

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\
 Data File : VX004954.D
 Acq On : 03 Oct 2018 08:26
 Operator : JC/MD
 Sample : J5084-02 10X
 Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-8(9-9.5)

Quant Time: Oct 03 08:56:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	268119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	377749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	176260	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
35) Dibromofluoromethane	5.49	113	148324	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
50) Toluene-d8	8.72	98	558109	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
62) 4-Bromofluorobenzene	11.14	95	228817	59.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.36%	

Target Compounds

					Qvalue	
5) Bromomethane	1.64	94	902	0.366	ug/l	83
6) Chloroethane	1.71	64	42	Below Cal	#	70
11) Tert butyl alcohol	3.02	59	16051	14.988	ug/l #	72
13) Acrolein	2.26	56	6670	8.754	ug/l #	1
14) Allyl chloride	2.76	41	36666	5.784	ug/l #	72
15) Acrylonitrile	3.16	53	41794	17.728	ug/l #	43
16) Acetone	2.39	43	58578	26.197	ug/l #	58
17) Carbon Disulfide	2.56	76	2076	0.238	ug/l	95
18) Methyl Acetate	2.84	43	528305	93.252	ug/l #	53
20) Methylene Chloride	2.87	84	2725	Below Cal	#	1
23) Vinyl Acetate	3.81	43	15968	1.634	ug/l #	81
24) 1,1-Dichloroethane	3.65	63	2855	0.448	ug/l #	84
25) 2-Butanone	4.71	43	912	0.277	ug/l #	65
29) Tetrahydrofuran	5.21	42	4750	2.319	ug/l #	34
30) Chloroform	5.26	83	81856	13.603	ug/l #	33
31) Cyclohexane	5.59	56	764659	156.910	ug/l #	50
36) 1,1-Dichloropropene	5.66	75	18410	4.215	ug/l #	46
37) Ethyl Acetate	4.87	43	1355	0.234	ug/l #	1
38) Carbon Tetrachloride	5.67	117	22947	4.998	ug/l #	17
39) Methylcyclohexane	7.46	83	933496	209.294	ug/l	92
40) Benzene	6.14	78	190171	13.907	ug/l	95
41) Methacrylonitrile	5.06	41	18988	5.905	ug/l #	52
42) 1,2-Dichloroethane	6.15	62	1597	0.330	ug/l #	73
43) Isopropyl Acetate	6.35	43	2233803	266.925	ug/l #	64
45) 1,2-Dichloropropane	7.57	63	2309	0.689	ug/l #	1
46) Dibromomethane	7.63	93	2323	1.102	ug/l #	1
47) Bromodichloromethane	7.85	83	23061	5.844	ug/l #	29
48) Methyl methacrylate	7.73	41	174592	45.964	ug/l #	50
51) 4-Methyl-2-Pentanone	8.68	43	223193	42.357	ug/l #	79
52) Toluene	8.79	92	10776989	1434.235	ug/l	83
53) t-1,3-Dichloropropene	8.79	75	136517	30.616	ug/l #	1
55) 1,1,2-Trichloroethane	9.27	97	13555	4.118	ug/l #	1
56) Ethyl methacrylate	9.16	69	76440	16.355	ug/l #	68
58) 2-Chloroethyl Vinyl ether	8.34	63	2968	15.229	ug/l #	49

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

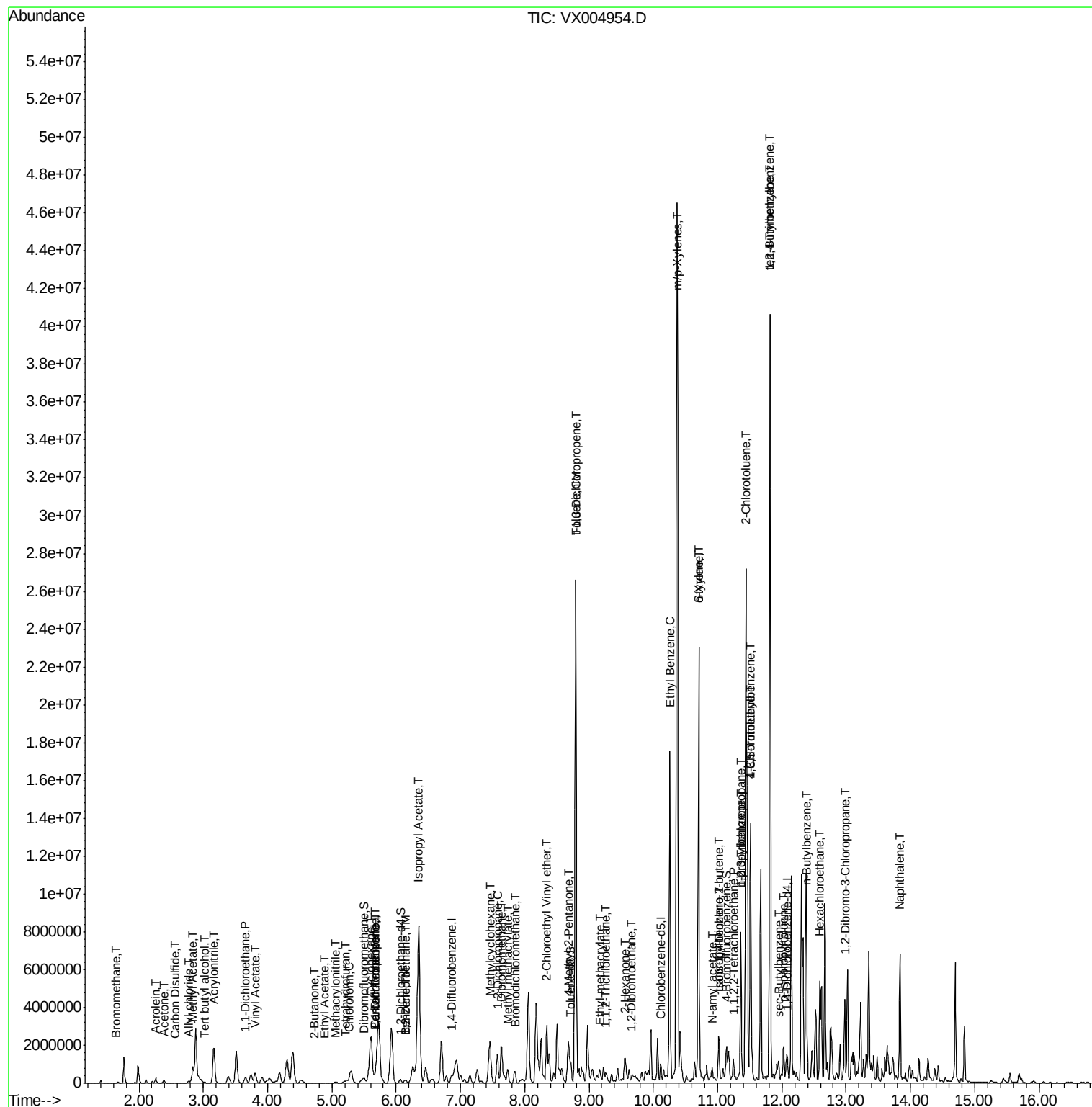
59) 2-Hexanone	9.55	43	237552	54.100	ug/l #	41
61) 1,2-Dibromoethane	9.66	107	1259	0.357	ug/l #	1
67) Ethyl Benzene	10.26	91	9368152	615.175	ug/l	96
68) m/p-Xylenes	10.37	106	12349728	2075.292	ug/l #	62
69) o-Xylene	10.71	106	5114765	935.774	ug/l	88
70) Styrene	10.71	104	367655	36.565	ug/l #	1
73) Isopropylbenzene	11.02	105	1175884	78.953	ug/l	99
74) N-amyl acetate	10.91	43	80223	11.205	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.25	83	26196	4.321	ug/l #	96
76) 1,2,3-Trichloropropane	11.37	75	30523	5.763	ug/l #	1
78) n-propylbenzene	11.37	91	5019627	293.744	ug/l	100
79) 2-Chlorotoluene	11.44	91	2641597	248.002	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	5476742	402.610	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.02	75	13613	8.719	ug/l #	31
82) 4-Chlorotoluene	11.51	91	581502	46.382	ug/l #	44
83) tert-Butylbenzene	11.82	119	2638542	215.177	ug/l #	59
84) 1,2,4-Trimethylbenzene	11.81	105	14178659	1011.005	ug/l	73
85) sec-Butylbenzene	11.95	105	514275	34.432	ug/l	94
86) p-Isopropyltoluene	12.03	119	766443	56.640	ug/l	98
89) n-Butylbenzene	12.39	91	1834635	149.284	ug/l #	32
90) Hexachloroethane	12.59	117	239333	106.227	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.98	75	13786	10.356	ug/l #	1
95) Naphthalene	13.83	128	4155403	209.102	ug/l	99

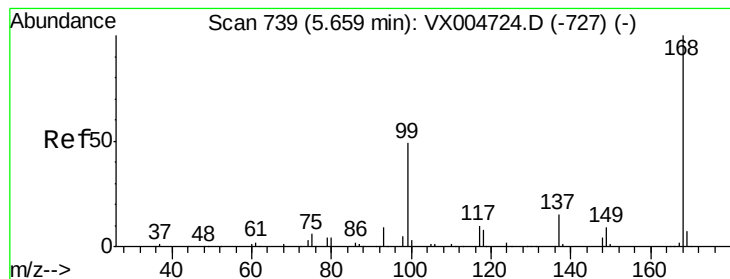
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampled :

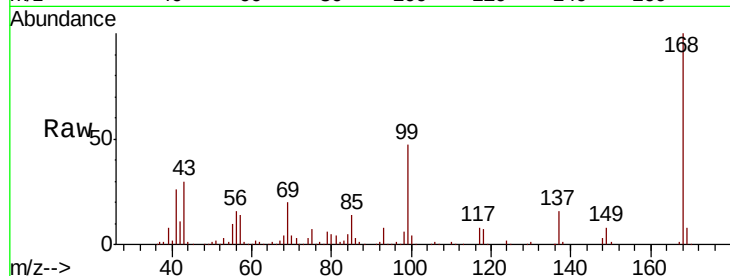
B-8(9-9.5)

Tot Ion:168 Resp: 268119

Ion Ratio Lower Upper

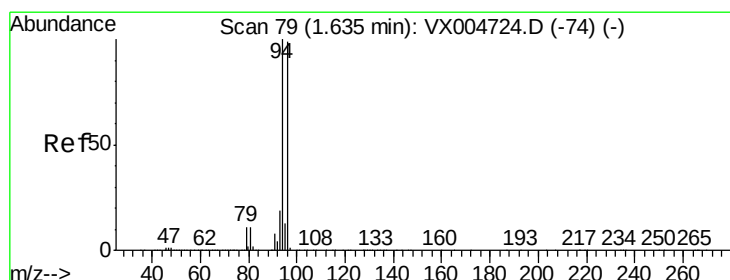
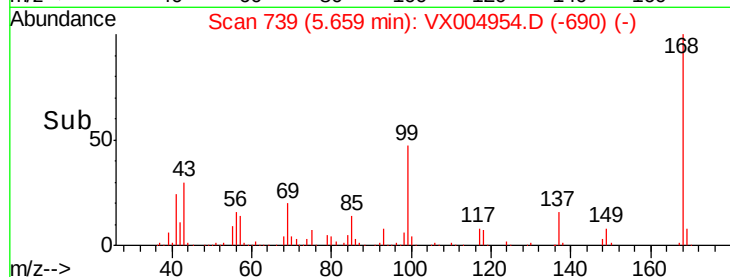
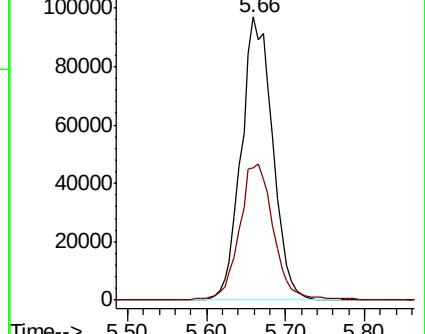
168 100

99 46.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.366 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004954.D

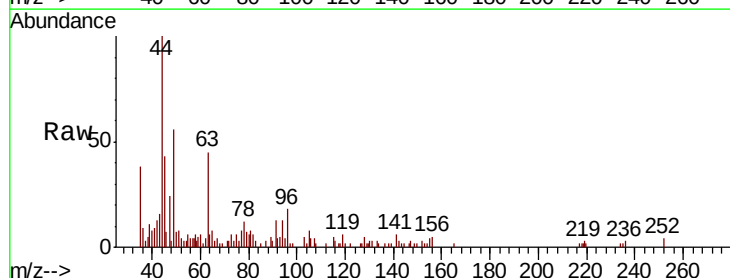
Acq: 03 Oct 2018 08:26

Tgt Ion: 94 Resp: 902

Ion Ratio Lower Upper

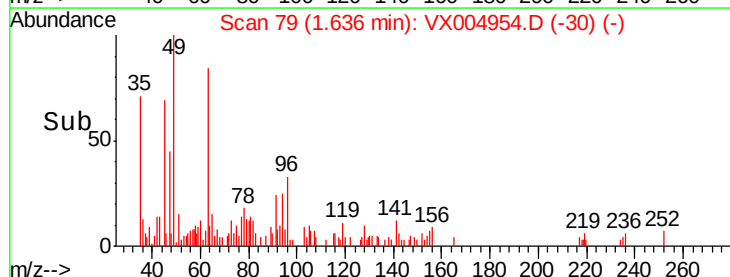
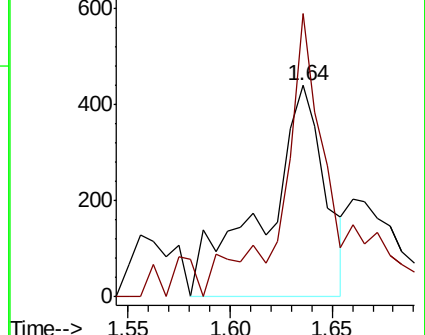
94 100

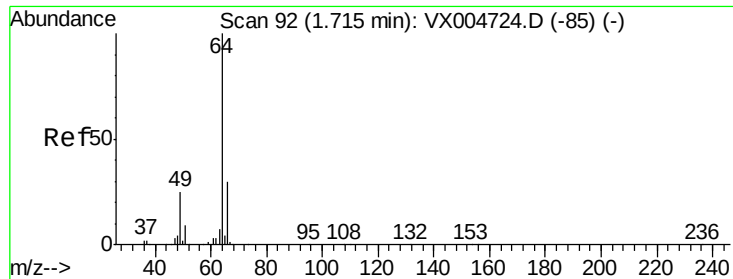
96 115.9 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

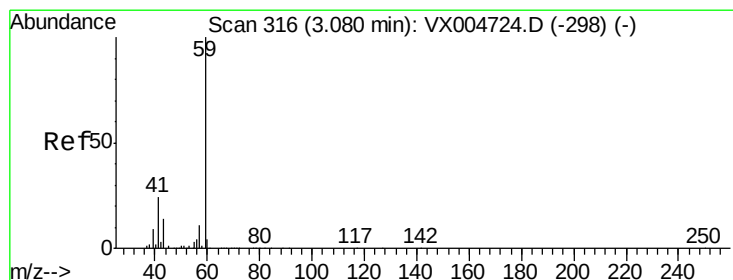
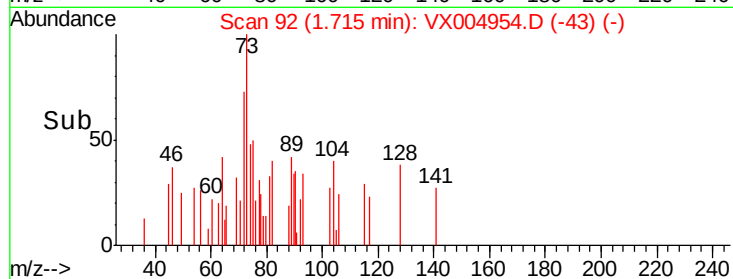
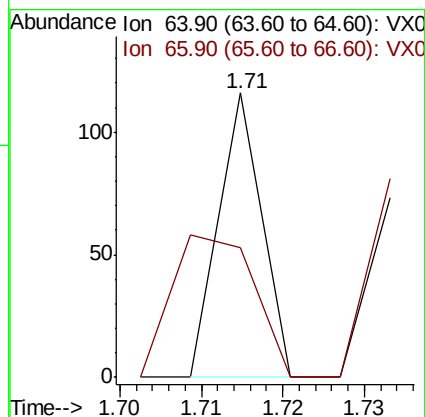
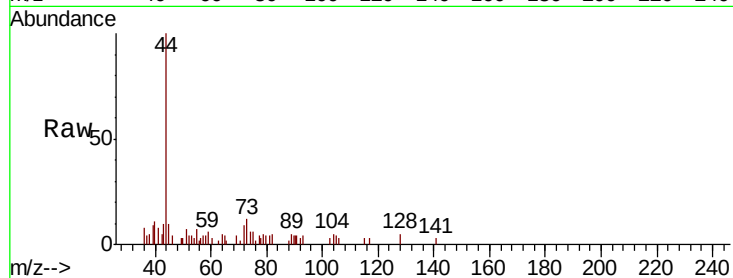
B-8(9-9.5)

Tot Ion: 64 Resp: 42

Ion Ratio Lower Upper

64 100

66 45.7 23.8 35.6#



#11

Tert butyl alcohol

Concen: 14.988 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004954.D

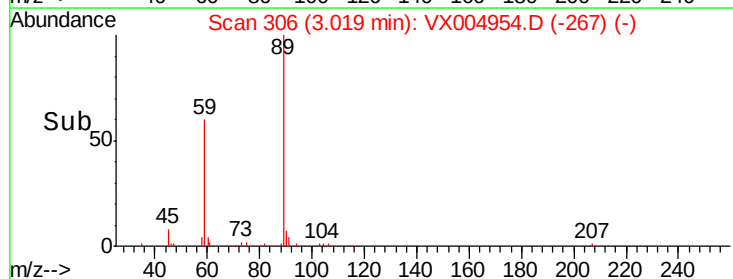
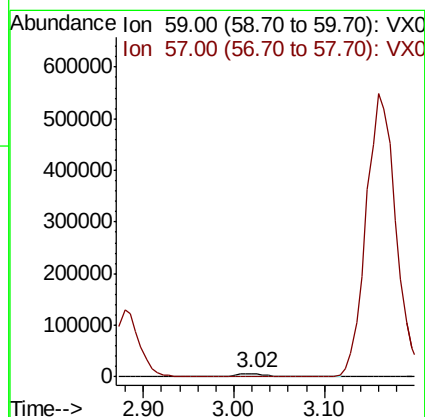
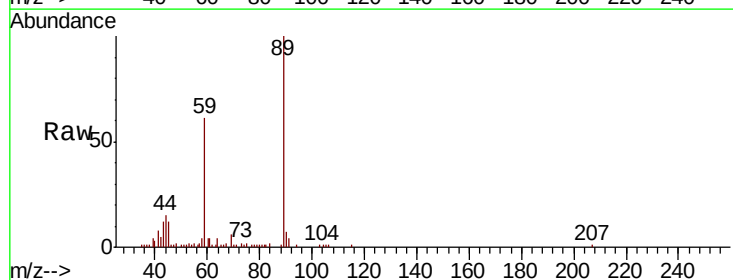
Acq: 03 Oct 2018 08:26

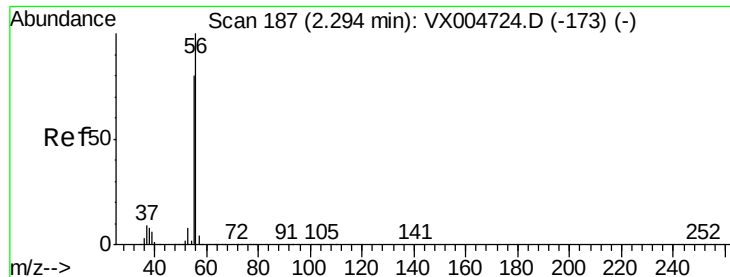
Tgt Ion: 59 Resp: 16051

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#13

Acrolein

Concen: 8.754 ug/l

RT: 2.26 min Scan# 181

Delta R.T. -0.04 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

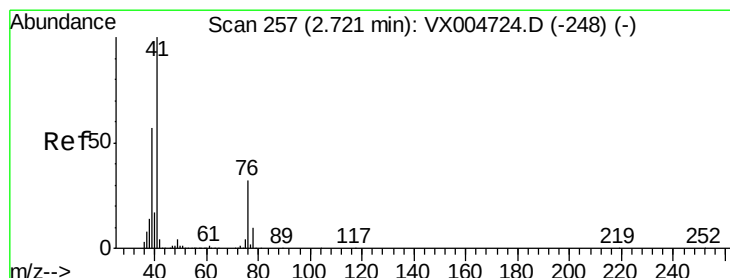
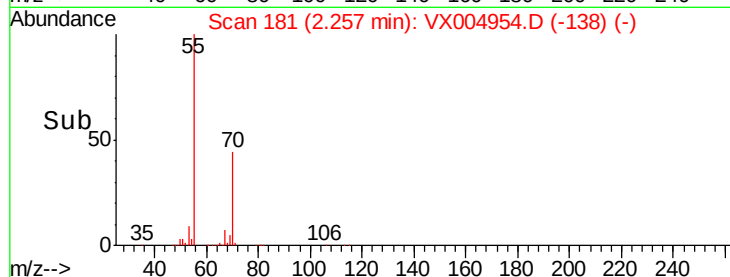
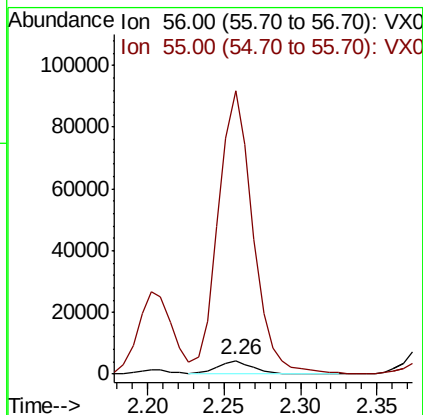
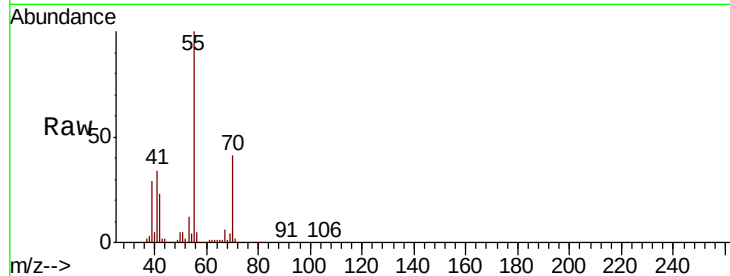
B-8(9-9.5)

