

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008670.D
 Acq On : 05 Apr 2019 05:19
 Operator : JC/SP
 Sample : K2274-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW148-190402

Quant Time: Apr 05 07:16:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	355400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	308452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	144932	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
35) Dibromofluoromethane	5.50	113	108657	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	8.71	98	447207	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	149918	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	1797	Below Cal	94
4) Vinyl Chloride	1.40	62	148662	44.463 ug/l	97
5) Bromomethane	1.65	94	759	2.329 ug/l	81
6) Chloroethane	1.72	64	993	Below Cal	# 75
10) Methyl Iodide	2.51	142	965	4.413 ug/l	93
11) Tert butyl alcohol	3.03	59	2526	3.443 ug/l	# 72
12) 1,1-Dichloroethene	2.37	96	835	0.336 ug/l	98
13) Acrolein	2.29	56	188	0.517 ug/l	87
14) Allyl chloride	2.84	41	71223	12.525 ug/l	# 65
15) Acrylonitrile	3.17	53	2541	1.307 ug/l	# 60
16) Acetone	2.44	43	2164	1.199 ug/l	97
17) Carbon Disulfide	2.57	76	3447	Below Cal	97
18) Methyl Acetate	2.84	43	184422	42.126 ug/l	# 56
19) Methyl tert-butyl Ether	3.20	73	2707	0.305 ug/l	# 1
21) trans-1,2-Dichloroethene	3.17	96	2085	0.776 ug/l	90
24) 1,1-Dichloroethane	3.70	63	3738	0.689 ug/l	# 89
27) cis-1,2-Dichloroethene	4.60	96	154114	49.888 ug/l	89
28) Bromochloromethane	5.03	49	238	Below Cal	# 47
29) Tetrahydrofuran	5.15	42	714	0.377 ug/l	# 58
31) Cyclohexane	5.57	56	19097	3.527 ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	3029	0.773 ug/l	# 46
37) Ethyl Acetate	4.81	43	1457	0.281 ug/l	# 70
38) Carbon Tetrachloride	5.66	117	20835	6.480 ug/l	# 16
39) Methylcyclohexane	7.46	83	46719	9.735 ug/l	# 75
40) Benzene	6.15	78	10540	0.911 ug/l	96
43) Isopropyl Acetate	6.35	43	68345	8.414 ug/l	# 62
44) Trichloroethene	7.22	130	4238	1.572 ug/l	87
47) Bromodichloromethane	7.85	83	2080	0.576 ug/l	# 65
48) Methyl methacrylate	7.74	41	1439	0.350 ug/l	# 46
49) 1,4-Dioxane	7.76	88	50	0.650 ug/l	# 1
51) 4-Methyl-2-Pentanone	8.40	43	1350	0.258 ug/l	88
52) Toluene	8.78	92	1522	0.223 ug/l	94
55) 1,1,2-Trichloroethane	9.16	97	29160	10.647 ug/l	# 17
56) Ethyl methacrylate	9.16	69	7067	1.426 ug/l	# 1

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

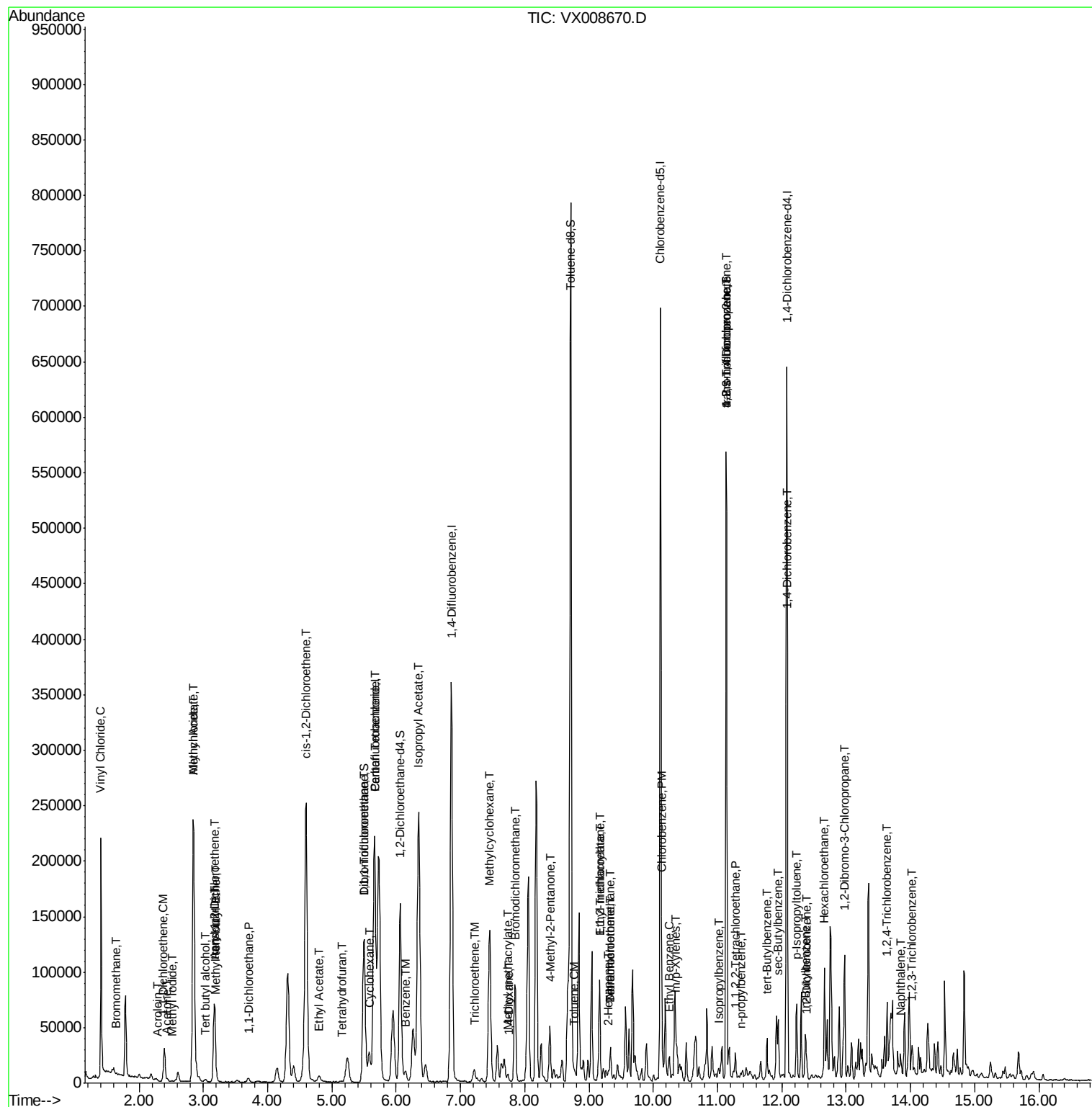
59) 2-Hexanone	9.30	43	4540	1.117	ug/l	84
60) Dibromochloromethane	9.34	129	4648	1.801	ug/l #	11
64) Tetrachloroethene	9.34	164	4769	2.087	ug/l	95
65) Chlorobenzene	10.13	112	5758	0.842	ug/l	96
67) Ethyl Benzene	10.25	91	6890	0.540	ug/l	100
68) m/p-Xylenes	10.36	106	1971	0.430	ug/l	82
73) Isopropylbenzene	11.02	105	4825	0.446	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	973	0.237	ug/l #	59
76) 1,2,3-Trichloropropane	11.13	75	76803	21.422	ug/l #	33
78) n-propylbenzene	11.36	91	2901	0.230	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	76803	59.052	ug/l #	9
83) tert-Butylbenzene	11.77	119	13255	1.518	ug/l	91
85) sec-Butylbenzene	11.94	105	25172	2.426	ug/l	96
86) p-Isopropyltoluene	12.23	119	28036	3.011	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	1237	0.262	ug/l #	45
89) n-Butylbenzene	12.38	91	5290	0.606	ug/l #	58
90) Hexachloroethane	12.66	117	3790	2.454	ug/l #	9
91) 1,2-Dichlorobenzene	12.39	146	1364	0.295	ug/l	85
92) 1,2-Dibromo-3-Chloropropan	12.97	75	593	0.655	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	840	0.261	ug/l #	1
95) Naphthalene	13.83	128	5428	0.505	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.02	180	852	0.265	ug/l #	1

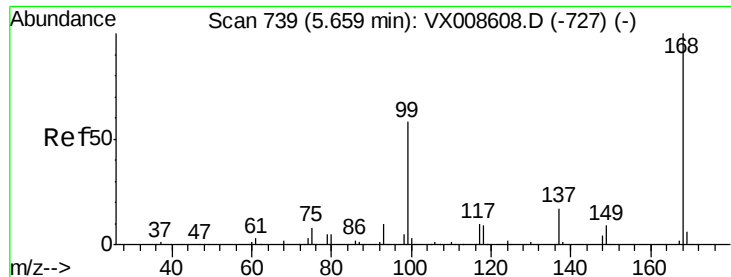
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

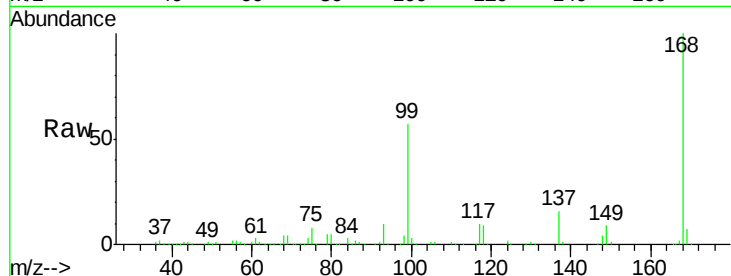
ST006MW148-190402

Tgt Ion:168 Resp: 214869

Ion Ratio Lower Upper

168 100

99 56.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

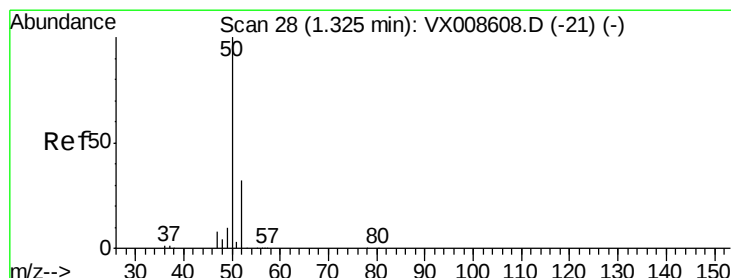
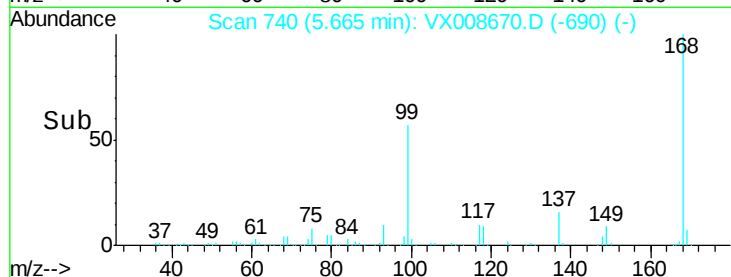
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008670.D

