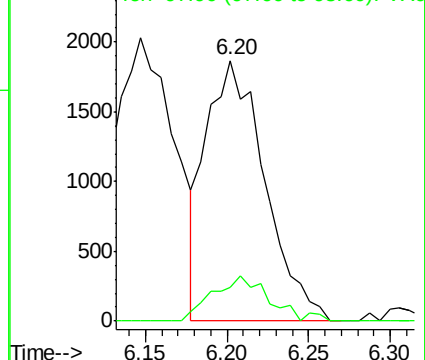
62 100

98 16.9 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#43

Isopropyl Acetate

Concen: 0.43 ug/l

RT: 6.40 min Scan# 953

Delta R.T. -0.08 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

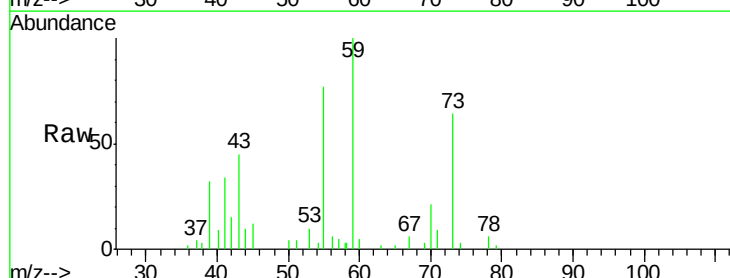
Tgt Ion: 43 Resp: 3136

Ion Ratio Lower Upper

43 100

61 1.0 15.8 23.8#

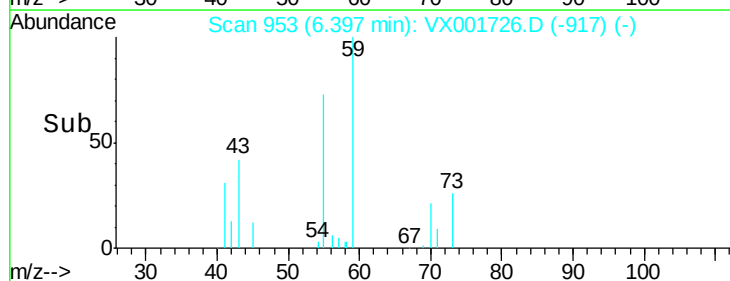
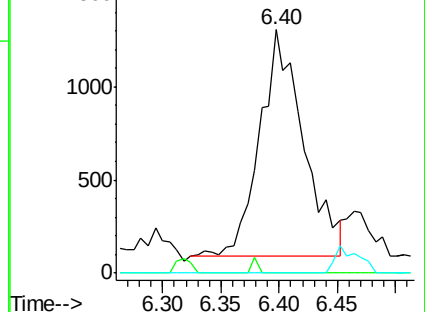
87 0.0 11.0 16.4#

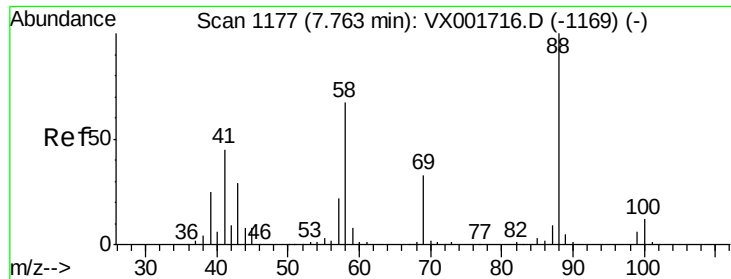


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

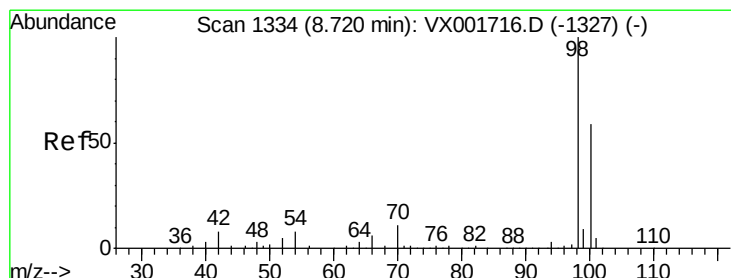
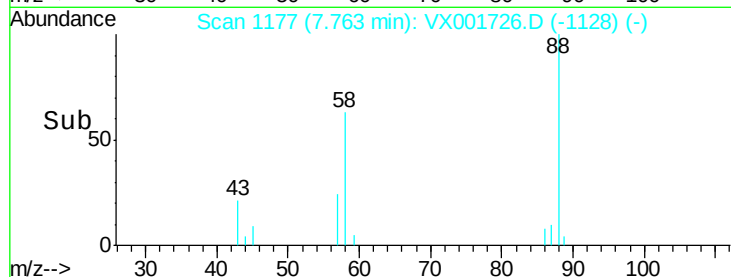
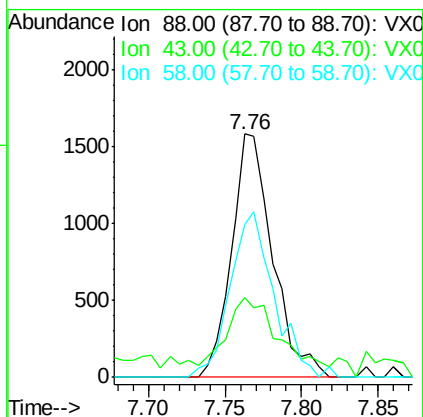
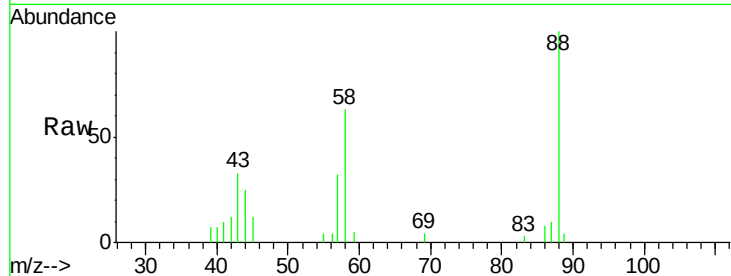




#49
1,4-Dioxane
Concen: 40.17 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

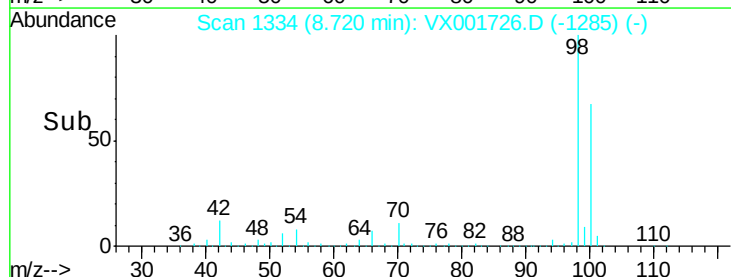
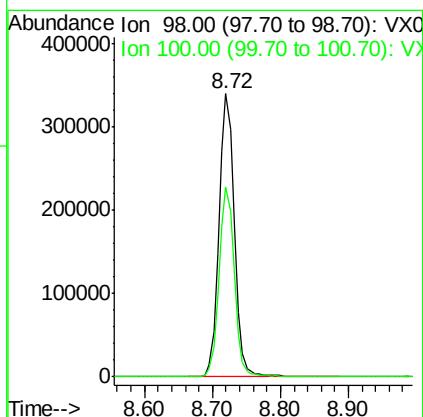
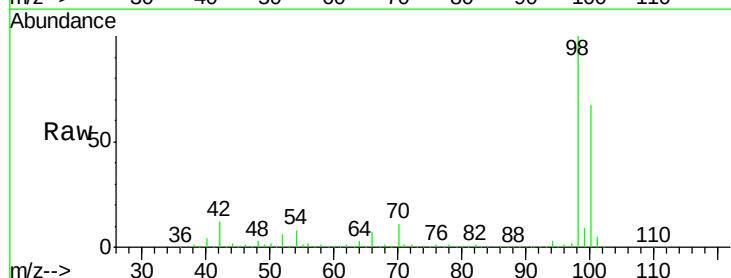
Instrument :
MSVOA_X
ClientSampleId :
MW-4

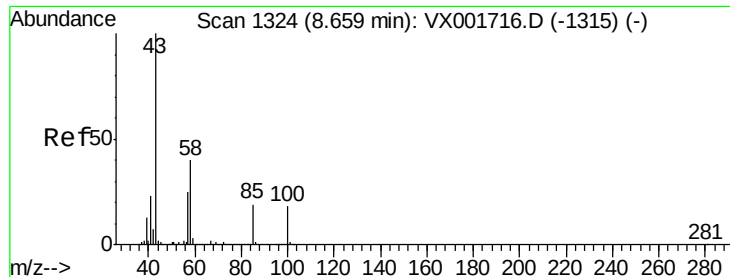
Tgt Ion: 88 Resp: 2943
Ion Ratio Lower Upper
88 100
43 32.3 27.3 40.9
58 72.7 55.9 83.9



#50
Toluene-d8
Concen: 45.85 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