Tot Ion: 56 Resp: 6670

Ion Ratio Lower Upper

56 100

55 2162.9 63.4 95.2#



#14

Allyl chloride

Concen: 5.784 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.04 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

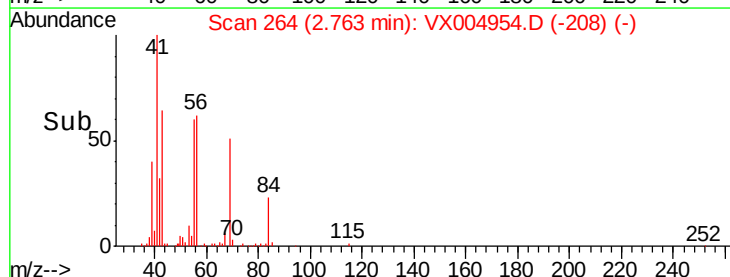
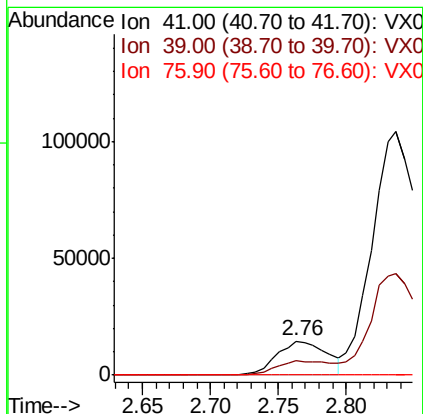
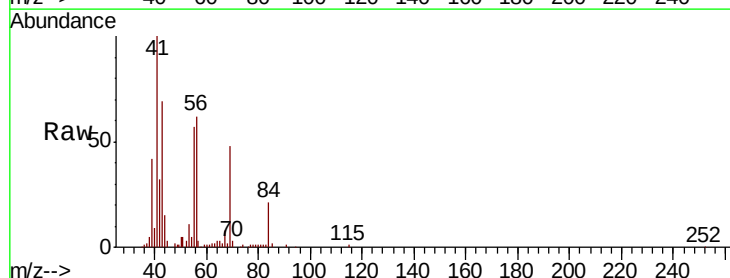
Tgt Ion: 41 Resp: 36666

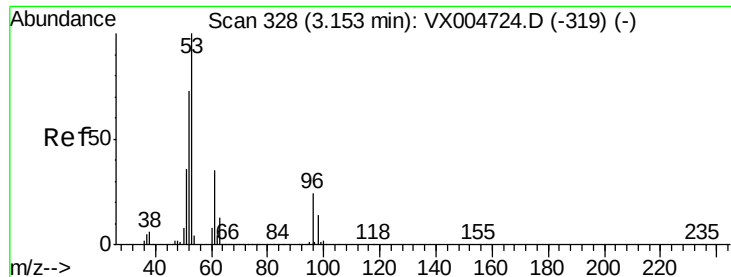
Ion Ratio Lower Upper

41 100

39 46.0 44.1 66.1

76 0.0 25.0 37.4#





#15

Acrylonitrile

Concen: 17.728 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

B-8(9-9.5)

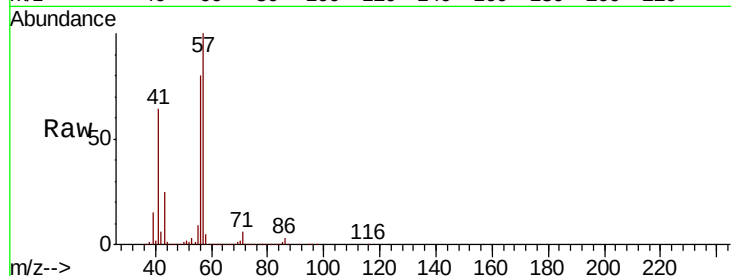
Tot Ion: 53 Resp: 41794

Ion Ratio Lower Upper

53 100

52 20.7 63.0 94.4#

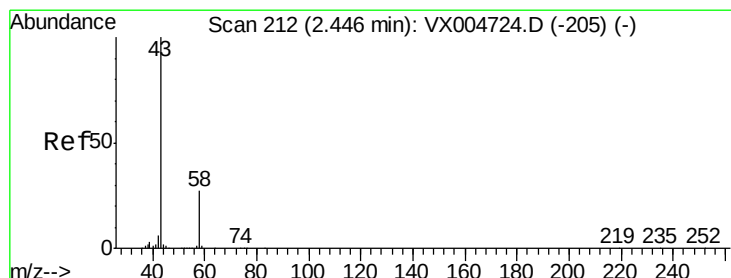
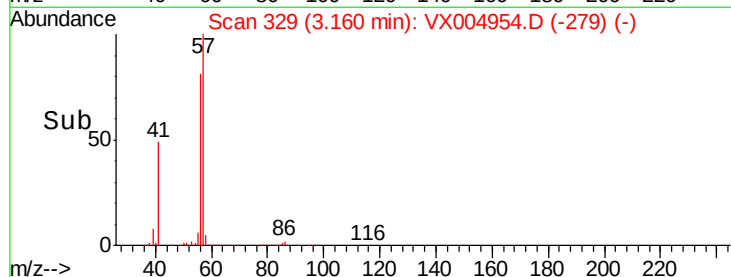
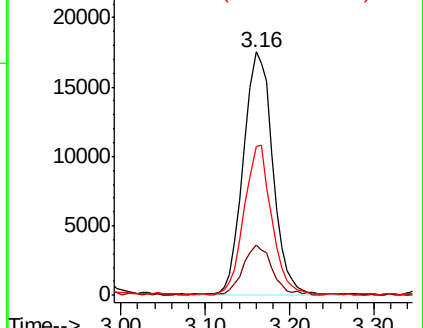
51 56.4 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 26.197 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.06 min

Lab File: VX004954.D

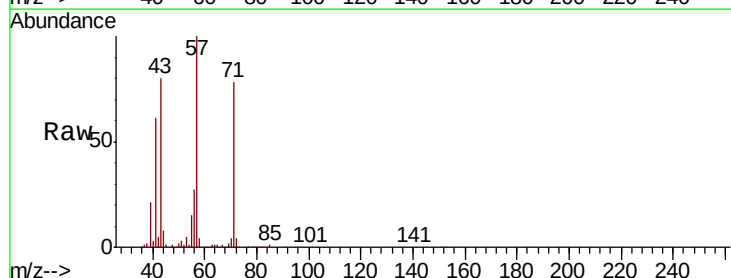
Acq: 03 Oct 2018 08:26

Tgt Ion: 43 Resp: 58578

Ion Ratio Lower Upper

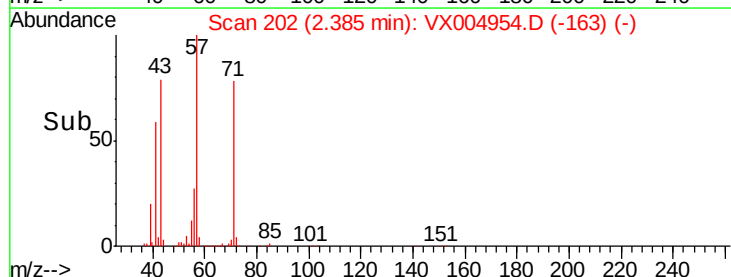
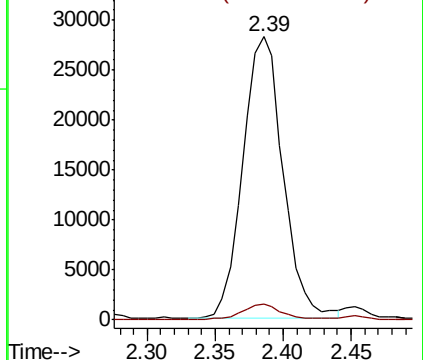
43 100

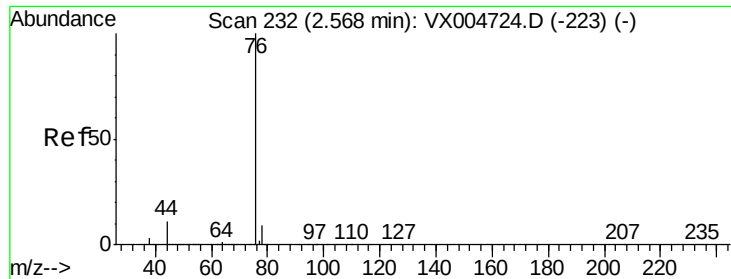
58 5.3 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

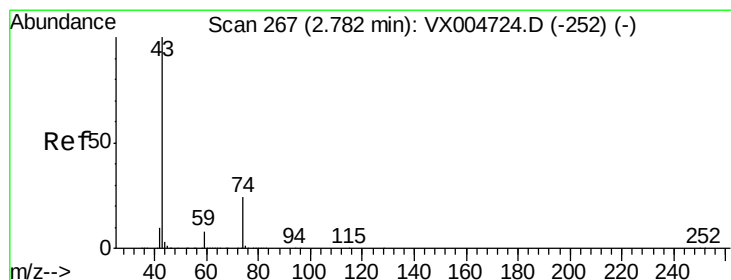
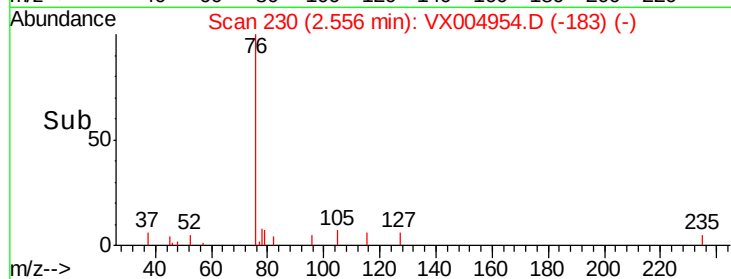
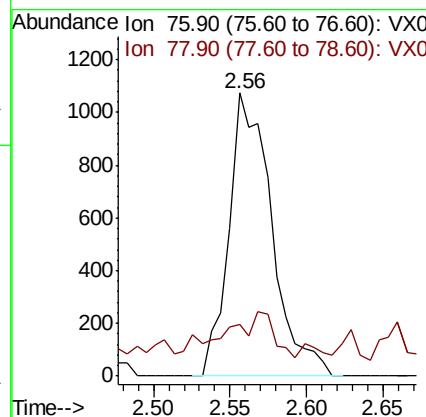
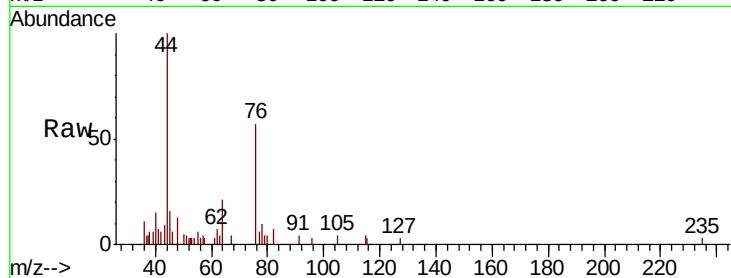




#17
Carbon Disulfide
Concen: 0.238 ug/l
RT: 2.56 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

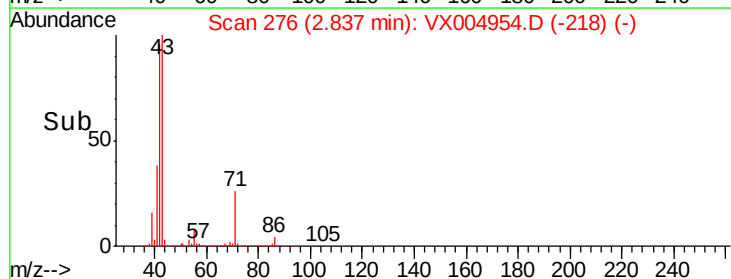
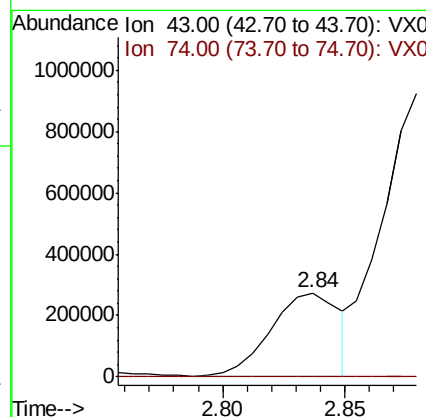
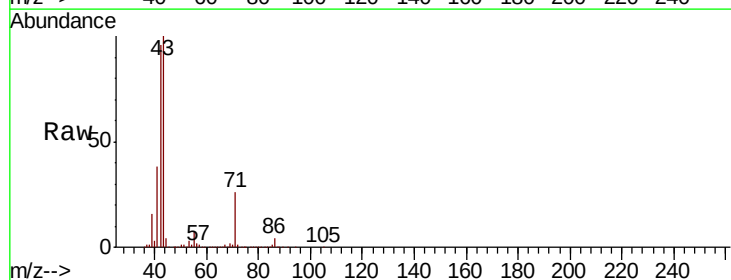
Instrument :
MSVOA_X
ClientSampleId :
B-8(9-9.5)

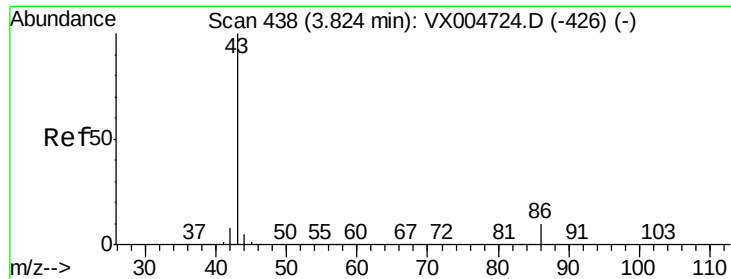
Tot Ion: 76 Resp: 2076
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.6



#18
Methyl Acetate
Concen: 93.252 ug/l
RT: 2.84 min Scan# 276
Delta R.T. 0.05 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

Tgt Ion: 43 Resp: 528305
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#





#23

Vinyl Acetate

Concen: 1.634 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.02 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampled :

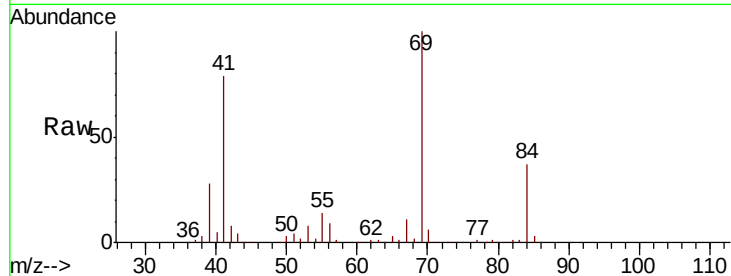
B-8(9-9.5)

Tot Ion: 43 Resp: 15968

Ion Ratio Lower Upper

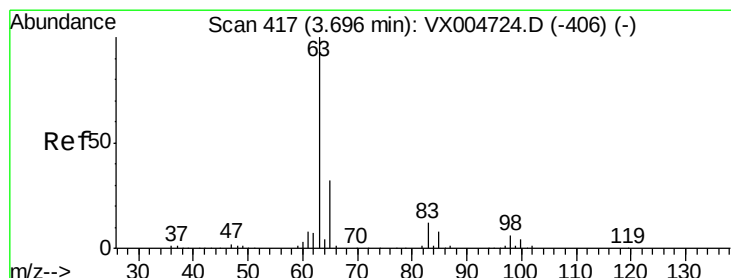
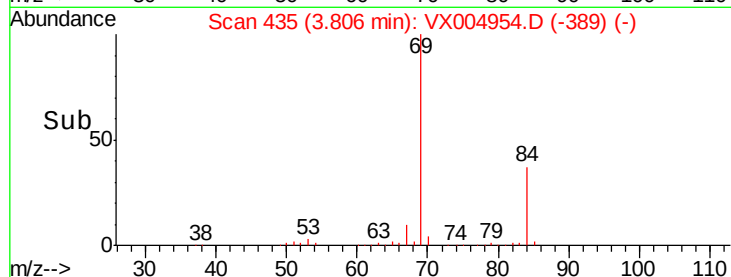
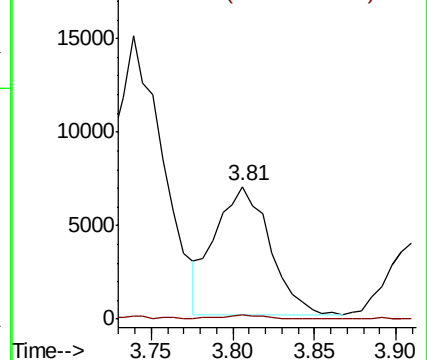
43 100

86 3.0 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.448 ug/l

RT: 3.65 min Scan# 410

Delta R.T. -0.04 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

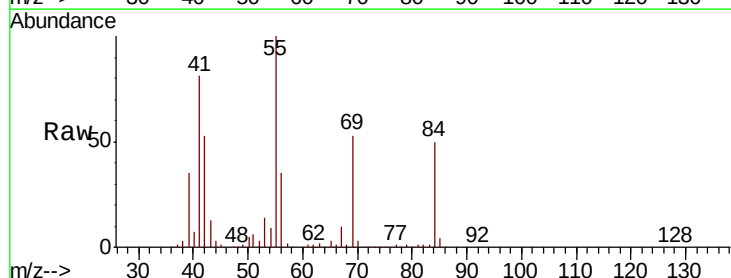
Tgt Ion: 63 Resp: 2855

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.2#

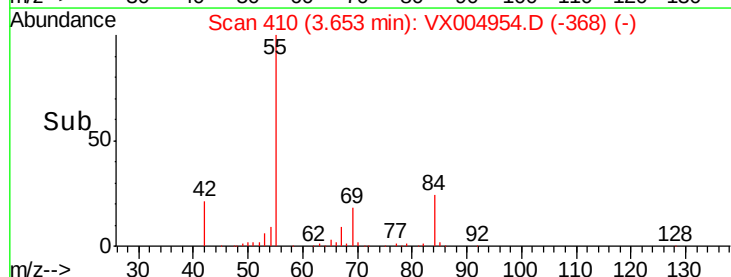
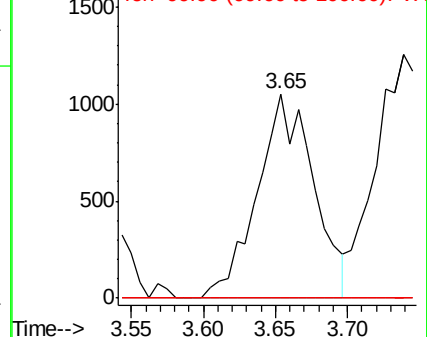
100 0.0 2.0 5.8#

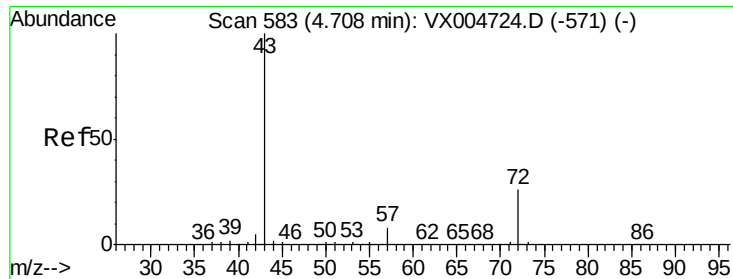


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

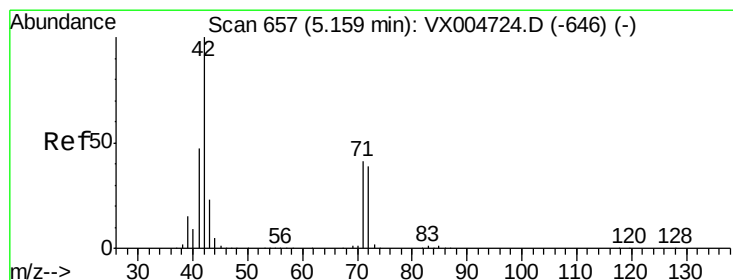
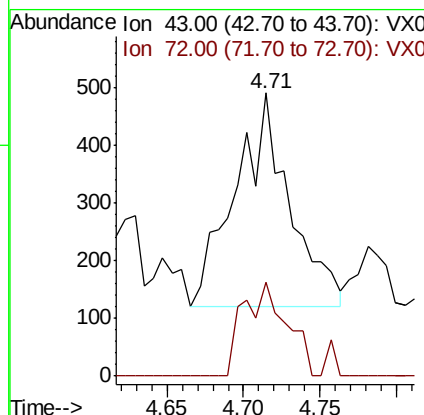
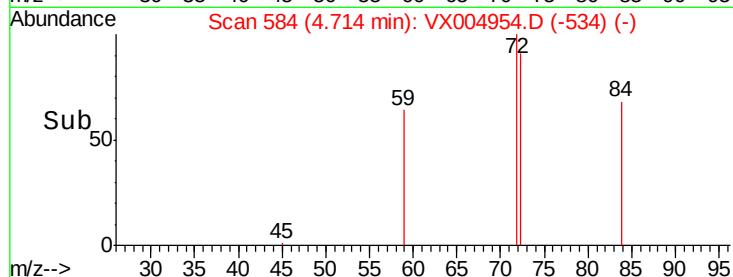
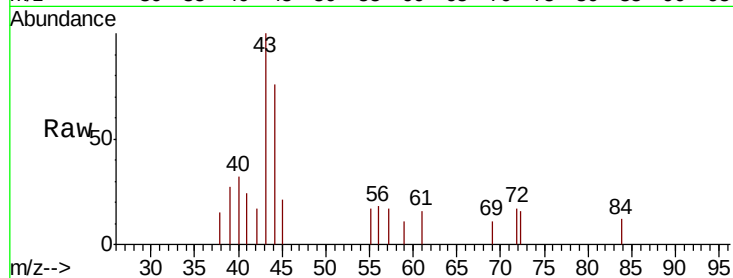




#25
2-Butanone
Concen: 0.277 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