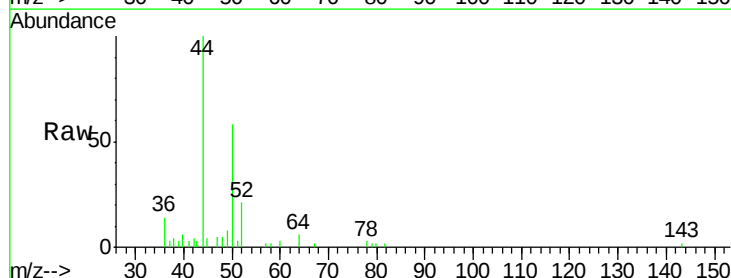
Acq: 05 Apr 2019 05:19

Tgt Ion: 50 Resp: 1797

Ion Ratio Lower Upper

50 100

52 35.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

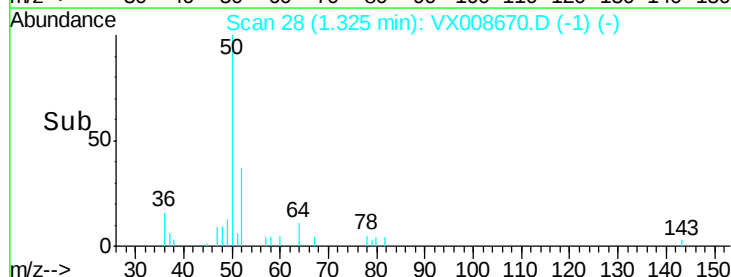
1500

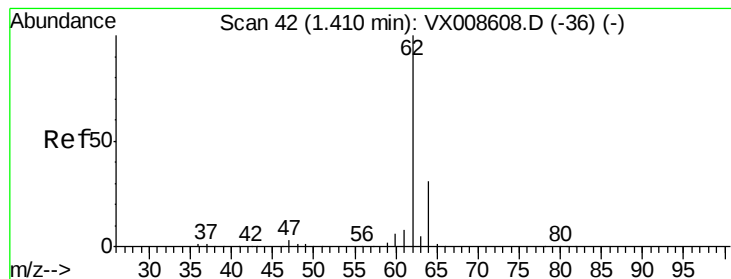
1000

500

0

Time--> 1.25 1.30 1.35





#4

Vinyl Chloride

Concen: 44.463 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

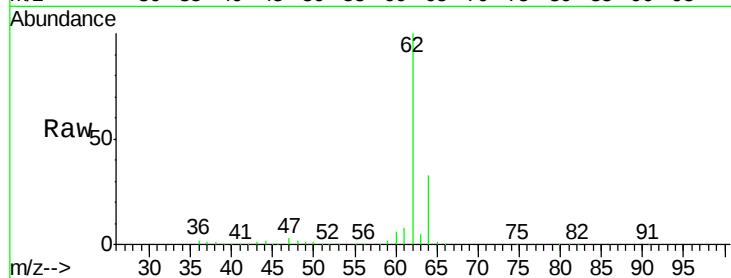
ST006MW148-190402

Tgt Ion: 62 Resp: 148662

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

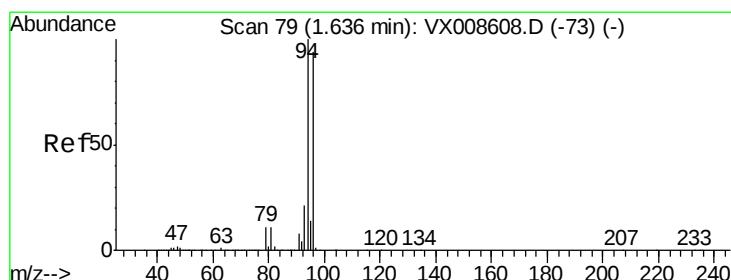
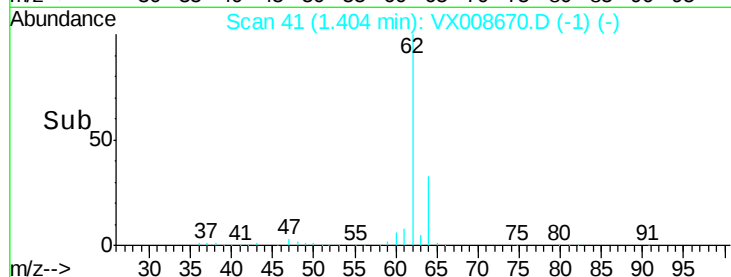
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 2.329 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008670.D

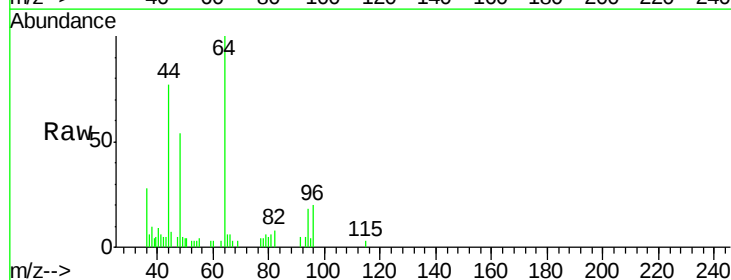
Acq: 05 Apr 2019 05:19

Tgt Ion: 94 Resp: 759

Ion Ratio Lower Upper

94 100

96 112.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

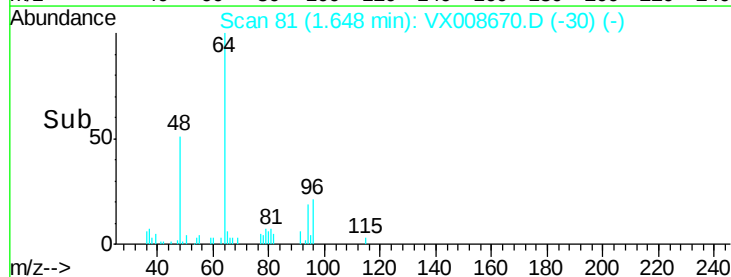
300

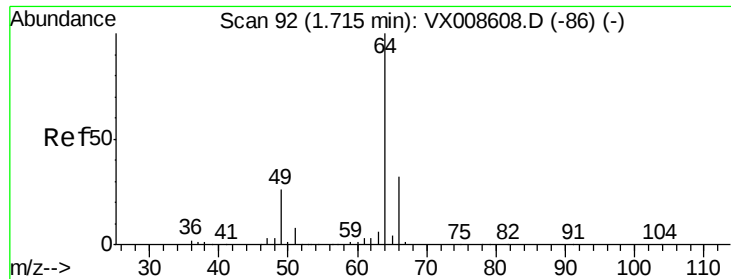
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

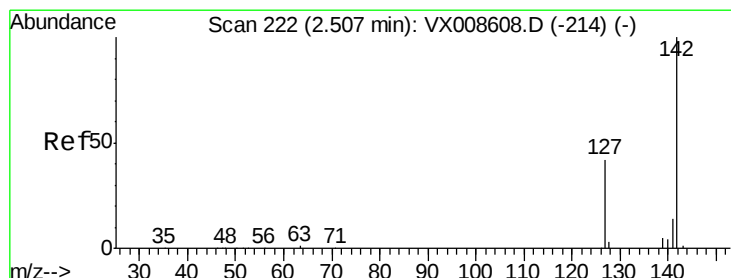
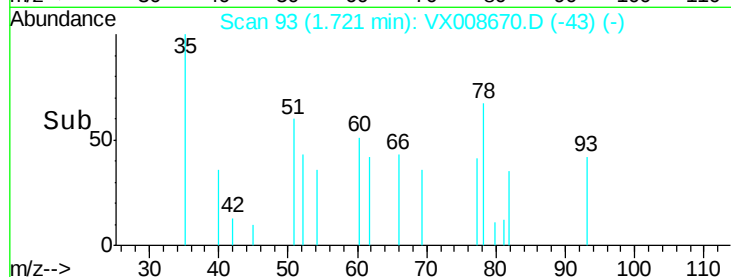
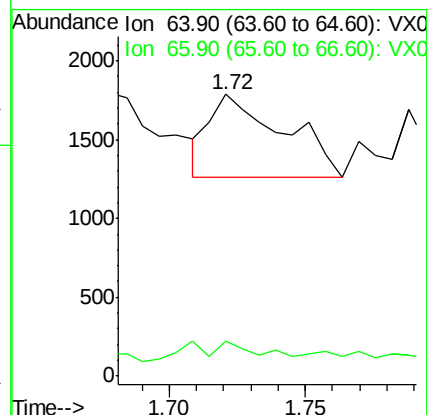
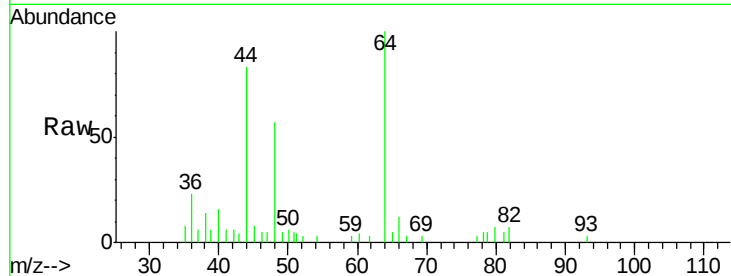
ST006MW148-190402

Tgt Ion: 64 Resp: 993

Ion Ratio Lower Upper

64 100

66 18.0 25.4 38.0#



#10

Methyl Iodide

Concen: 4.413 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

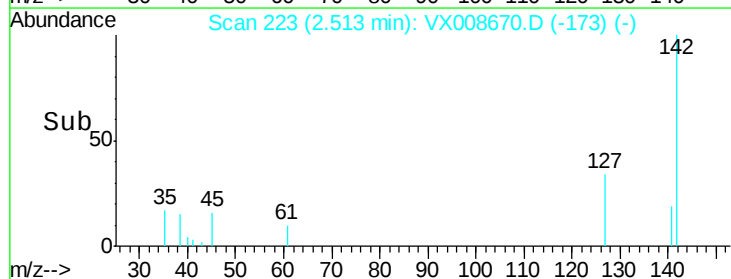
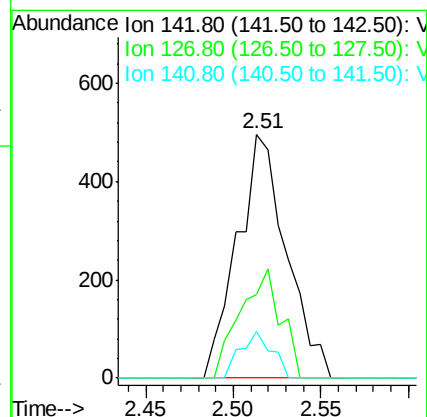
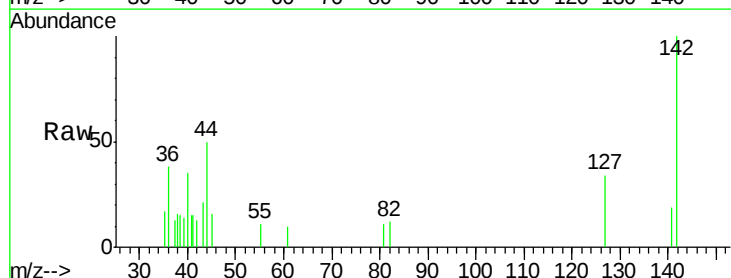
Tgt Ion: 142 Resp: 965

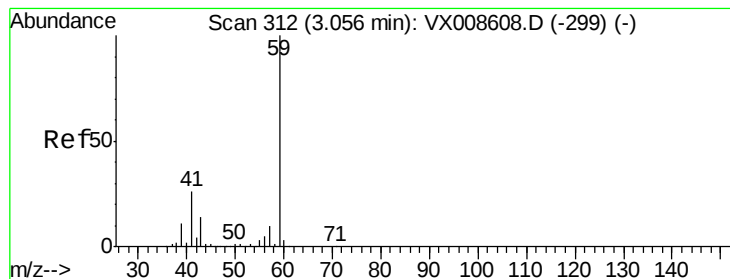
Ion Ratio Lower Upper

142 100

127 36.9 33.0 49.6

141 12.1 11.4 17.2





#11

Tert butyl alcohol

Concen: 3.443 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

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ClientSampleId :