Tgt Ion: 98 Resp: 533519
Ion Ratio Lower Upper
98 100
100 66.7 54.0 81.0





#51

4-Methyl-2-Pentanone

Concen: 0.39 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

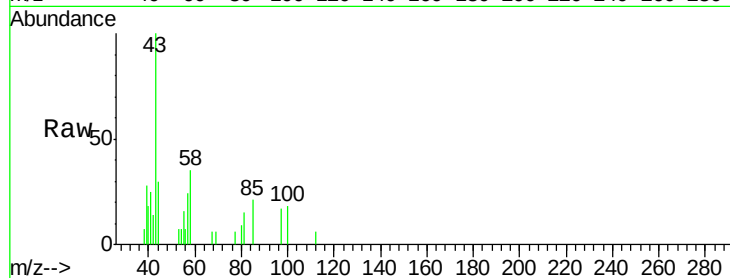
MW-4

Tgt Ion: 43 Resp: 1790

Ion Ratio Lower Upper

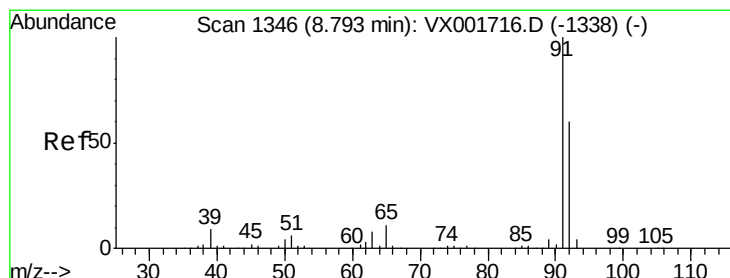
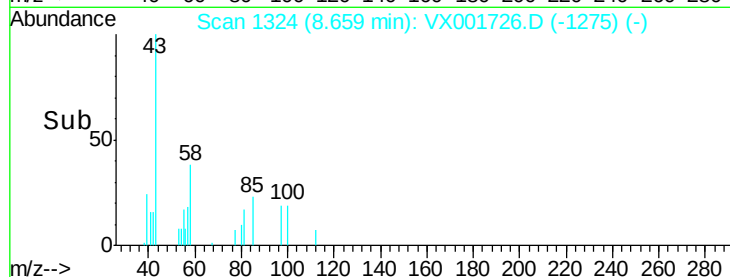
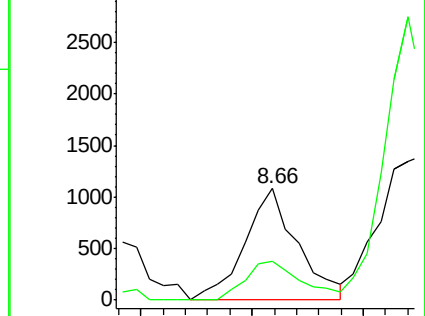
43 100

58 37.0 31.4 47.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 10.16 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001726.D

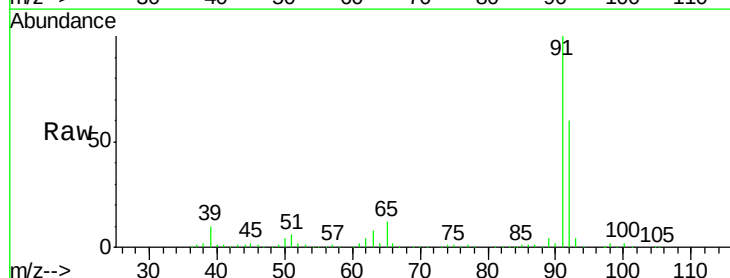
Acq: 14 May 2018 23:10

Tgt Ion: 92 Resp: 85238

Ion Ratio Lower Upper

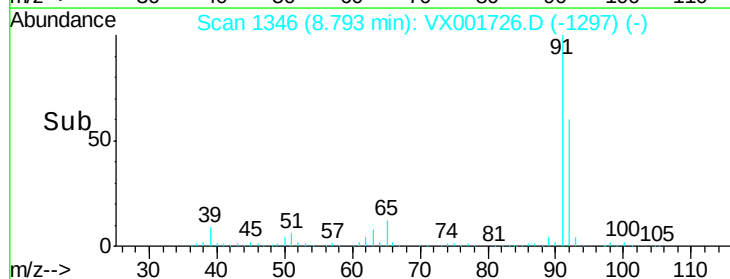
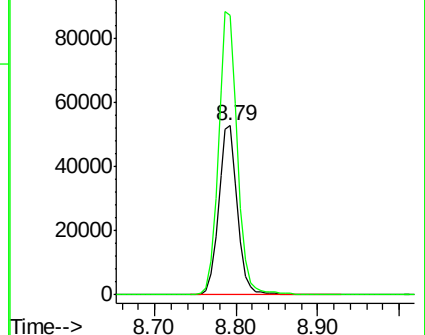
92 100

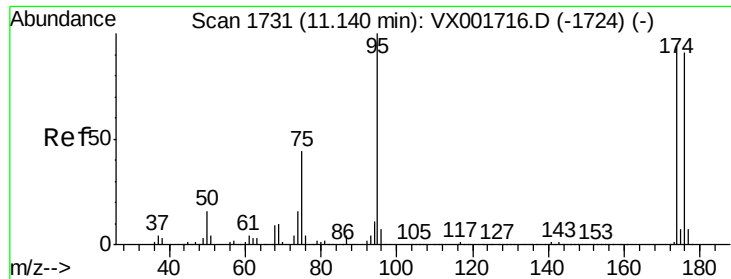
91 169.4 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4

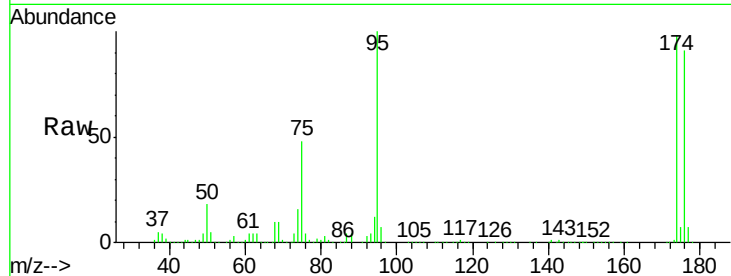
Tgt Ion: 95 Resp: 185254

Ion Ratio Lower Upper

95 100

174 102.8 0.0 201.8

176 98.0 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001716.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX001716.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX001716.D (-1724) (-)

11.14

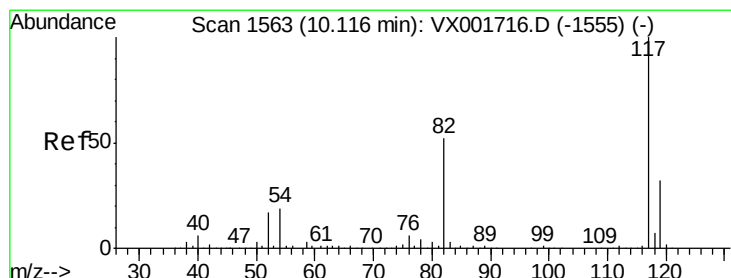
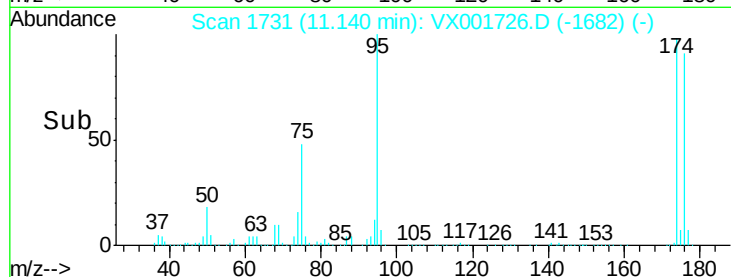
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

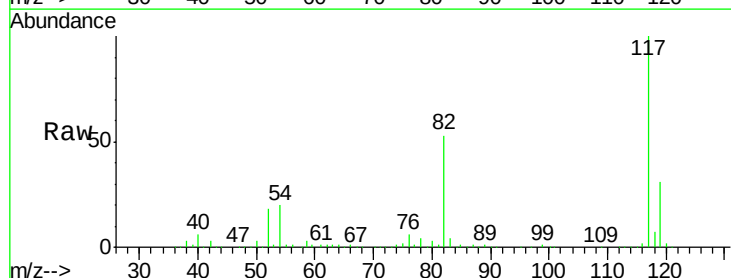
Tgt Ion: 117 Resp: 337598

Ion Ratio Lower Upper

117 100

82 52.5 41.4 62.2

119 31.3 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VX001716.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX001716.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX001716.D (-1555) (-)

