

Data File : VX000543.D

Acq On : 30 Mar 2018 05:10

Operator : JC/MD

Sample : J2094-05

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
22052-53

Quant Time: Mar 30 07:05:29 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	107277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	187727	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	104120	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	75593	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	5.51	113	60591	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	8.73	98	246493	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.15	95	86804	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	

Target Compounds

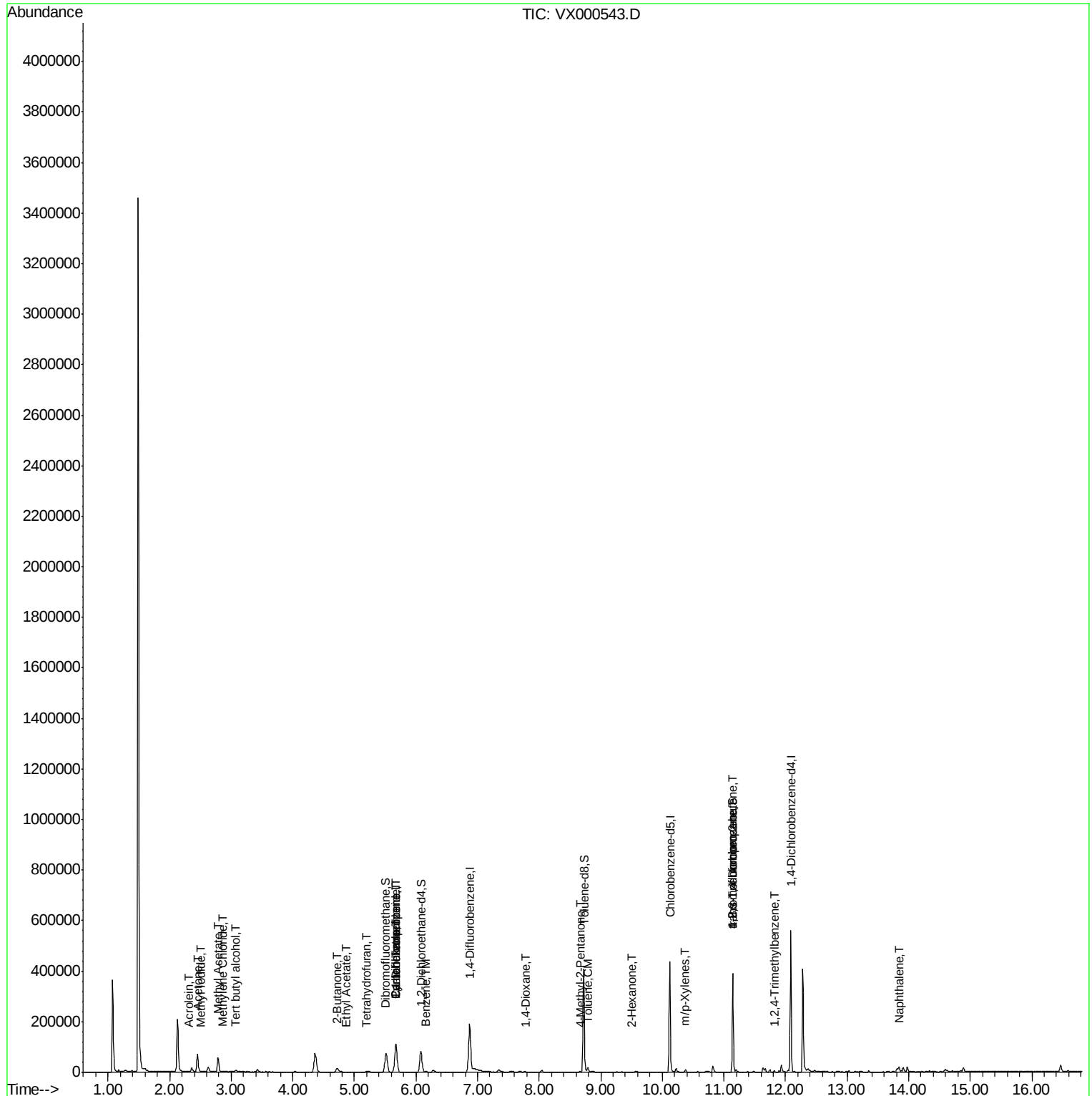
						Qvalue
6) Chloroethane	1.73	64	241	Below Cal	#	44
10) Methyl Iodide	2.51	142	21	4.29	ug/l #	37
11) Tert butyl alcohol	3.07	59	7580	15.74	ug/l	97
13) Acrolein	2.31	56	936	20.31	ug/l #	67
16) Acetone	2.45	43	77238	66.30	ug/l	98
18) Methyl Acetate	2.79	43	66102	27.07	ug/l	99
20) Methylene Chloride	2.86	84	1263	0.94	ug/l #	84
25) 2-Butanone	4.73	43	27797	21.23	ug/l	95
29) Tetrahydrofuran	5.18	42	565	0.70	ug/l #	51
31) Cyclohexane	5.68	56	2735	1.55	ug/l #	39
36) 1,1-Dichloropropene	5.67	75	8022	4.56	ug/l #	52
37) Ethyl Acetate	4.87	43	1753	0.73	ug/l #	83
38) Carbon Tetrachloride	5.67	117	10405	5.64	ug/l #	20
40) Benzene	6.15	78	4982	0.98	ug/l	97
49) 1,4-Dioxane	7.78	88	322	8.82	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	1722	0.62	ug/l #	66
52) Toluene	8.79	92	5272	1.48	ug/l	99
59) 2-Hexanone	9.51	43	682	0.29	ug/l	79
68) m/p-Xylenes	10.37	106	705	0.25	ug/l	89
74) N-amyl acetate	6.37	43	320	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	50013	22.35	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	50013	72.36	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	1592	0.26	ug/l	68
95) Naphthalene	13.84	128	10188	1.20	ug/l	100

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

ALS Vial : 41 Sample Multiplier: 1

22052-53

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

Instrument :

MSVOA_X

ClientSampleId :

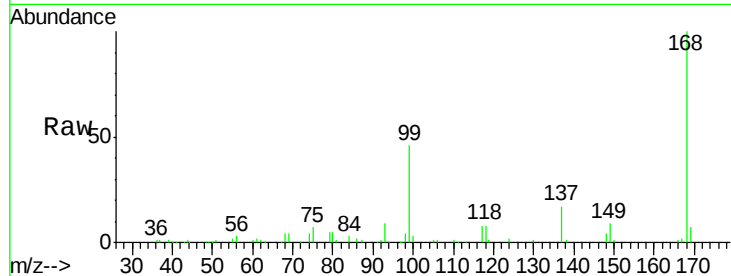
22052-53

Tgt Ion:168 Resp: 107277

Ion Ratio Lower Upper

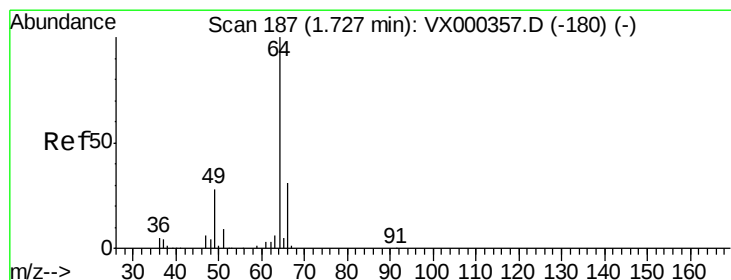
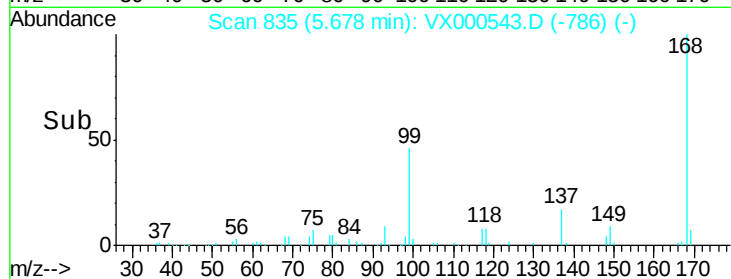
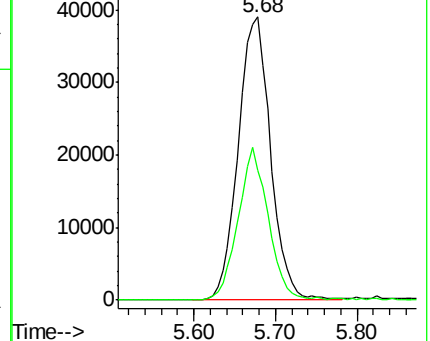
168 100

99 45.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000543.D

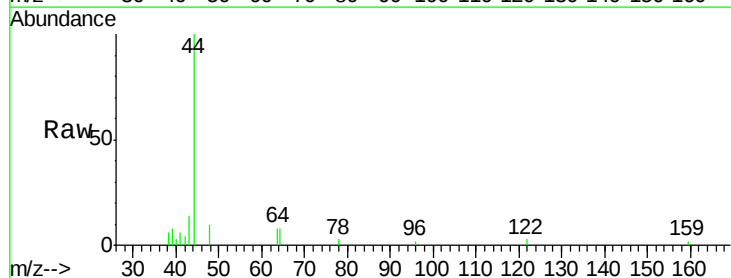
Acq: 30 Mar 2018 05:10

Tgt Ion: 64 Resp: 241

Ion Ratio Lower Upper

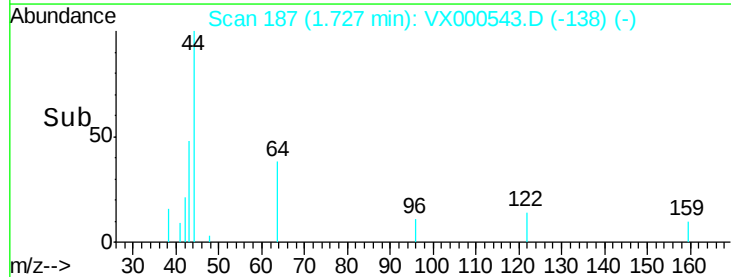
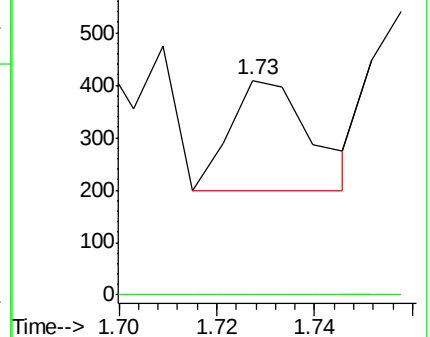
64 100

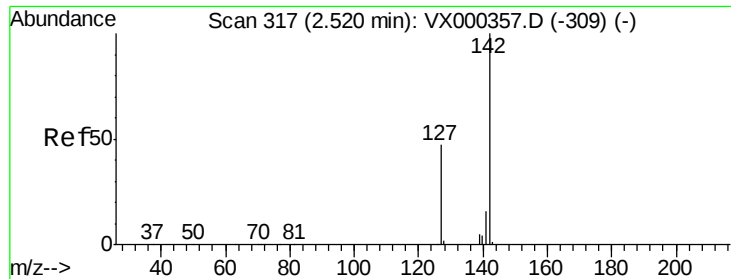
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