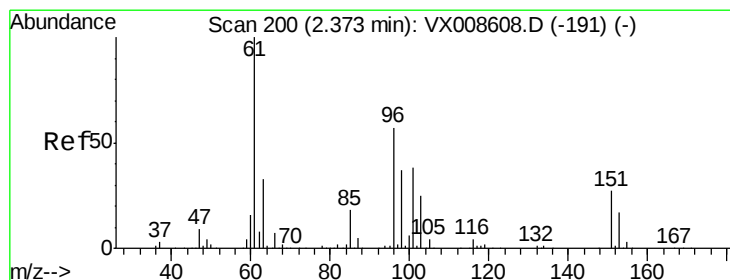
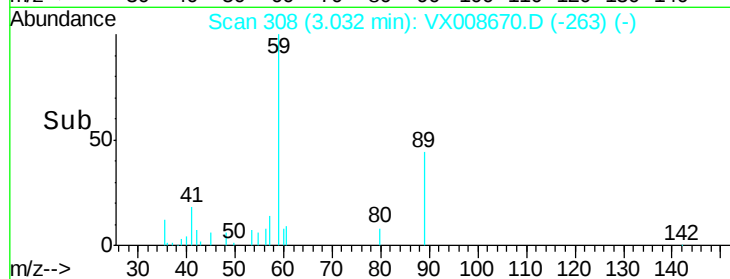
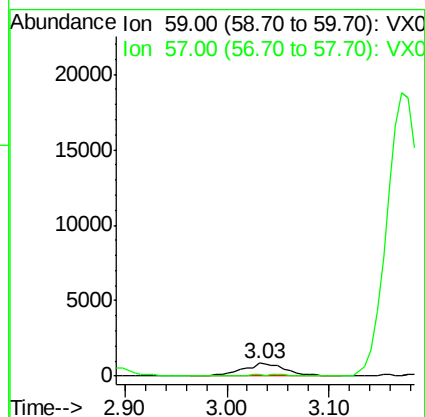
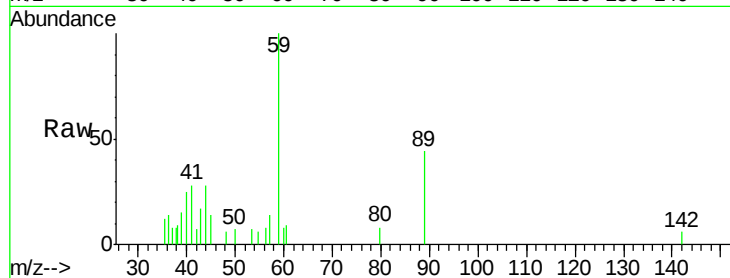
ST006MW148-190402

Tgt Ion: 59 Resp: 2526

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.336 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

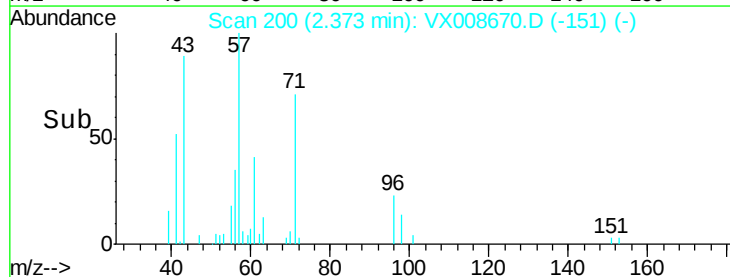
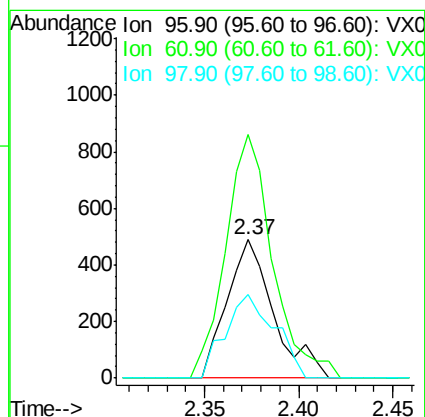
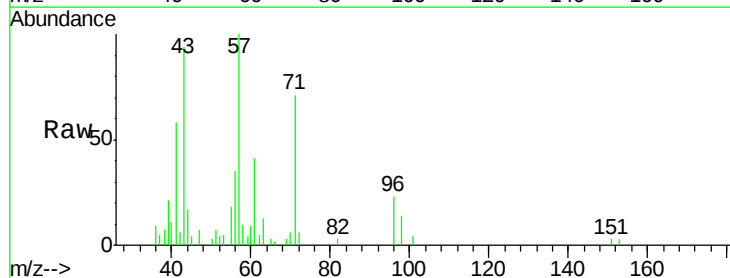
Tgt Ion: 96 Resp: 835

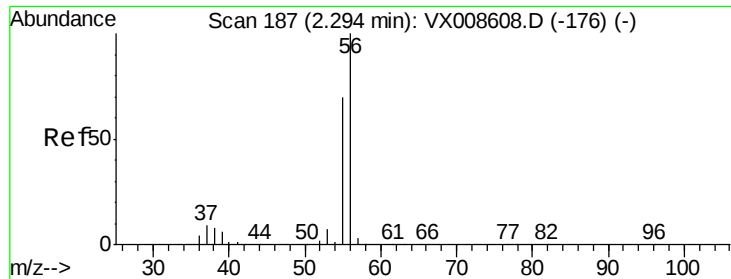
Ion Ratio Lower Upper

96 100

61 176.4 140.9 211.3

98 60.2 52.1 78.1





#13

Acrolein

Concen: 0.517 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

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ClientSampleId :

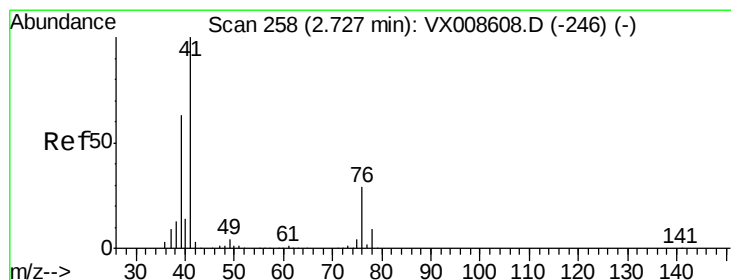
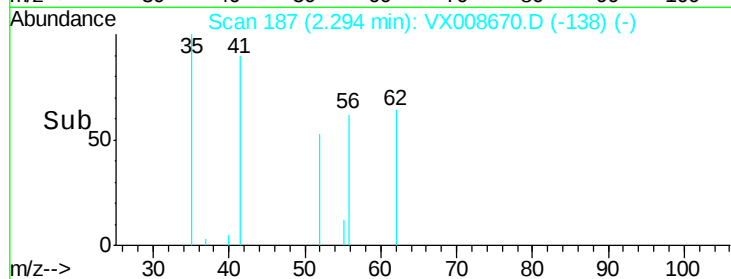
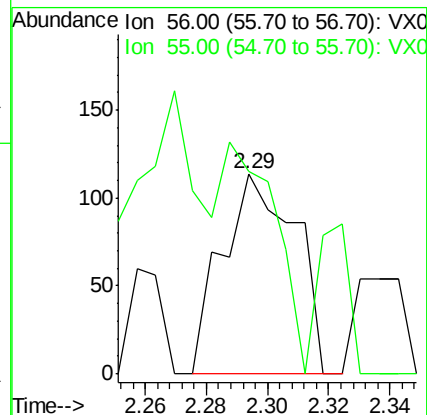
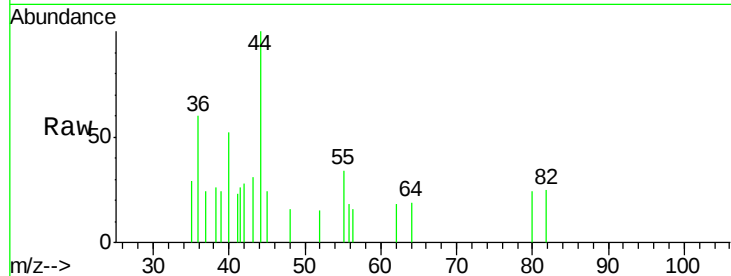
ST006MW148-190402

Tgt Ion: 56 Resp: 188

Ion Ratio Lower Upper

56 100

55 83.0 58.0 87.0



#14

Allyl chloride

Concen: 12.525 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

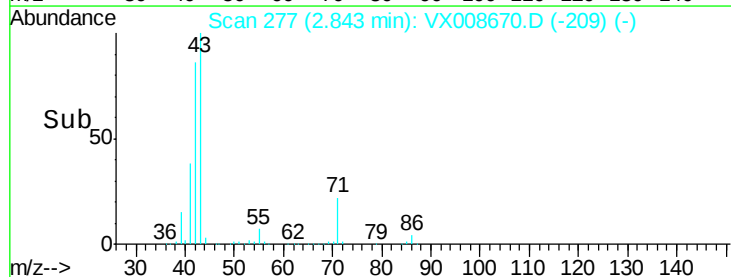
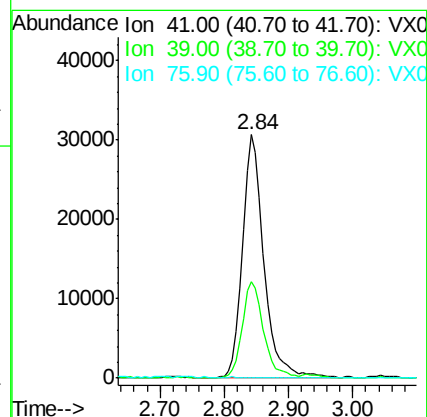
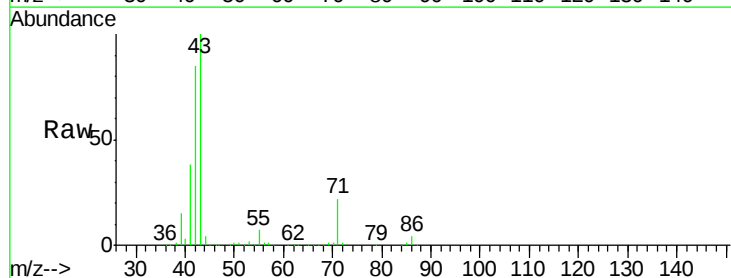
Tgt Ion: 41 Resp: 71223

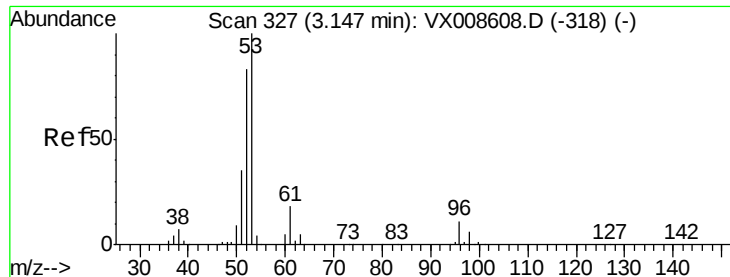
Ion Ratio Lower Upper

41 100

39 39.0 48.0 72.0#

76 0.2 22.0 33.0#





#15

Acrylonitrile

Concen: 1.307 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

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ClientSampleId :

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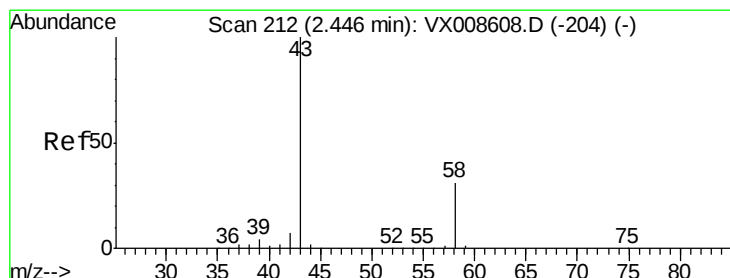
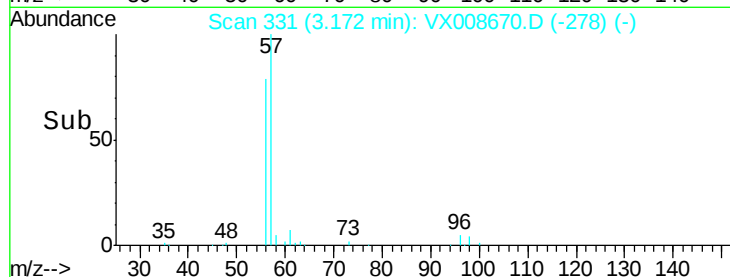
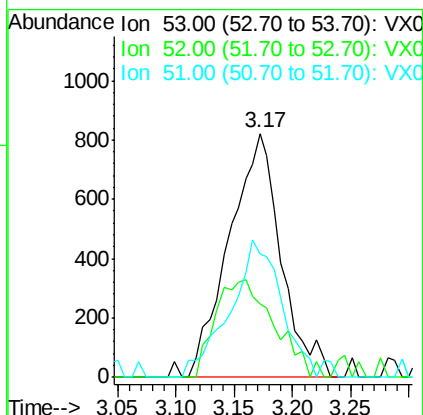
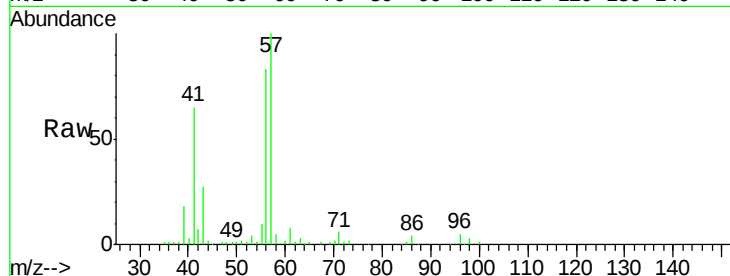
Tgt Ion: 53 Resp: 2541