10.12

300000

250000

200000

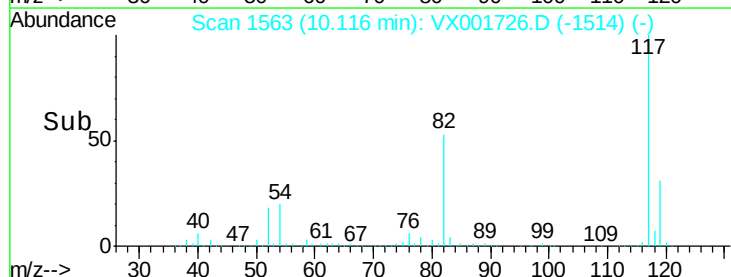
150000

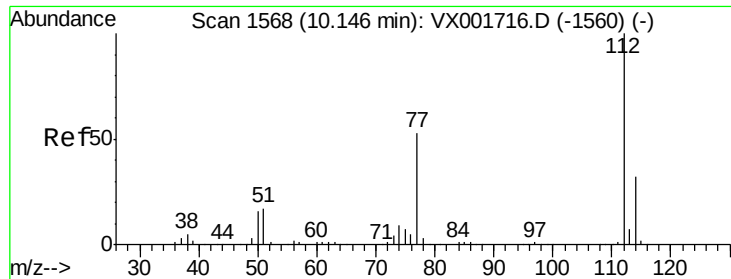
100000

50000

0

Time-->

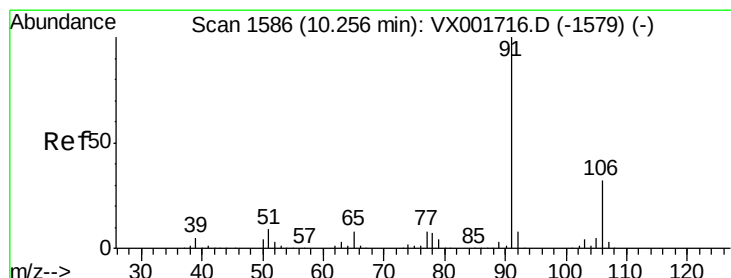
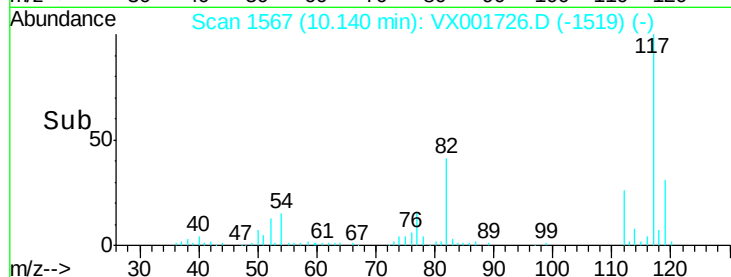
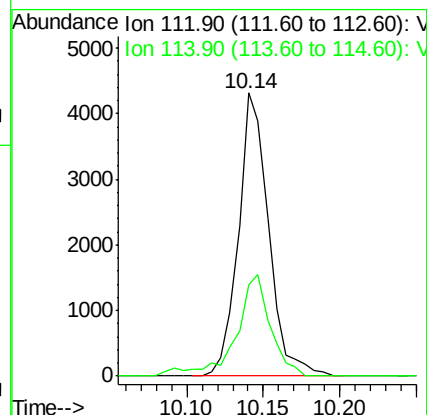
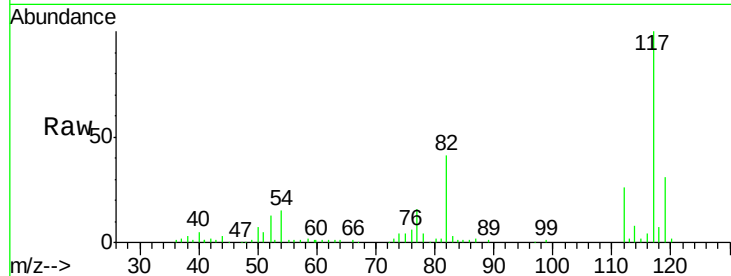




#65
Chlorobenzene
Concen: 0.64 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

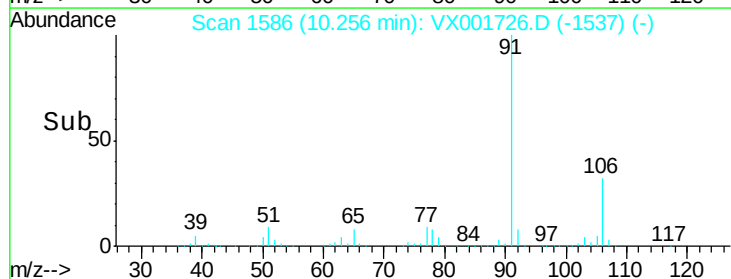
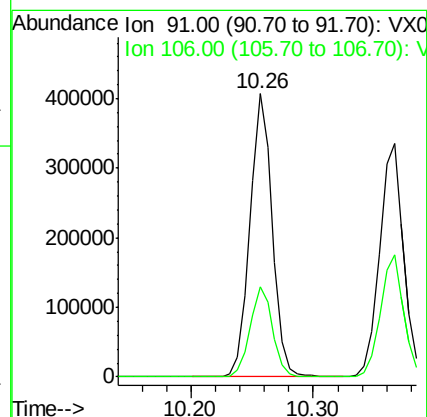
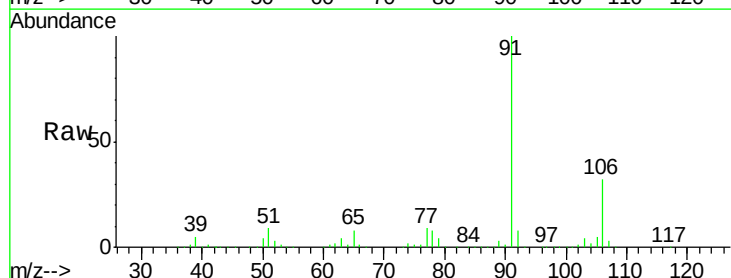
Instrument :
MSVOA_X
ClientSampleId :
MW-4

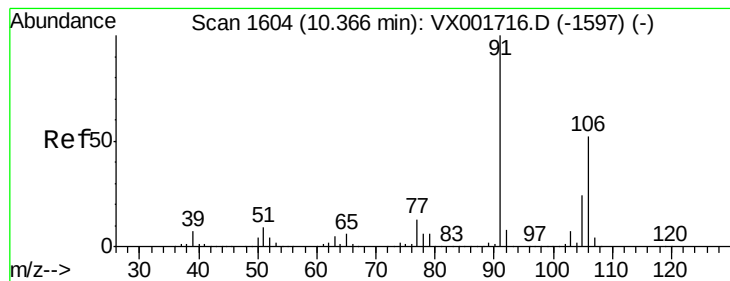
Tgt Ion: 112 Resp: 5902
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#67
Ethyl Benzene
Concen: 34.80 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

Tgt Ion: 91 Resp: 516436
Ion Ratio Lower Upper
91 100
106 32.0 25.7 38.5





#68

m/p-Xylenes

Concen: 40.01 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

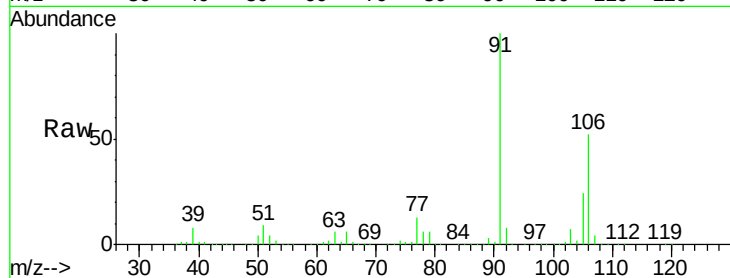
MW-4

Tgt Ion:106 Resp: 234252

Ion Ratio Lower Upper

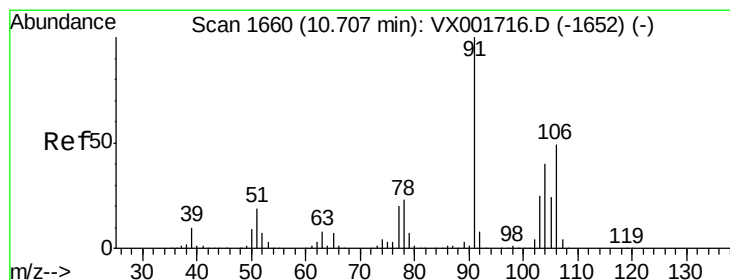
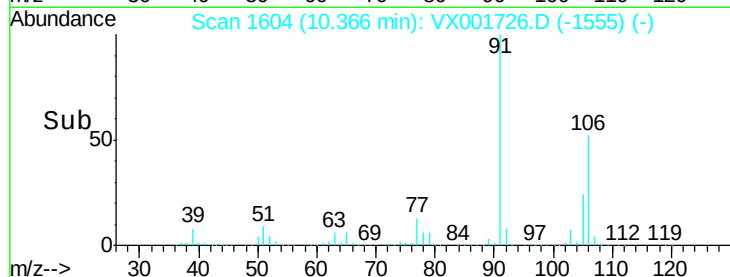
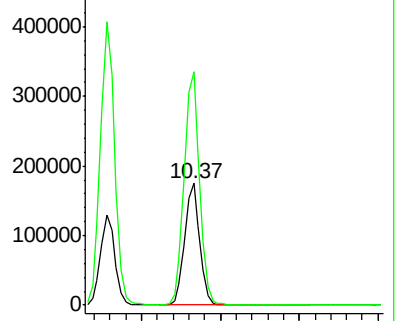
106 100