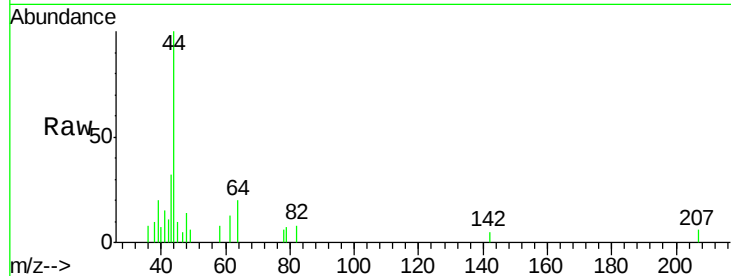




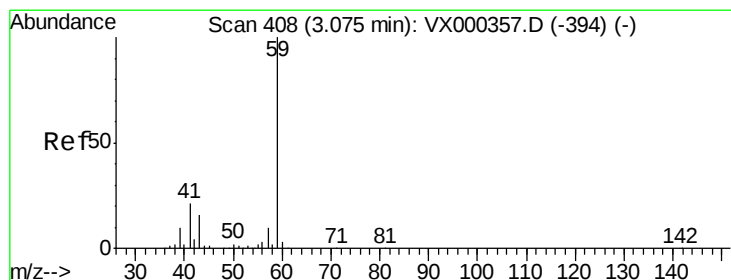
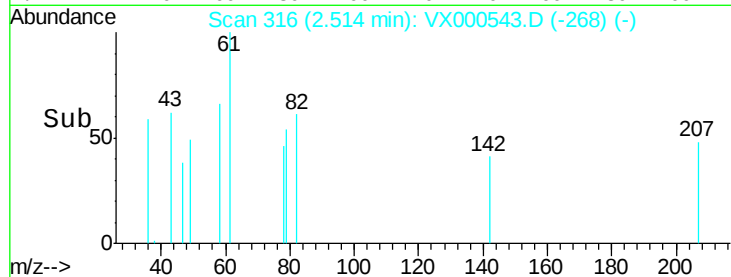
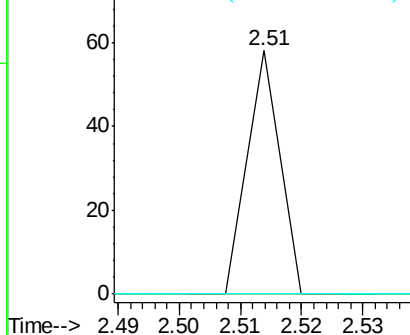
#10
Methyl Iodide
Concen: 4.29 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX000543.D
Acq: 30 Mar 2018 05:10

Instrument :
MSVOA_X
ClientSampleId :
22052-53

Tgt Ion: 142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#

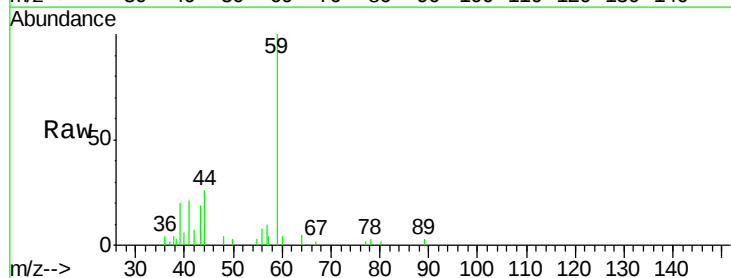


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

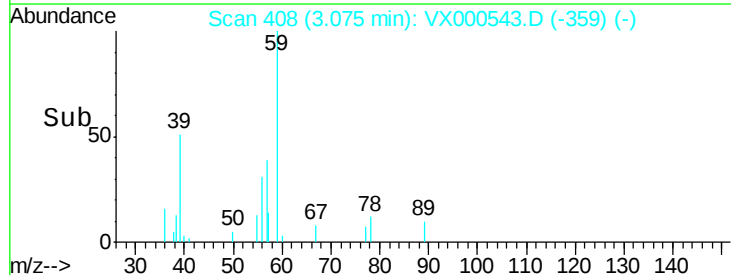
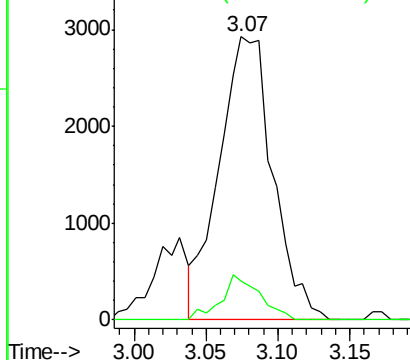


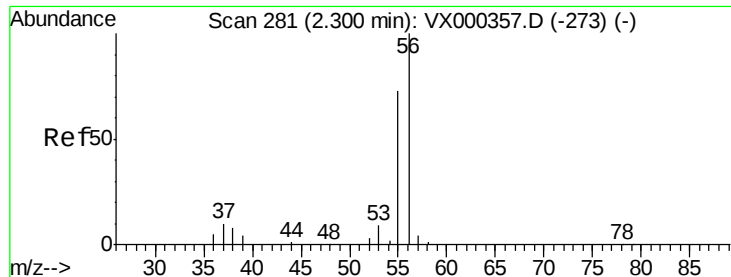
#11
Tert butyl alcohol
Concen: 15.74 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX000543.D
Acq: 30 Mar 2018 05:10

Tgt Ion: 59 Resp: 7580
Ion Ratio Lower Upper
59 100
57 11.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 20.31 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

Instrument :

MSVOA_X

ClientSampled :

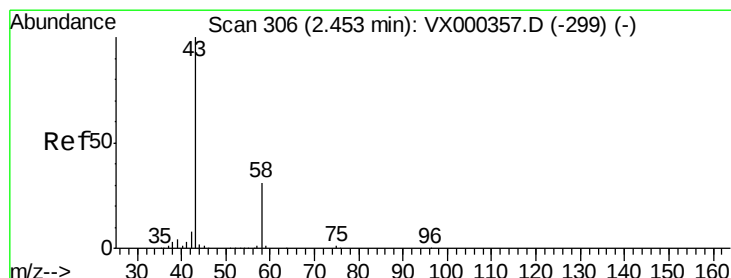
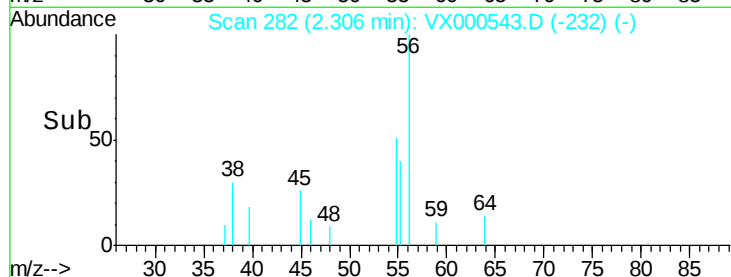
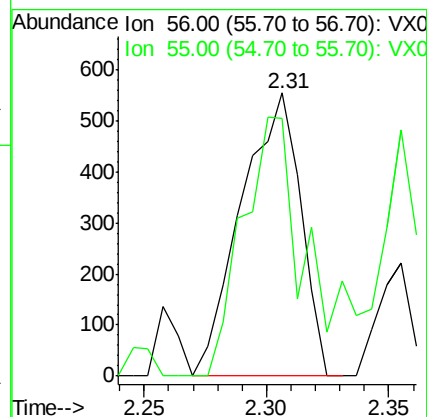
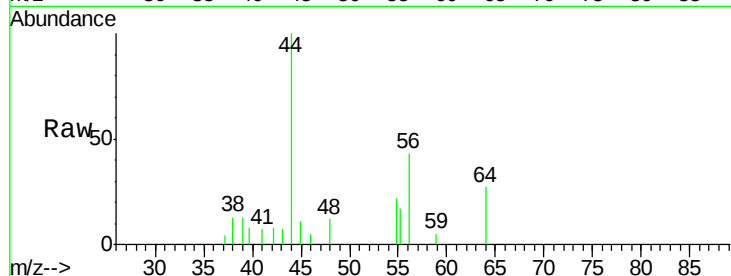
22052-53

Tgt Ion: 56 Resp: 936

Ion Ratio Lower Upper

56 100

55 101.1 58.8 88.2#



#16

Acetone

Concen: 66.30 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000543.D

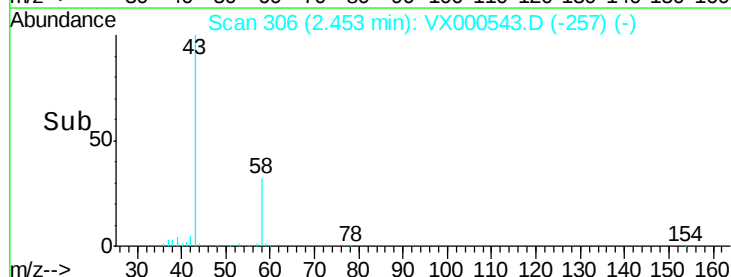
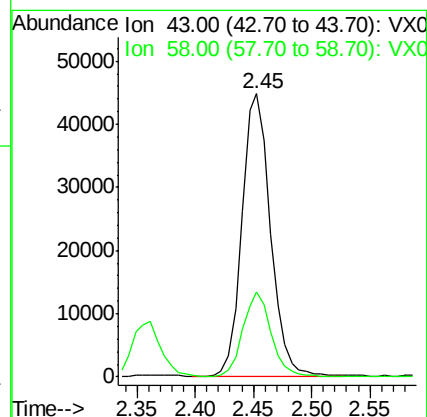
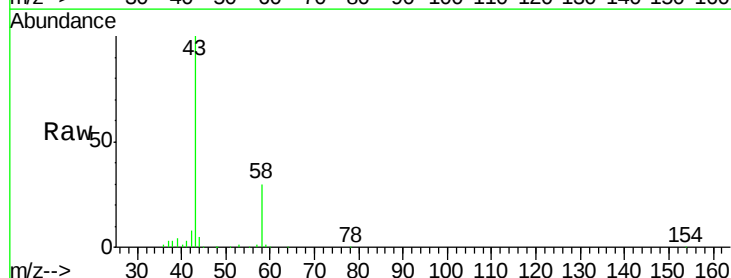
Acq: 30 Mar 2018 05:10