Ion Ratio Lower Upper

53 100

52 45.3 66.5 99.7#

51 55.8 28.6 42.8#



#16

Acetone

Concen: 1.199 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008670.D

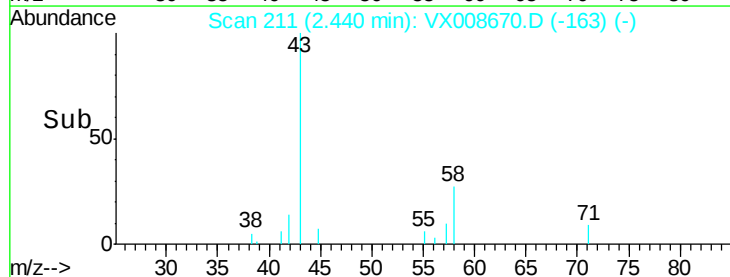
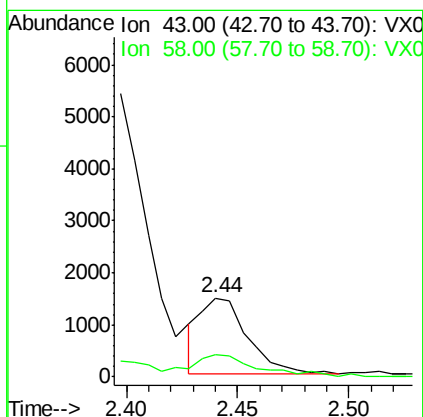
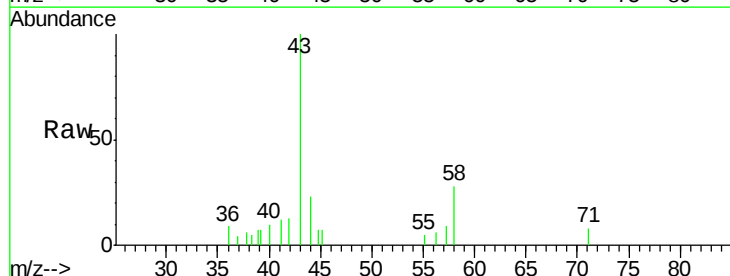
Acq: 05 Apr 2019 05:19

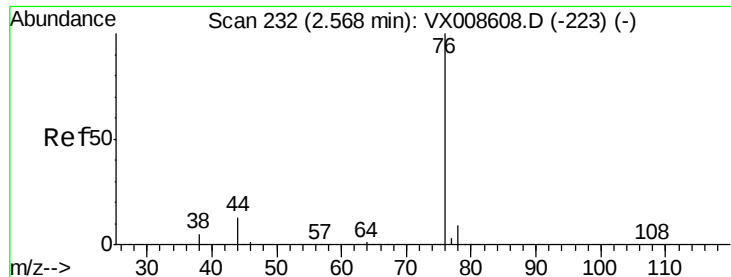
Tgt Ion: 43 Resp: 2164

Ion Ratio Lower Upper

43 100

58 29.4 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

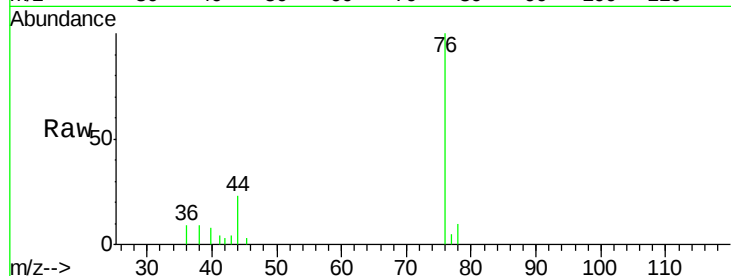
ST006MW148-190402

Tgt Ion: 76 Resp: 3447

Ion Ratio Lower Upper

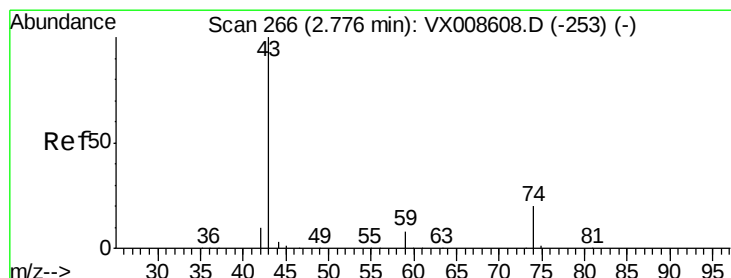
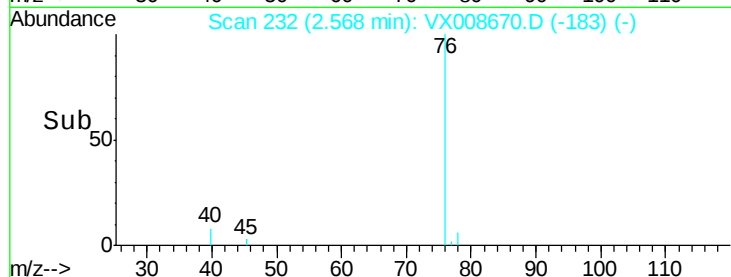
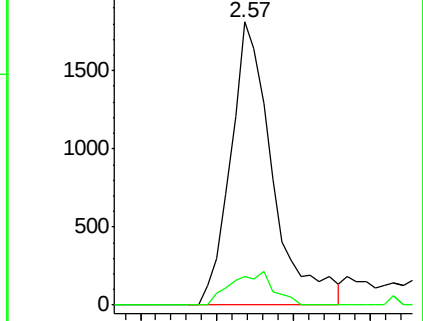
76 100

78 10.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 42.126 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX008670.D

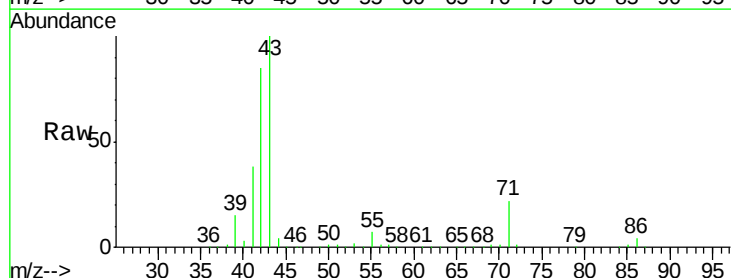
Acq: 05 Apr 2019 05:19

Tgt Ion: 43 Resp: 184422

Ion Ratio Lower Upper

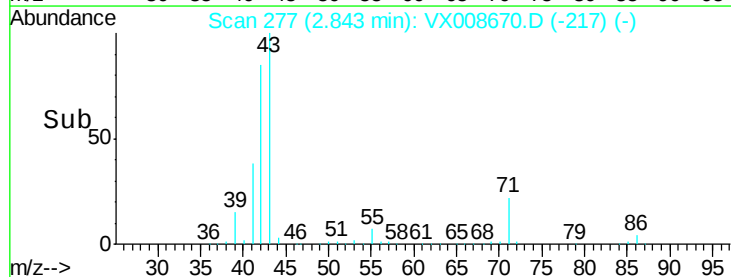
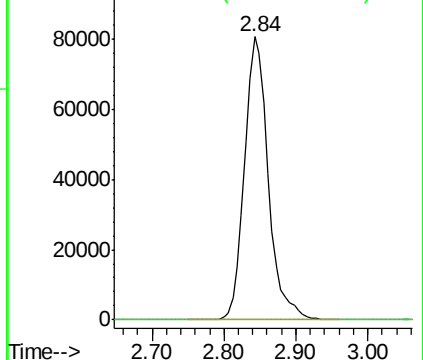
43 100

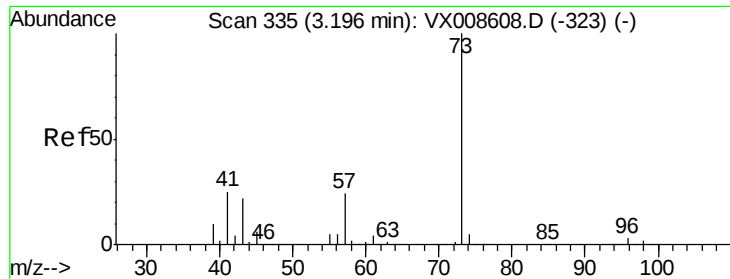
74 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

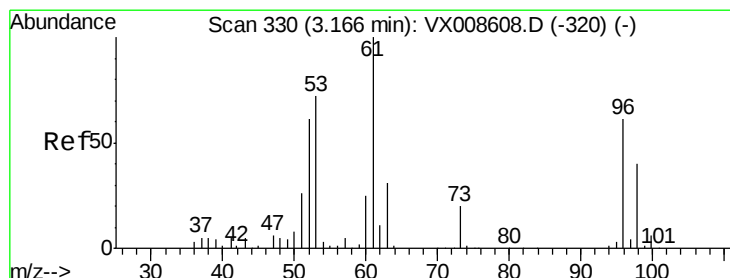
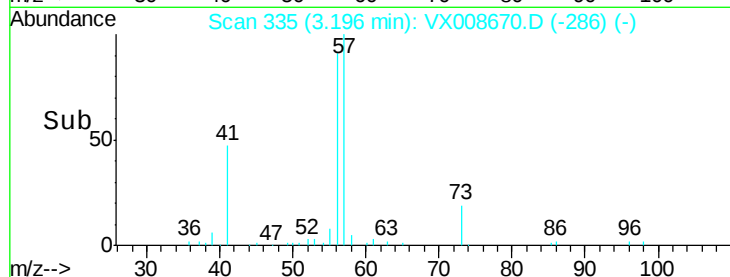
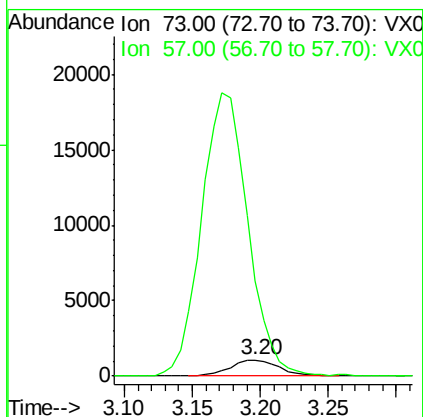
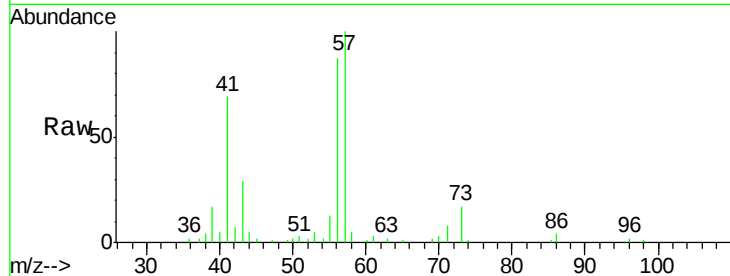




#19
Methyl tert-butyl Ether
Concen: 0.305 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008670.D
Acq: 05 Apr 2019 05:19