91 195.6 155.4 233.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 14.63 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX001726.D

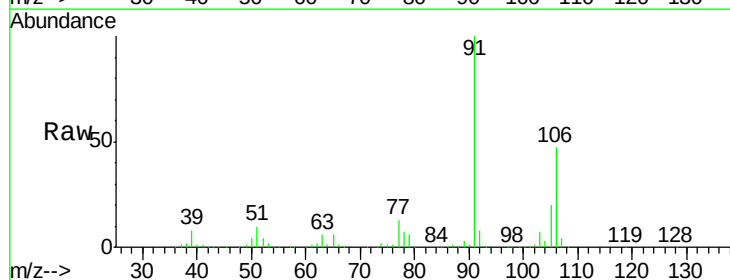
Acq: 14 May 2018 23:10

Tgt Ion:106 Resp: 82055

Ion Ratio Lower Upper

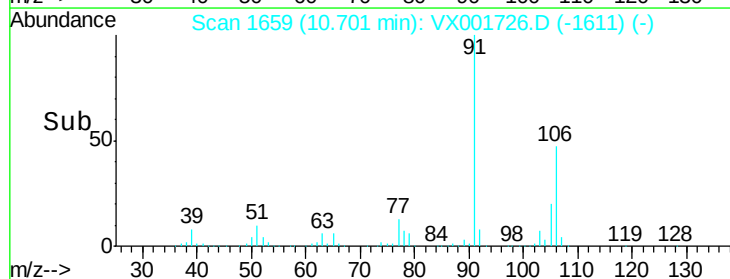
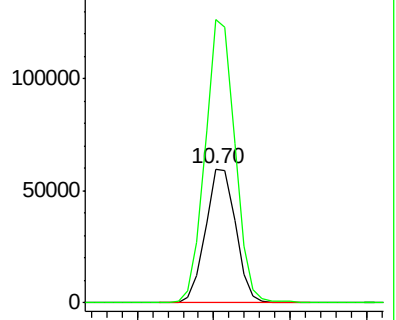
106 100

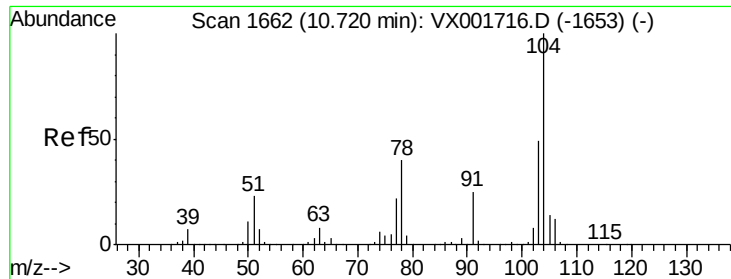
91 208.1 103.4 310.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Styrene

Concen: 0.53 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.02 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4

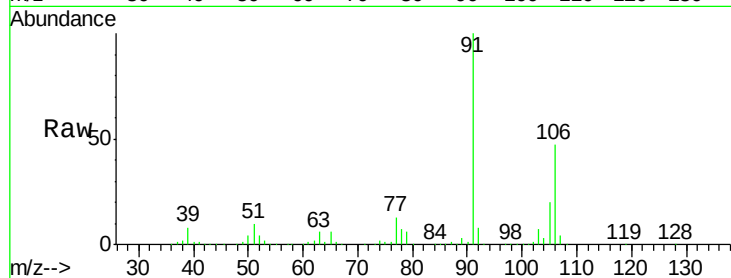
Tgt Ion:104 Resp: 4859

Ion Ratio Lower Upper

104 100

78 248.7 37.3 55.9#

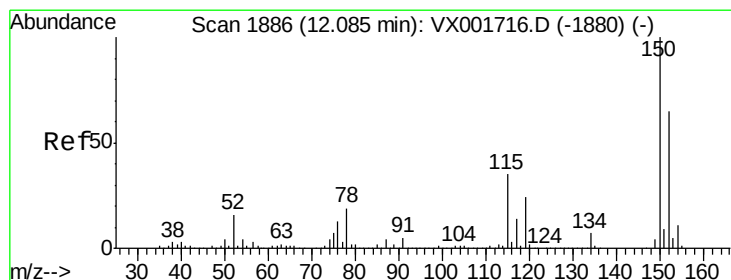
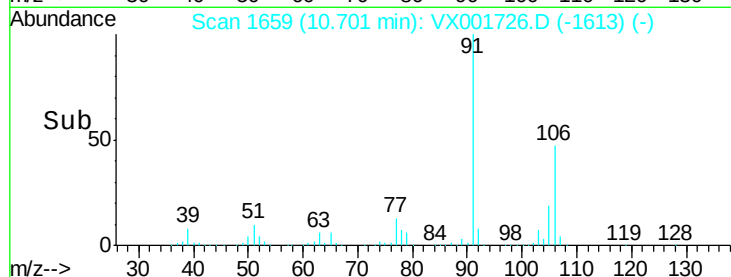
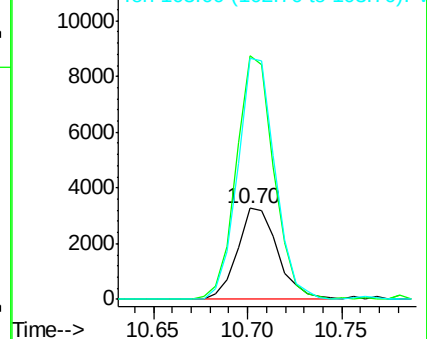
103 243.8 43.7 65.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

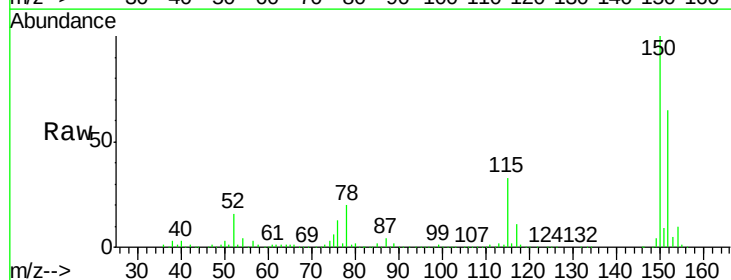
Tgt Ion:152 Resp: 215307

Ion Ratio Lower Upper

152 100

115 51.1 37.4 112.2

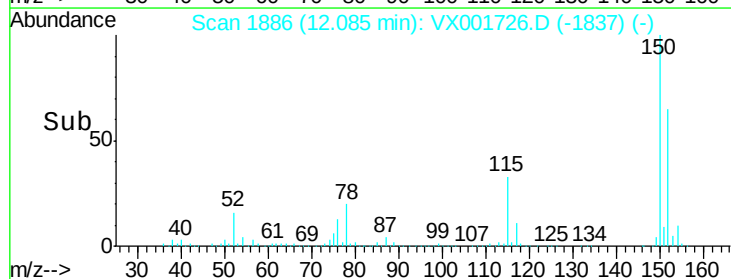
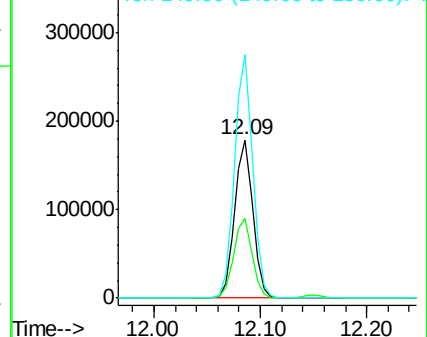
150 153.5 0.0 344.8

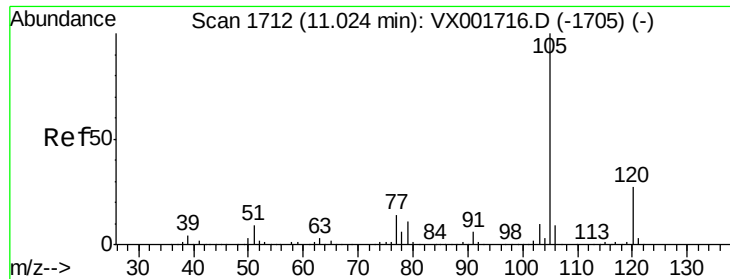


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.24 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