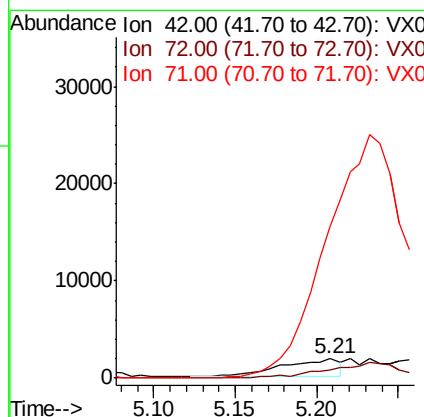
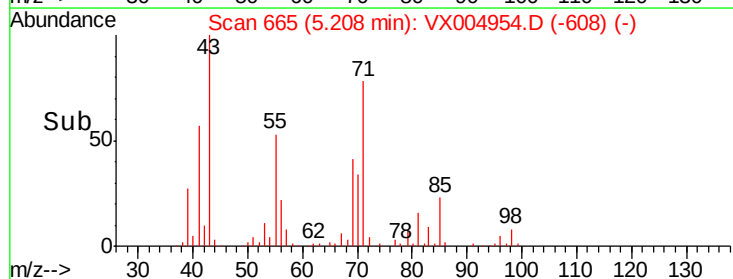
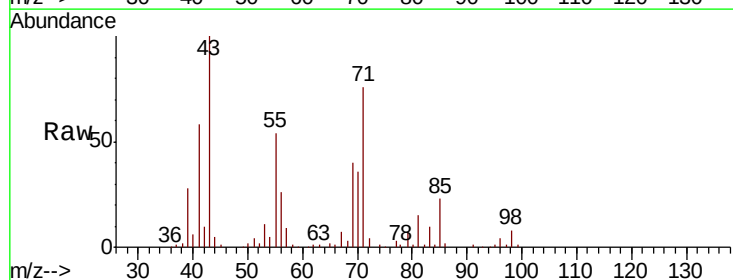
Instrument :
MSVOA_X
ClientSampled :
B-8(9-9.5)

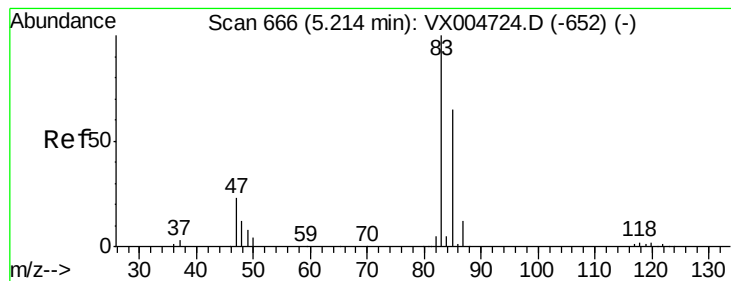
Tot Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
72 43.9 20.8 31.2#



#29
Tetrahydrofuran
Concen: 2.319 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.05 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

Tgt Ion: 42 Resp: 4750
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.2 48.4#





#30

Chloroform

Concen: 13.603 ug/l

RT: 5.26 min Scan# 674

Delta R.T. 0.05 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampled :

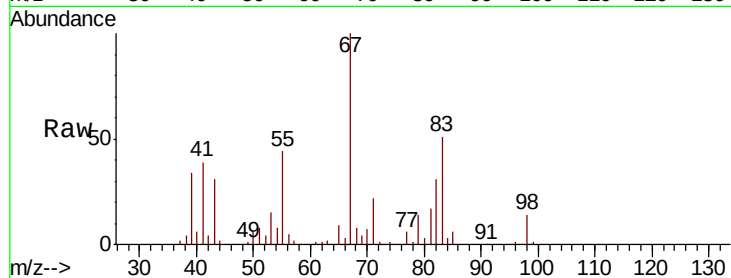
B-8(9-9.5)

Tot Ion: 83 Resp: 81856

Ion Ratio Lower Upper

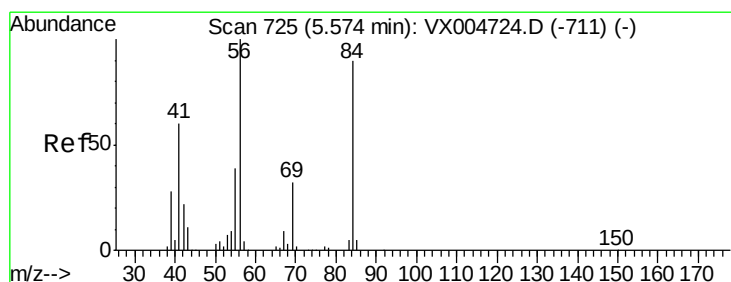
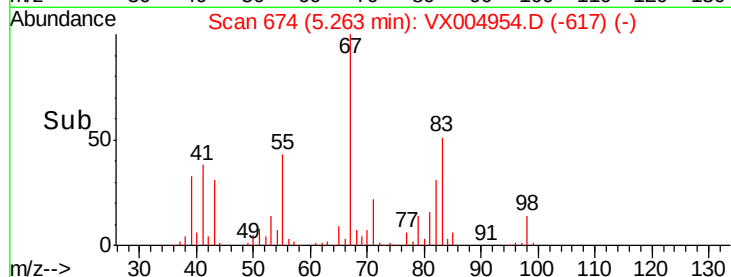
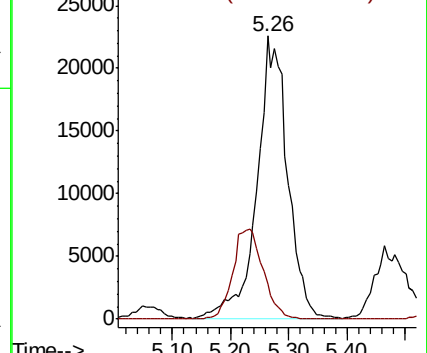
83 100

85 12.4 52.4 78.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#31

Cyclohexane

Concen: 156.910 ug/l

RT: 5.59 min Scan# 728

Delta R.T. 0.02 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

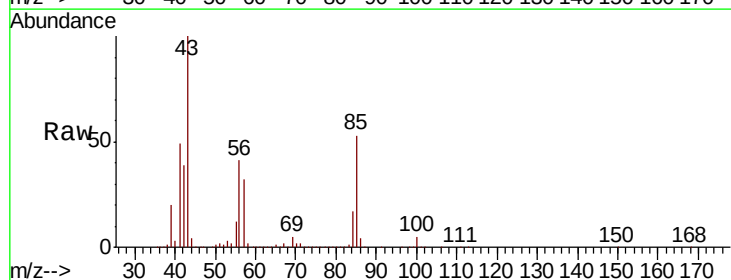
Tgt Ion: 56 Resp: 764659

Ion Ratio Lower Upper

56 100

69 5.7 25.9 38.9#

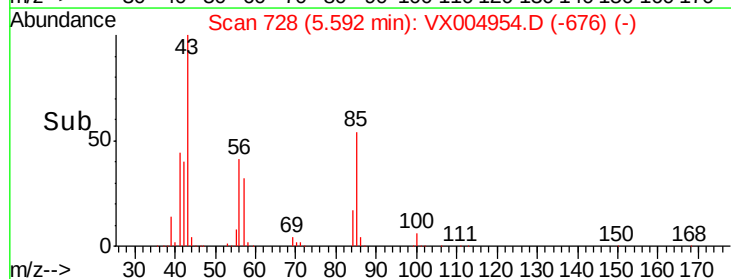
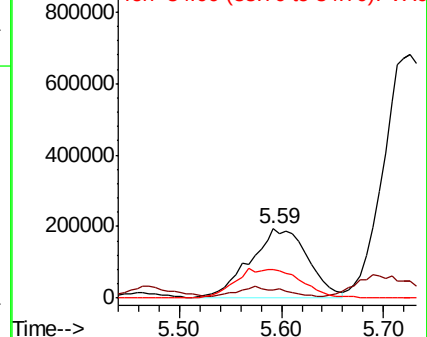
84 41.9 71.9 107.9#

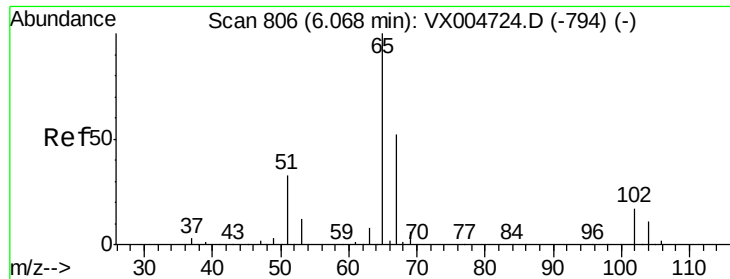


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

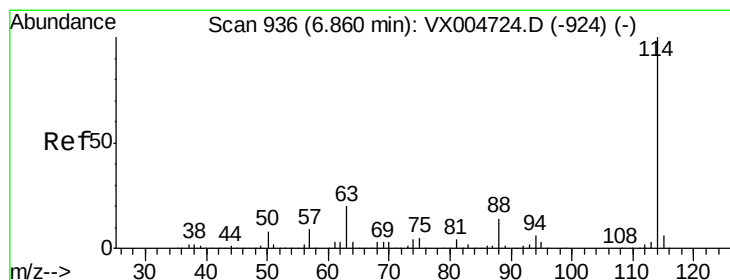
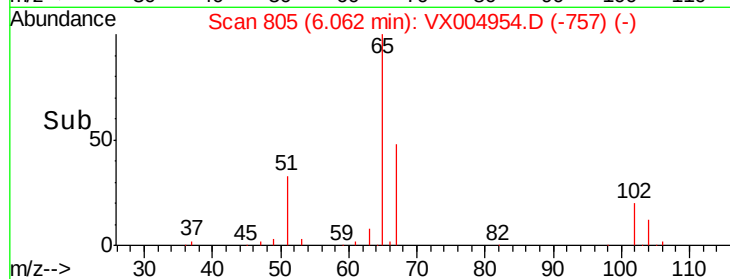
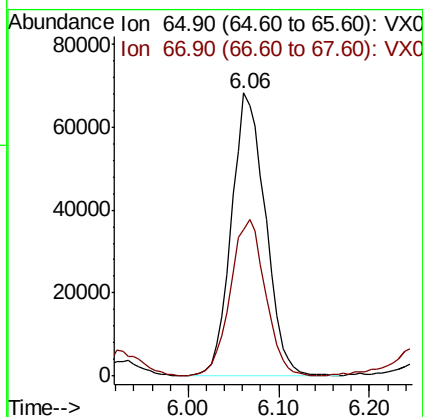
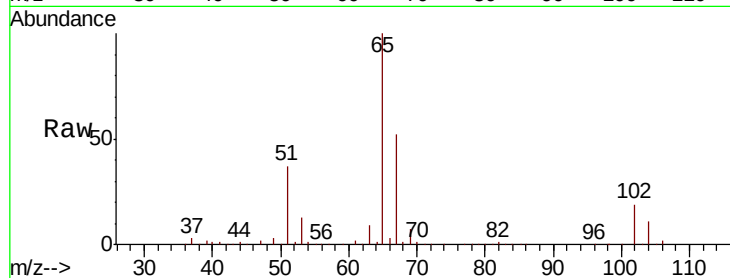




#33
 1,2-Dichloroethane-d4
 Concen: 46.020 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004954.D
 Acq: 03 Oct 2018 08:26

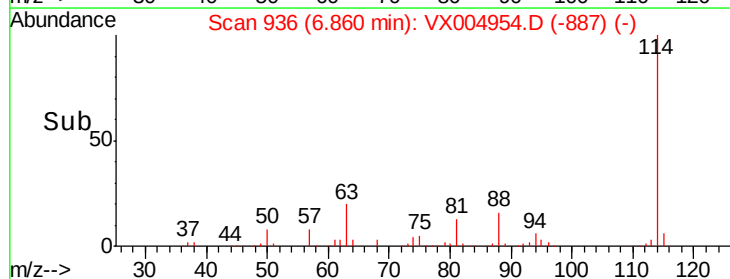
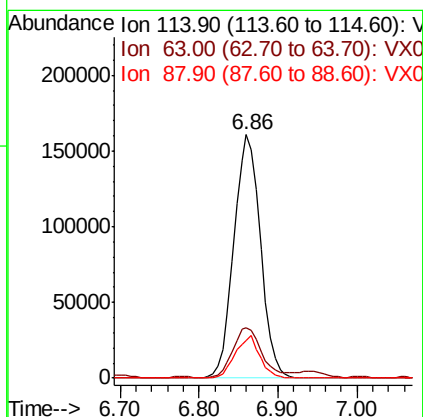
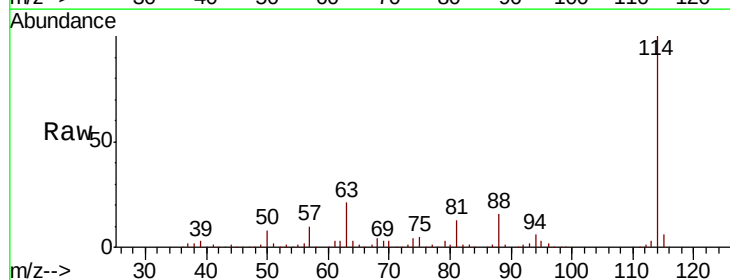
Instrument :
 MSVOA_X
 ClientSampleId :
 B-8(9-9.5)

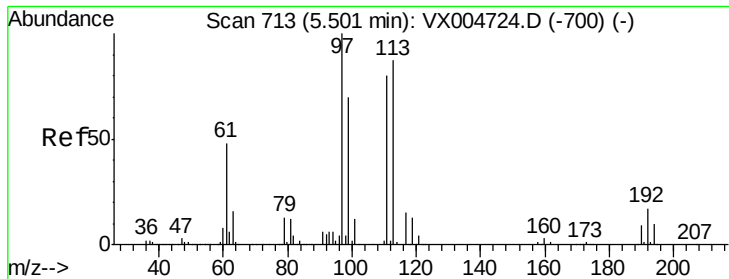
Tot Ion: 65 Resp: 176260
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004954.D
 Acq: 03 Oct 2018 08:26

Tgt Ion: 114 Resp: 377749
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.5 0.0 27.0





#35

Dibromofluoromethane

Concen: 46.330 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

B-8(9-9.5)

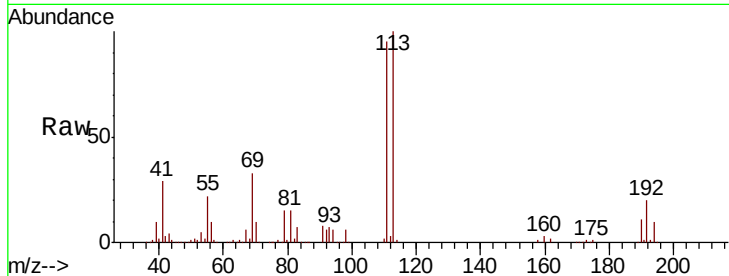
Tot Ion:113 Resp: 148324

Ion Ratio Lower Upper

113 100

111 101.3 77.0 115.4

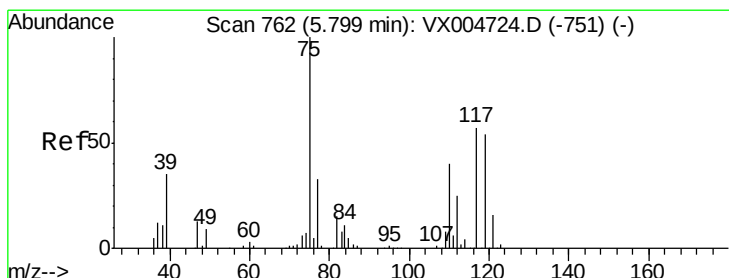
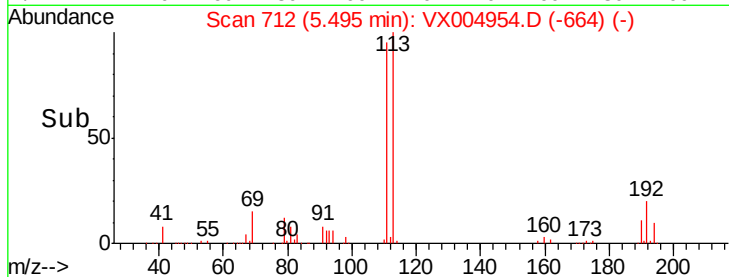
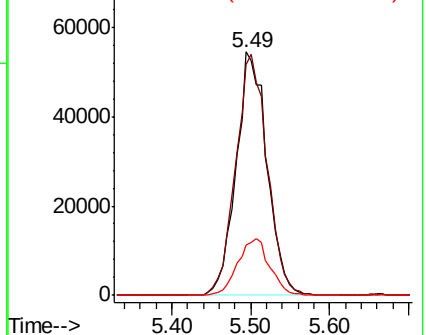
192 23.9 17.0 25.6



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: 4.215 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

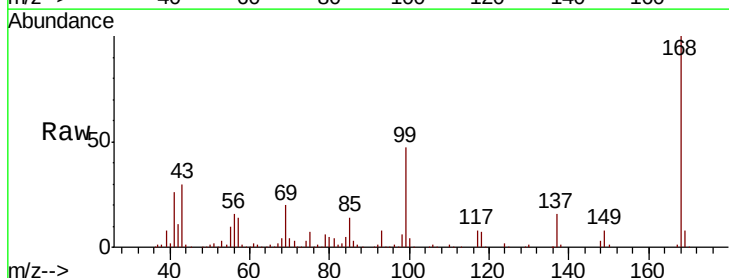
Tgt Ion: 75 Resp: 18410

Ion Ratio Lower Upper

75 100

110 9.2 20.0 59.9#

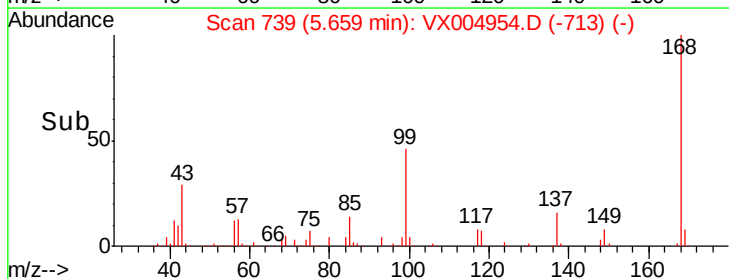
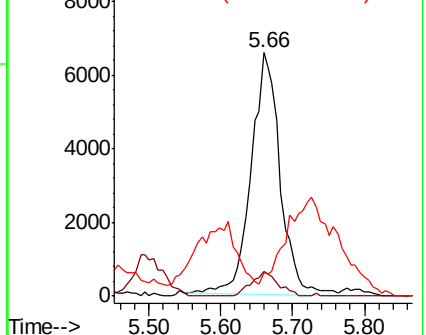
77 0.0 27.1 40.7#

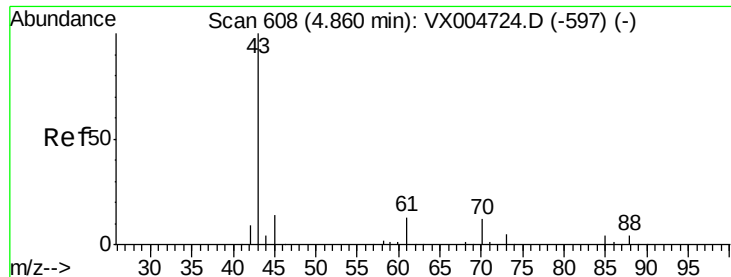


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.234 ug/l

RT: 4.87 min Scan# 610

Delta R.T. 0.01 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampled :

B-8(9-9.5)

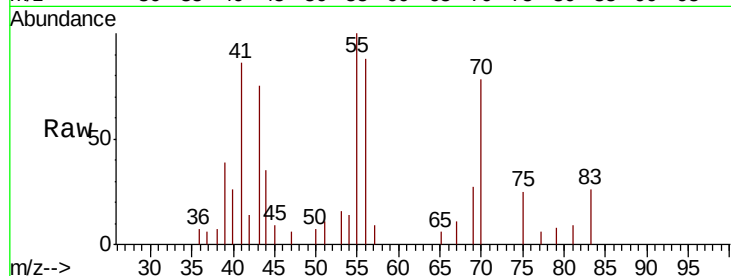
Tot Ion: 43 Resp: 1355

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

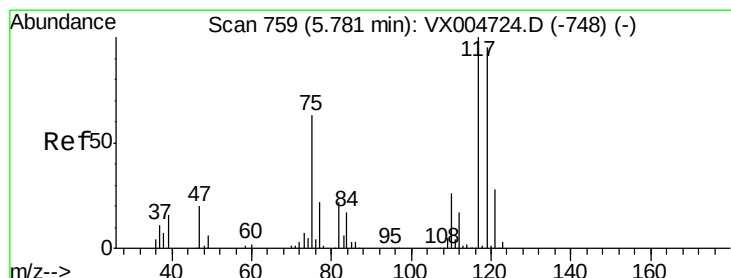
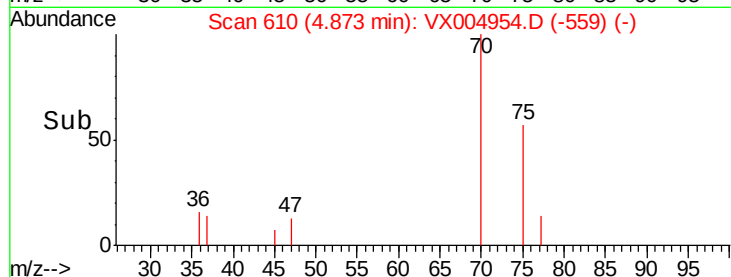
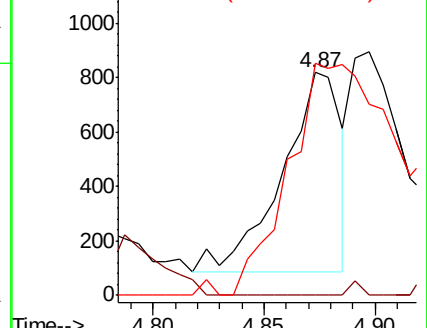
70 231.4 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 4.998 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

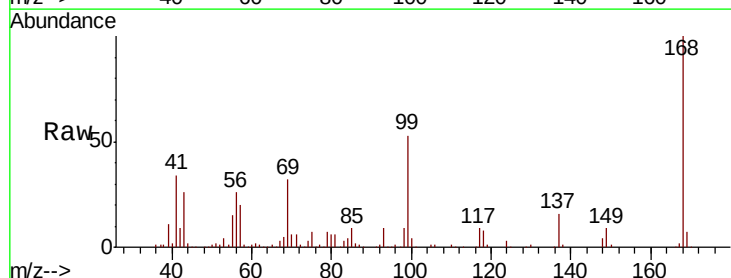
Tgt Ion: 117 Resp: 22947

Ion Ratio Lower Upper

117 100

119 5.6 75.2 112.8#

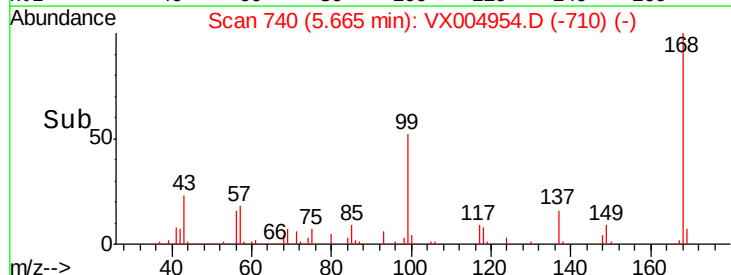
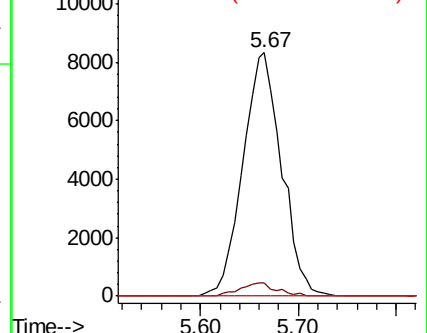
121 0.0 22.5 33.7#