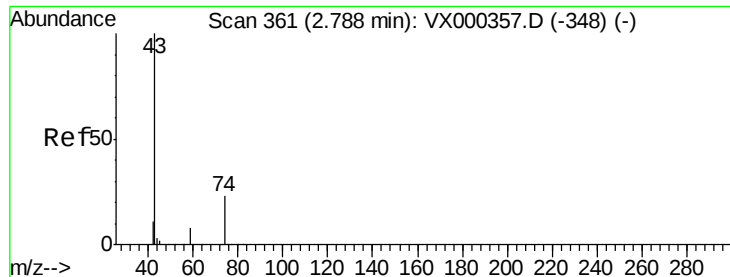
Tgt Ion: 43 Resp: 77238

Ion Ratio Lower Upper

43 100

58 30.0 24.7 37.1

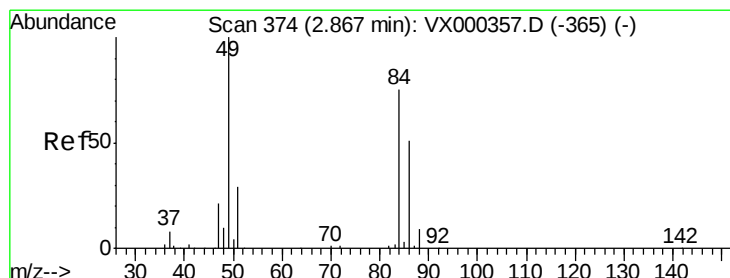
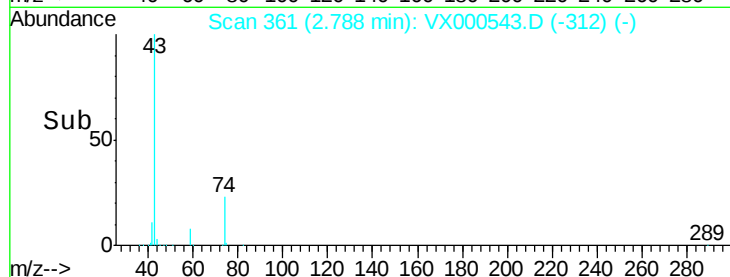
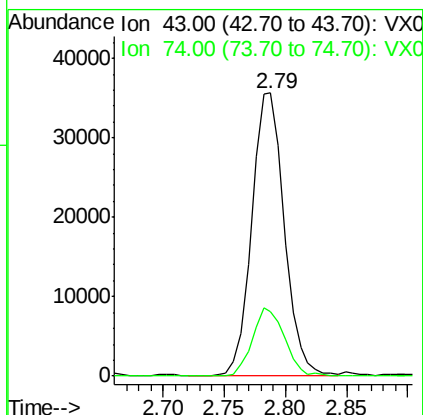
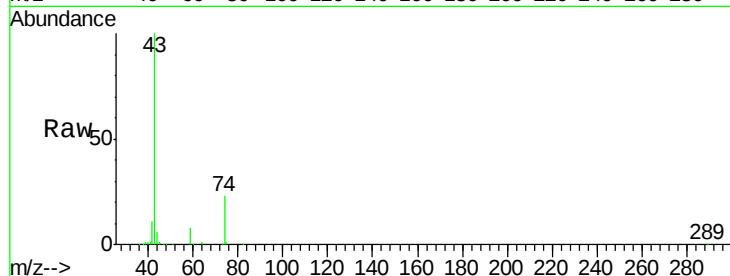




#18
Methyl Acetate
Concen: 27.07 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000543.D
Acq: 30 Mar 2018 05:10

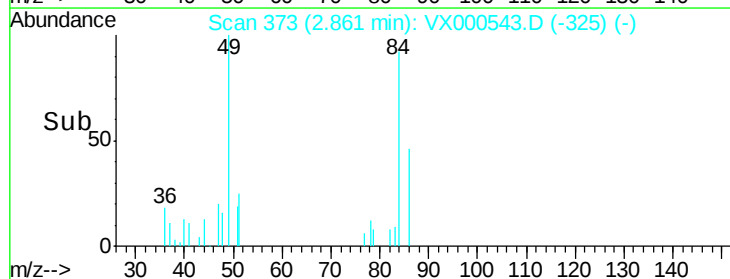
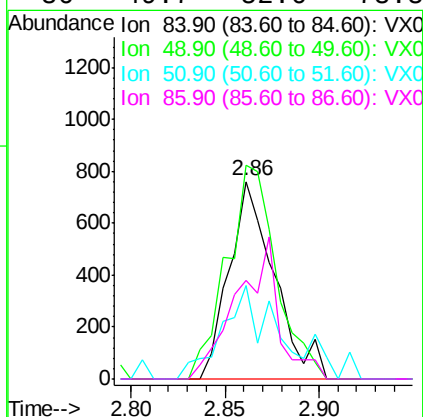
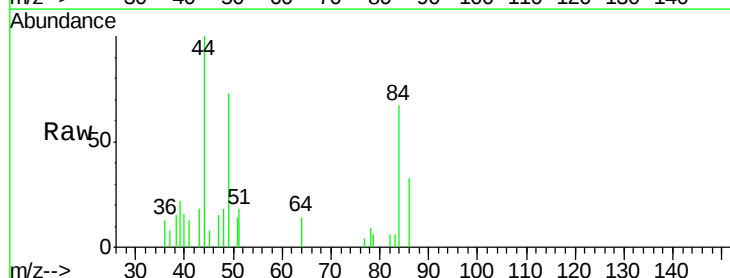
Instrument :
MSVOA_X
ClientSampleId :
22052-53

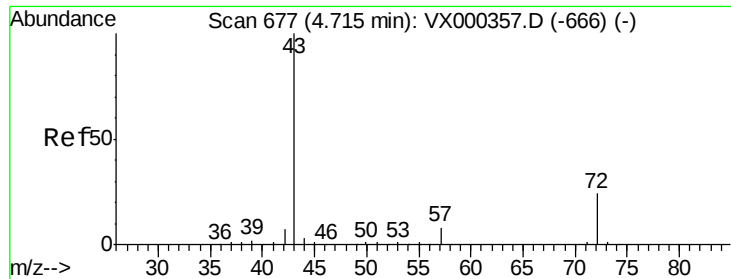
Tgt Ion: 43 Resp: 66102
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2



#20
Methylene Chloride
Concen: 0.94 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000543.D
Acq: 30 Mar 2018 05:10

Tgt Ion: 84 Resp: 1263
Ion Ratio Lower Upper
84 100
49 108.3 100.6 151.0
51 47.1 31.6 47.4
86 49.7 52.6 78.8#





#25

2-Butanone

Concen: 21.23 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

Instrument :

MSVOA_X

ClientSampled :

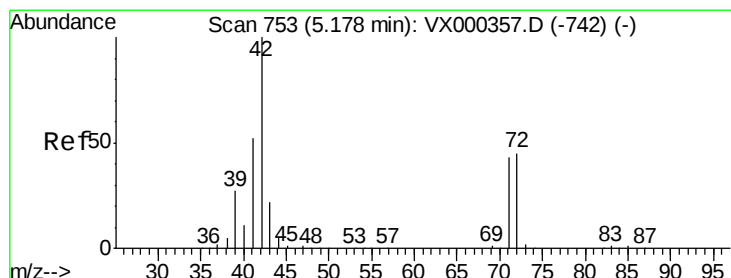
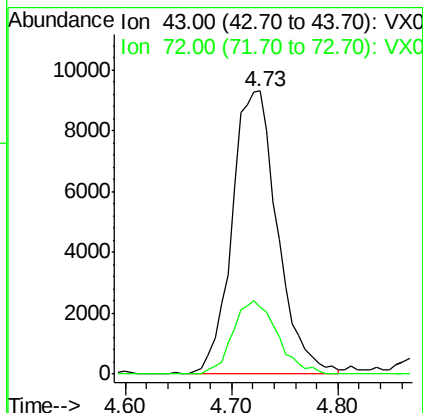
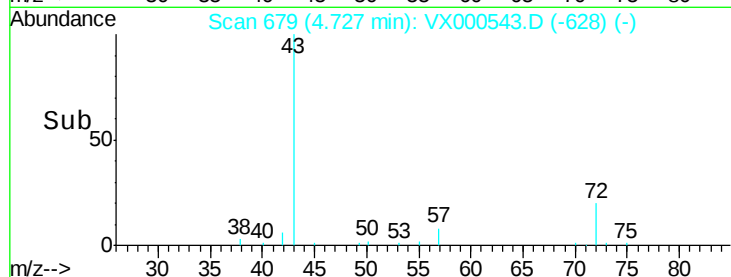
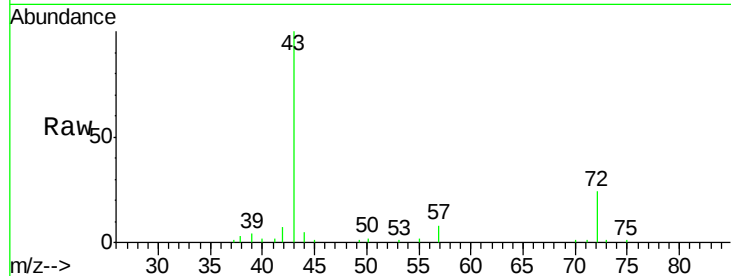
22052-53

Tgt Ion: 43 Resp: 27797

Ion Ratio Lower Upper

43 100

72 23.6 21.0 31.6



#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

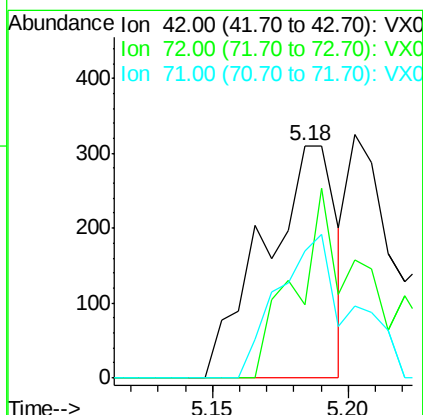
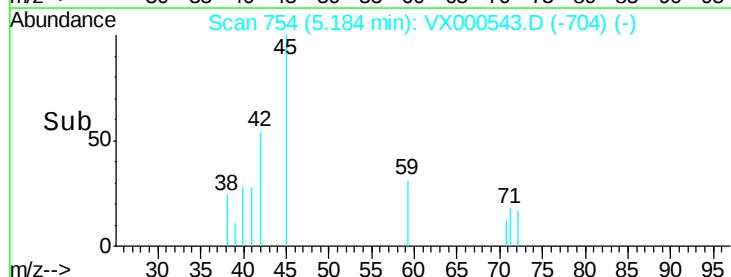
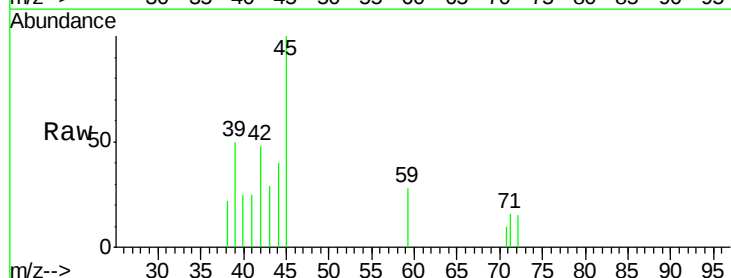
Tgt Ion: 42 Resp: 565

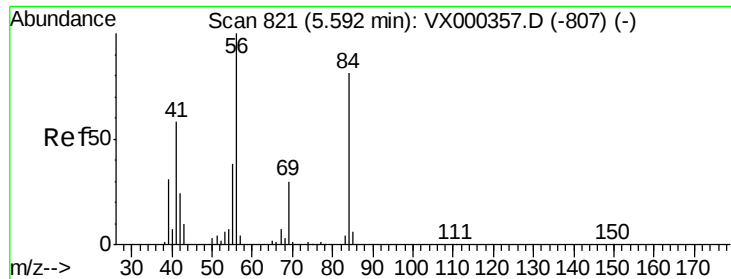
Ion Ratio Lower Upper

42 100

72 91.9 37.9 56.9#

71 62.7 34.4 51.6#

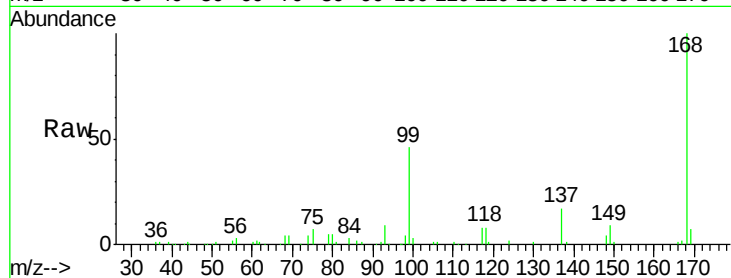




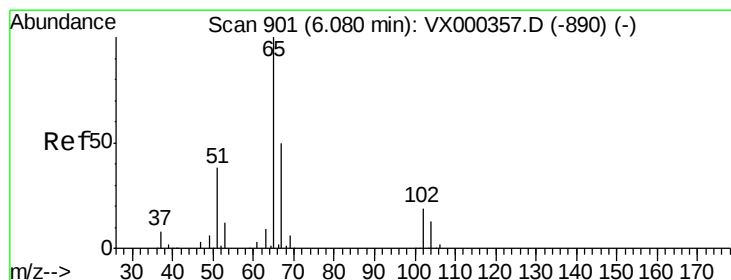
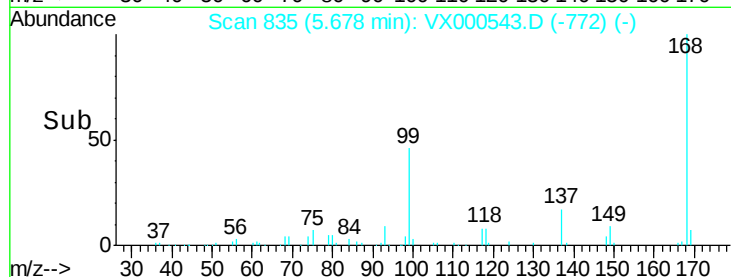
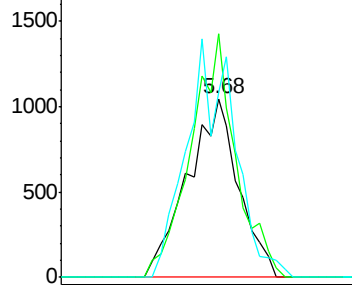
#31
Cyclohexane
Concen: 1.55 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000543.D
Acq: 30 Mar 2018 05:10