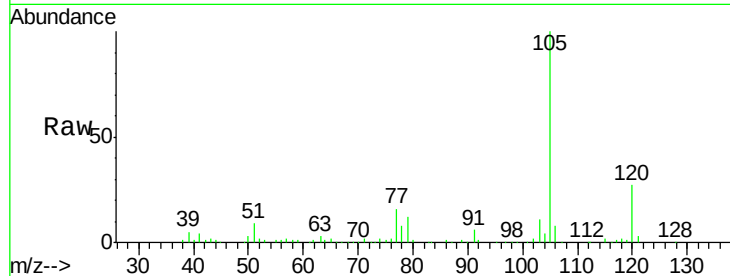
MW-4

Tgt Ion: 105 Resp: 31786

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

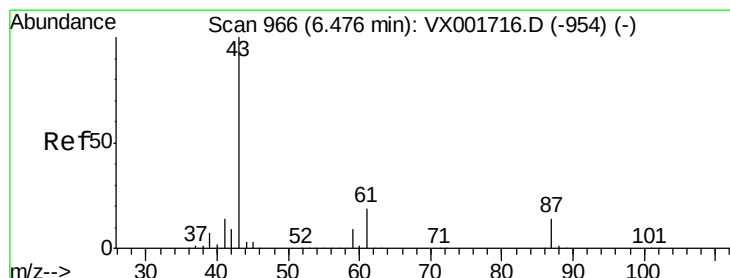
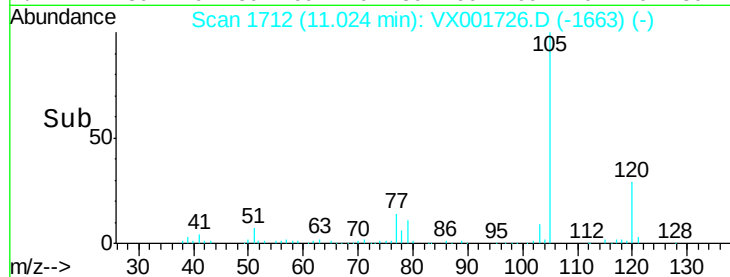
15000

10000

5000

0

Time--> 10.95 11.00 11.05 11.10



#74

N-ethyl acetate

Concen: 0.46 ug/l

RT: 6.40 min Scan# 953

Delta R.T. -0.08 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Tgt Ion: 43 Resp: 3136

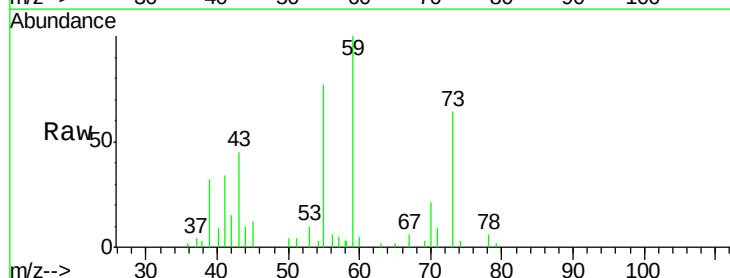
Ion Ratio Lower Upper

43 100

70 22.3 0.0 0.0#

55 186.7 0.1 0.1#

61 0.0 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

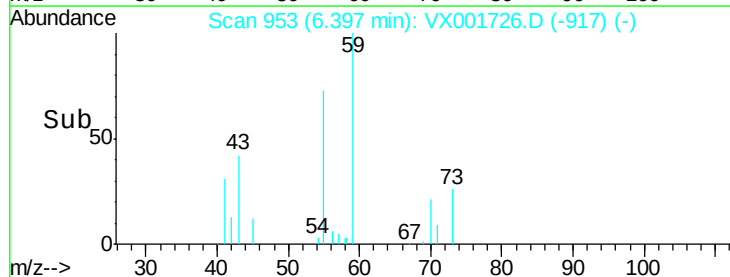
3000

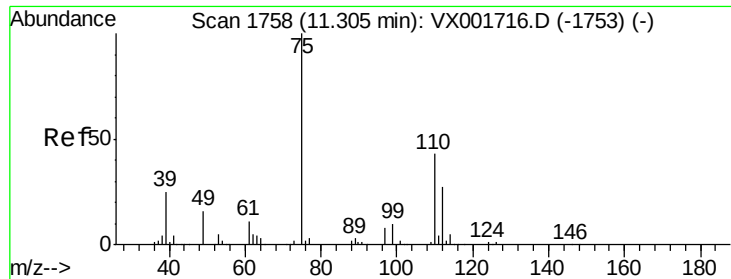
2000

1000

0

Time--> 6.30 6.35 6.40 6.45

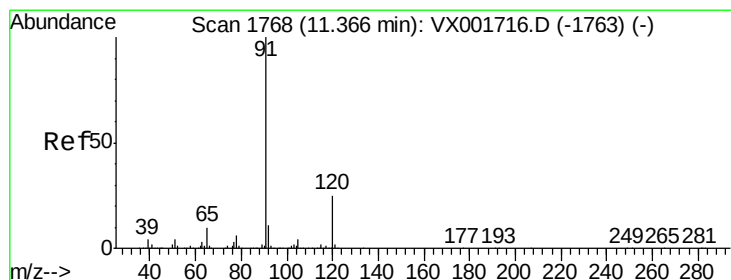
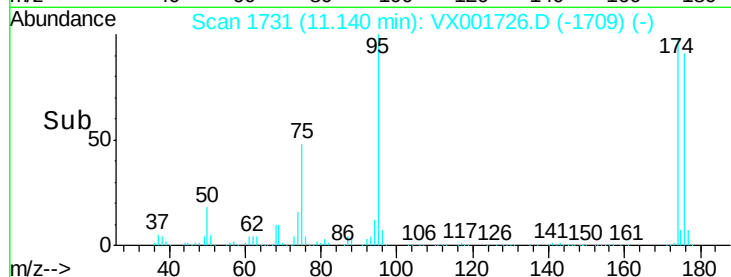
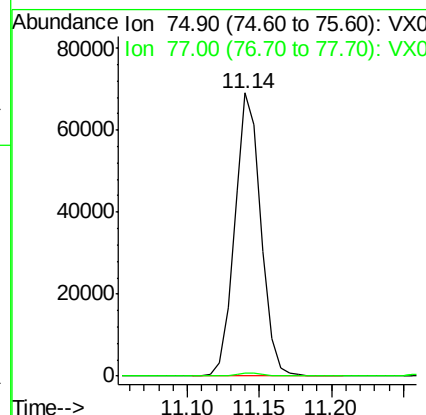
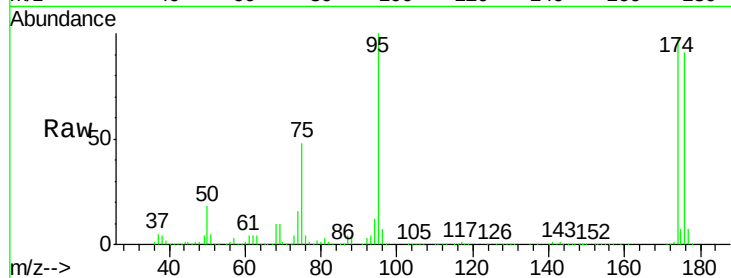




#76
 1,2,3-Trichloropropane
 Concen: 21.39 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001726.D
 Acq: 14 May 2018 23:10

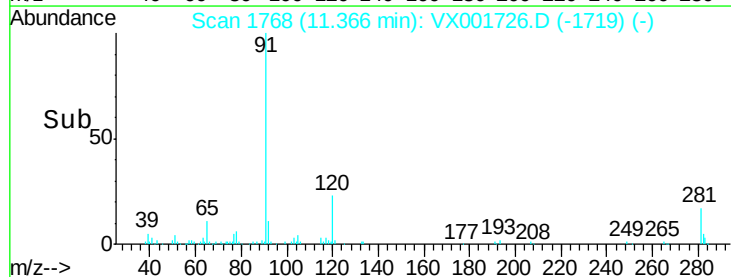
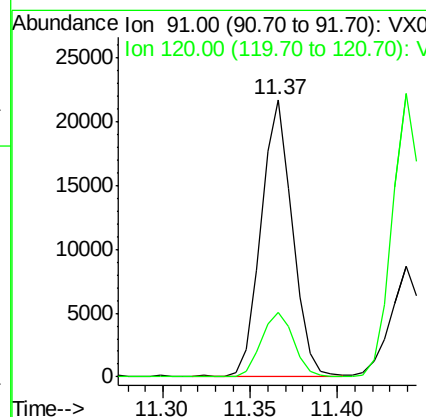
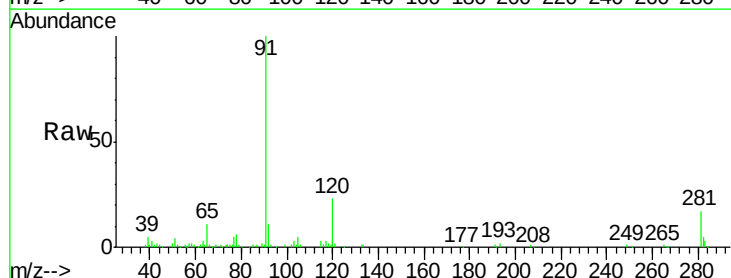
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