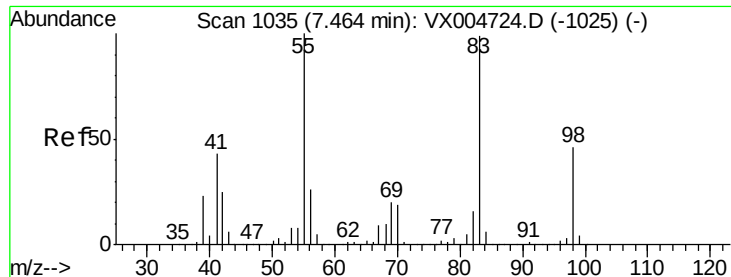


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

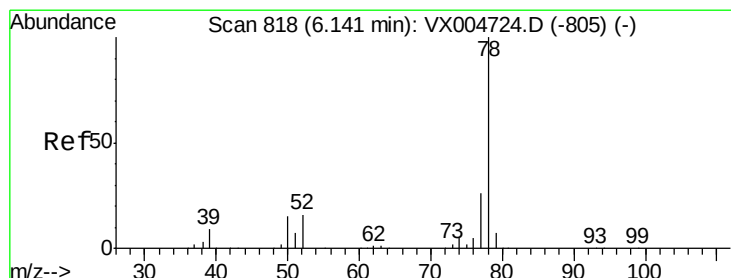
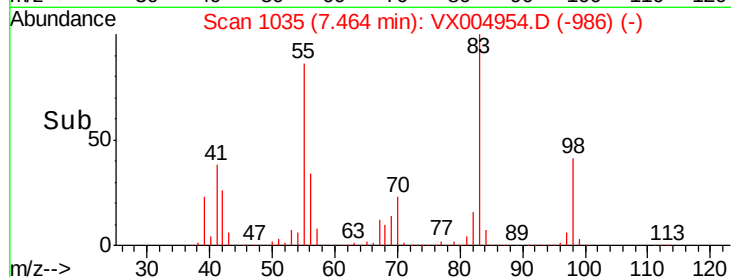
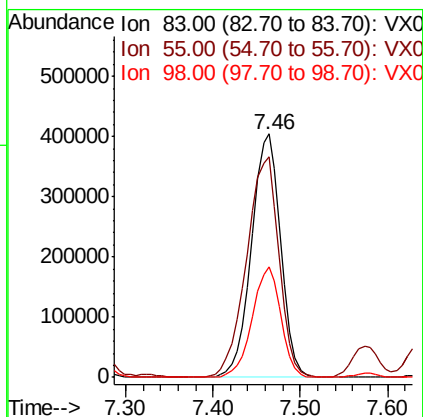
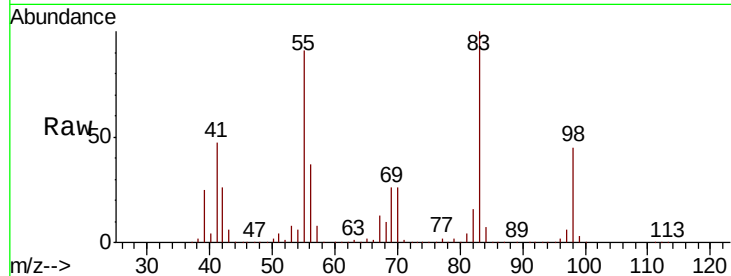




#39
Methylvlcyclohexane
Concen: 209.294 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

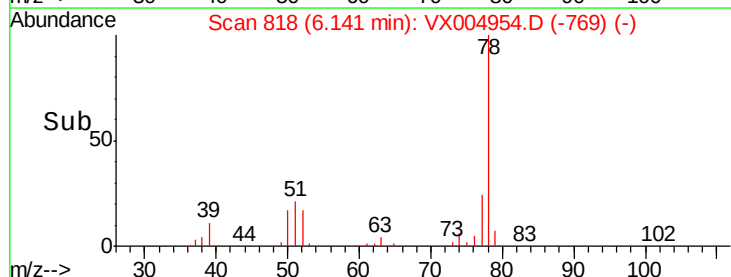
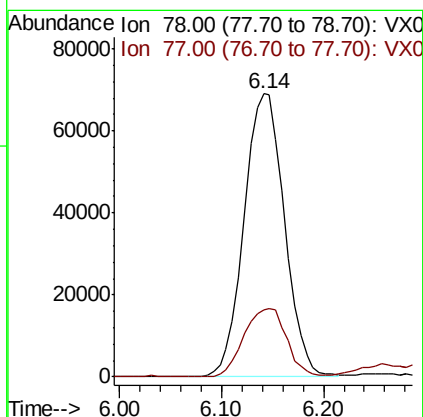
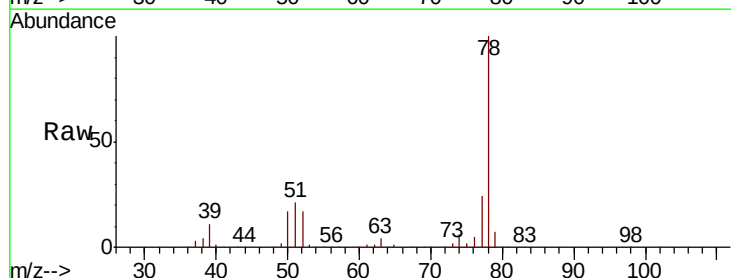
Instrument :
MSVOA_X
ClientSampleId :
B-8(9-9.5)

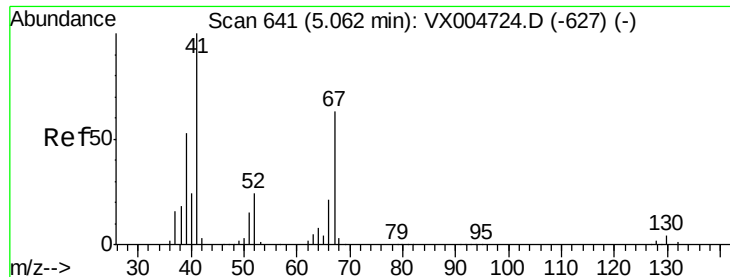
Tot Ion: 83 Resp: 933496
Ion Ratio Lower Upper
83 100
55 90.7 81.1 121.7
98 45.2 37.3 55.9



#40
Benzene
Concen: 13.907 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

Tgt Ion: 78 Resp: 190171
Ion Ratio Lower Upper
78 100
77 23.5 21.0 31.4

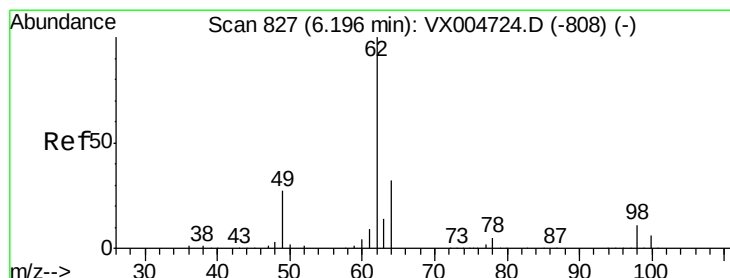
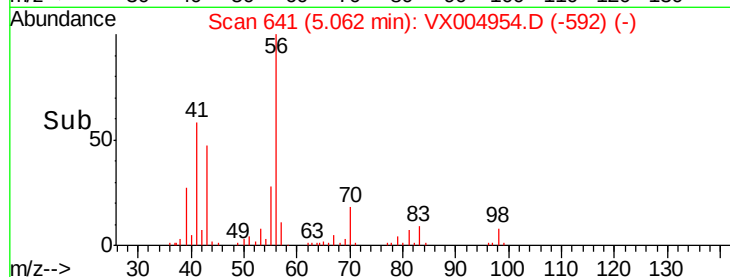
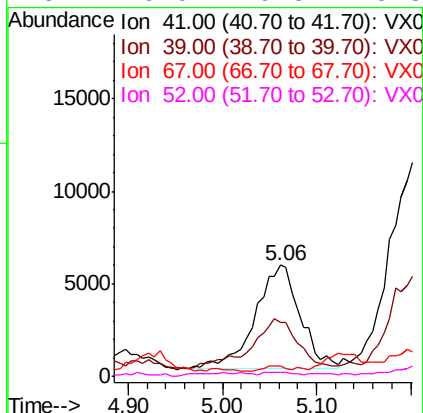
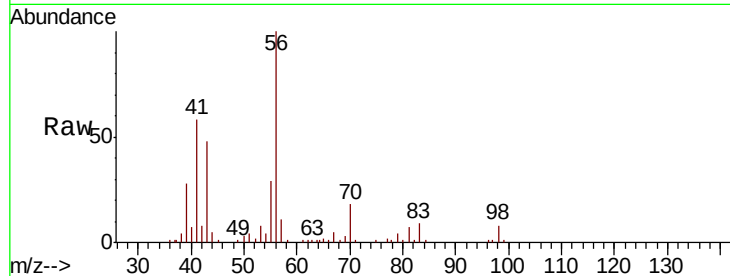




#41
Methacrylonitrile
Concen: 5.905 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

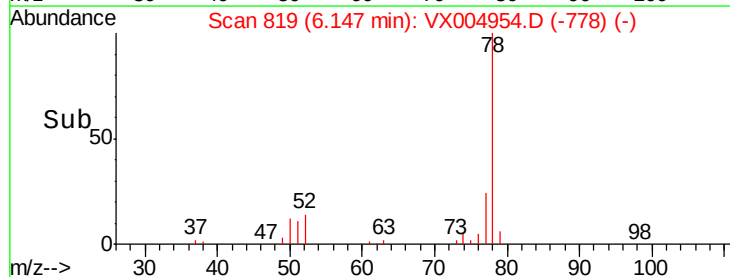
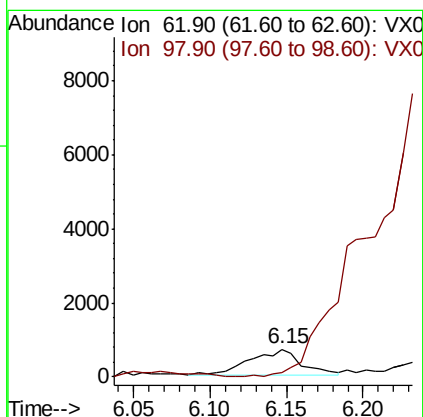
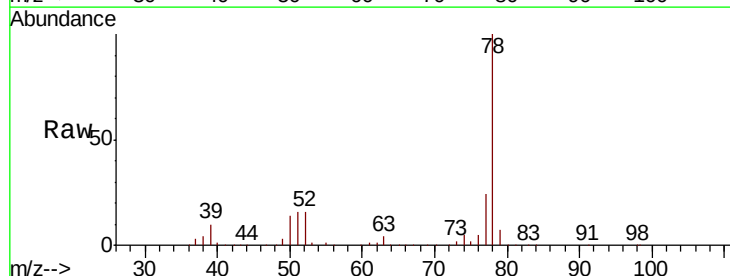
Instrument :
MSVOA_X
ClientSampled :
B-8(9-9.5)

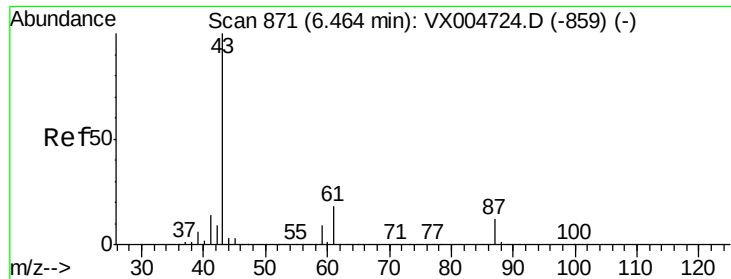
Tot Ion: 41 Resp: 18988
Ion Ratio Lower Upper
41 100
39 50.3 42.5 63.7
67 0.0 53.0 79.6#
52 0.0 19.8 29.8#



#42
1,2-Dichloroethane
Concen: 0.330 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.05 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

Tgt Ion: 62 Resp: 1597
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2





#43

Isopropyl Acetate

Concen: 266.925 ug/l

RT: 6.35 min Scan# 853

Delta R.T. -0.11 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

B-8(9-9.5)

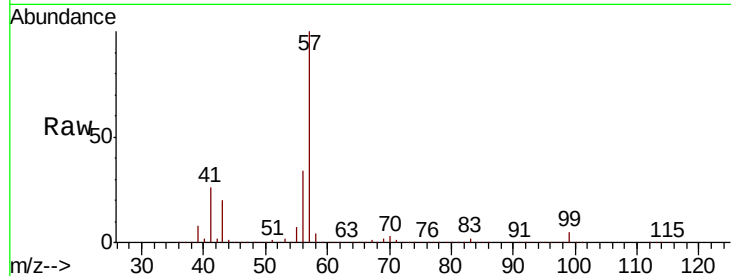
Tot Ion: 43 Resp: 2233803

Ion Ratio Lower Upper

43 100

61 0.1 14.2 21.4#

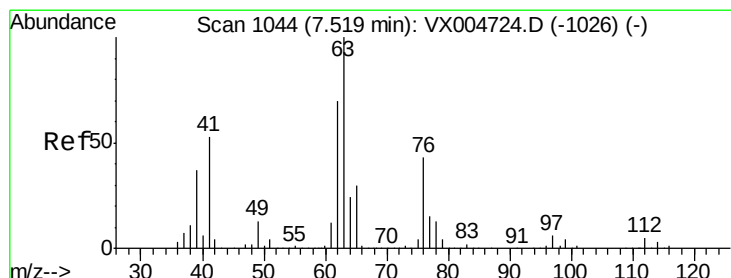
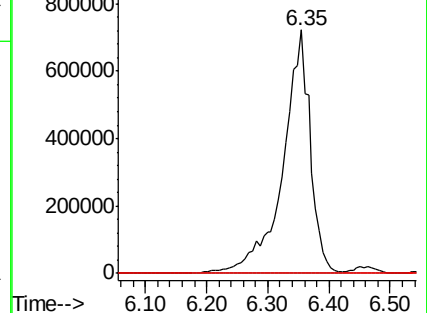
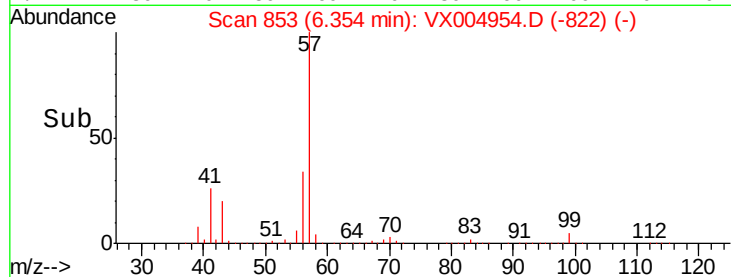
87 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#45

1,2-Dichloropropane

Concen: 0.689 ug/l

RT: 7.57 min Scan# 1053

Delta R.T. 0.05 min

Lab File: VX004954.D

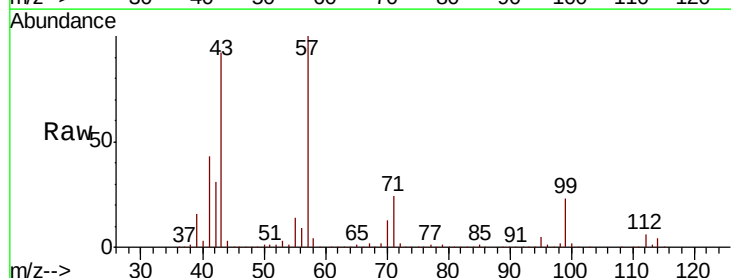
Acq: 03 Oct 2018 08:26

Tgt Ion: 63 Resp: 2309

Ion Ratio Lower Upper

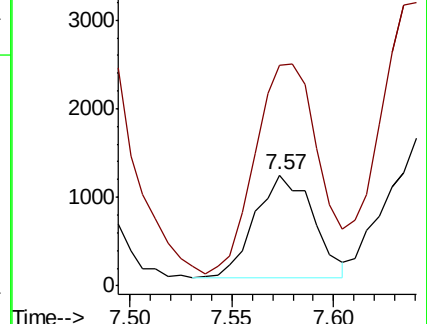
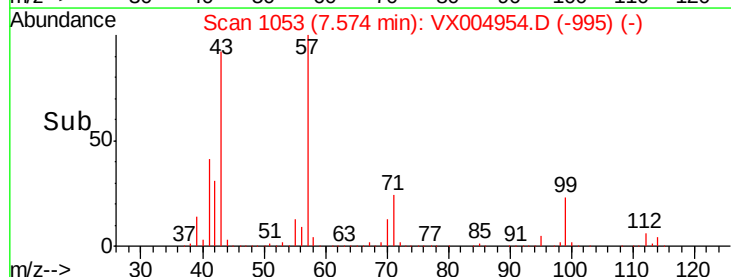
63 100

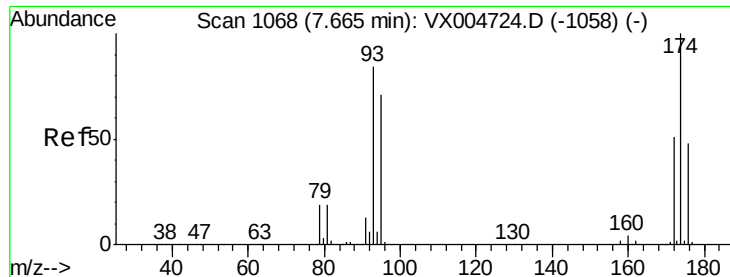
65 195.4 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 1.102 ug/l

RT: 7.63 min Scan# 1063

Delta R.T. -0.03 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampled :

B-8(9-9.5)

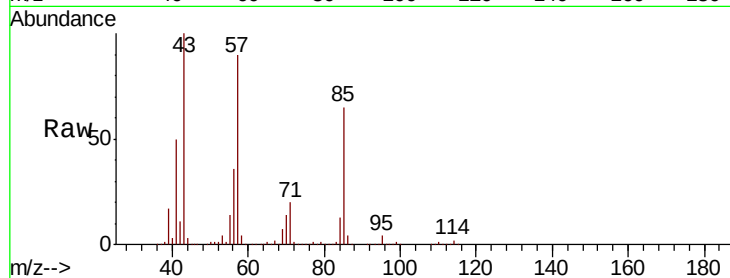
Tot Ion: 93 Resp: 2323

Ion Ratio Lower Upper

93 100

95 1384.1 66.7 100.1#

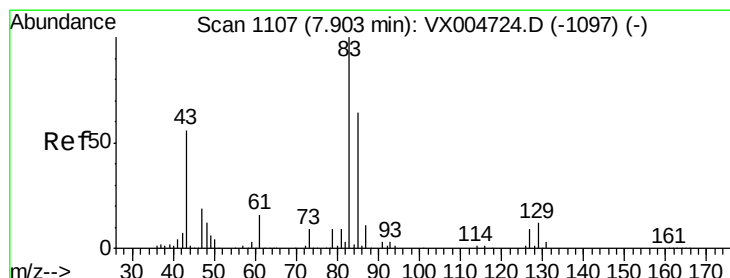
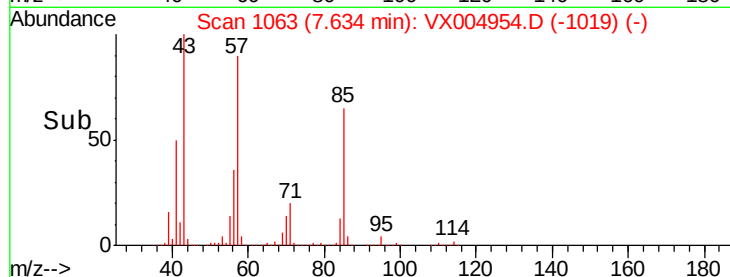
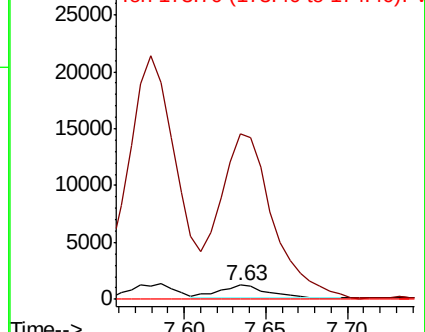
174 2.9 92.7 139.1#



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 5.844 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

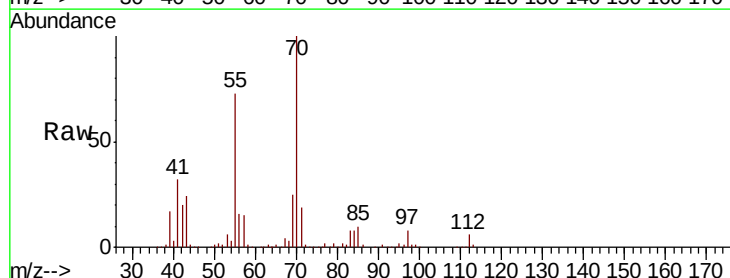
Tgt Ion: 83 Resp: 23061

Ion Ratio Lower Upper

83 100

85 124.5 51.2 76.8#

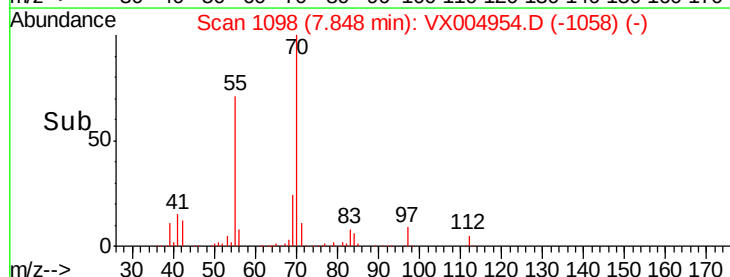
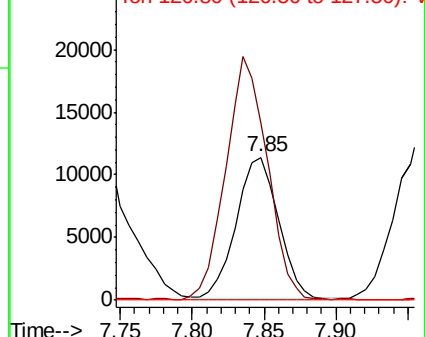
127 0.0 7.0 10.6#