Instrument :
MSVOA_X
ClientSampleId :
22052-53

Tgt Ion: 56 Resp: 2735
Ion Ratio Lower Upper
56 100
69 136.3 23.4 35.0#
84 103.1 71.0 106.4

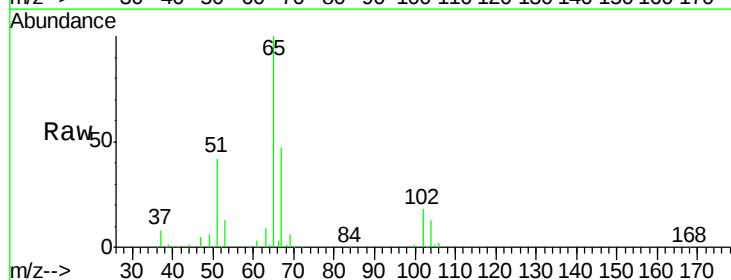


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

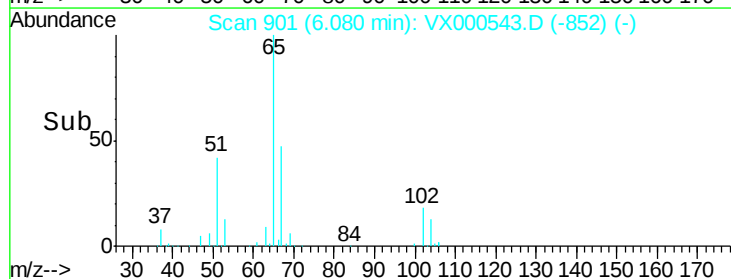
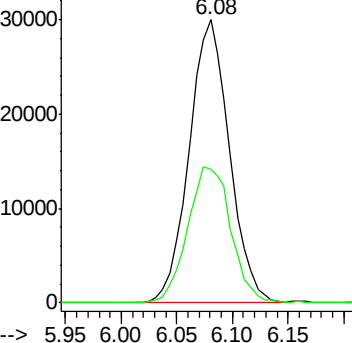


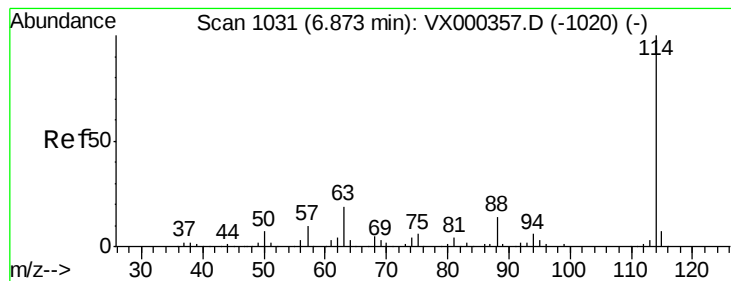
#33
1,2-Dichloroethane-d4
Concen: 53.98 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000543.D
Acq: 30 Mar 2018 05:10

Tgt Ion: 65 Resp: 75593
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.2



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

Instrument :

MSVOA_X

ClientSampled :

22052-53

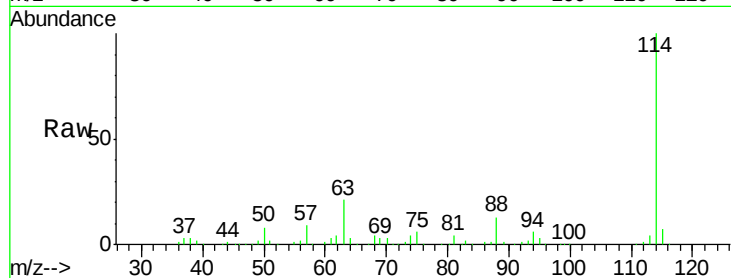
Tgt Ion:114 Resp: 187727

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.4

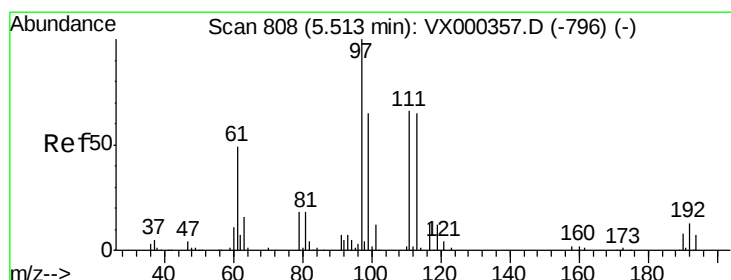
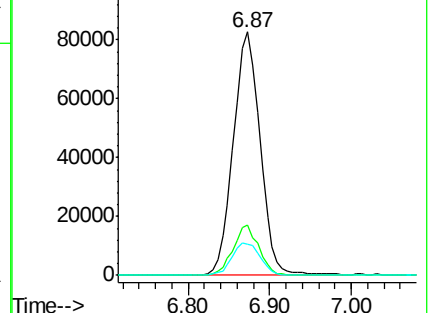
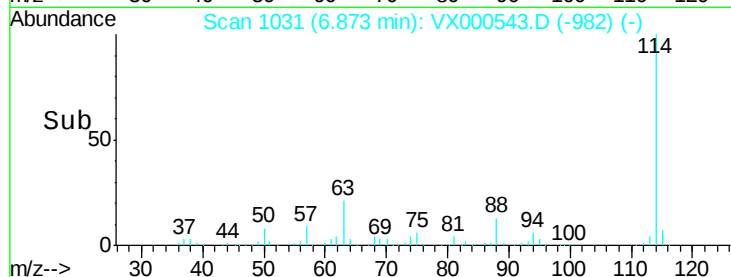
88 13.0 0.0 27.0



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: 51.22 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

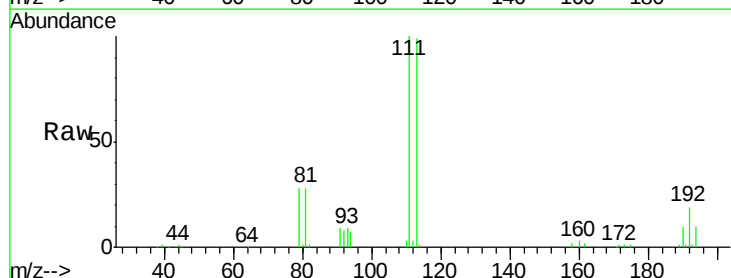
Tgt Ion:113 Resp: 60591

Ion Ratio Lower Upper

113 100

111 101.4 82.4 123.6

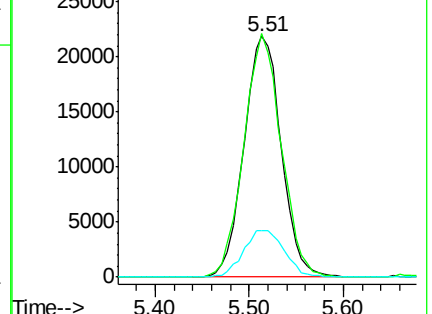
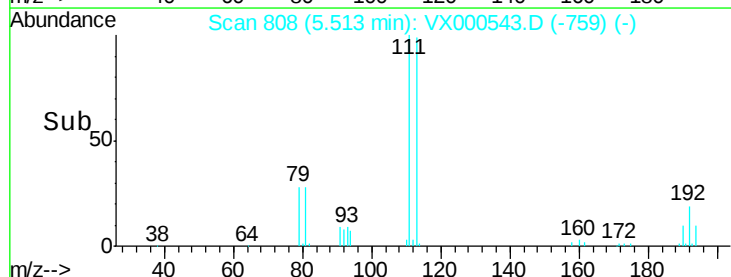
192 21.2 15.8 23.6

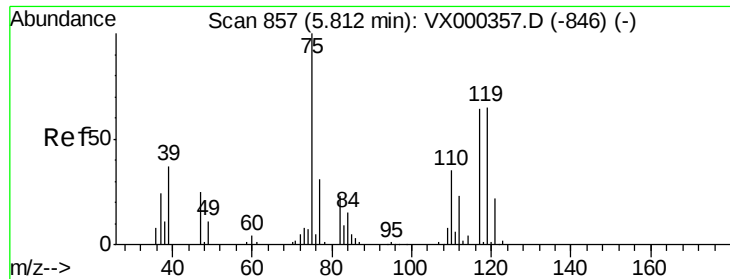


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

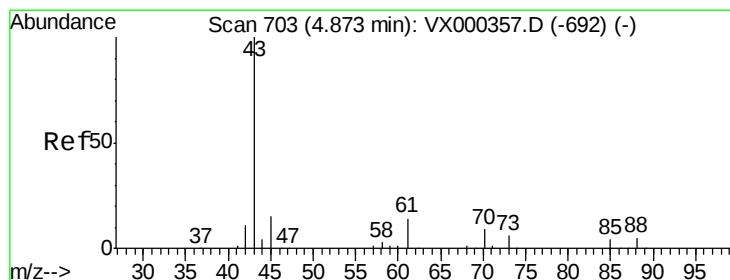
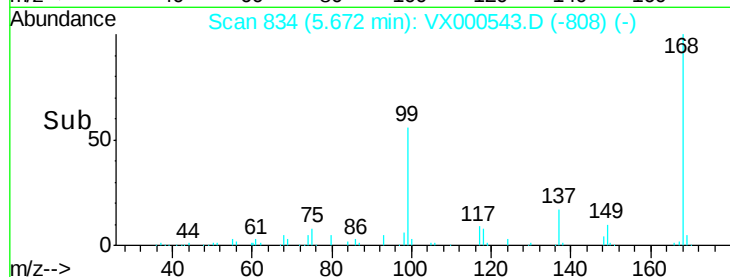
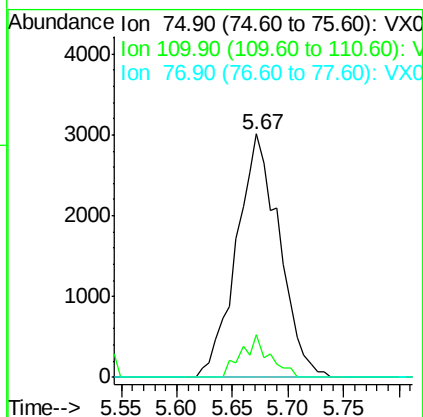
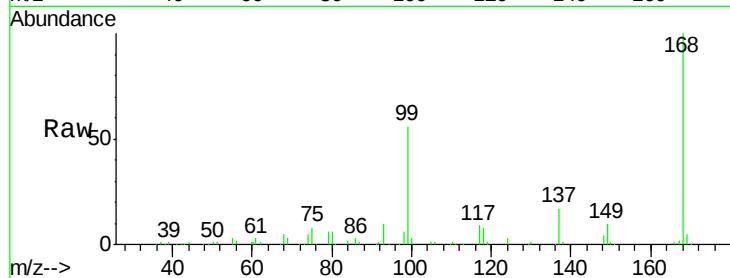