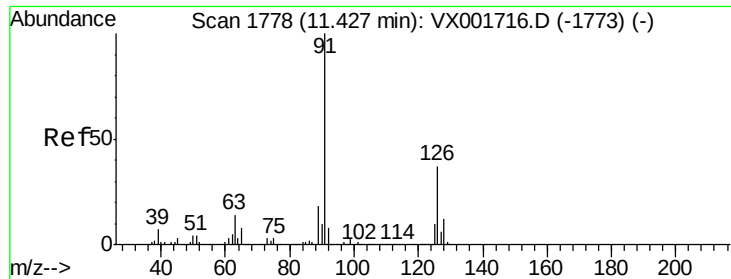
Tgt Ion: 75 Resp: 87572
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.9 56.7#



#78
 n-propylbenzene
 Concen: 1.70 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VX001726.D
 Acq: 14 May 2018 23:10

Tgt Ion: 91 Resp: 27105
 Ion Ratio Lower Upper
 91 100
 120 23.8 12.5 37.5





#79

2-Chlorotoluene

Concen: 1.64 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

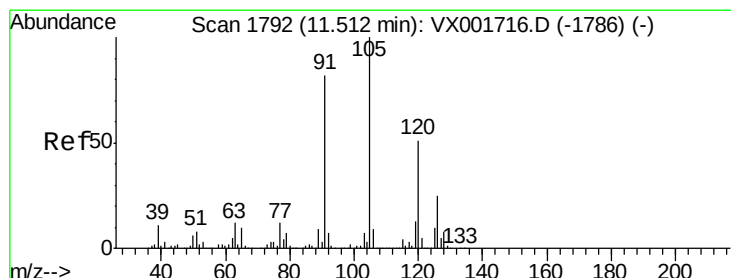
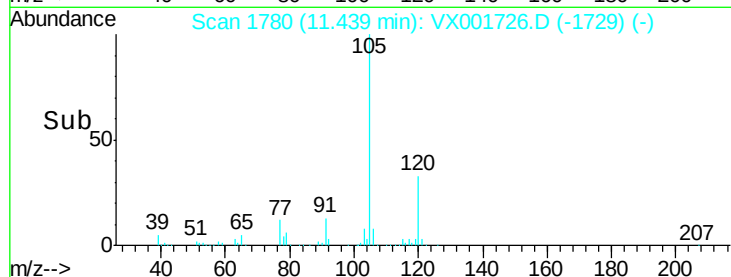
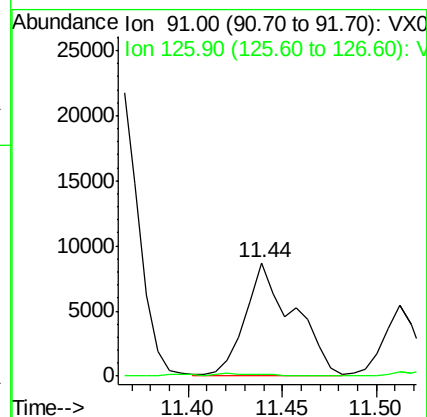
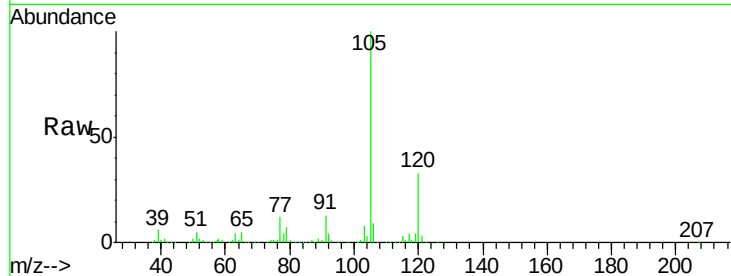
MW-4

Tgt Ion: 91 Resp: 15653

Ion Ratio Lower Upper

91 100

126 2.2 18.4 55.4#



#80

1,3,5-Trimethylbenzene

Concen: 4.31 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001726.D

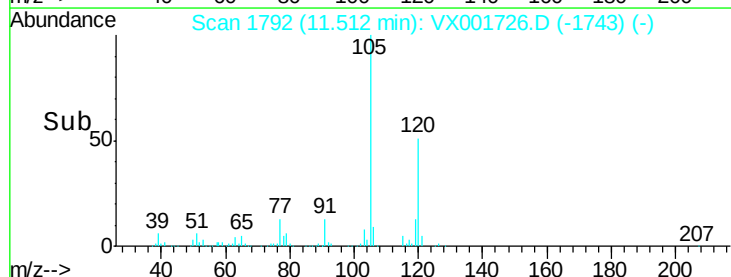
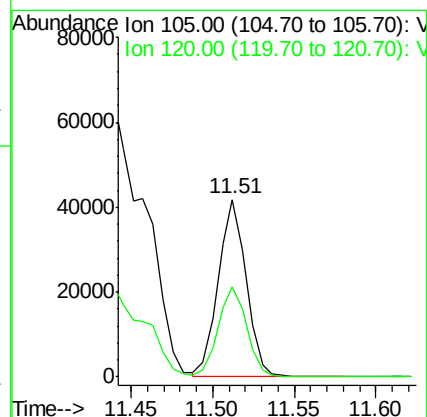
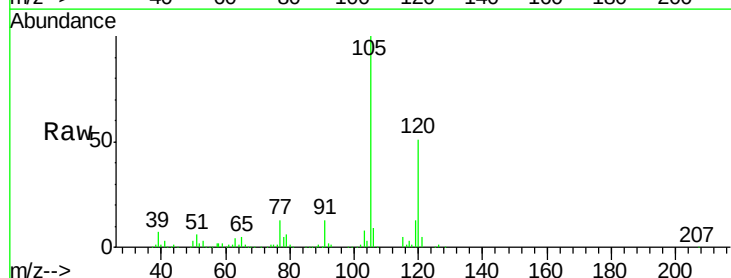
Acq: 14 May 2018 23:10

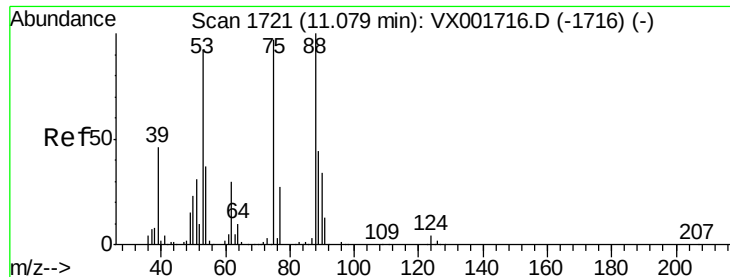
Tgt Ion: 105 Resp: 50094

Ion Ratio Lower Upper

105 100

120 52.0 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

MW-4

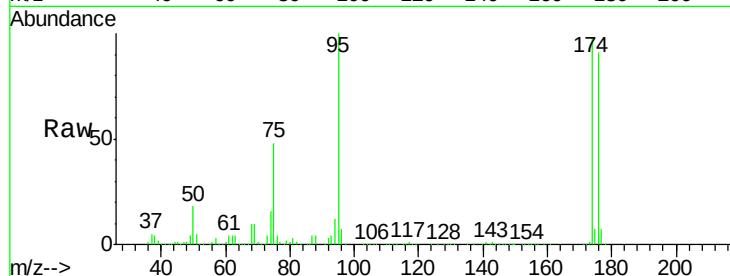
Tgt Ion: 75 Resp: 87572

Ion Ratio Lower Upper

75 100

53 0.2 79.4 119.2#

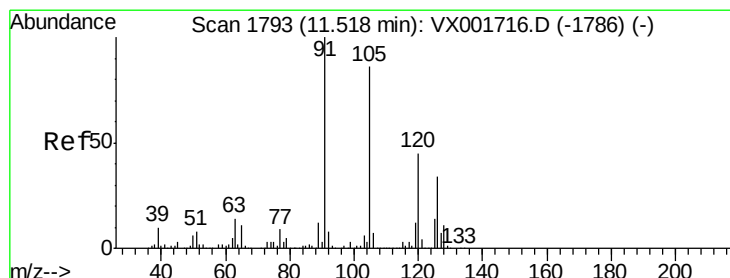
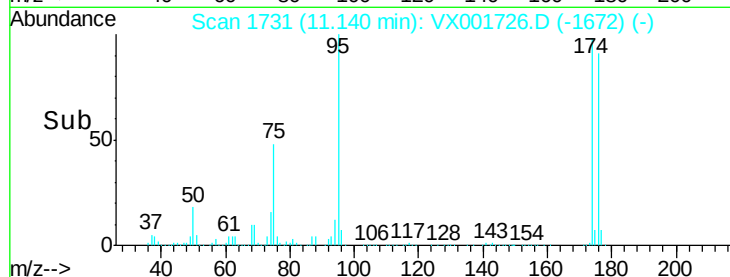
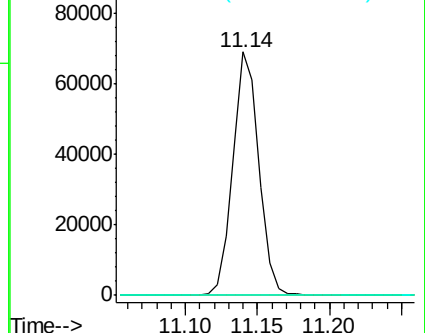
89 0.0 38.8 58.2#