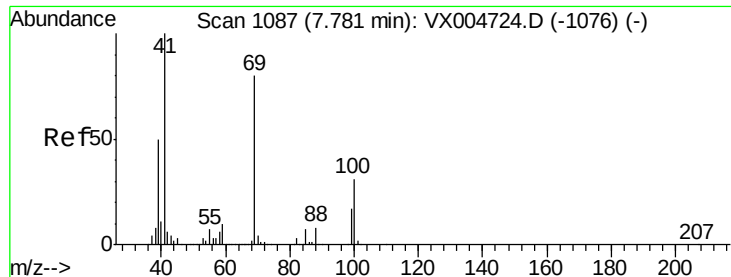


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

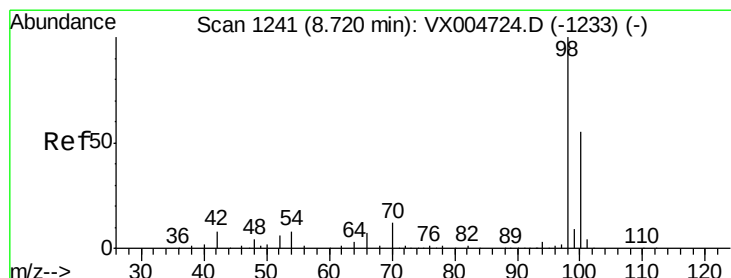
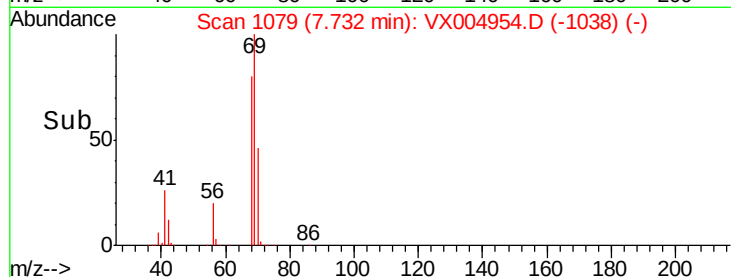
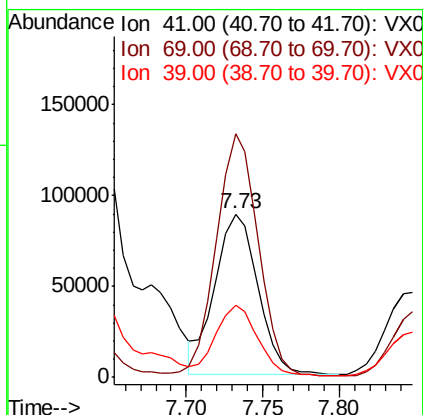
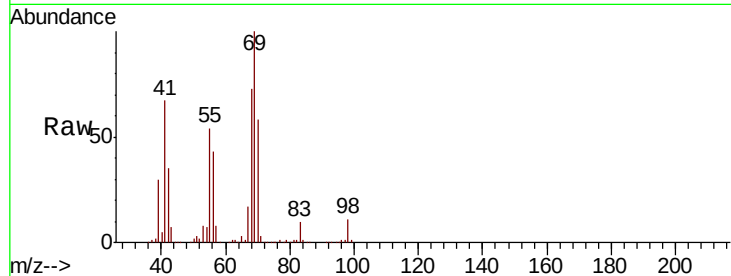




#48
Methyl methacrylate
Concen: 45.964 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.05 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

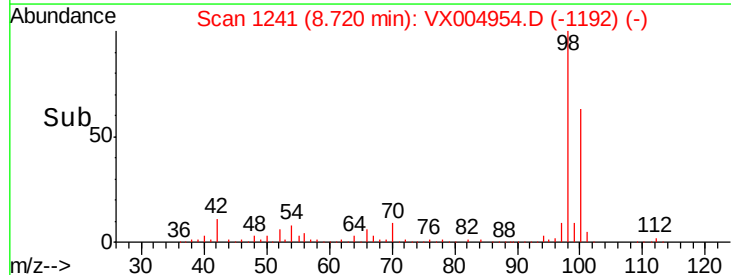
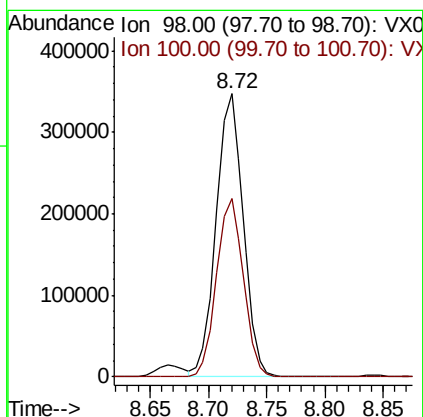
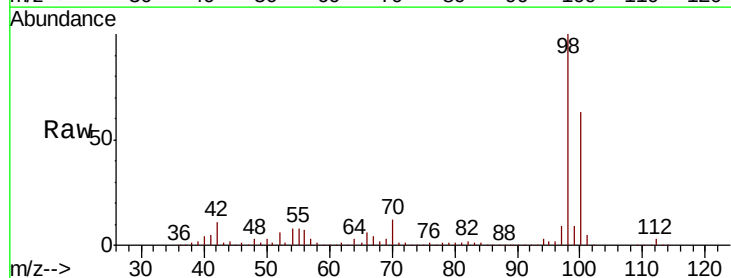
Instrument :
MSVOA_X
ClientSampleId :
B-8(9-9.5)

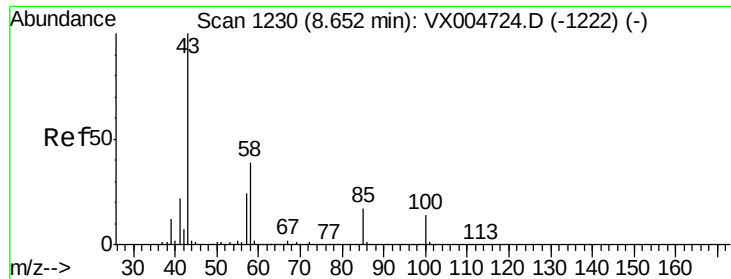
Tot Ion: 41 Resp: 174592
Ion Ratio Lower Upper
41 100
69 145.9 63.8 95.6#
39 43.5 40.7 61.1



#50
Toluene-d8
Concen: 52.438 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

Tgt Ion: 98 Resp: 558109
Ion Ratio Lower Upper
98 100
100 62.3 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 42.357 ug/l

RT: 8.68 min Scan# 1235

Delta R.T. 0.03 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampled :

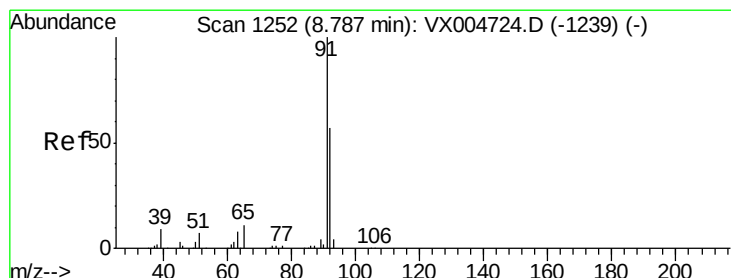
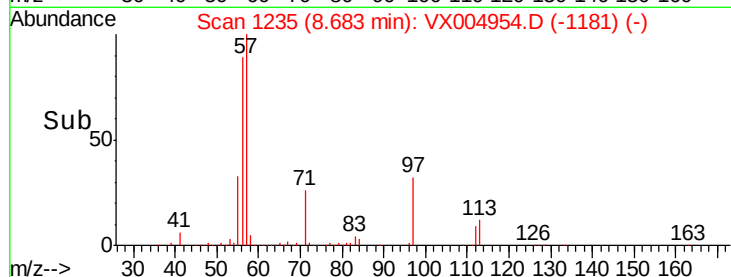
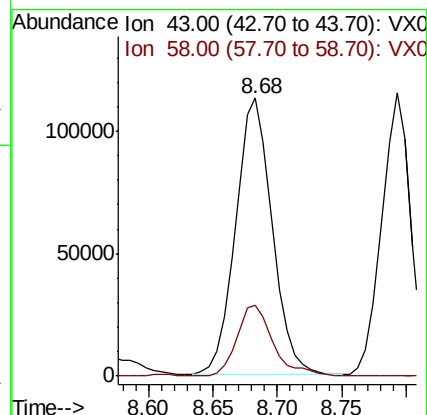
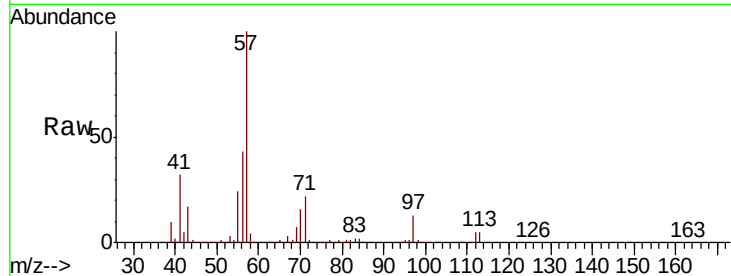
B-8(9-9.5)

Tot Ion: 43 Resp: 223193

Ion Ratio Lower Upper

43 100

58 25.1 30.5 45.7#



#52

Toluene

Concen: 1434.235 ug/l

RT: 8.79 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VX004954.D

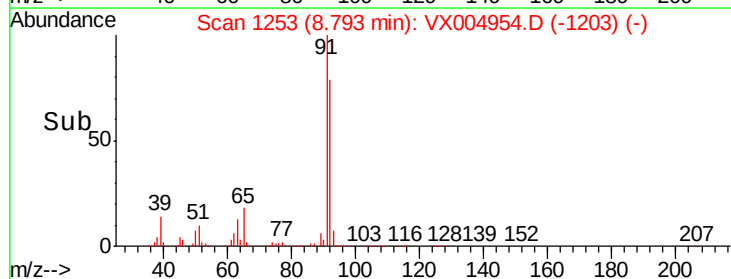
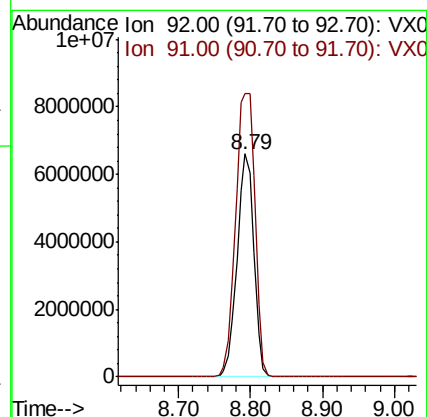
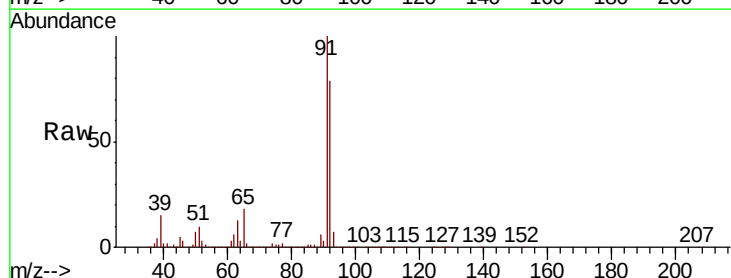
Acq: 03 Oct 2018 08:26

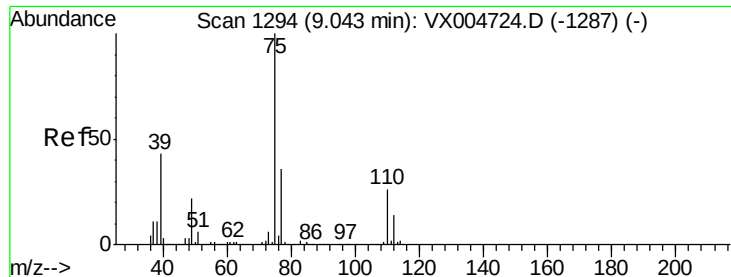
Tgt Ion: 92 Resp:10776989

Ion Ratio Lower Upper

92 100

91 147.5 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 30.616 ug/l

RT: 8.79 min Scan# 1253

Delta R.T. -0.25 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

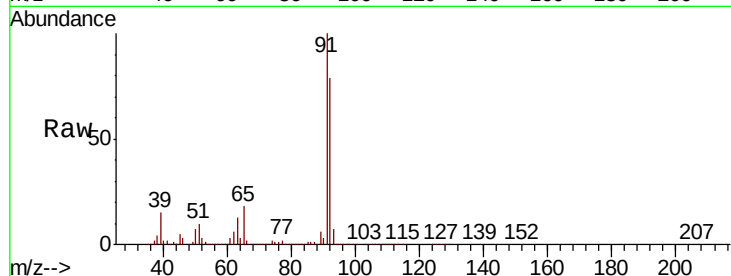
B-8(9-9.5)

Tot Ion: 75 Resp: 136517

Ion Ratio Lower Upper

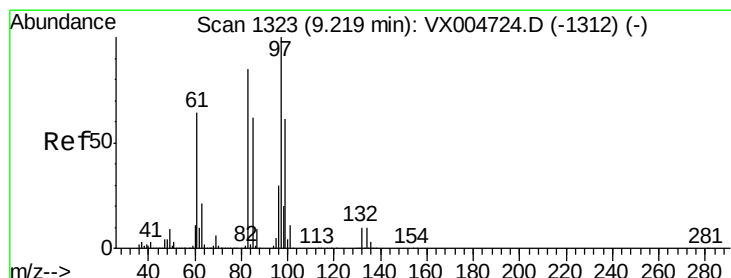
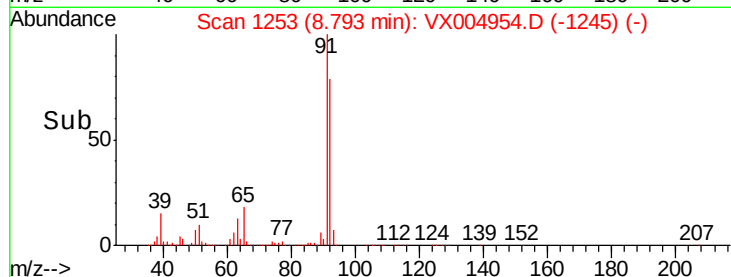
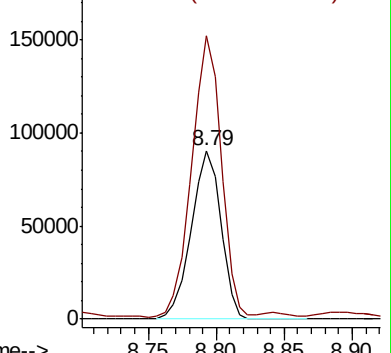
75 100

77 166.3 28.9 43.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#55

1,1,2-Trichloroethane

Concen: 4.118 ug/l

RT: 9.27 min Scan# 1331

Delta R.T. 0.05 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Tgt Ion: 97 Resp: 13555

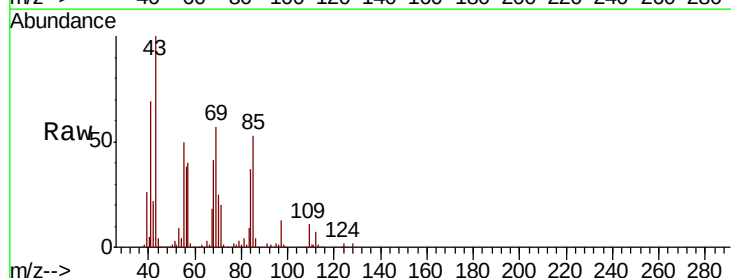
Ion Ratio Lower Upper

97 100

83 62.8 68.2 102.2#

85 410.4 49.9 74.9#

99 1.2 48.9 73.3#

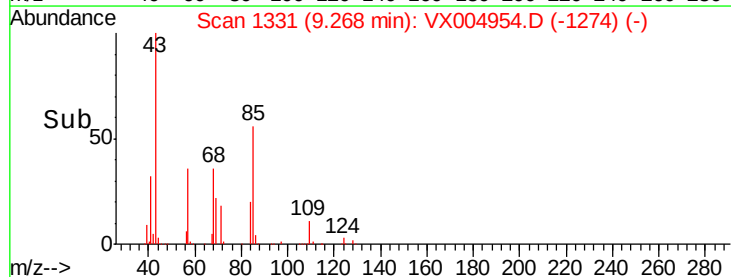
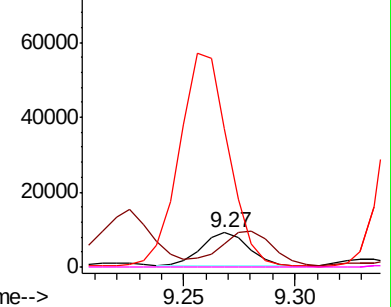


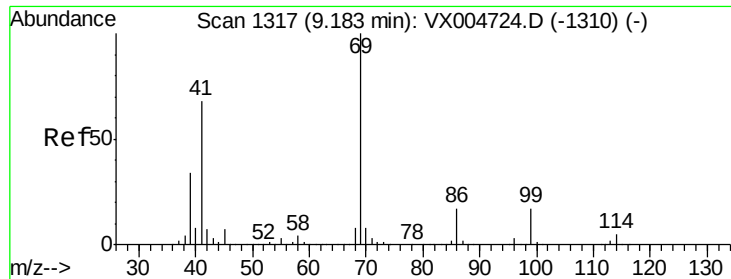
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#56

Ethyl methacrylate

Concen: 16.355 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

B-8(9-9.5)

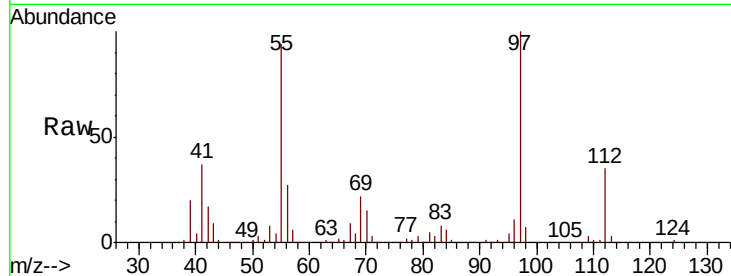
Tot Ion: 69 Resp: 76440

Ion Ratio Lower Upper

69 100

41 100.8 56.9 85.3#

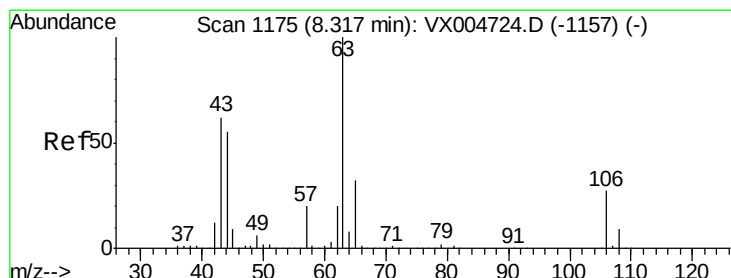
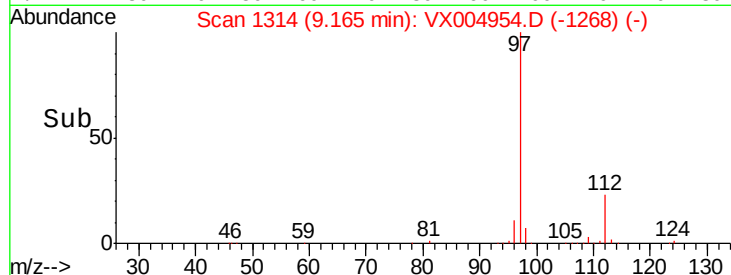
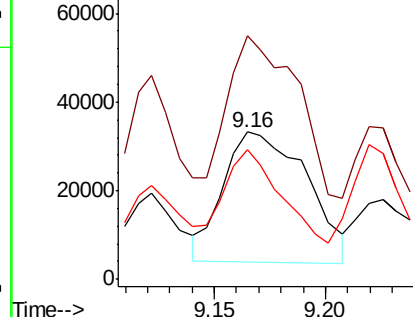
39 49.0 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 15.229 ug/l

RT: 8.34 min Scan# 1179

Delta R.T. 0.02 min

Lab File: VX004954.D

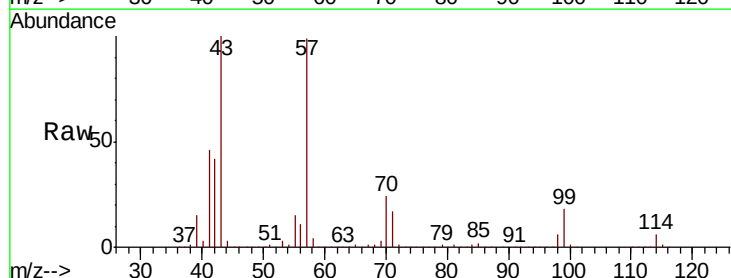
Acq: 03 Oct 2018 08:26

Tgt Ion: 63 Resp: 2968

Ion Ratio Lower Upper

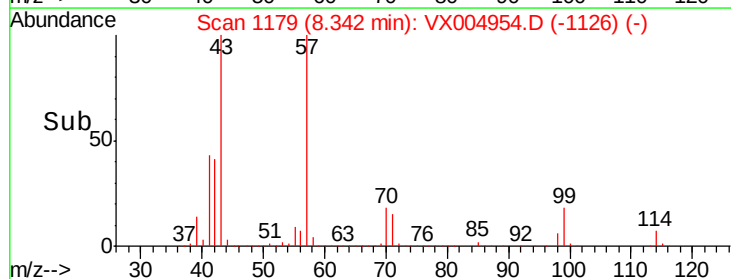
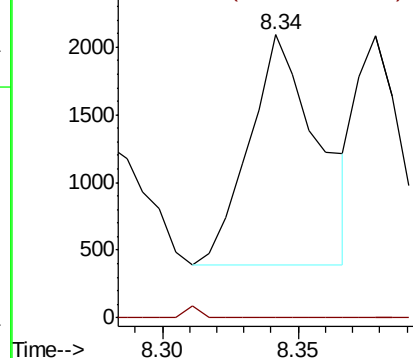
63 100

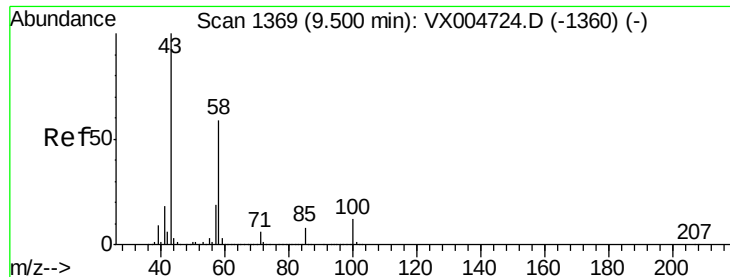
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