#36
 1,1-Dichloropropene
 Concen: 4.56 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000543.D
 Acq: 30 Mar 2018 05:10

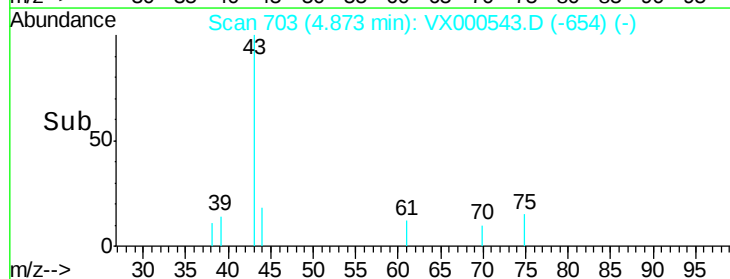
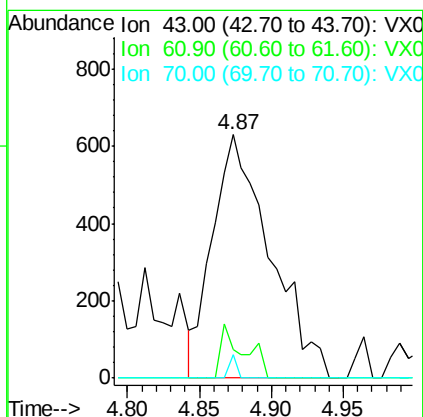
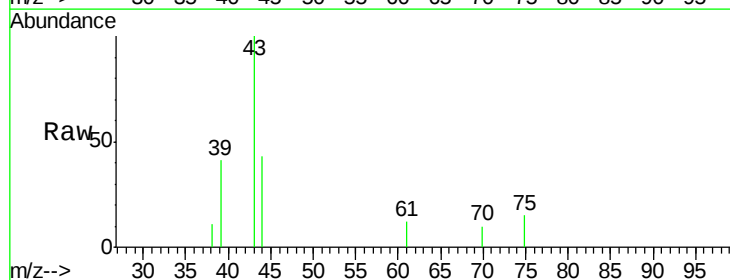
Instrument :
 MSVOA_X
 ClientSampleId :
 22052-53

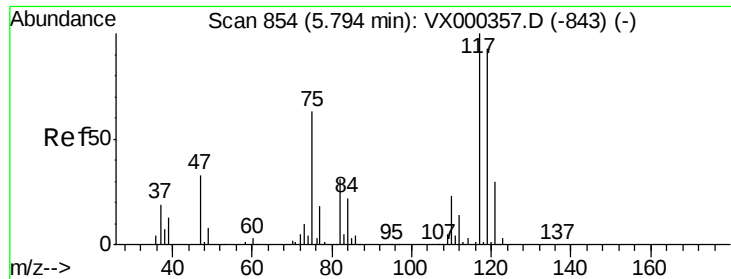
Tgt Ion: 75 Resp: 8022
 Ion Ratio Lower Upper
 75 100
 110 11.5 17.9 53.7#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.73 ug/l
 RT: 4.87 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VX000543.D
 Acq: 30 Mar 2018 05:10

Tgt Ion: 43 Resp: 1753
 Ion Ratio Lower Upper
 43 100
 61 8.8 11.1 16.7#
 70 1.3 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 5.64 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

Instrument :

MSVOA_X

ClientSampleId :

22052-53

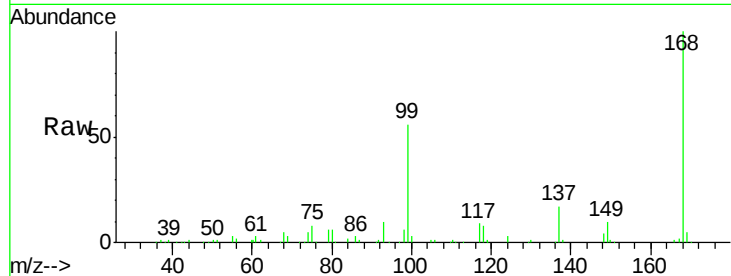
Tgt Ion:117 Resp: 10405

Ion Ratio Lower Upper

117 100

119 10.6 77.4 116.2#

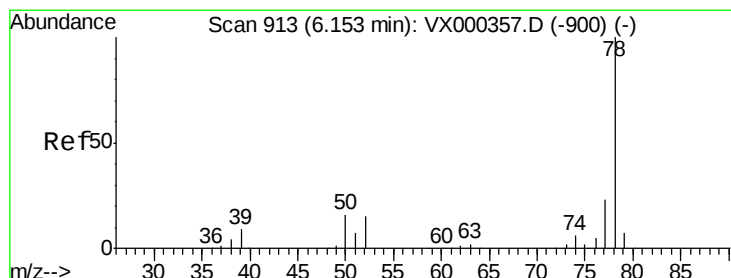
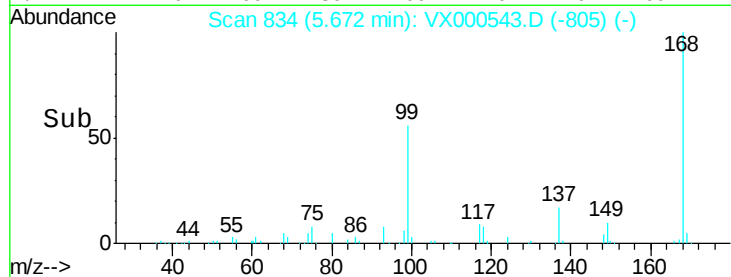
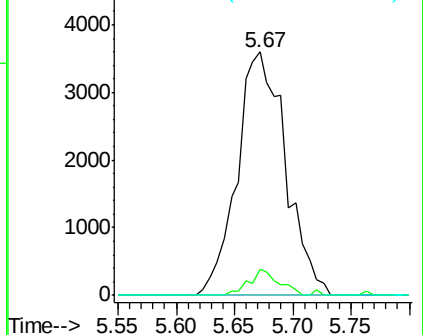
121 0.0 24.8 37.2#



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



#40

Benzene

Concen: 0.98 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX000543.D

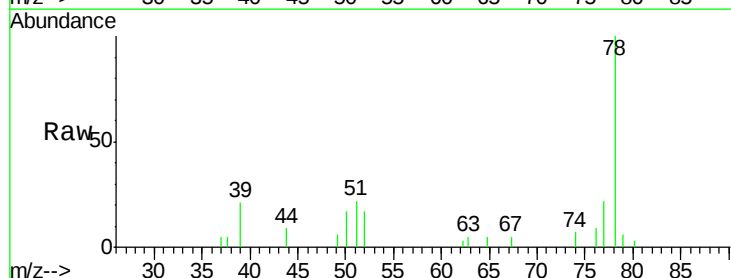
Acq: 30 Mar 2018 05:10

Tgt Ion: 78 Resp: 4982

Ion Ratio Lower Upper

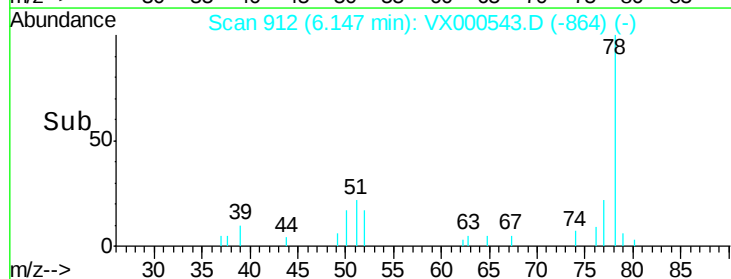
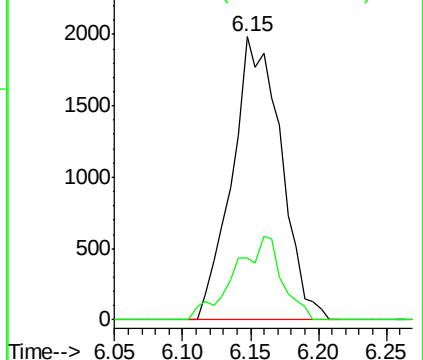
78 100

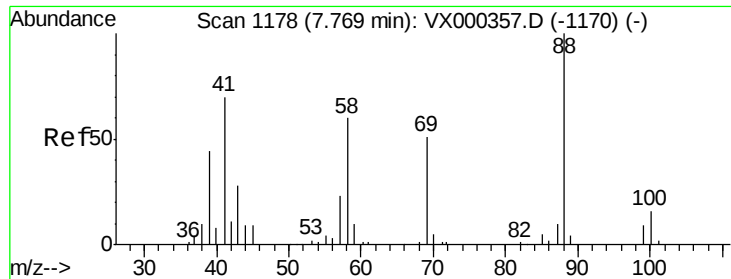
77 21.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

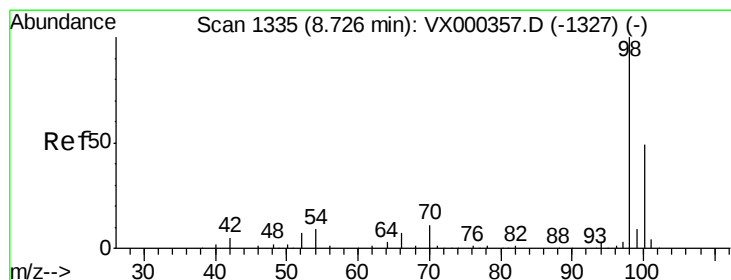
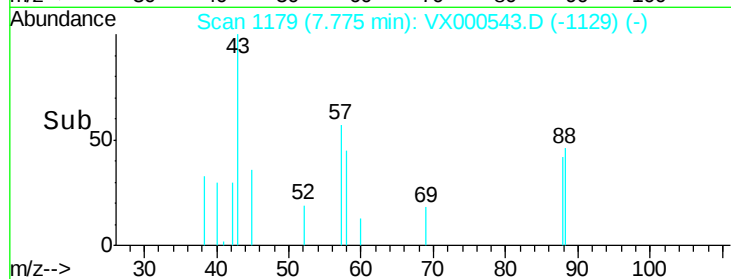
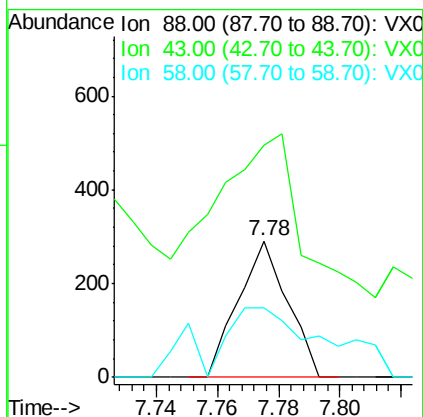
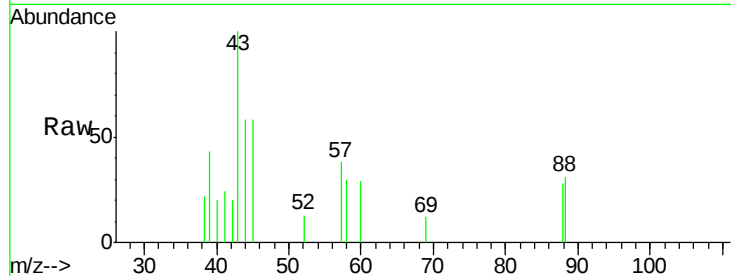