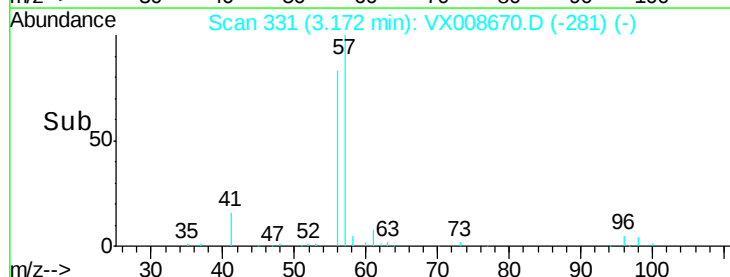
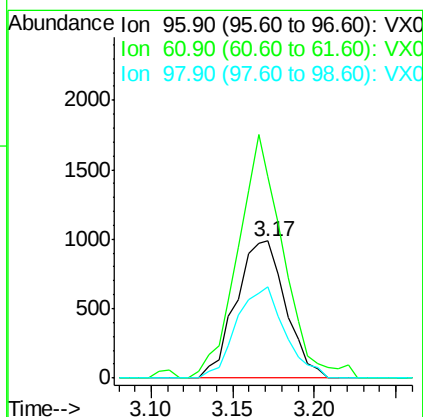
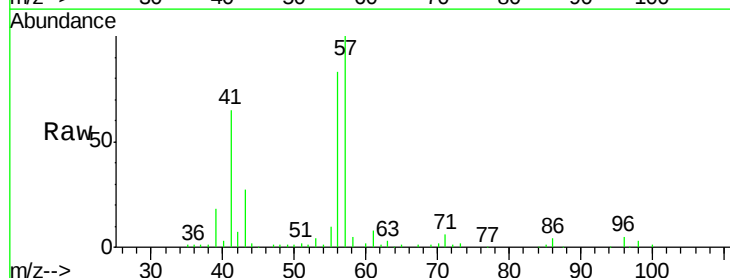
Instrument :
MSVOA_X
ClientSampleId :
ST006MW148-190402

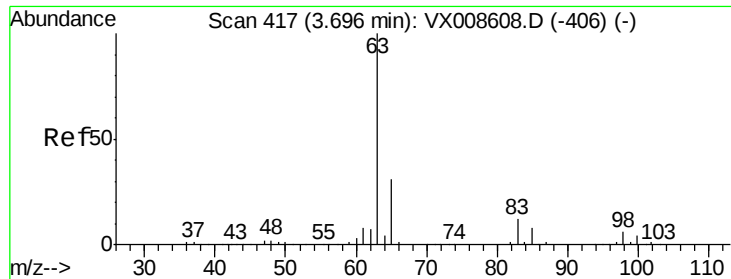
Tgt Ion: 73 Resp: 2707
Ion Ratio Lower Upper
73 100
57 569.8 19.5 29.3#



#21
trans-1,2-Dichloroethene
Concen: 0.776 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX008670.D
Acq: 05 Apr 2019 05:19

Tgt Ion: 96 Resp: 2085
Ion Ratio Lower Upper
96 100
61 146.6 132.1 198.1
98 66.2 52.2 78.2

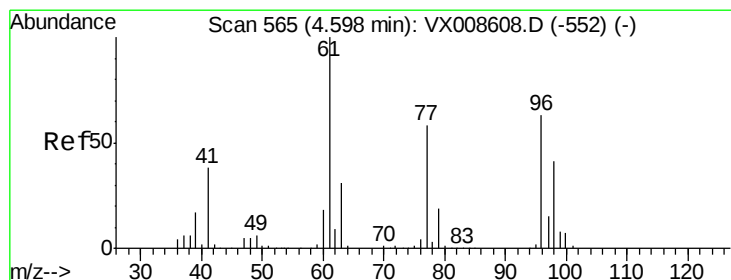
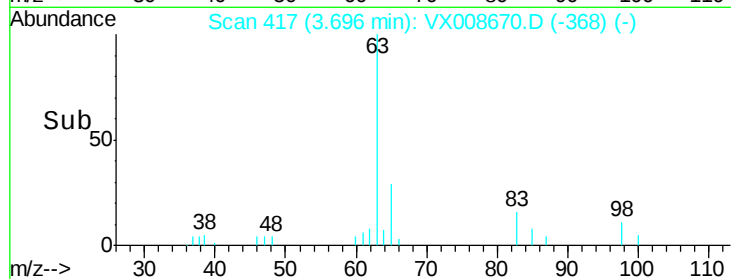
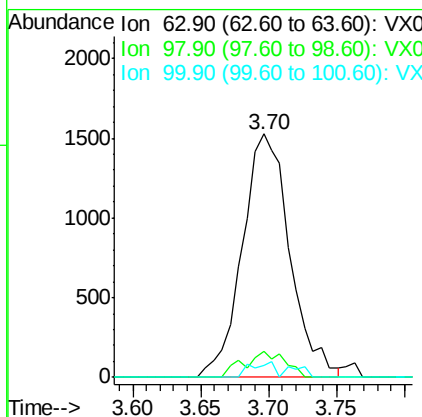
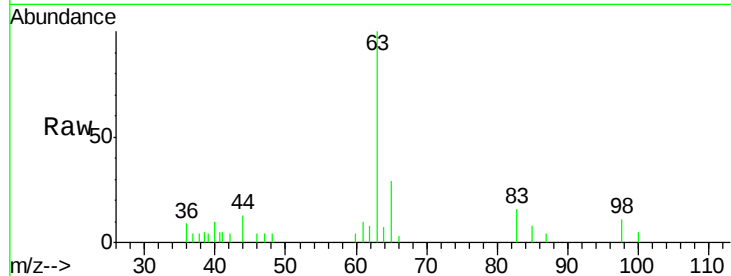




#24
 1,1-Dichloroethane
 Concen: 0.689 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX008670.D
 Acq: 05 Apr 2019 05:19

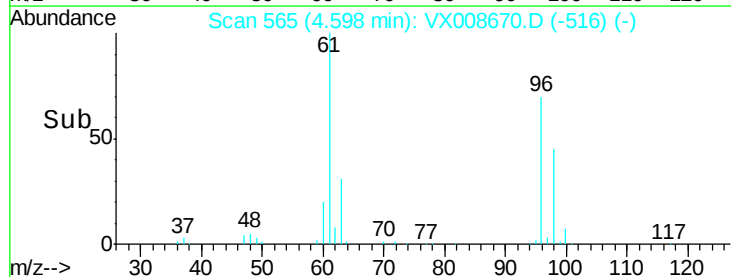
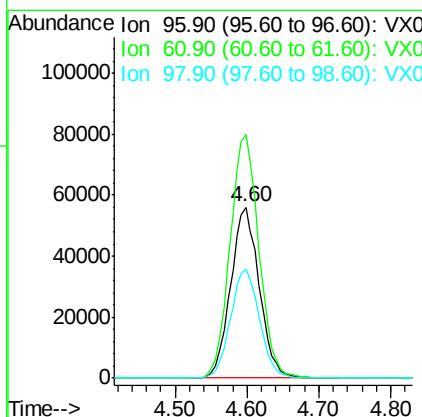
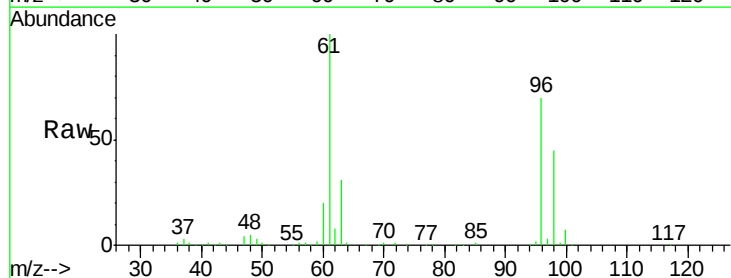
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW148-190402

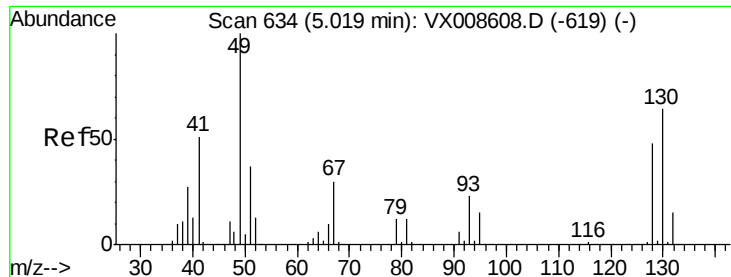
Tgt Ion: 63 Resp: 3738
 Ion Ratio Lower Upper
 63 100
 98 10.7 2.8 8.4#
 100 4.9 1.8 5.5



#27
 cis-1,2-Dichloroethene
 Concen: 49.888 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008670.D
 Acq: 05 Apr 2019 05:19

Tgt Ion: 96 Resp: 154114
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 327.6
 98 64.4 0.0 128.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

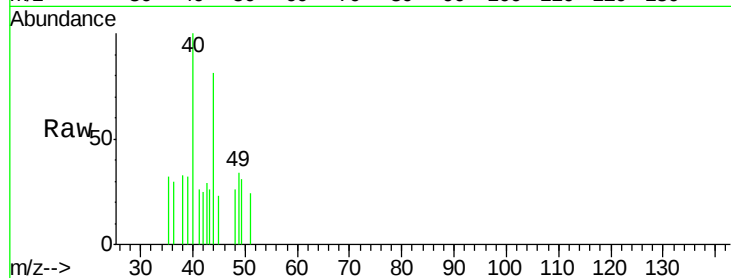
Tgt Ion: 49 Resp: 238

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

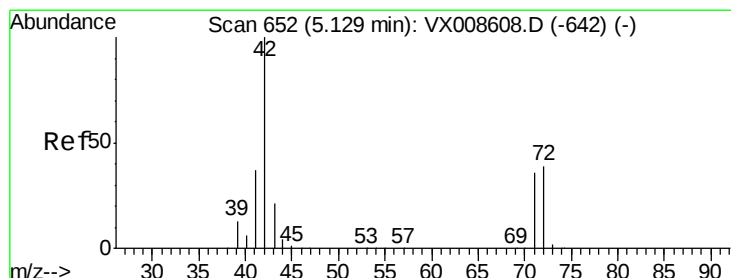
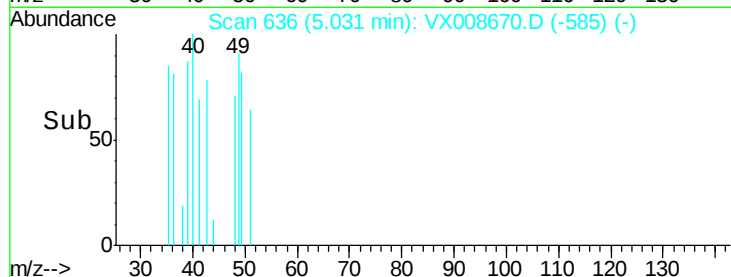
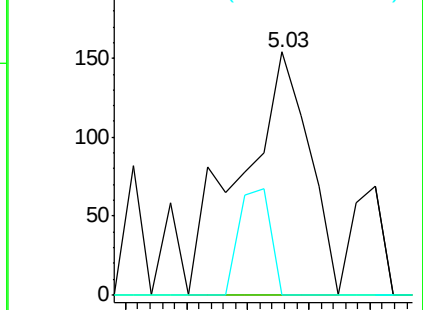
130 20.2 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.377 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

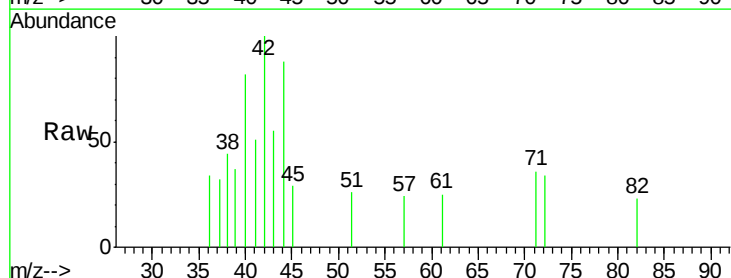
Tgt Ion: 42 Resp: 714

Ion Ratio Lower Upper

42 100

72 23.7 30.5 45.7#

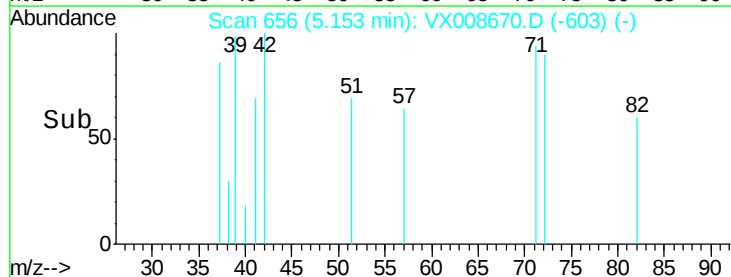
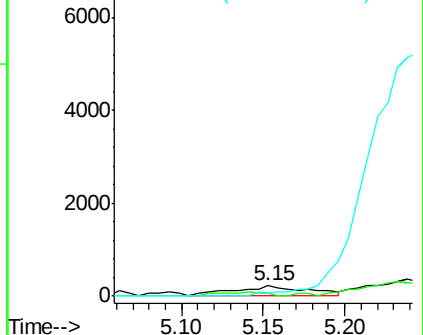
71 0.0 28.6 43.0#