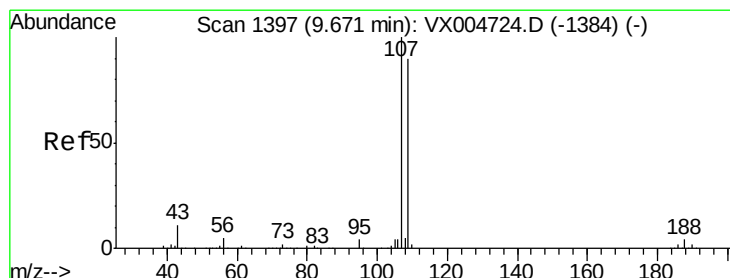
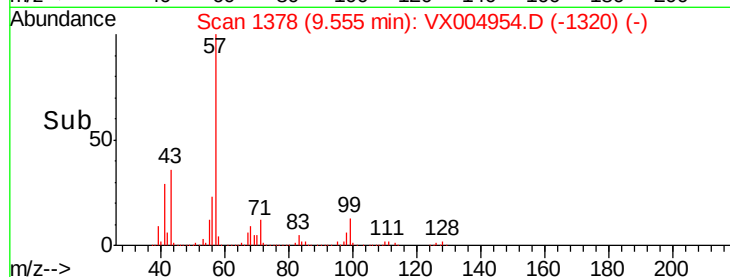
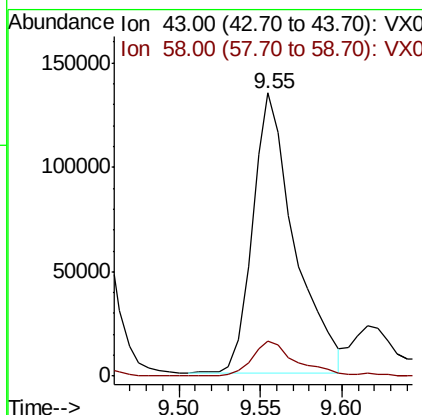
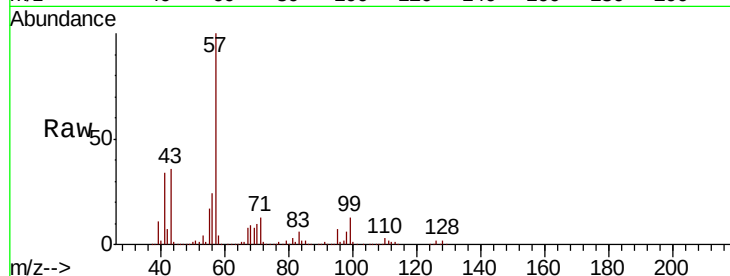




#59
2-Hexanone
Concen: 54.100 ug/l
RT: 9.55 min Scan# 1378
Delta R.T. 0.05 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

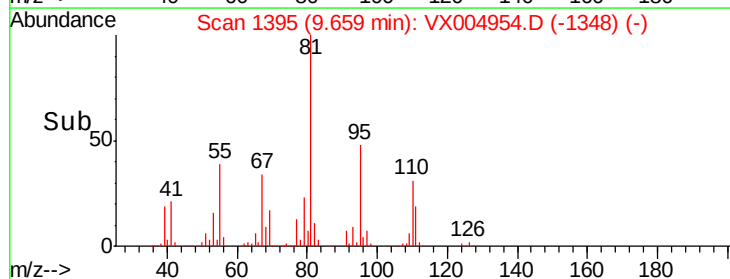
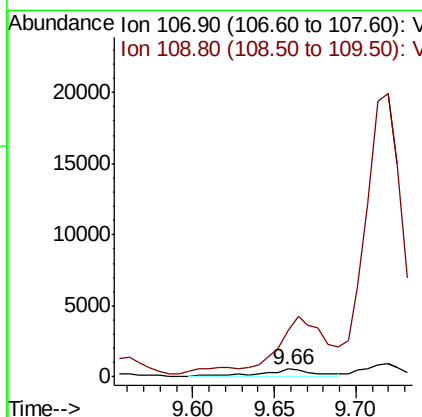
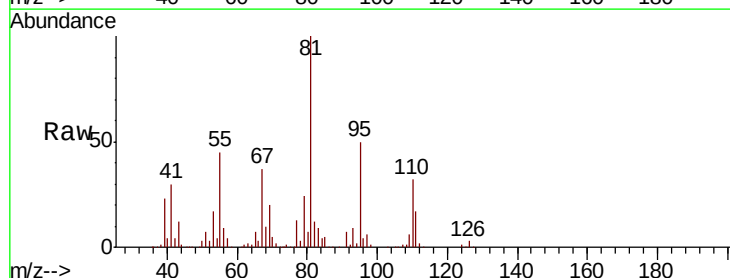
Instrument :
MSVOA_X
ClientSampled :
B-8(9-9.5)

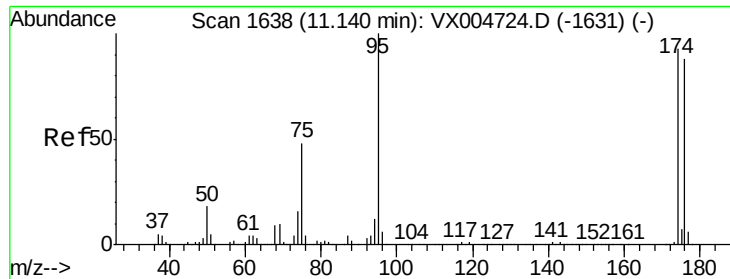
Tot Ion: 43 Resp: 23752
Ion Ratio Lower Upper
43 100
58 13.5 28.4 85.3#



#61
1,2-Dibromoethane
Concen: 0.357 ug/l
RT: 9.66 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

Tgt Ion:107 Resp: 1259
Ion Ratio Lower Upper
107 100
109 528.0 72.1 108.1#





#62

4-Bromofluorobenzene

Concen: 59.676 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampled :

B-8(9-9.5)

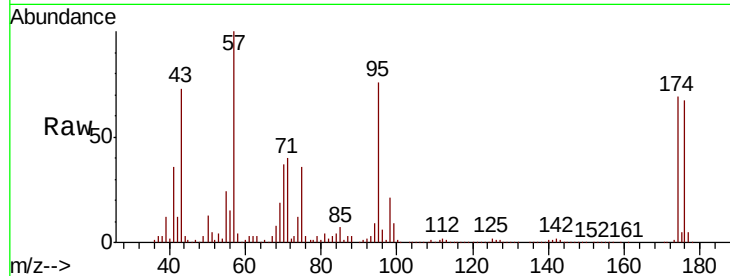
Tot Ion: 95 Resp: 228817

Ion Ratio Lower Upper

95 100

174 89.6 0.0 185.0

176 86.8 0.0 180.2

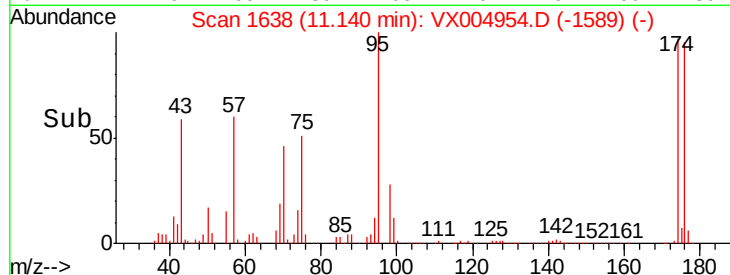


Abundance Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)

Time-->

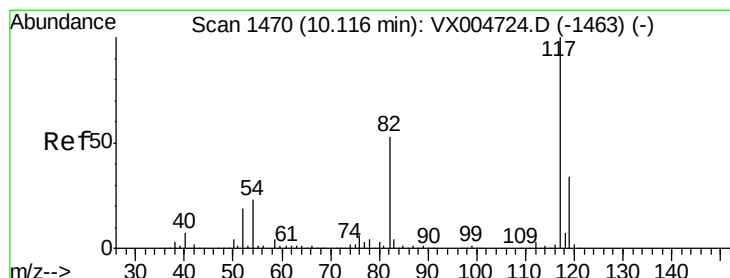


Abundance Ion 94.90 (94.60 to 95.60): VX004954.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX004954.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX004954.D (-1589) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

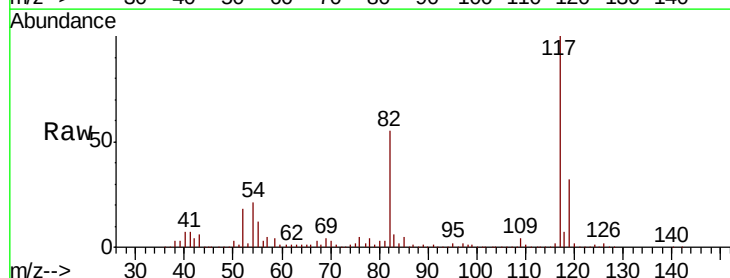
Tgt Ion: 117 Resp: 374060

Ion Ratio Lower Upper

117 100

82 53.9 42.2 63.4

119 32.1 27.4 41.0

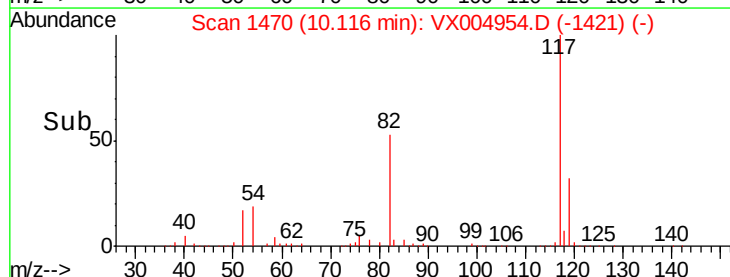


Abundance Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)

Time-->

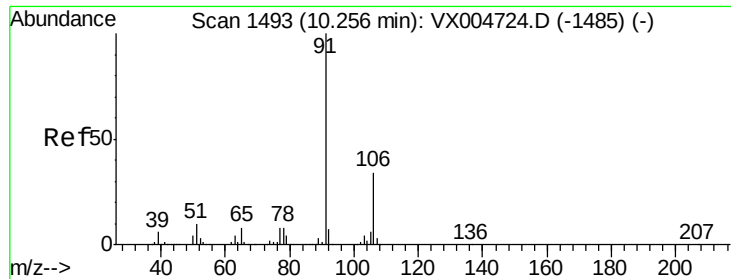


Abundance Ion 116.90 (116.60 to 117.60): VX004954.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX004954.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX004954.D (-1421) (-)

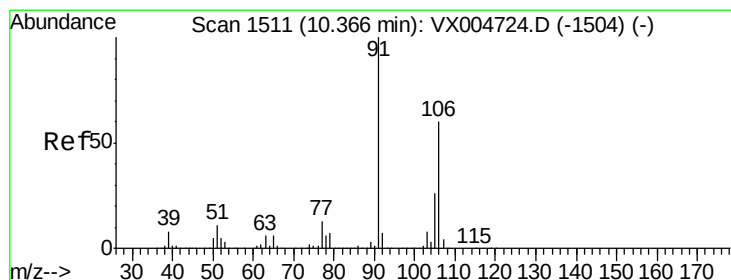
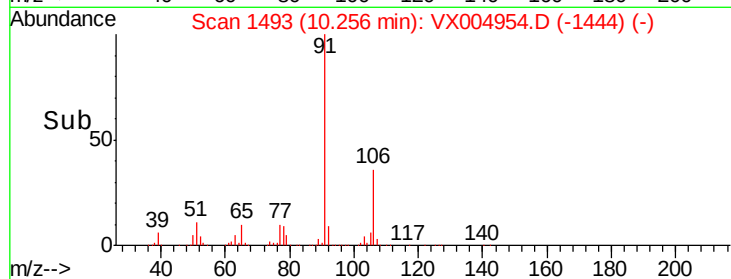
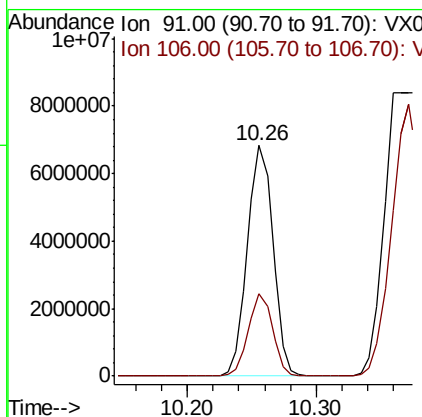
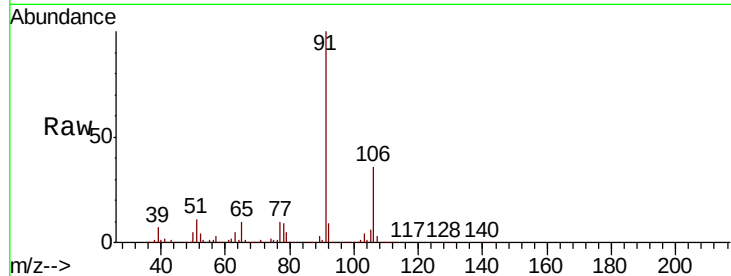
Time-->



#67
Ethyl Benzene
Concen: 615.175 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

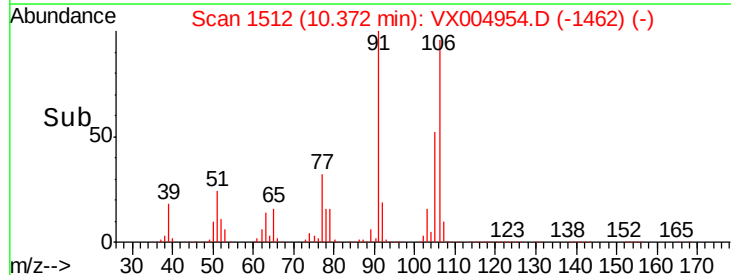
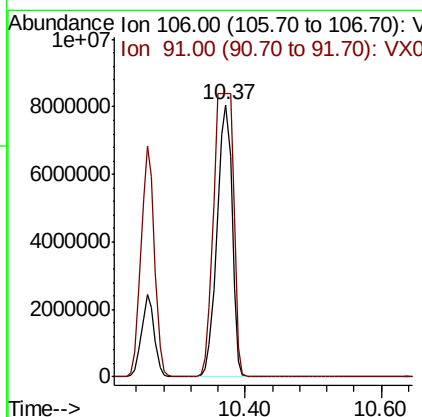
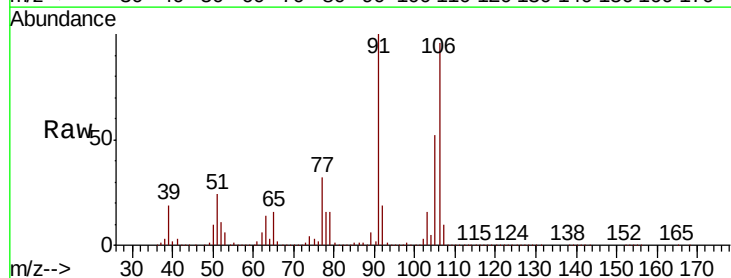
Instrument :
MSVOA_X
ClientSampleId :
B-8(9-9.5)

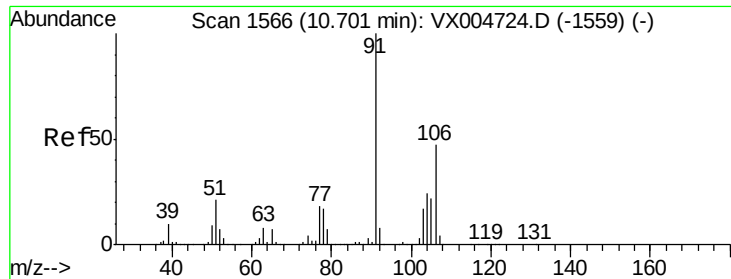
Tot Ion: 91 Resp: 9368152
Ion Ratio Lower Upper
91 100
106 35.7 26.9 40.3



#68
m/p-Xylenes
Concen: 2075.292 ug/l
RT: 10.37 min Scan# 1512
Delta R.T. 0.01 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

Tgt Ion: 106 Resp: 12349728
Ion Ratio Lower Upper
106 100
91 140.0 157.5 236.3#

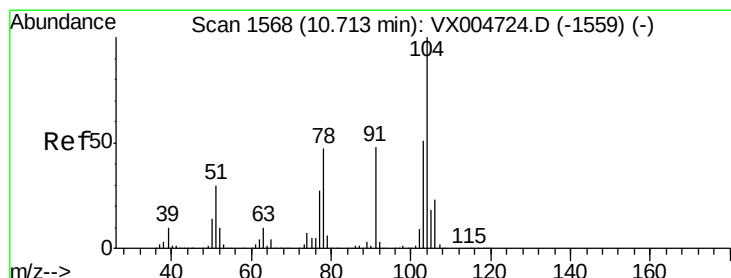
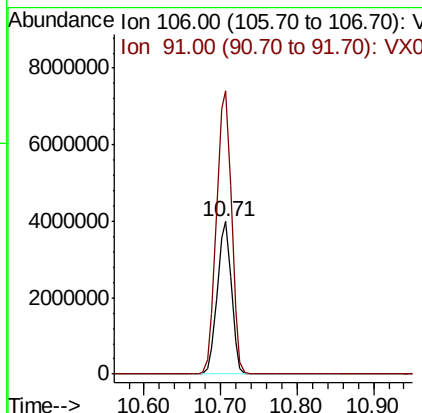
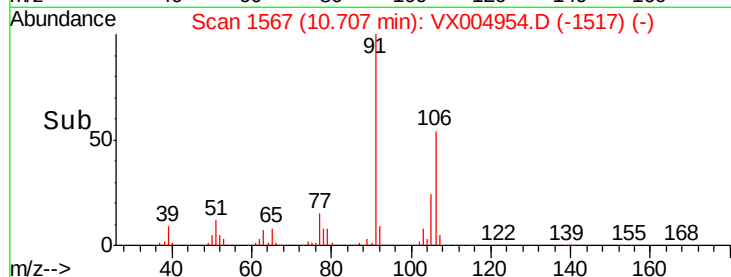
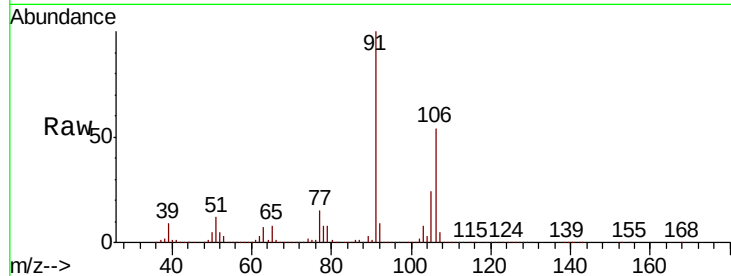




#69
o-Xylene
Concen: 935.774 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

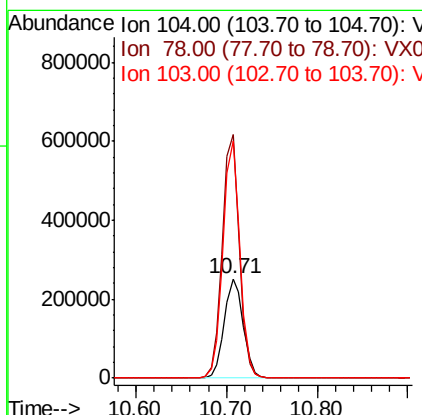
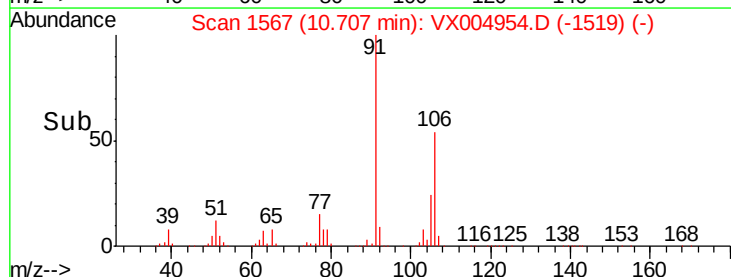
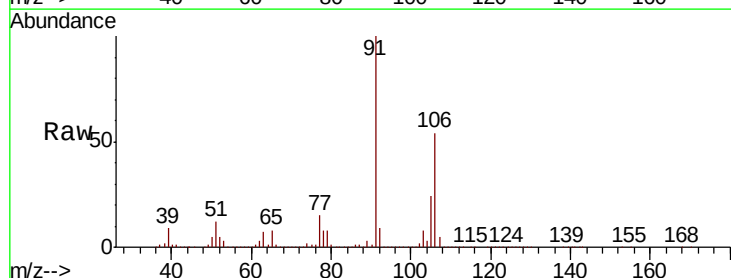
Instrument :
MSVOA_X
ClientSampleId :
B-8(9-9.5)

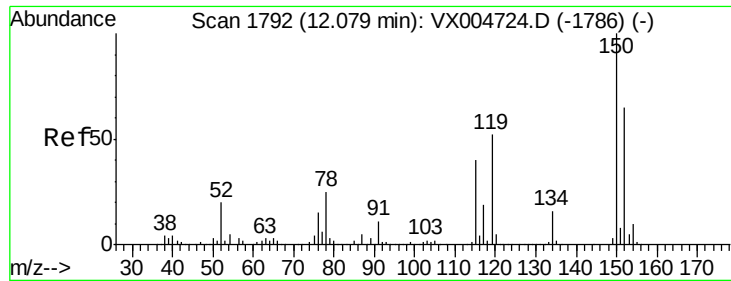
Tot Ion:106 Resp: 5114765
Ion Ratio Lower Upper
106 100
91 197.6 108.3 324.8



#70
Styrene
Concen: 36.565 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

Tgt Ion:104 Resp: 367655
Ion Ratio Lower Upper
104 100
78 219.5 40.0 60.0#
103 212.7 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

B-8(9-9.5)

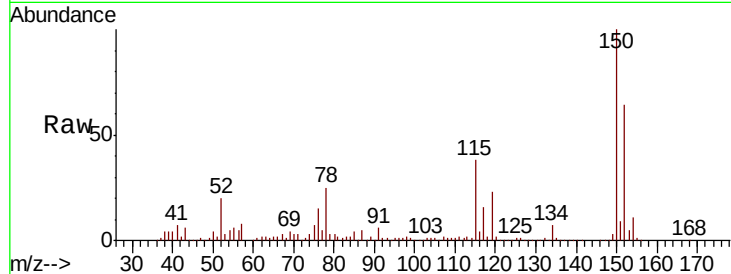
Tot Ion:152 Resp: 236286

Ion Ratio Lower Upper

152 100

115 63.2 40.2 120.6

150 155.5 0.0 351.0



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

400000

300000

200000

100000

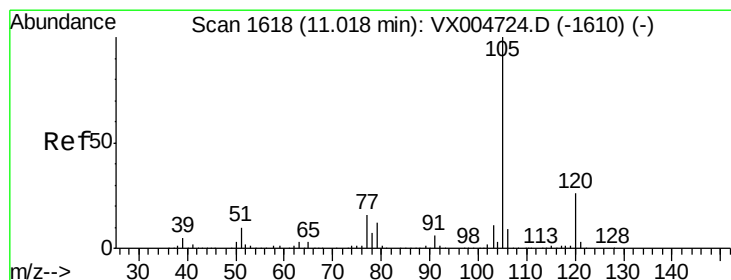
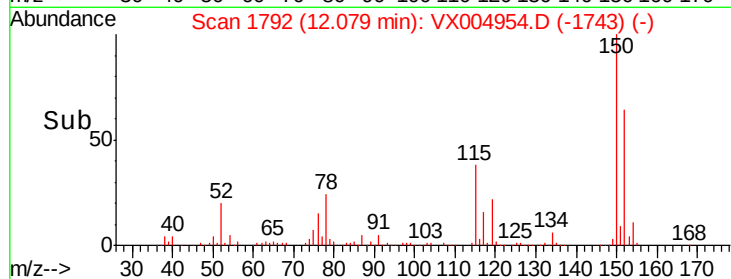
0