#49
1,4-Dioxane
Concen: 8.82 ug/l
RT: 7.78 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX000543.D
Acq: 30 Mar 2018 05:10

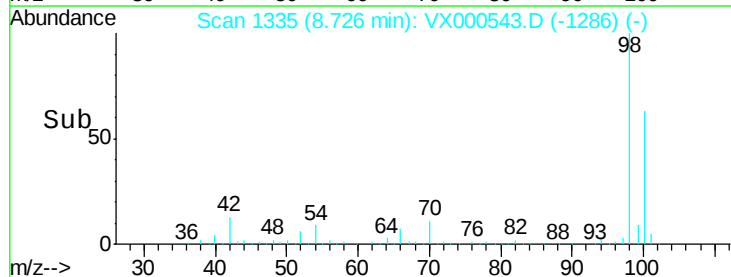
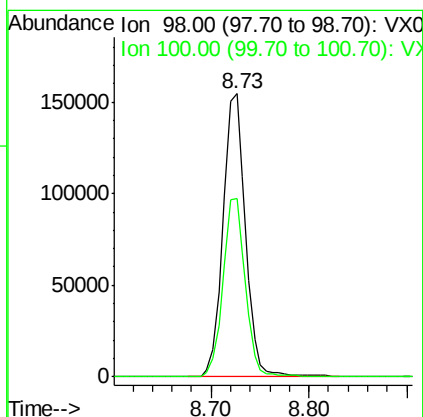
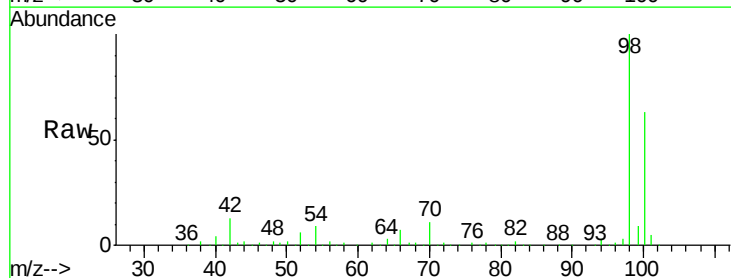
Instrument :
MSVOA_X
ClientSampleId :
22052-53

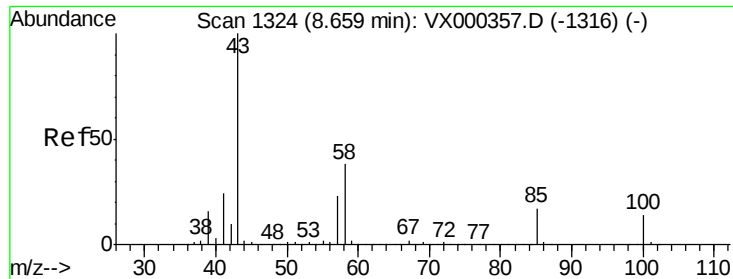
Tgt Ion: 88 Resp: 322
Ion Ratio Lower Upper
88 100
43 200.6 26.8 40.2#
58 100.6 52.2 78.2#



#50
Toluene-d8
Concen: 50.32 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000543.D
Acq: 30 Mar 2018 05:10

Tgt Ion: 98 Resp: 246493
Ion Ratio Lower Upper
98 100
100 62.9 51.2 76.8

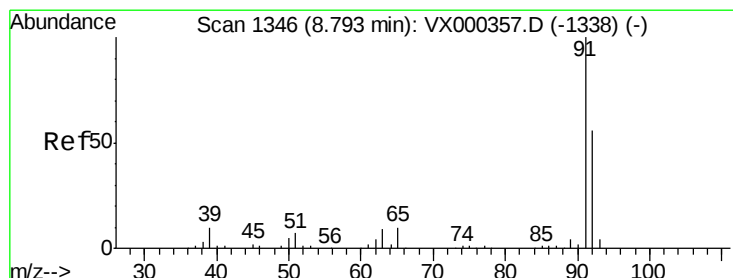
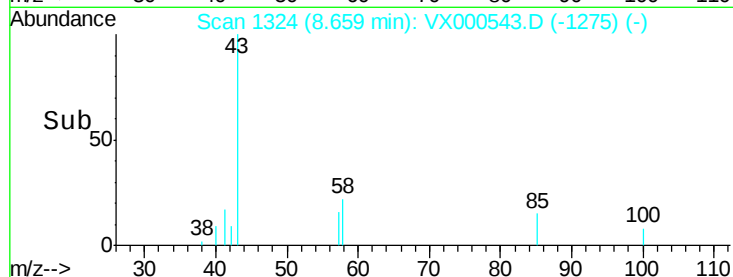
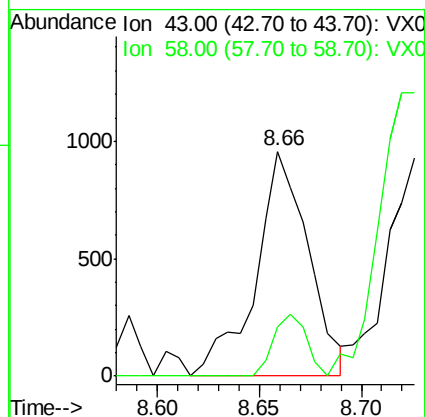
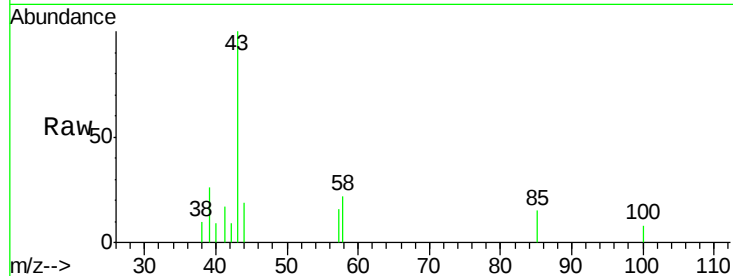




#51
 4-Methyl-2-Pentanone
 Concen: 0.62 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX000543.D
 Acq: 30 Mar 2018 05:10

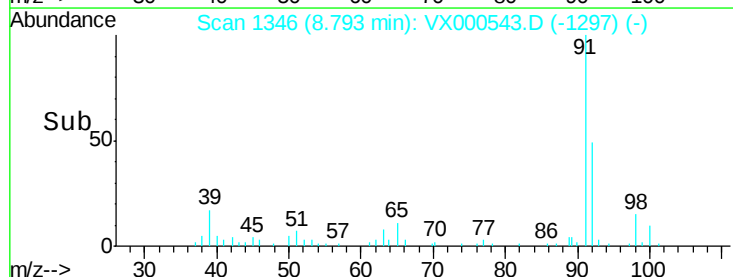
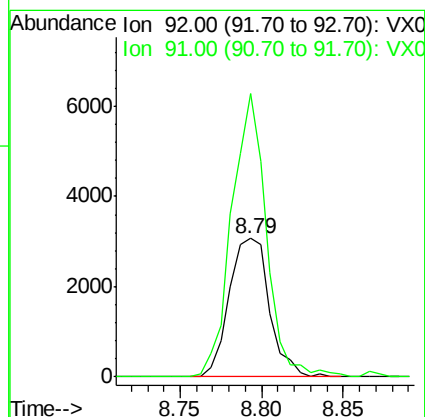
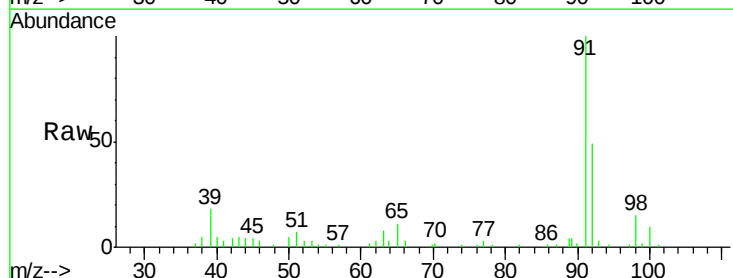
Instrument :
 MSVOA_X
 ClientSampleId :
 22052-53

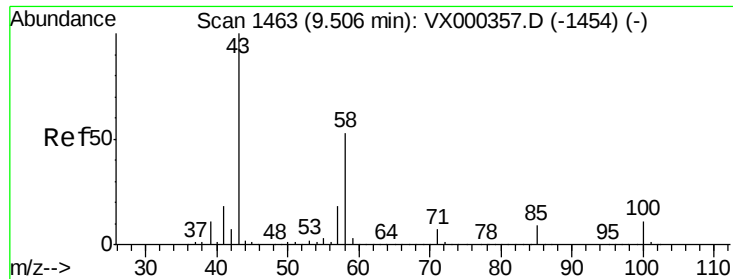
Tgt Ion: 43 Resp: 1722
 Ion Ratio Lower Upper
 43 100
 58 17.2 30.3 45.5#



#52
 Toluene
 Concen: 1.48 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VX000543.D
 Acq: 30 Mar 2018 05:10

Tgt Ion: 92 Resp: 5272
 Ion Ratio Lower Upper
 92 100
 91 176.2 140.2 210.2





#59

2-Hexanone

Concen: 0.29 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

Instrument :

MSVOA_X

ClientSampleId :

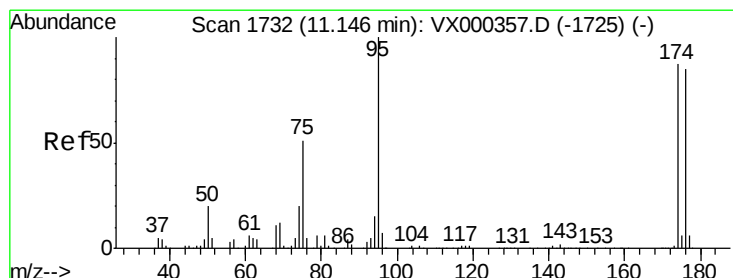
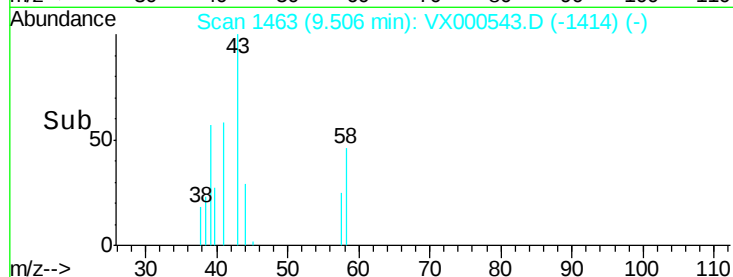
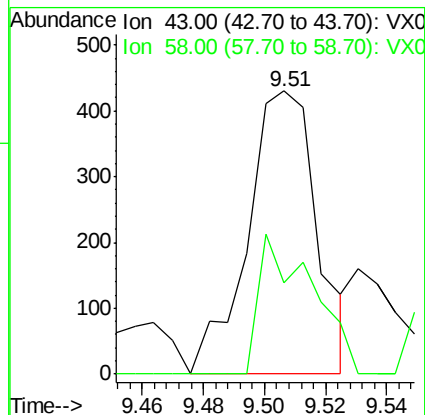
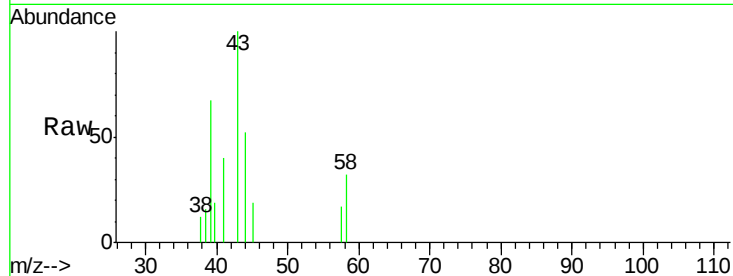
22052-53