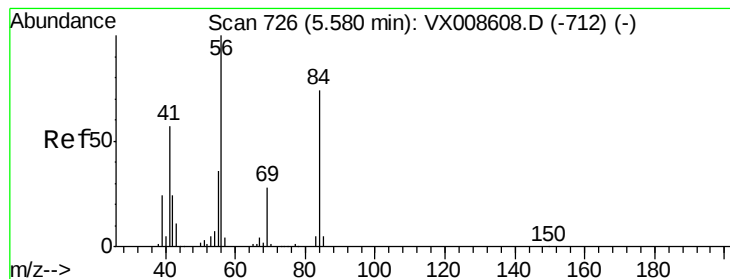


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 3.527 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

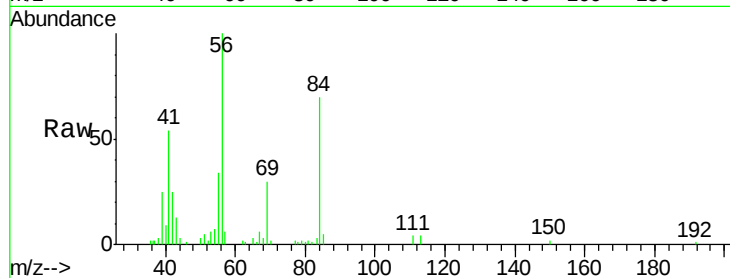
Tgt Ion: 56 Resp: 19097

Ion Ratio Lower Upper

56 100

69 30.4 22.6 33.8

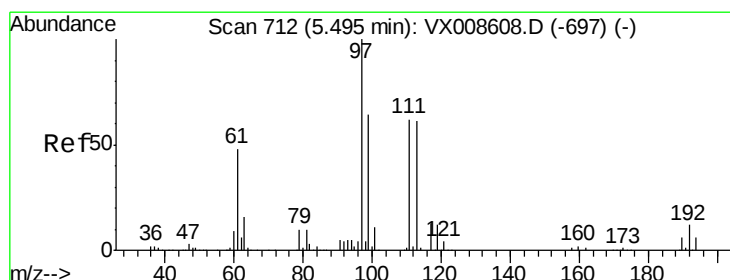
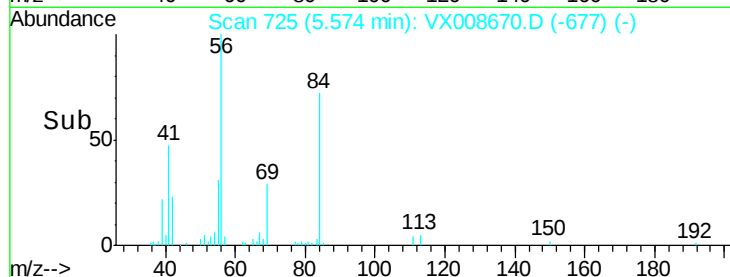
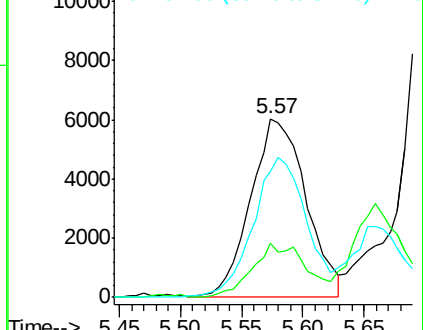
84 69.4 59.3 88.9



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



#32

1,1,1-Trichloroethane

Concen: 0.773 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

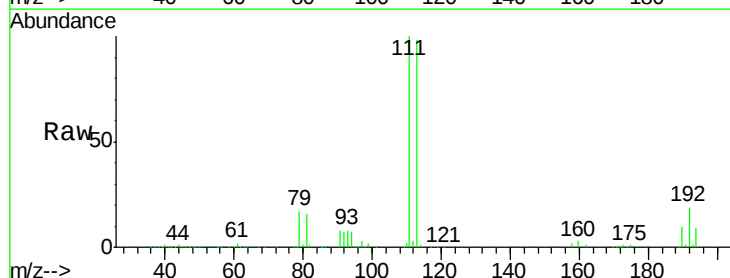
Tgt Ion: 97 Resp: 3029

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

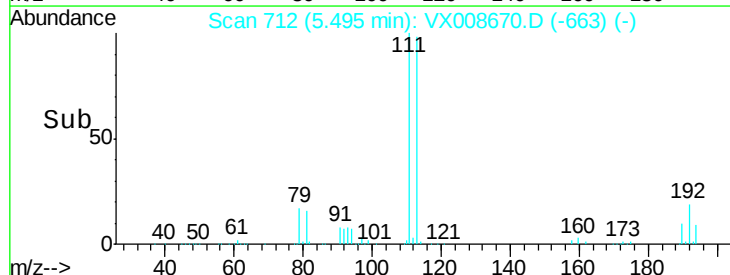
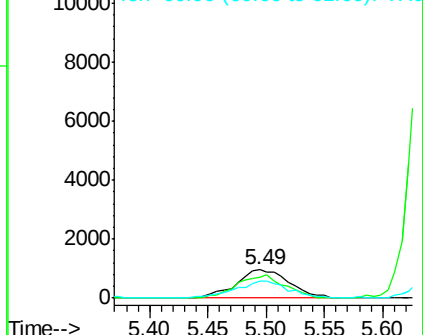
61 61.0 38.9 58.3#

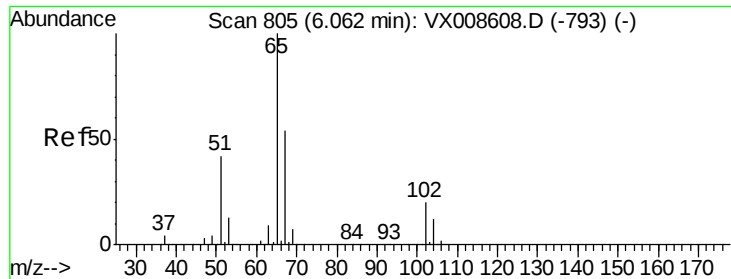


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.245 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

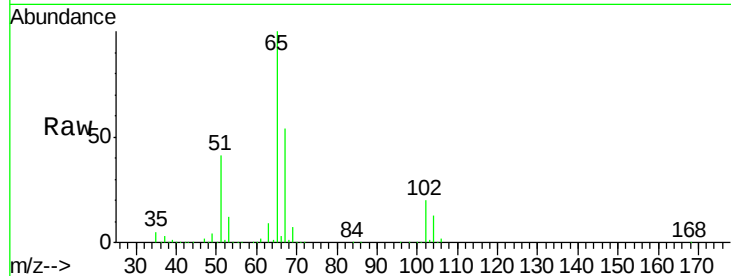
ST006MW148-190402

Tgt Ion: 65 Resp: 144932

Ion Ratio Lower Upper

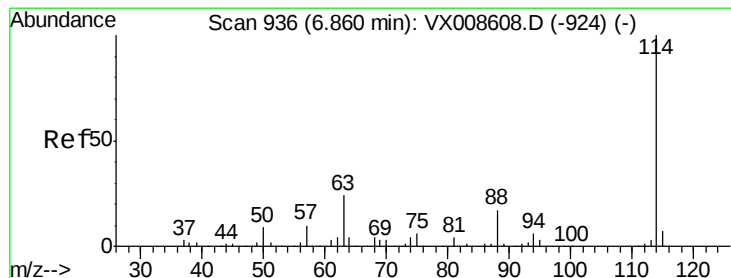
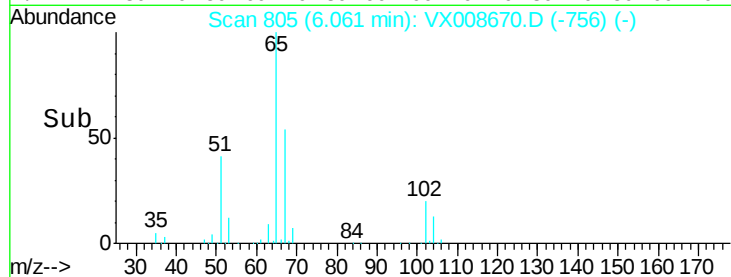
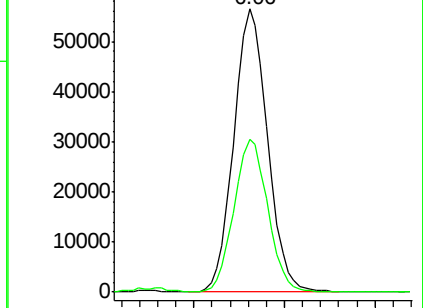
65 100

67 54.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

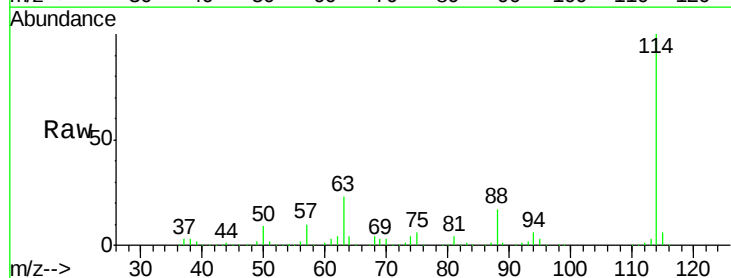
Tgt Ion: 114 Resp: 355400

Ion Ratio Lower Upper

114 100

63 23.3 0.0 47.2

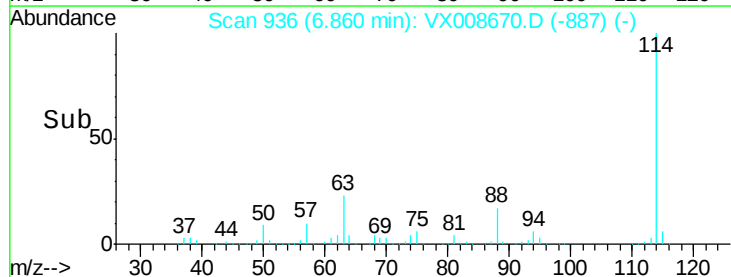
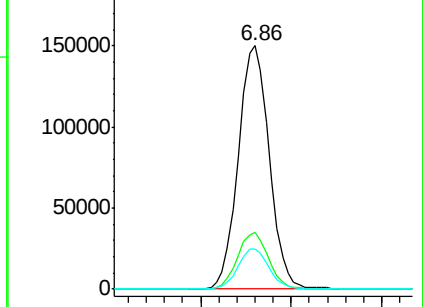
88 16.7 0.0 34.0

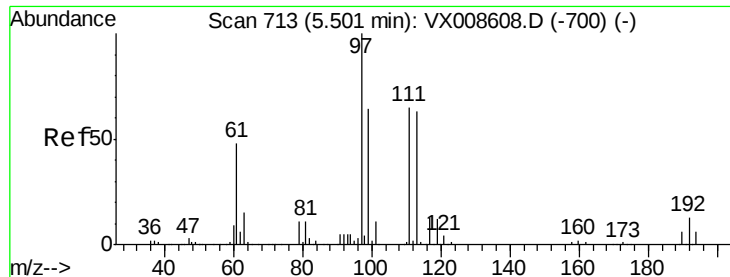


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.818 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