12.08

12.00

12.10

Time-->



#73

Isopropylbenzene

Concen: 78.953 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004954.D

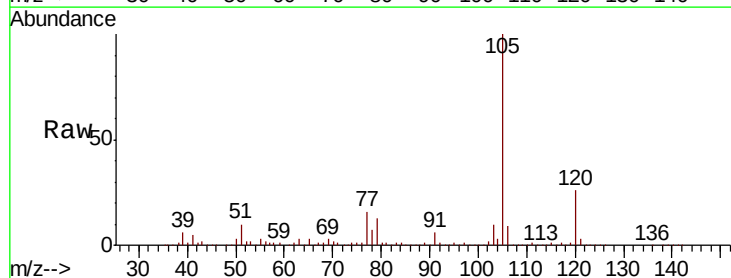
Acq: 03 Oct 2018 08:26

Tgt Ion:105 Resp: 1175884

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

400000

200000

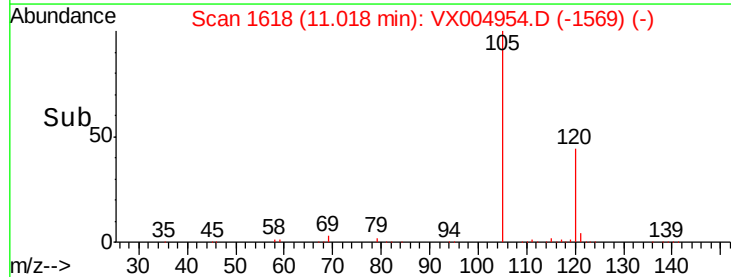
0

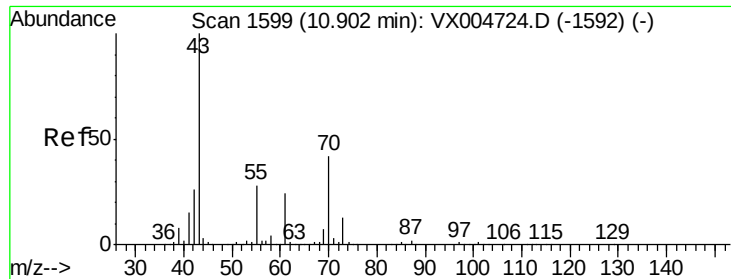
11.02

10.90

11.10

Time-->





#74

N-amvl acetate

Concen: 11.205 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampled :

B-8(9-9.5)

Tot Ion: 43 Resp: 80223

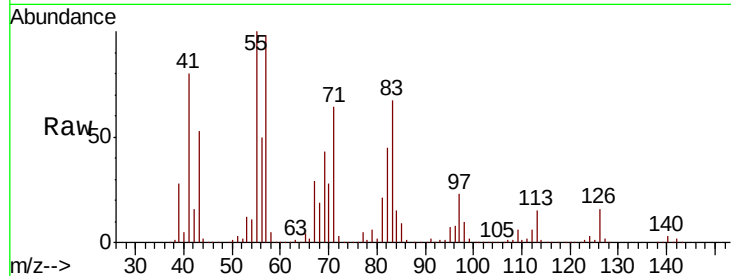
Ion Ratio Lower Upper

43 100

70 26.5 32.6 48.8#

55 199.4 21.6 32.4#

61 0.0 19.1 28.7#

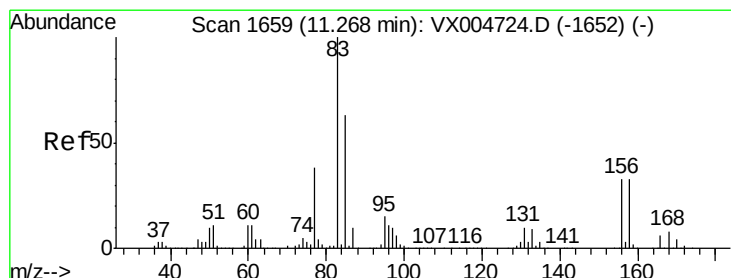
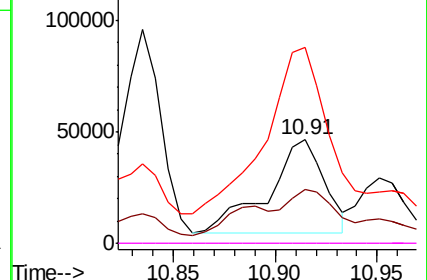
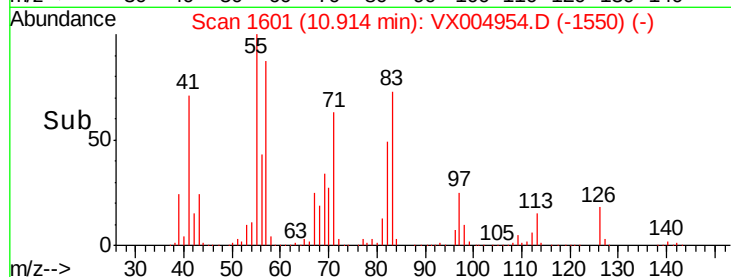


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 4.321 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

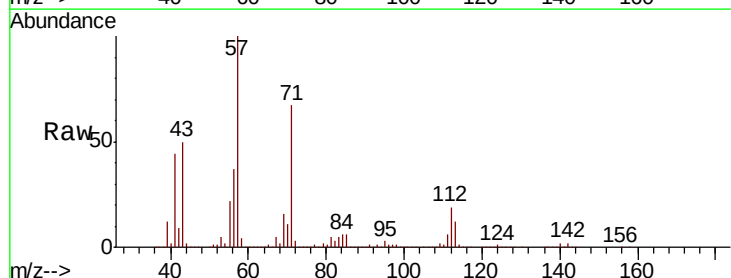
Tgt Ion: 83 Resp: 26196

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

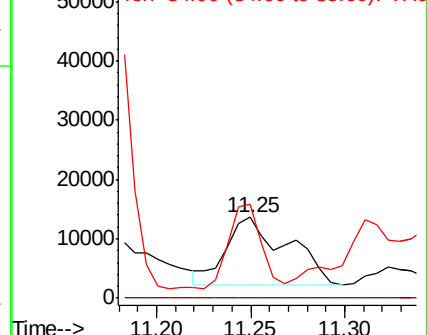
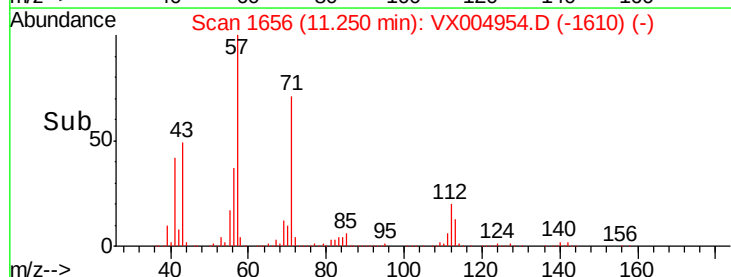
85 64.0 31.9 95.9

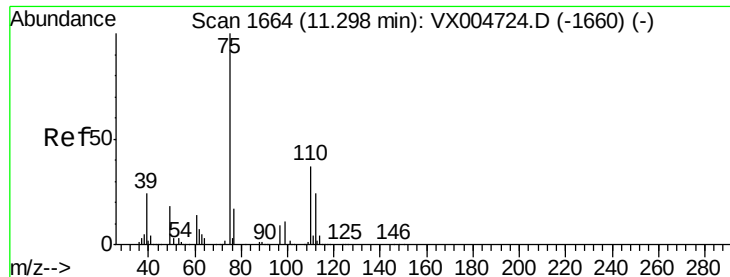


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 5.763 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.07 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

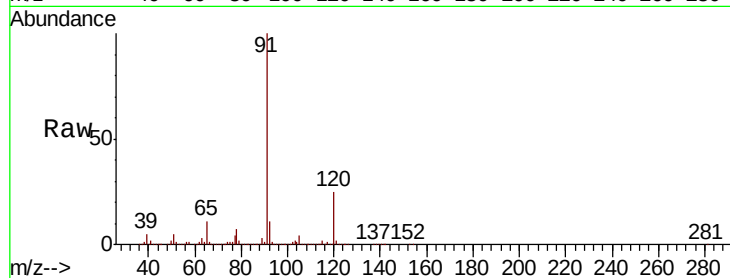
B-8(9-9.5)

Tot Ion: 75 Resp: 30523

Ion Ratio Lower Upper

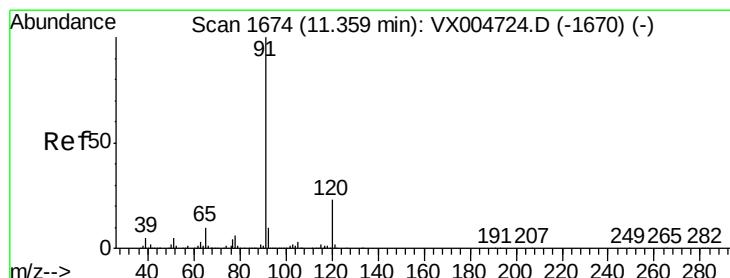
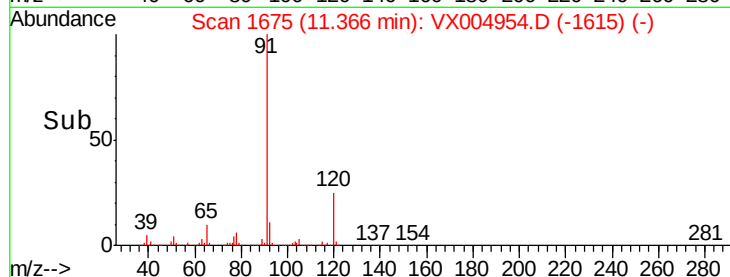
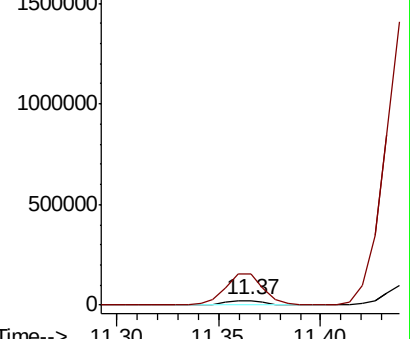
75 100

77 661.7 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 293.744 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VX004954.D

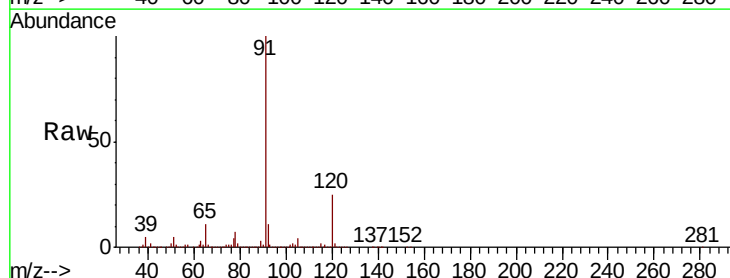
Acq: 03 Oct 2018 08:26

Tgt Ion: 91 Resp: 5019627

Ion Ratio Lower Upper

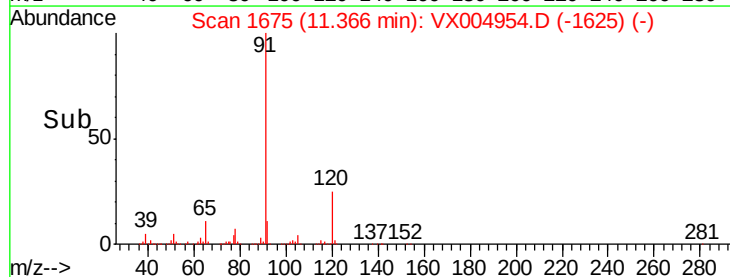
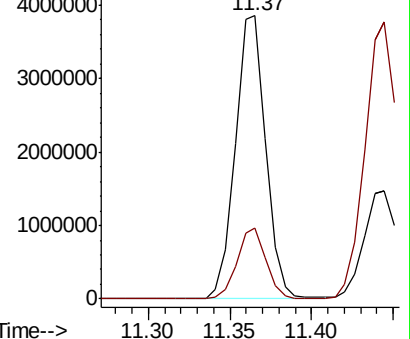
91 100

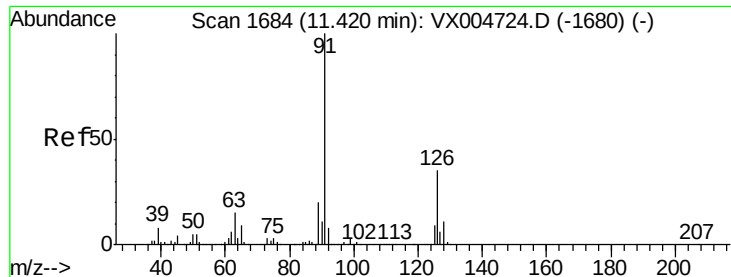
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

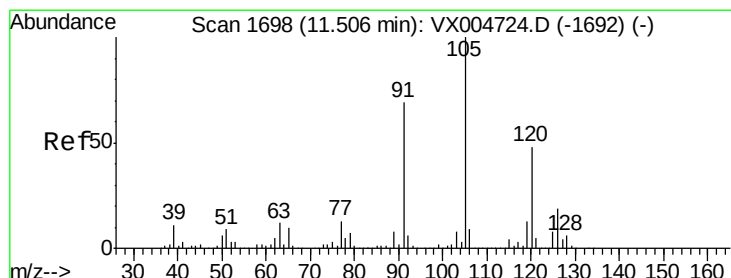
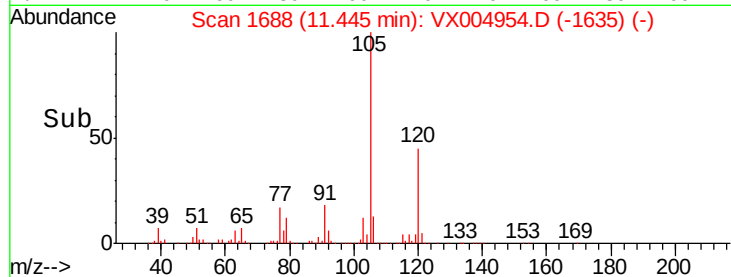
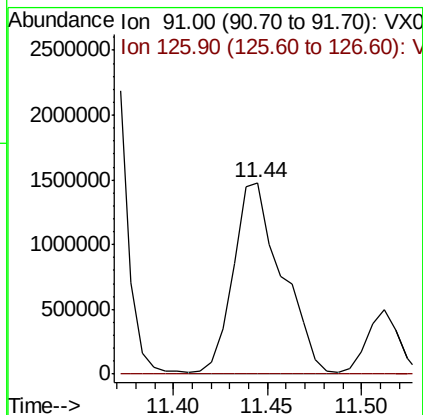
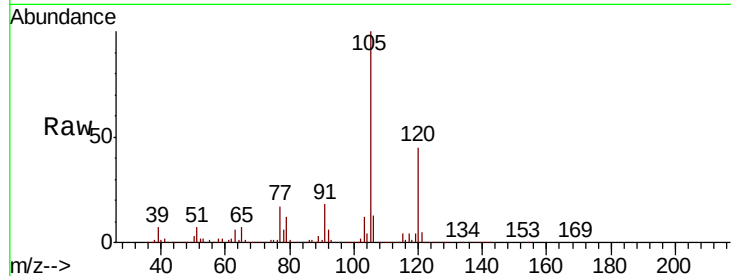




#79
 2-Chlorotoluene
 Concen: 248.002 ug/l
 RT: 11.44 min Scan# 1688
 Delta R.T. 0.02 min
 Lab File: VX004954.D
 Acq: 03 Oct 2018 08:26

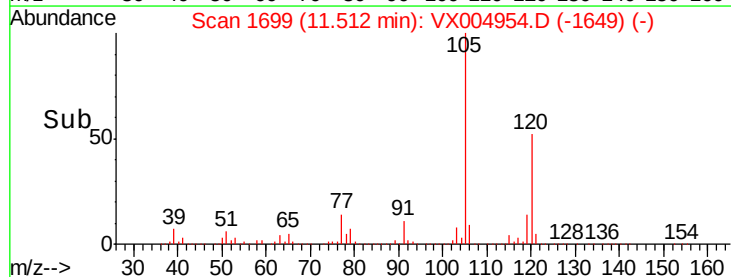
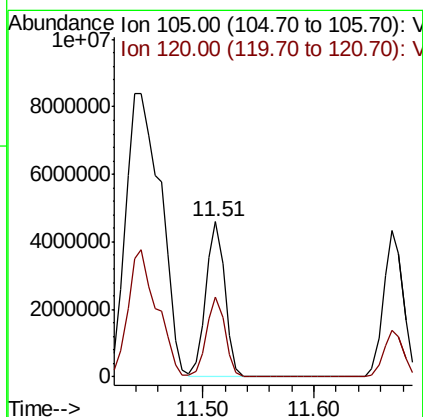
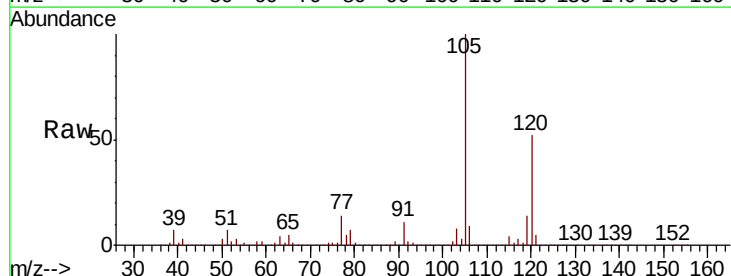
Instrument :
 MSVOA_X
 ClientSampled :
 B-8(9-9.5)

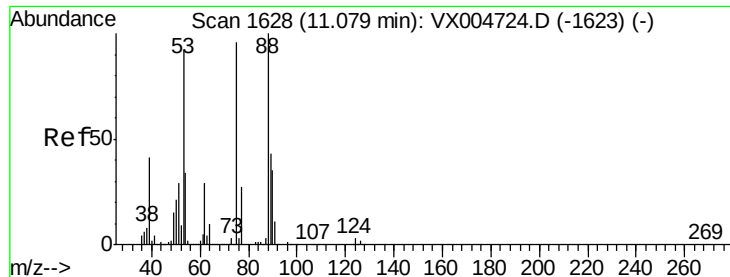
Tot Ion: 91 Resp: 2641597
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.6 52.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 402.610 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX004954.D
 Acq: 03 Oct 2018 08:26

Tgt Ion:105 Resp: 5476742
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.3 72.8

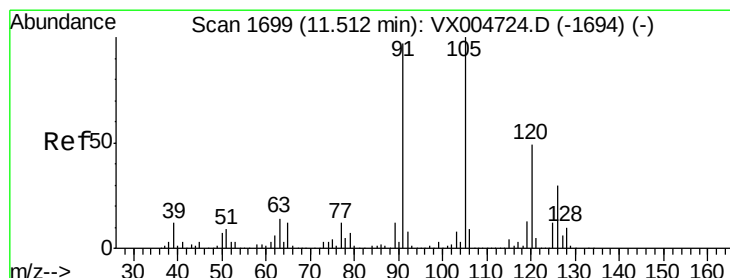
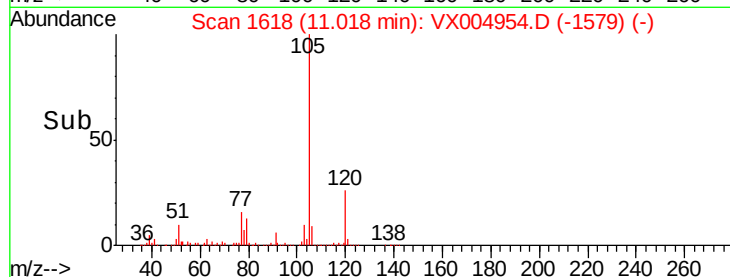
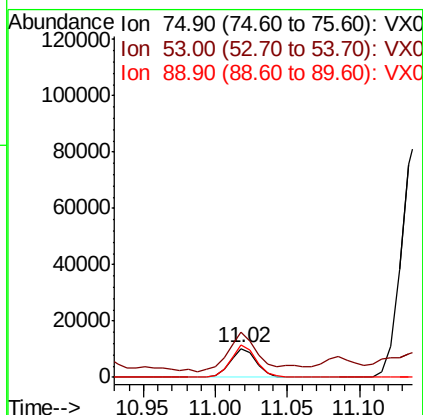
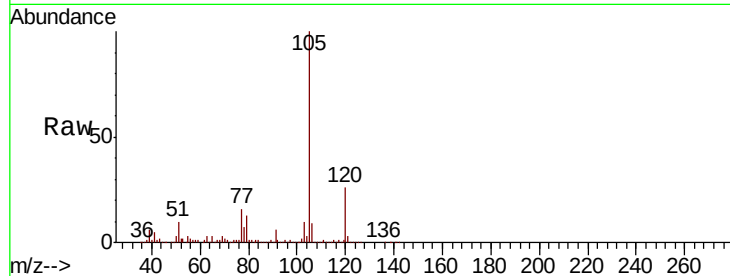




#81
trans-1,4-Dichloro-2-butene
Concen: 8.719 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.06 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