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: 0.60 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX001726.D

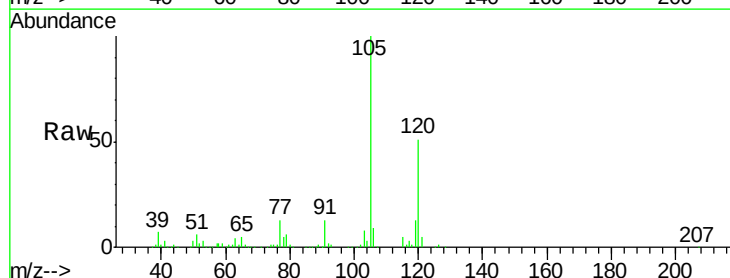
Acq: 14 May 2018 23:10

Tgt Ion: 91 Resp: 6778

Ion Ratio Lower Upper

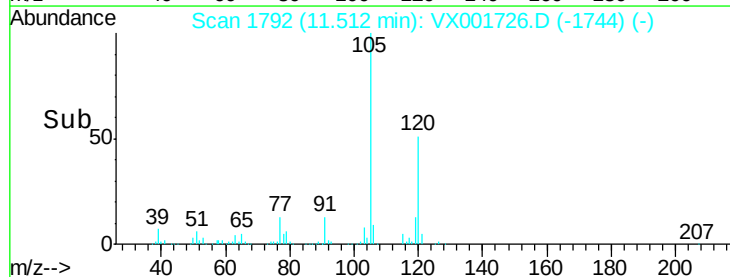
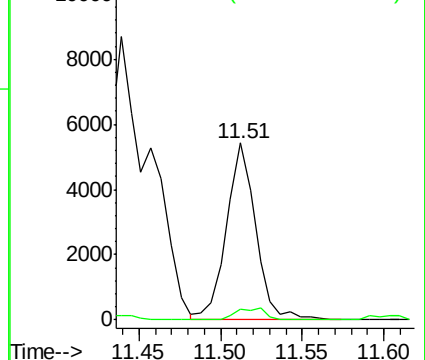
91 100

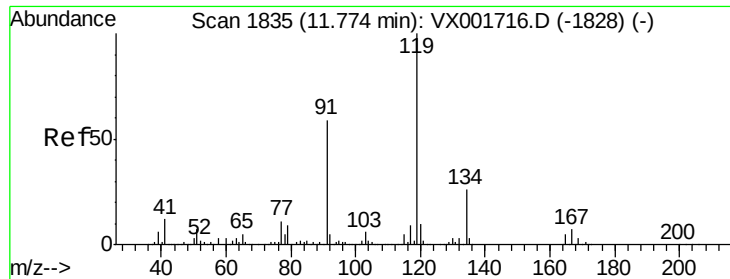
126 6.5 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

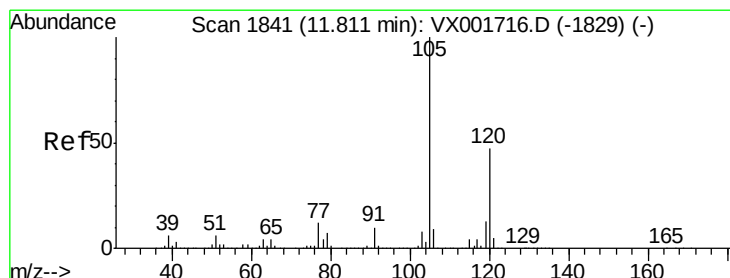
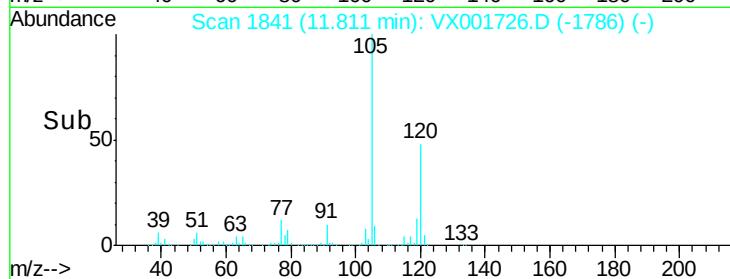
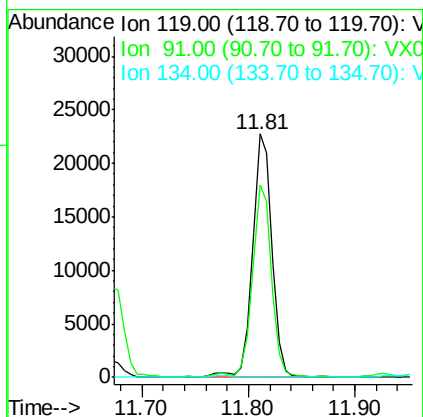
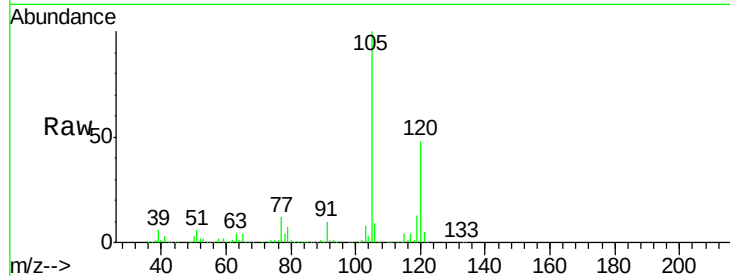




#83
 tert-Butylbenzene
 Concen: 2.51 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.04 min
 Lab File: VX001726.D
 Acq: 14 May 2018 23:10

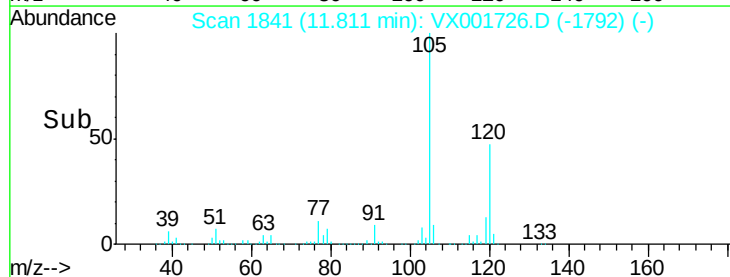
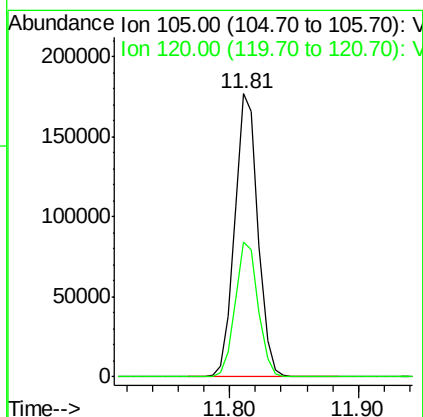
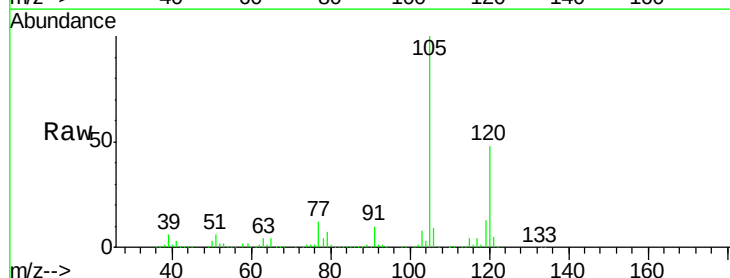
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

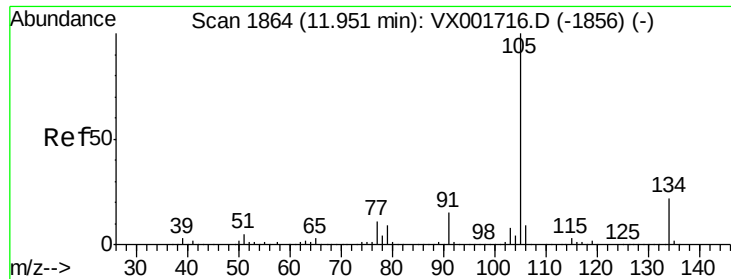
Tgt Ion:119 Resp: 29070
 Ion Ratio Lower Upper
 119 100
 91 77.1 27.7 83.0
 134 0.3 12.7 38.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 18.41 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001726.D
 Acq: 14 May 2018 23:10

Tgt Ion:105 Resp: 221762
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.5 70.5





#85

sec-Butylbenzene

Concen: 15.52 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.14 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