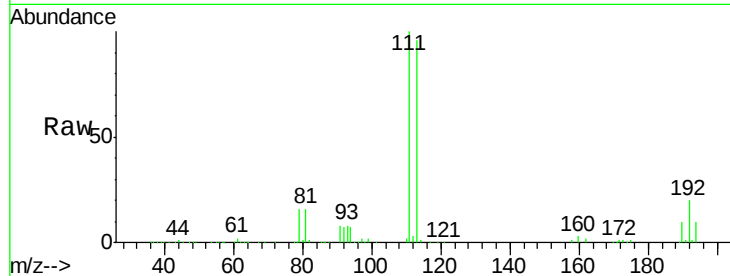
Tgt Ion:113 Resp: 108657

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

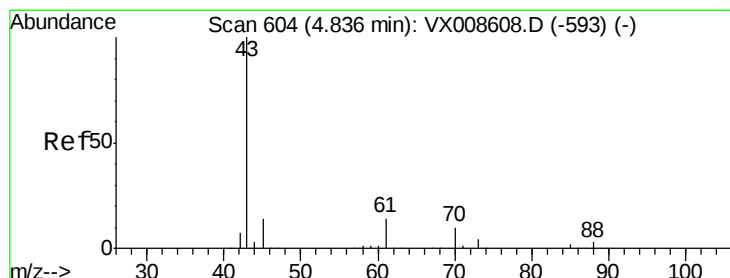
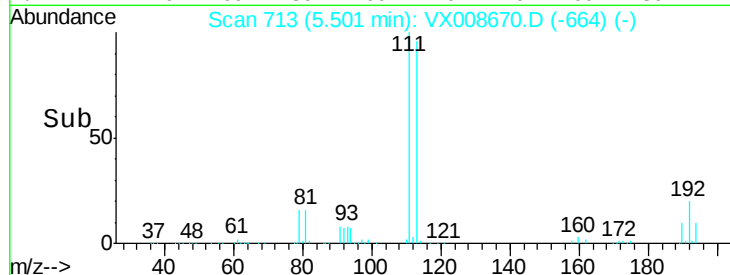
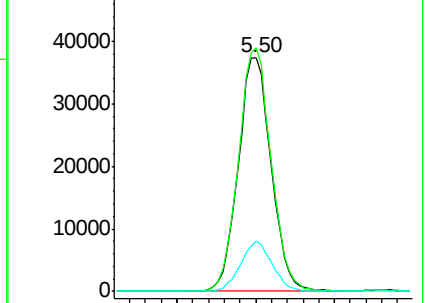
192 20.6 16.1 24.1



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



#37

Ethyl Acetate

Concen: 0.281 ug/l

RT: 4.81 min Scan# 599

Delta R.T. -0.03 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

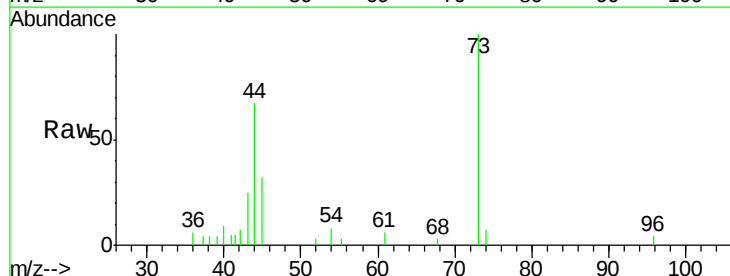
Tgt Ion: 43 Resp: 1457

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

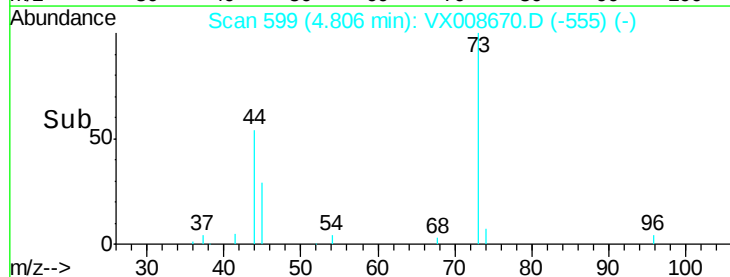
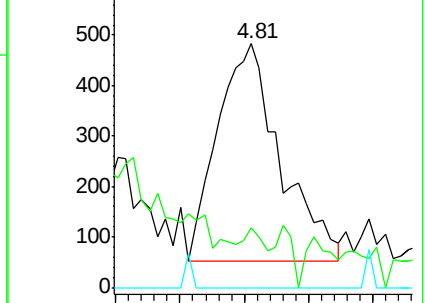
70 0.0 7.6 11.4#

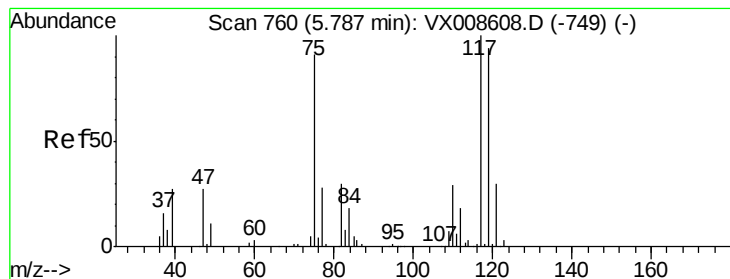


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.480 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

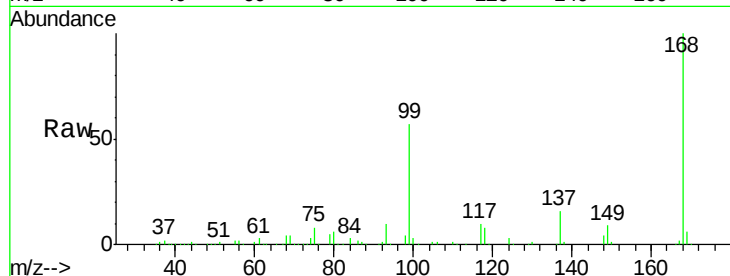
Tgt Ion: 117 Resp: 20835

Ion Ratio Lower Upper

117 100

119 4.2 75.0 112.6#

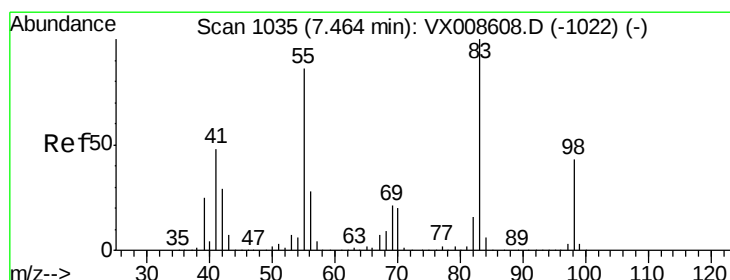
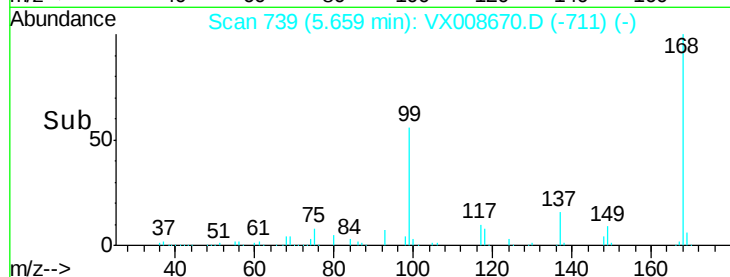
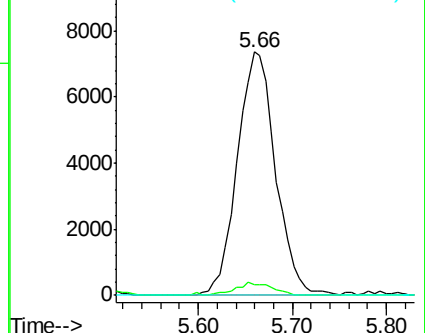
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 9.735 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

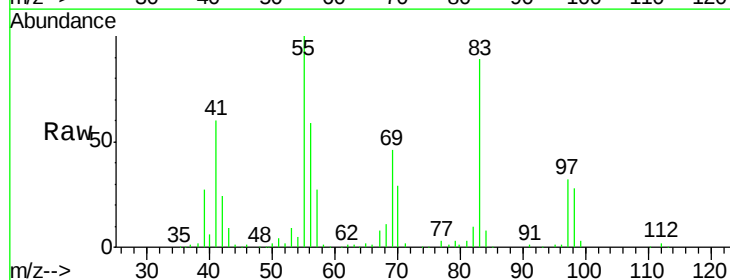
Tgt Ion: 83 Resp: 46719

Ion Ratio Lower Upper

83 100

55 112.7 69.0 103.6#

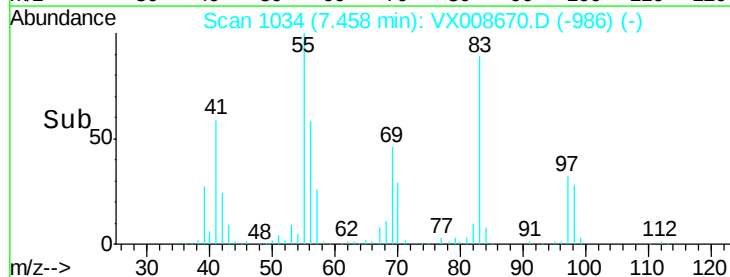
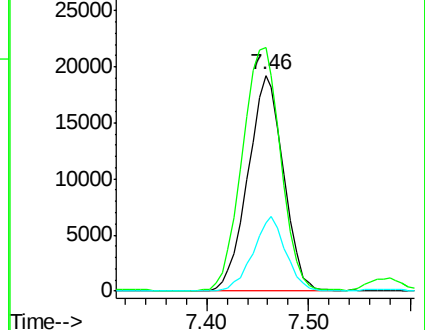
98 31.9 34.4 51.6#

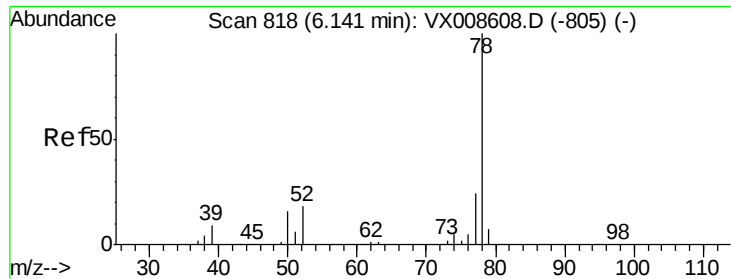


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.911 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

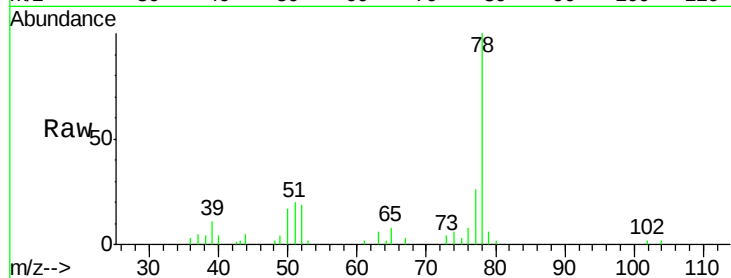
ST006MW148-190402

Tgt Ion: 78 Resp: 10540

Ion Ratio Lower Upper

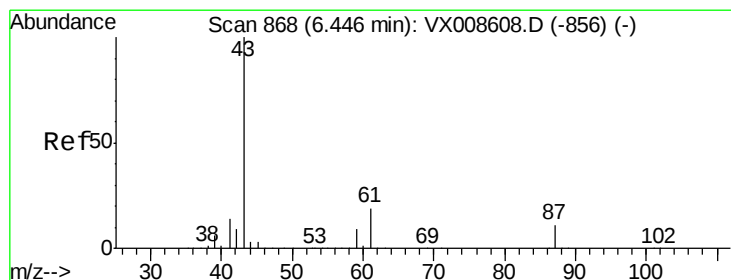
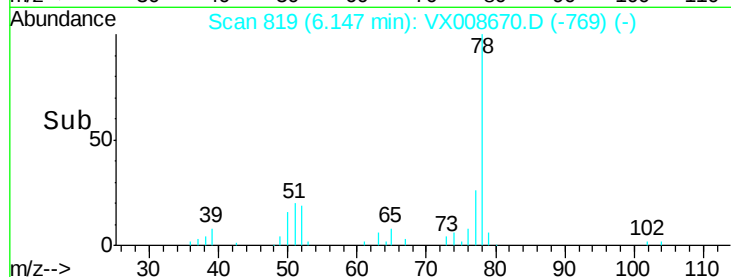
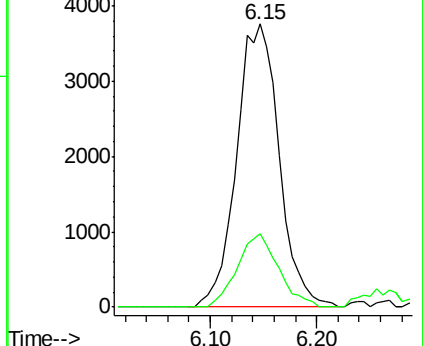
78 100