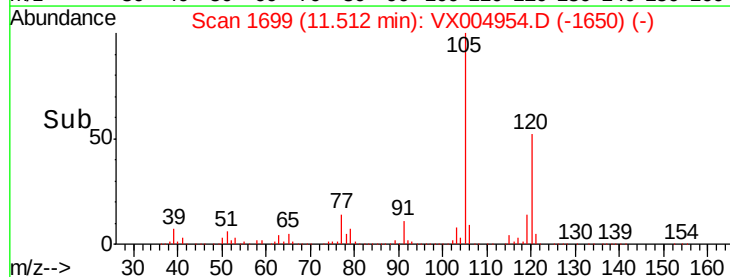
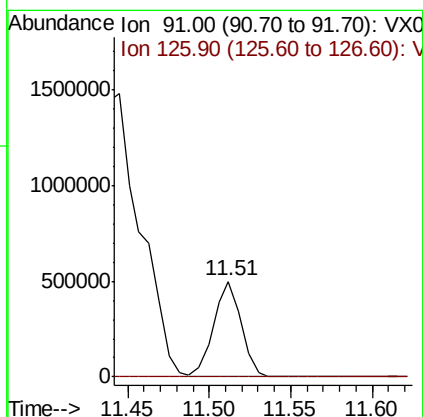
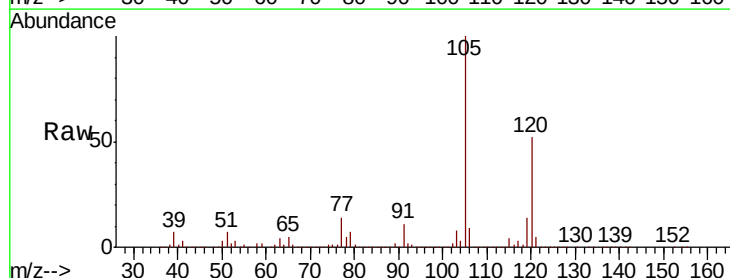
Instrument :
MSVOA_X
ClientSampleId :
B-8(9-9.5)

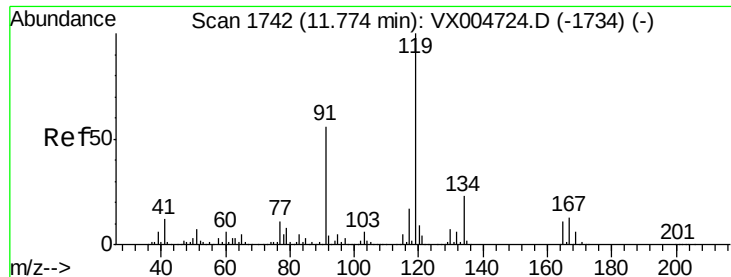
Tot Ion: 75 Resp: 13613
Ion Ratio Lower Upper
75 100
53 158.0 80.2 120.4#
89 108.1 37.1 55.7#



#82
4-Chlorotoluene
Concen: 46.382 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

Tgt Ion: 91 Resp: 581502
Ion Ratio Lower Upper
91 100
126 0.3 15.5 46.5#

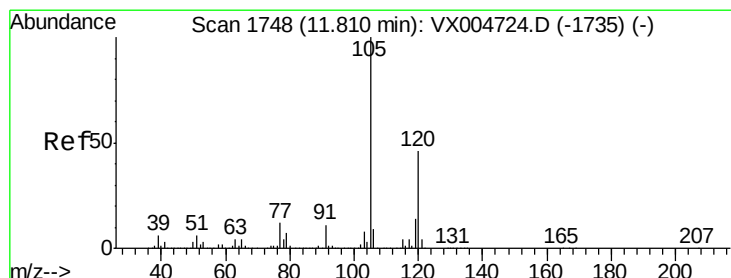
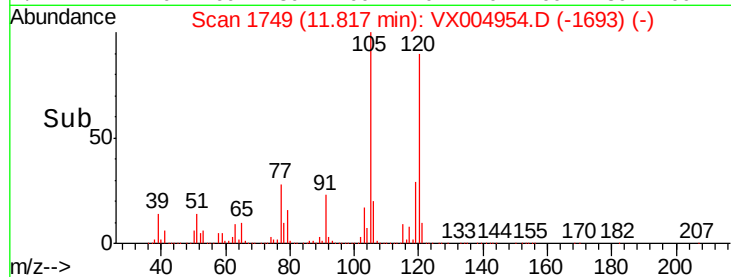
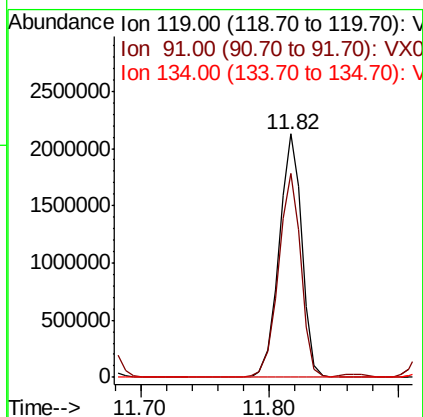
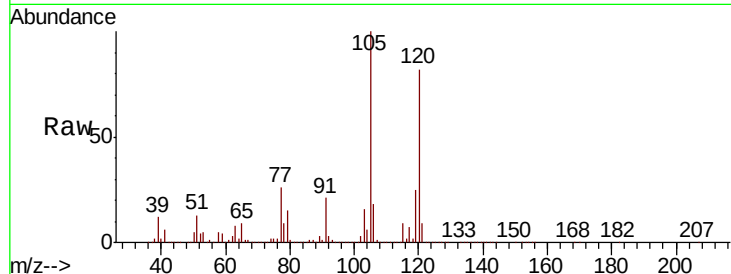




#83
 tert-Butylbenzene
 Concen: 215.177 ug/l
 RT: 11.82 min Scan# 1749
 Delta R.T. 0.04 min
 Lab File: VX004954.D
 Acq: 03 Oct 2018 08:26

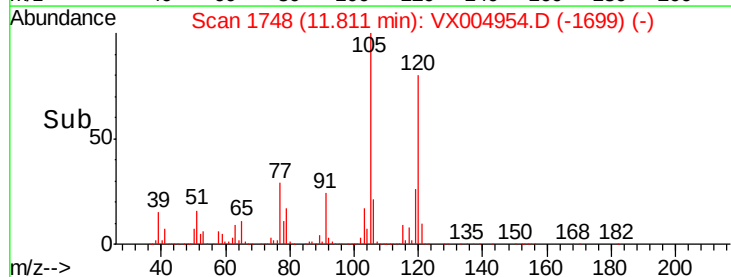
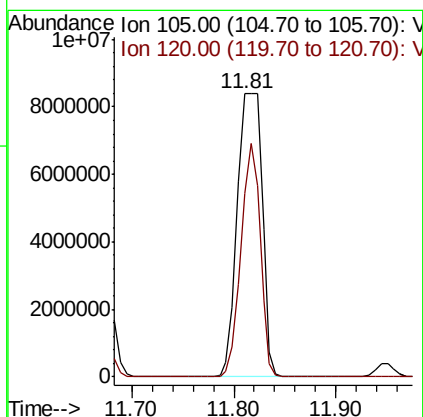
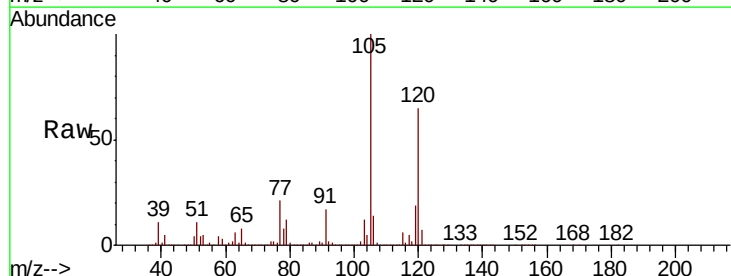
Instrument :
 MSVOA_X
 ClientSampled :
 B-8(9-9.5)

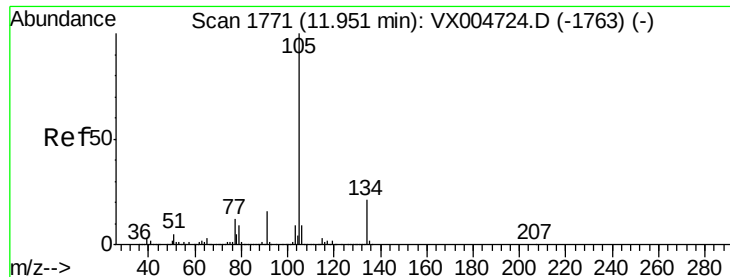
Tot Ion:119 Resp: 2638542
 Ion Ratio Lower Upper
 119 100
 91 82.7 27.5 82.5#
 134 0.0 11.5 34.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1011.005 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004954.D
 Acq: 03 Oct 2018 08:26

Tgt Ion:105 Resp:14178659
 Ion Ratio Lower Upper
 105 100
 120 63.3 22.8 68.3





#85

sec-Butylbenzene

Concen: 34.432 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

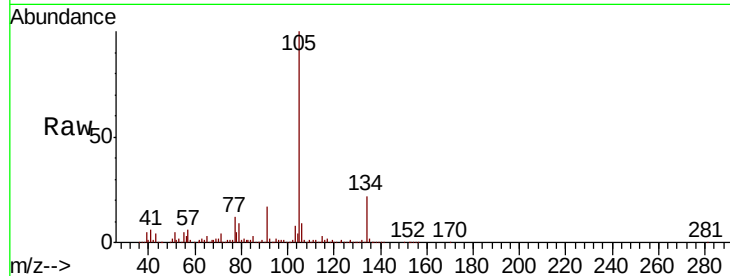
B-8(9-9.5)

Tot Ion:105 Resp: 514275

Ion Ratio Lower Upper

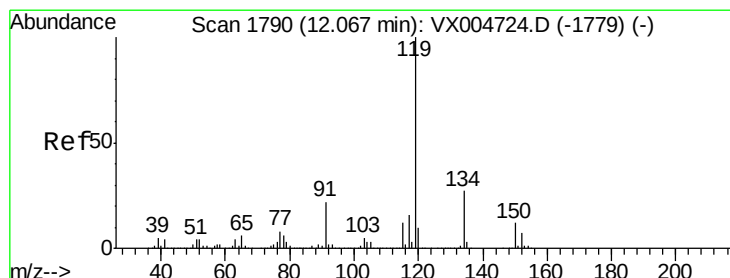
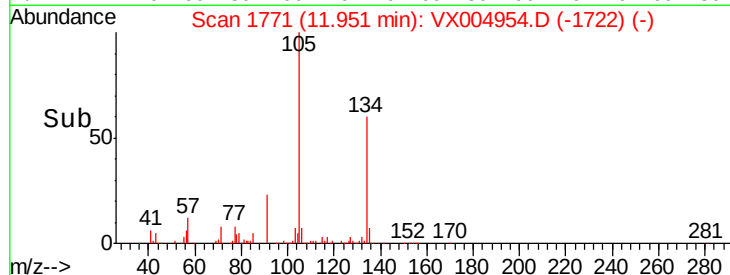
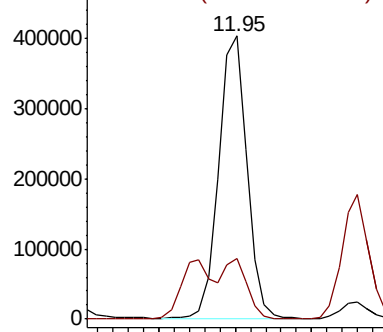
105 100

134 17.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.640 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.04 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

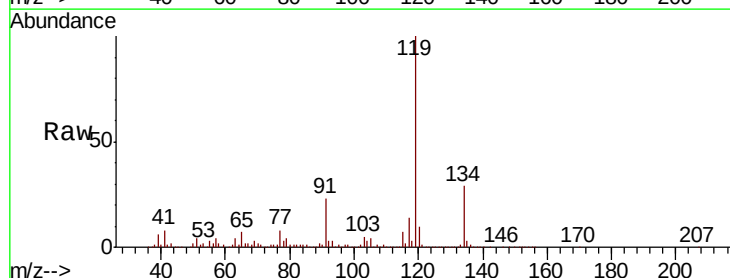
Tgt Ion:119 Resp: 766443

Ion Ratio Lower Upper

119 100

134 28.3 13.4 40.1

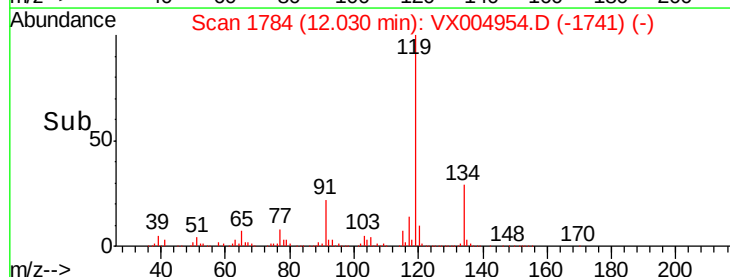
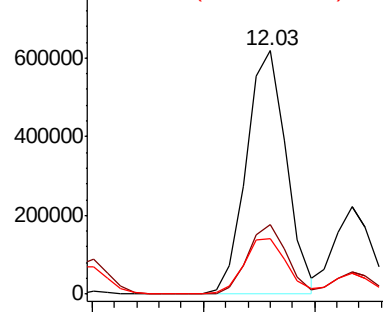
91 23.7 11.5 34.4

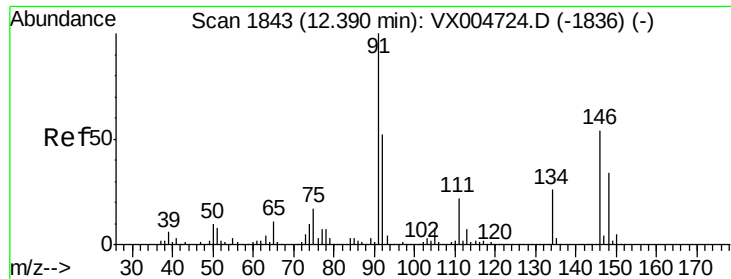


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

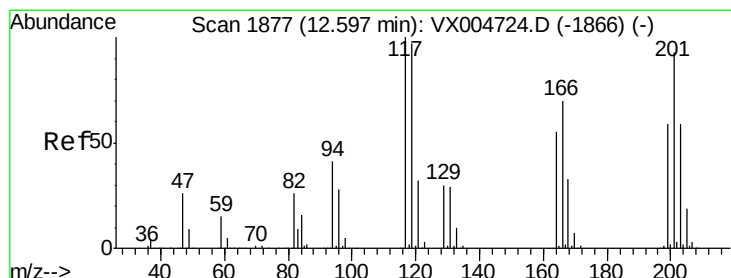
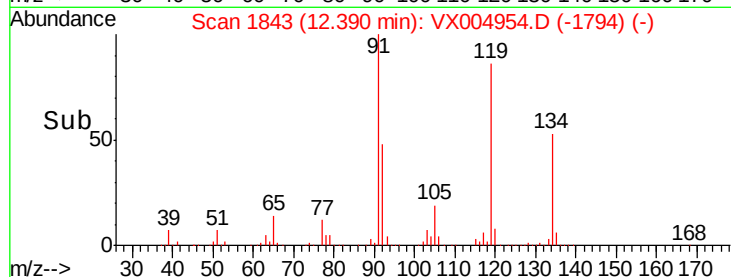
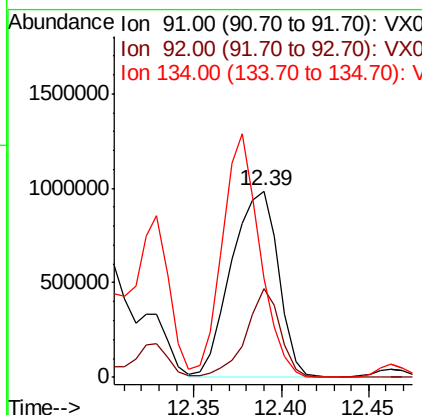
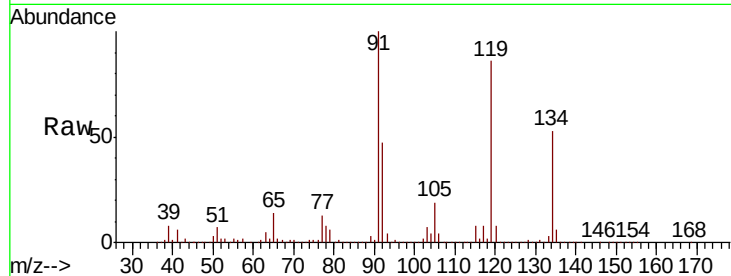




#89
n-Butylbenzene
Concen: 149.284 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

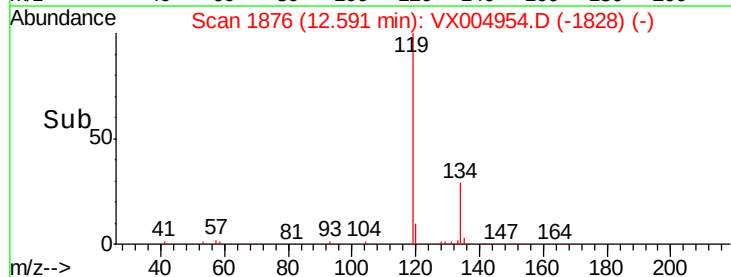
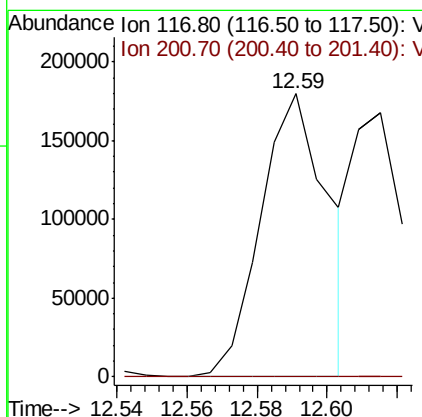
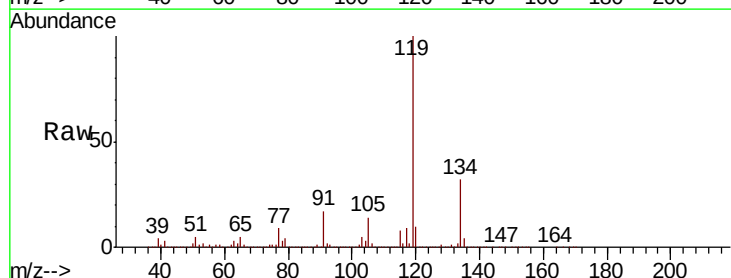
Instrument :
MSVOA_X
ClientSampled :
B-8(9-9.5)

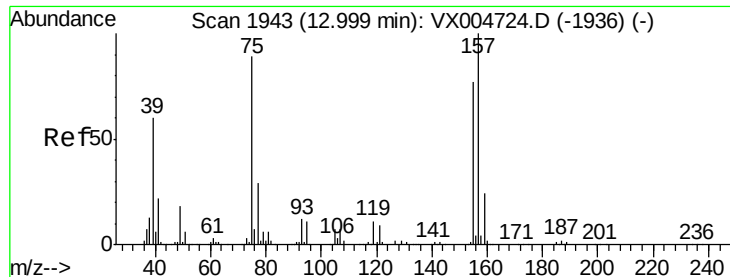
Tot Ion: 91 Resp: 1834635
Ion Ratio Lower Upper
91 100
92 34.7 26.0 78.0
134 104.9 13.2 39.6#



#90
Hexachloroethane
Concen: 106.227 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX004954.D
Acq: 03 Oct 2018 08:26

Tgt Ion: 117 Resp: 239333
Ion Ratio Lower Upper
117 100
201 0.0 48.4 145.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.356 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

Instrument :

MSVOA_X

ClientSampleId :

B-8(9-9.5)

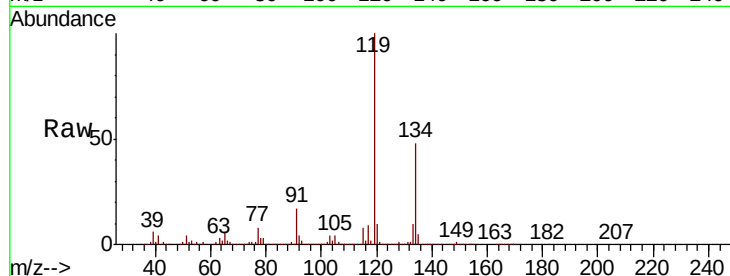
Tot Ion: 75 Resp: 13786

Ion Ratio Lower Upper

75 100

155 2.5 46.1 138.3#

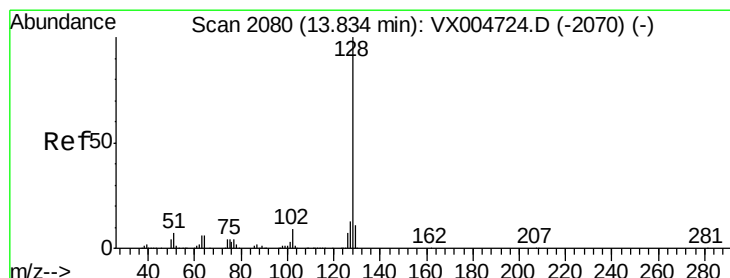
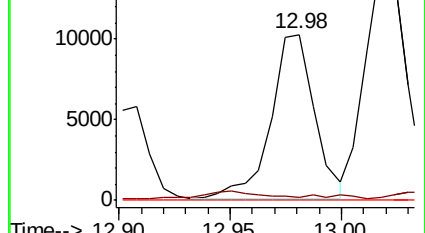
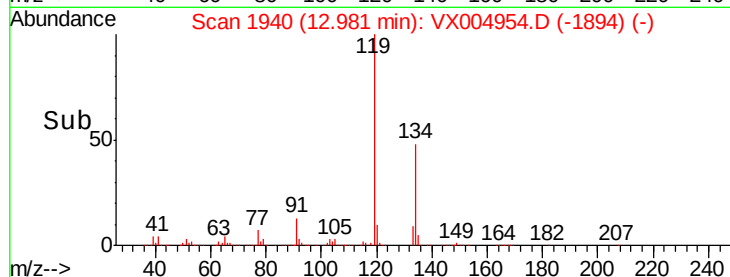
157 0.0 60.2 180.6#



Abundance Ion 74.90 (74.60 to 75.60): VX004954.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX004954.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX004954.D (-1894) (-)



#95

Naphthalene

Concen: 209.102 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004954.D

Acq: 03 Oct 2018 08:26

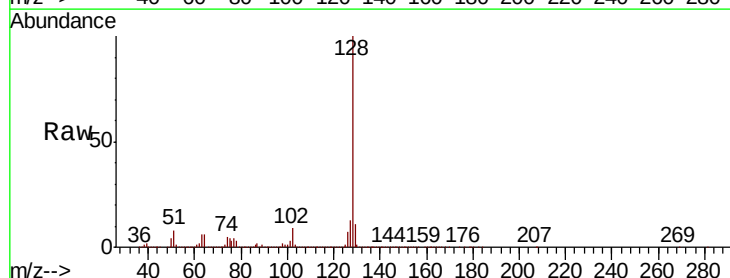
Tgt Ion:128 Resp: 4155403

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VX004954.D (-2031) (-)

Ion 127.00 (126.70 to 127.70): VX004954.D (-2031) (-)

Ion 129.00 (128.70 to 129.70): VX004954.D (-2031) (-)