Tgt Ion: 43 Resp: 682

Ion Ratio Lower Upper

43 100

58 38.0 26.6 79.7



#62

4-Bromofluorobenzene

Concen: 42.93 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

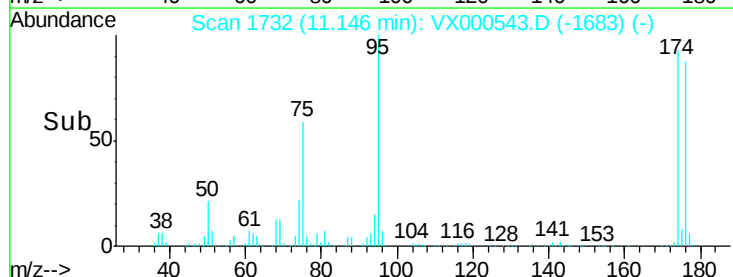
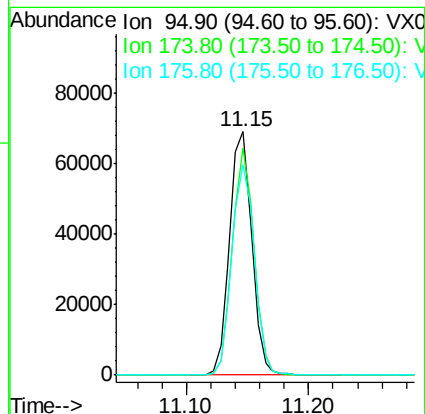
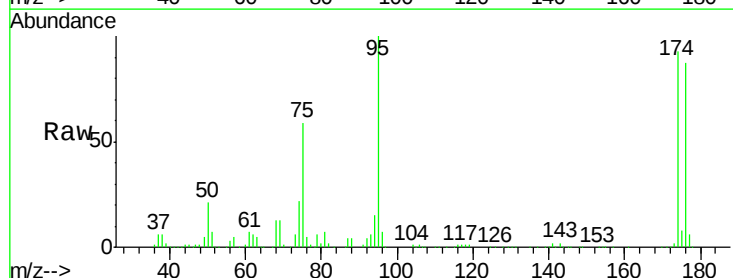
Tgt Ion: 95 Resp: 86804

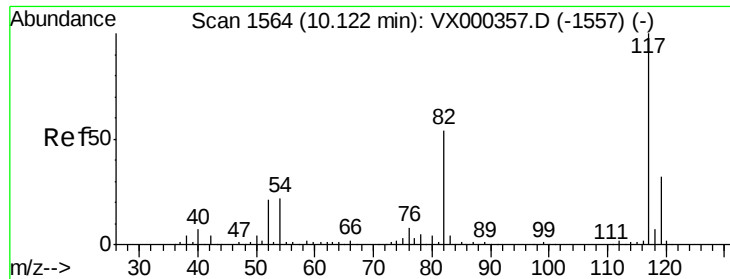
Ion Ratio Lower Upper

95 100

174 90.7 0.0 173.6

176 87.2 0.0 164.6

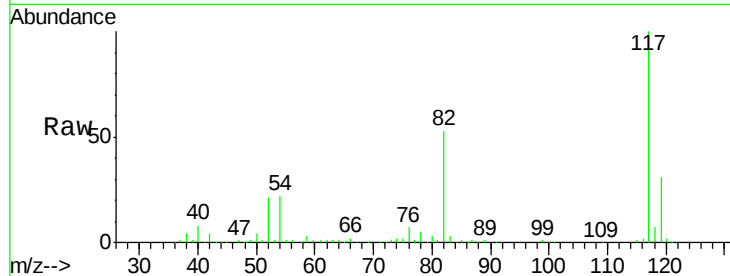




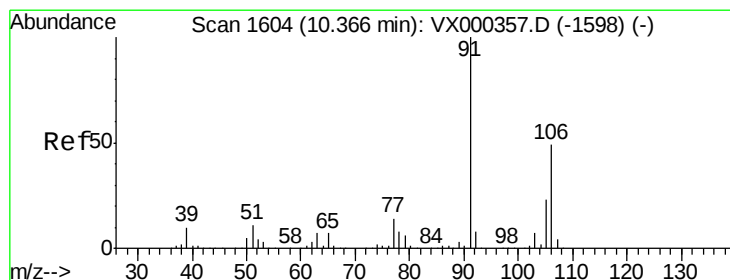
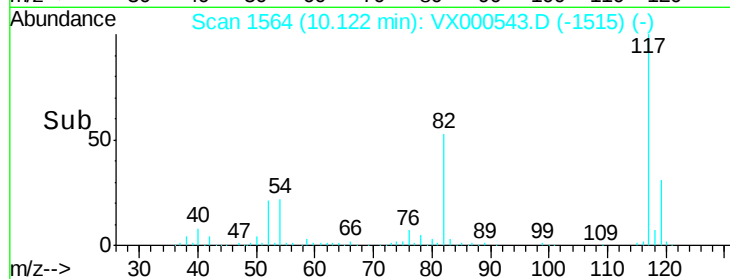
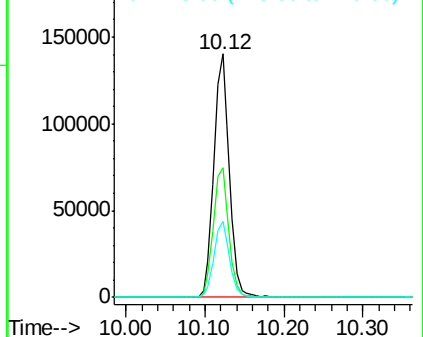
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000543.D
Acq: 30 Mar 2018 05:10

Instrument :
MSVOA_X
ClientSampleId :
22052-53

Tgt Ion:117 Resp: 191330
Ion Ratio Lower Upper
117 100
82 53.2 43.8 65.8
119 31.0 24.9 37.3

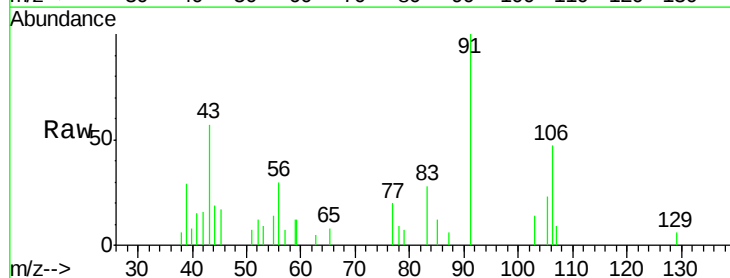


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

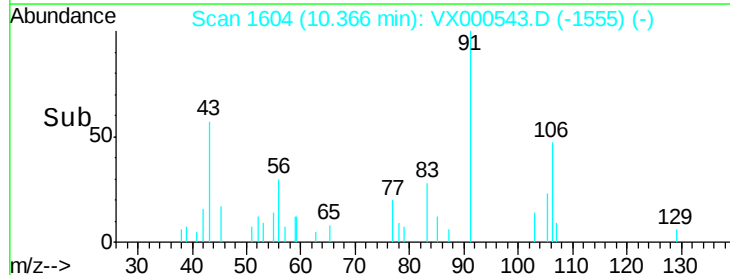
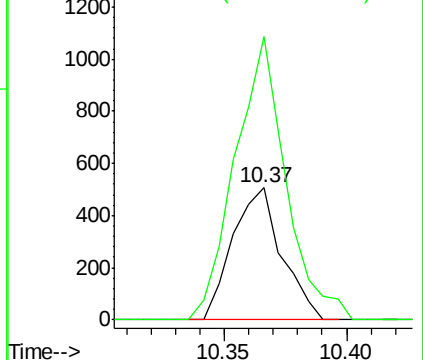


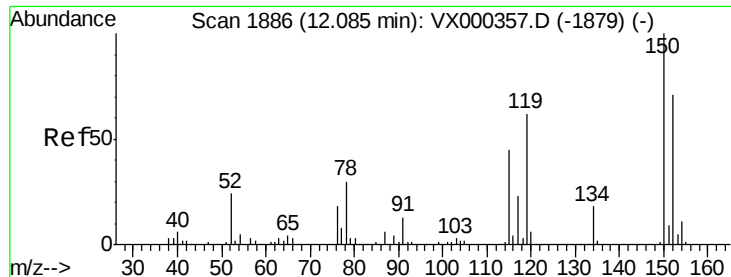
#68
m/p-Xylenes
Concen: 0.25 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000543.D
Acq: 30 Mar 2018 05:10

Tgt Ion:106 Resp: 705
Ion Ratio Lower Upper
106 100
91 221.8 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

Instrument :

MSVOA_X

ClientSampleId :

22052-53

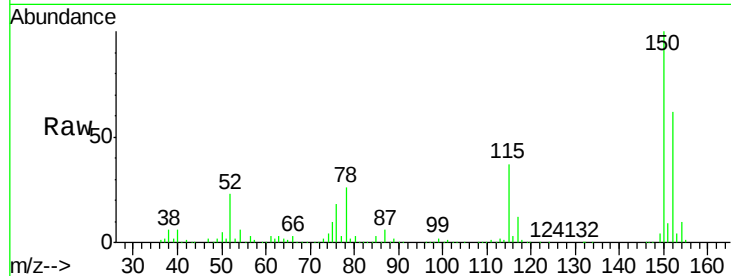
Tgt Ion:152 Resp: 104120

Ion Ratio Lower Upper

152 100

115 57.1 39.8 119.3

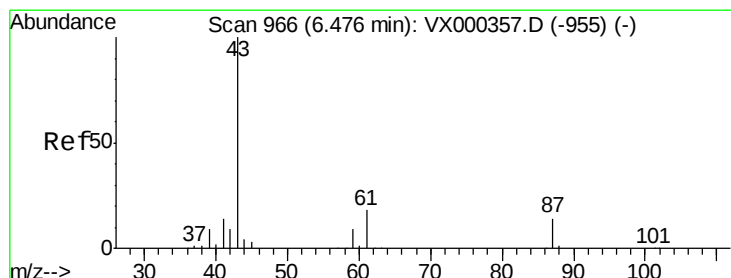
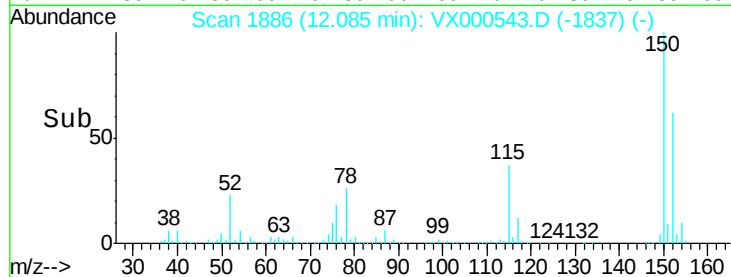
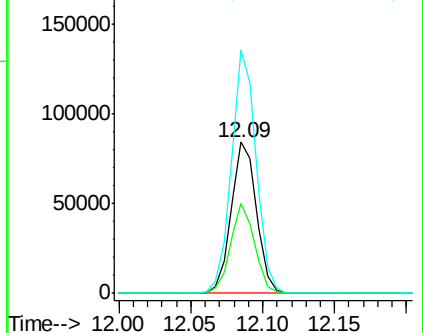
150 157.8 0.0 344.4