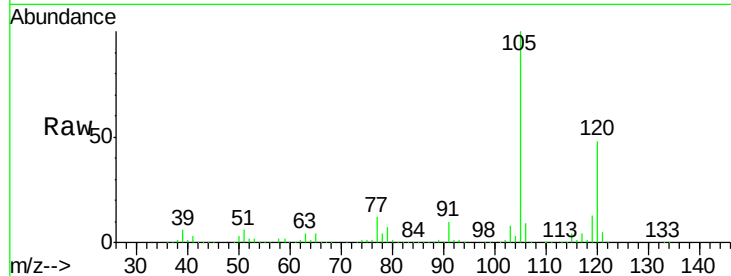
MW-4

Tgt Ion: 105 Resp: 221762

Ion Ratio Lower Upper

105 100

134 0.0 10.9 32.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

50000

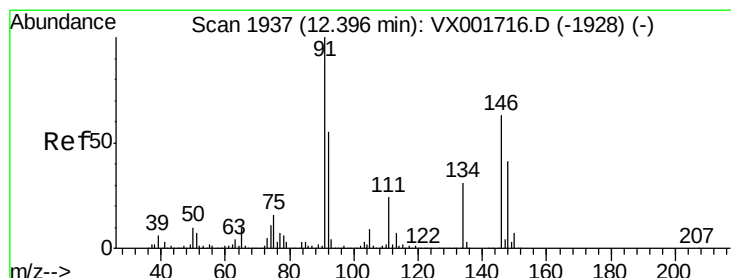
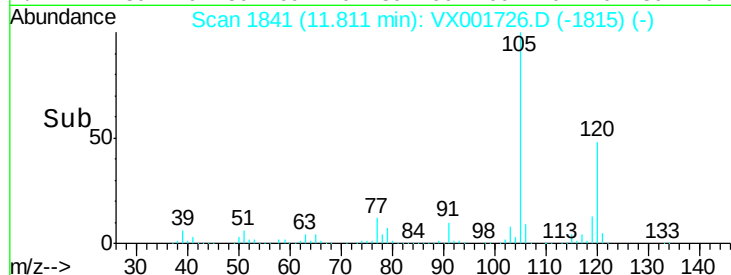
0

11.81

11.80

11.90

Time-->



#89

n-Butylbenzene

Concen: 0.40 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

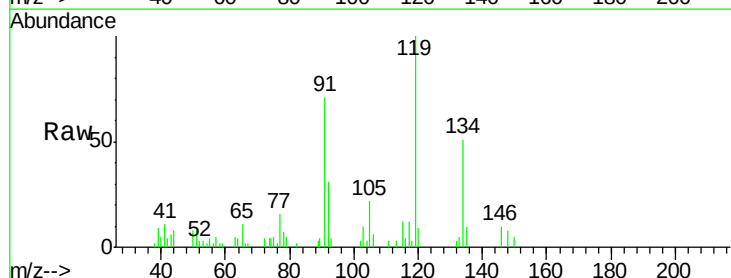
Tgt Ion: 91 Resp: 4631

Ion Ratio Lower Upper

91 100

92 32.1 27.3 81.9

134 105.8 14.7 44.1#



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

15000

10000

5000

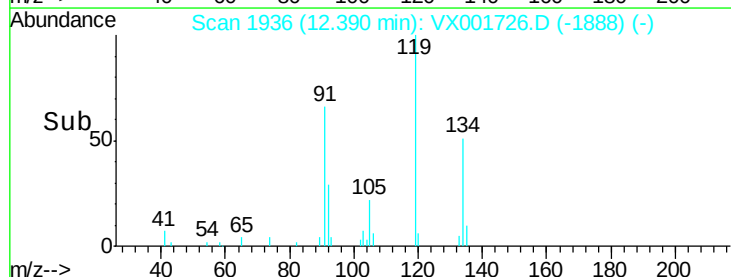
0

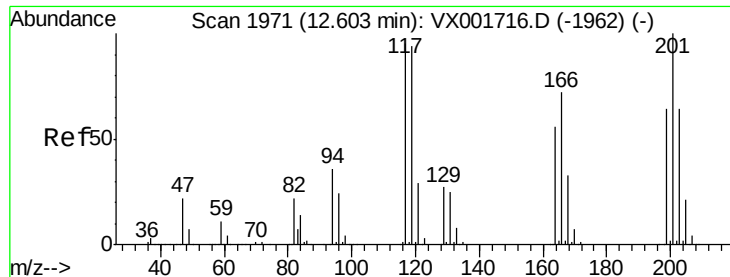
12.39

12.35

12.40

Time-->





#90

Hexachloroethane

Concen: 8.29 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

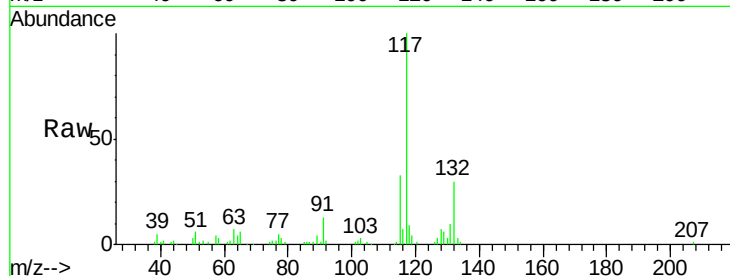
MW-4

Tgt Ion:117 Resp: 17033

Ion Ratio Lower Upper

117 100

201 0.0 51.9 155.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.76

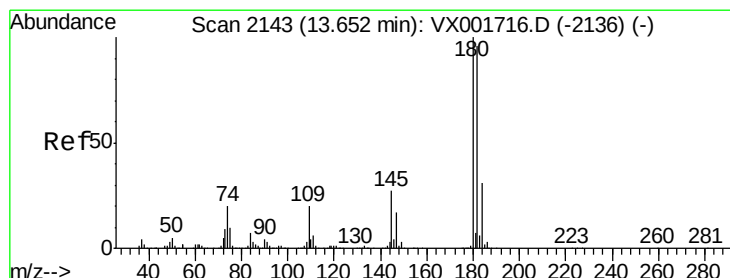
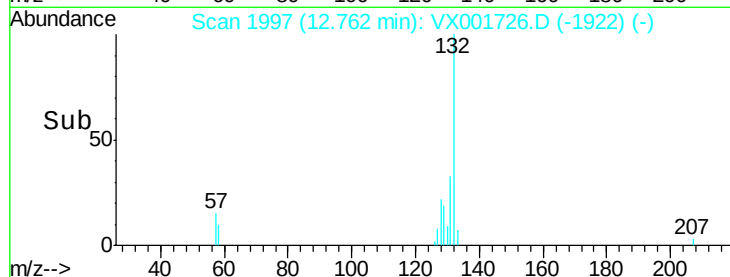
15000

10000

5000

0

Time--> 12.70 12.75 12.80



#93

1,2,4-Trichlorobenzene

Concen: 0.21 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

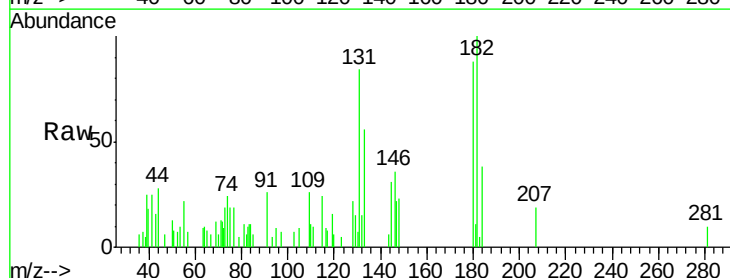
Tgt Ion:180 Resp: 1271

Ion Ratio Lower Upper

180 100

182 90.4 47.6 142.9

145 42.9 13.4 40.1#



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

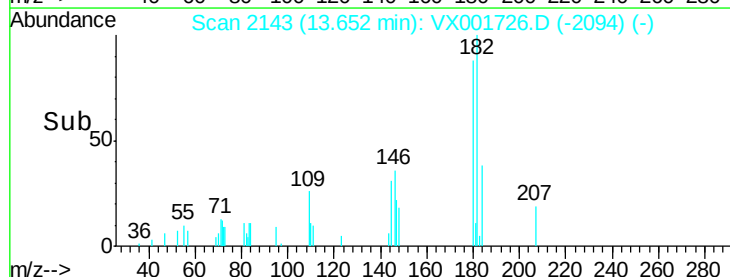
13.65

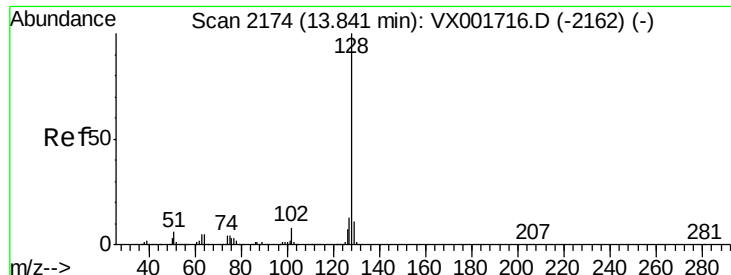
1000

500

0

Time--> 13.60 13.65 13.70





#95
Naphthalene
Concen: 5.45 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.4	8.9	13.3