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



#74

N-amil acetate

Concen: Below Cal

RT: 6.37 min Scan# 949

Delta R.T. -0.10 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

Tgt Ion: 43 Resp: 320

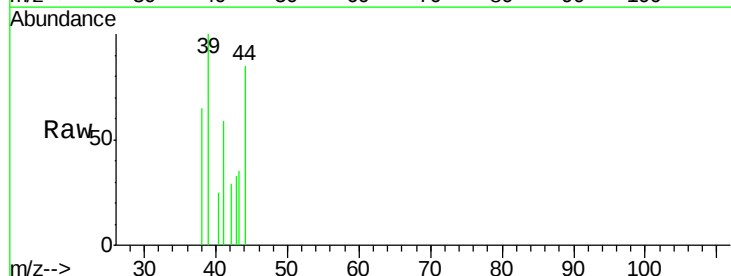
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 7.2 0.0 0.0#

61 0.0 14.4 21.6#

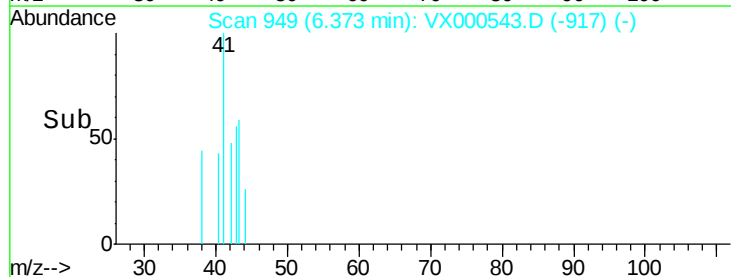
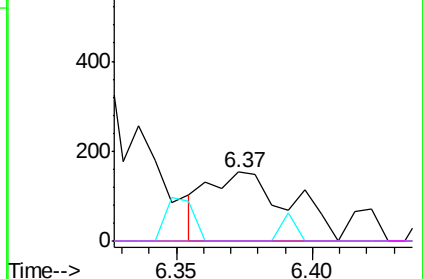


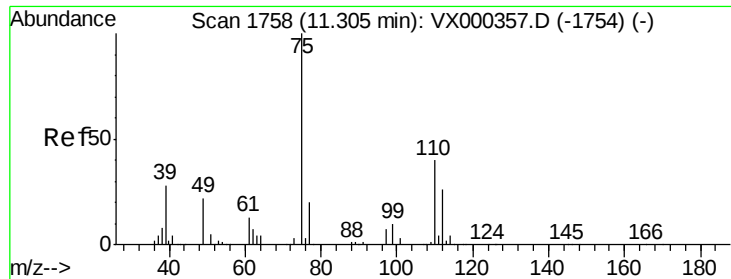
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.35 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

Instrument :

MSVOA_X

ClientSampleId :

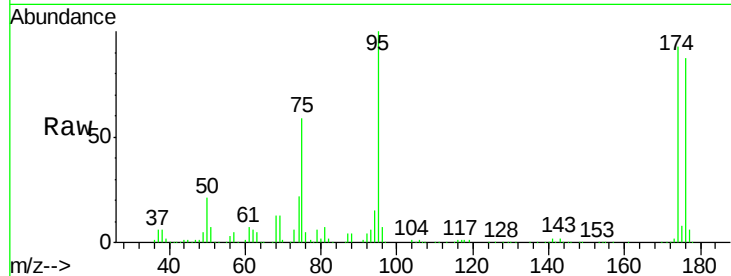
22052-53

Tgt Ion: 75 Resp: 50013

Ion Ratio Lower Upper

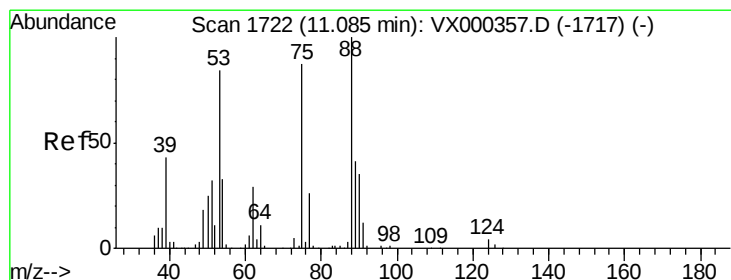
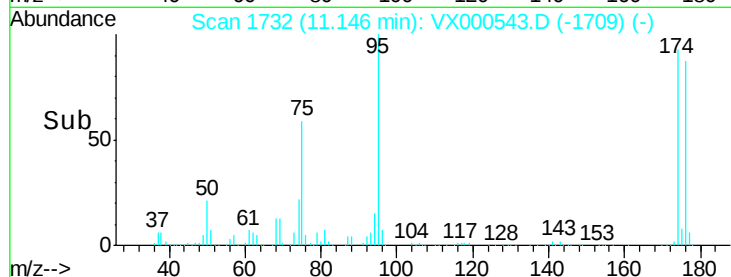
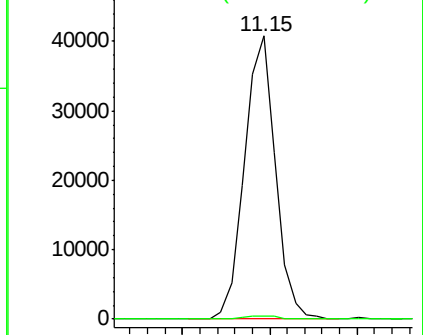
75 100

77 1.5 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 72.36 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000543.D

Acq: 30 Mar 2018 05:10

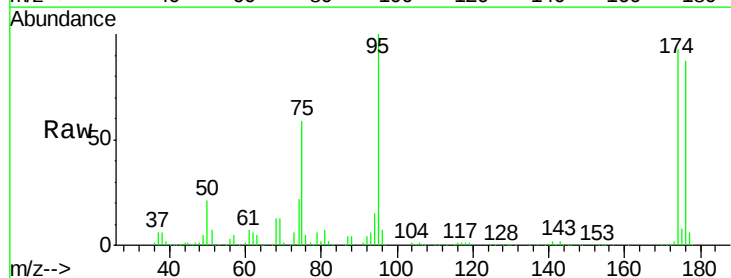
Tgt Ion: 75 Resp: 50013

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

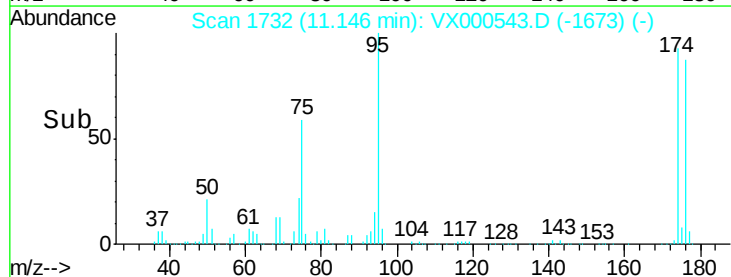
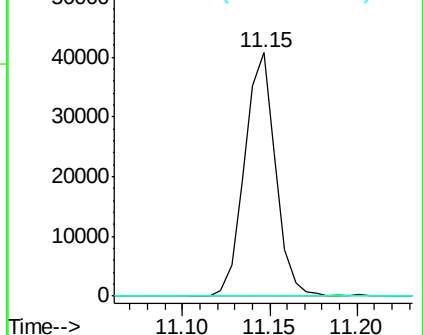
89 0.0 39.4 59.0#

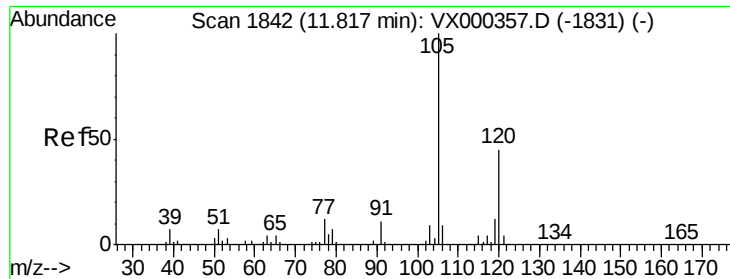


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

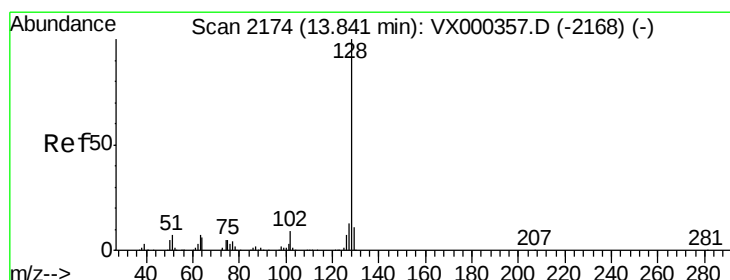
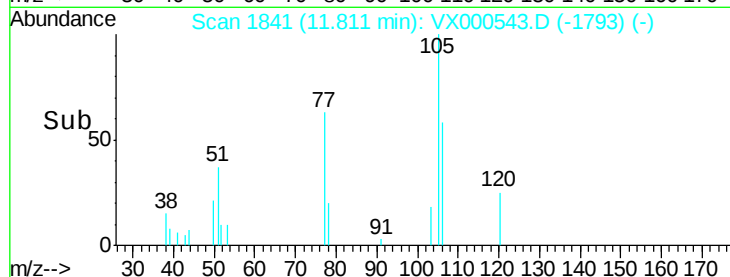
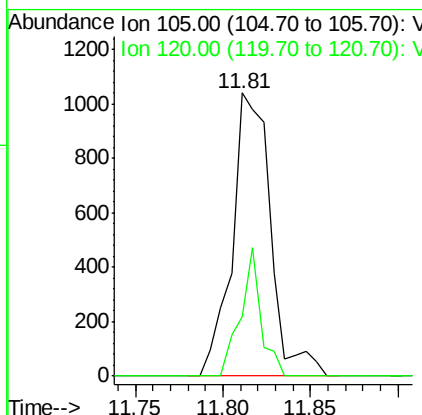
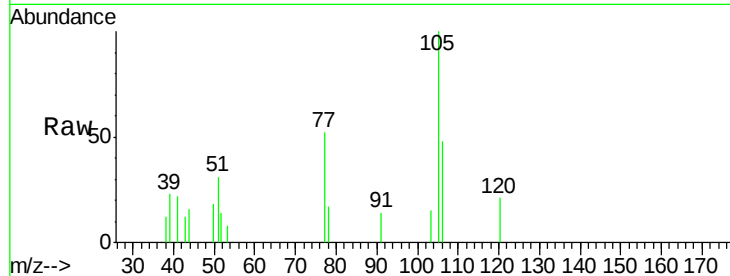




#84
 1,2,4-Trimethylbenzene
 Concen: 0.26 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VX000543.D
 Acq: 30 Mar 2018 05:10

Instrument :
 MSVOA_X
 ClientSampleId :
 22052-53

Tgt Ion:105 Resp: 1592
 Ion Ratio Lower Upper
 105 100
 120 23.9 22.4 67.3



#95
 Naphthalene
 Concen: 1.20 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX000543.D
 Acq: 30 Mar 2018 05:10

Tgt Ion:128 Resp: 10188
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.6 15.8
 129 11.2 8.9 13.3