77 25.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#43

Isopropyl Acetate

Concen: 8.414 ug/l

RT: 6.35 min Scan# 852

Delta R.T. -0.10 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

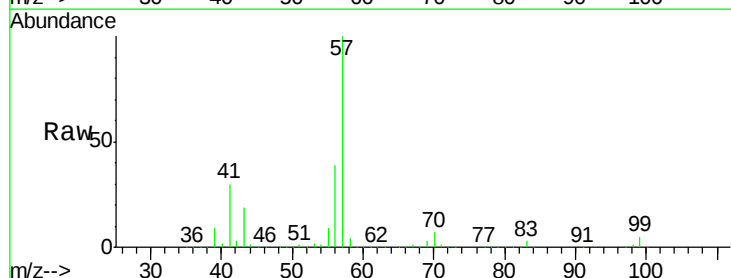
Tgt Ion: 43 Resp: 68345

Ion Ratio Lower Upper

43 100

61 0.0 15.3 22.9#

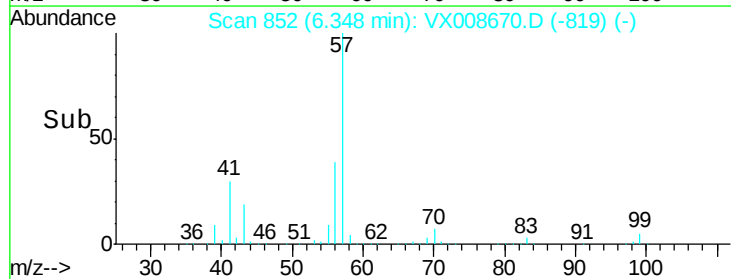
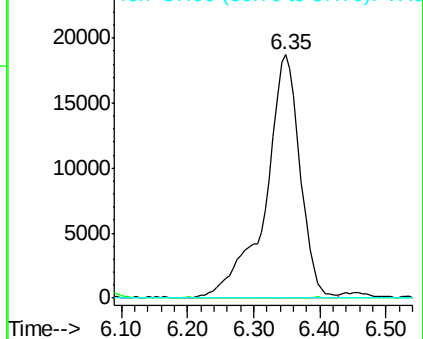
87 0.0 9.0 13.6#

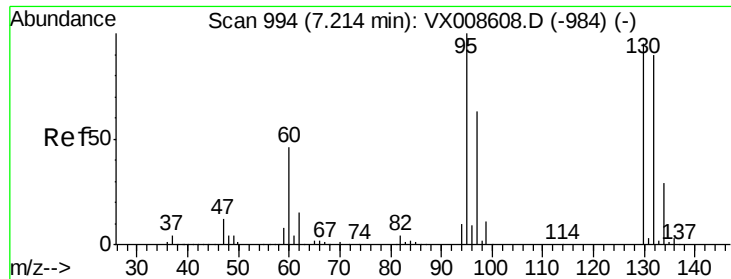


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

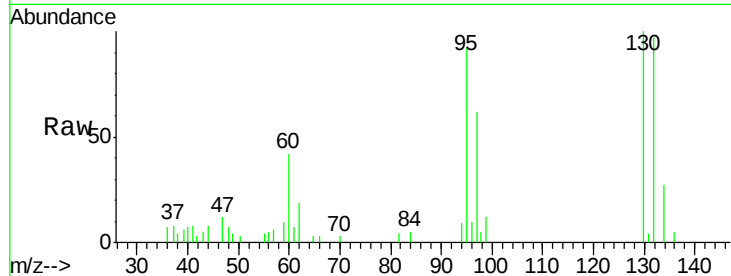




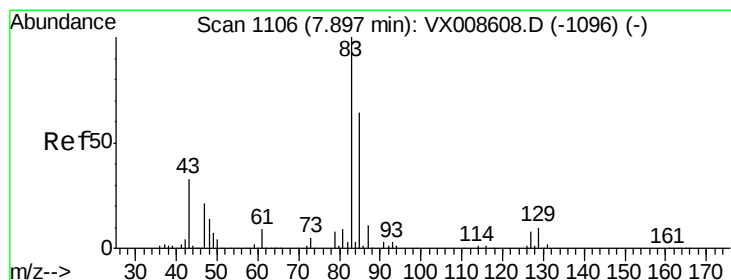
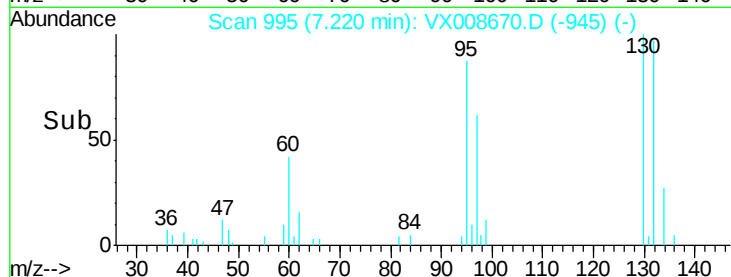
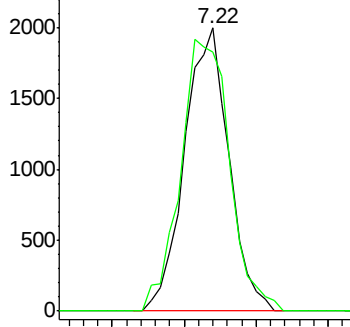
#44
 Trichloroethene
 Concen: 1.572 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX008670.D
 Acq: 05 Apr 2019 05:19

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW148-190402

Tgt Ion:130 Resp: 4238
 Ion Ratio Lower Upper
 130 100
 95 91.7 0.0 209.8

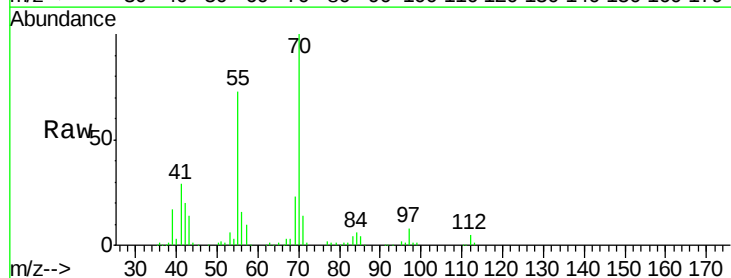


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

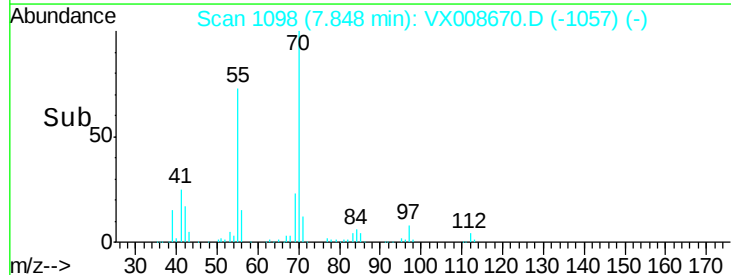
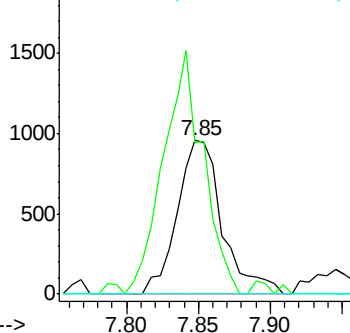


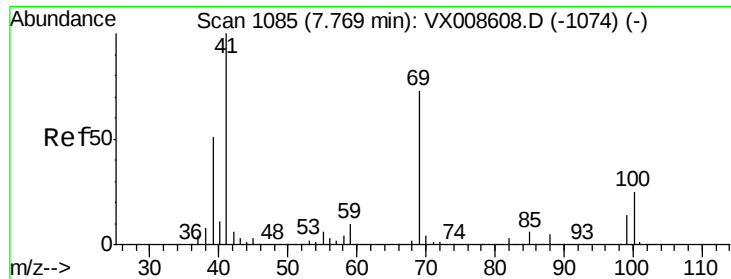
#47
 Bromodichloromethane
 Concen: 0.576 ug/l
 RT: 7.85 min Scan# 1098
 Delta R.T. -0.05 min
 Lab File: VX008670.D
 Acq: 05 Apr 2019 05:19

Tgt Ion: 83 Resp: 2080
 Ion Ratio Lower Upper
 83 100
 85 92.4 51.2 76.8#
 127 0.0 6.6 10.0#



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: 0.350 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.03 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

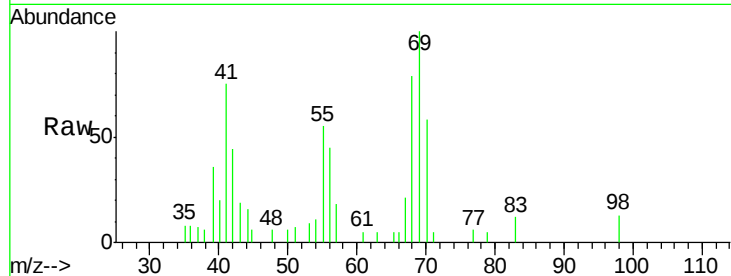
Tgt Ion: 41 Resp: 1439

Ion Ratio Lower Upper

41 100

69 143.8 59.0 88.4#

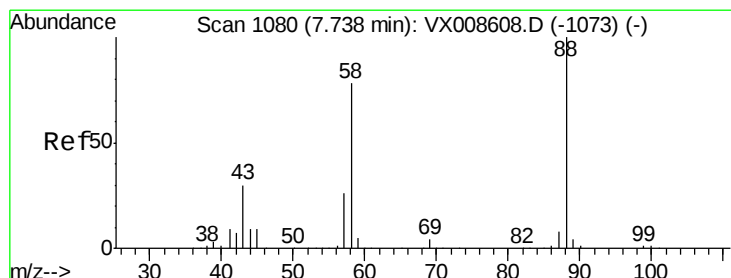
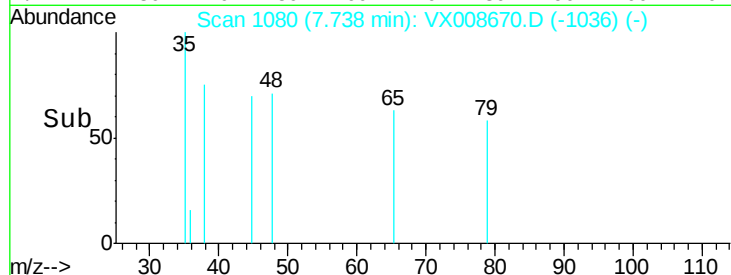
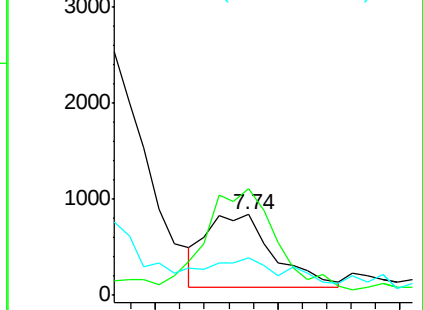
39 42.8 41.0 61.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 0.650 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

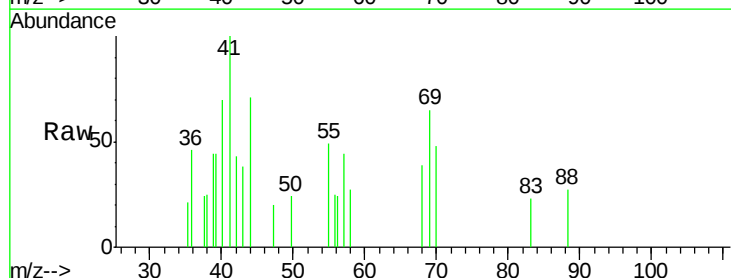
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

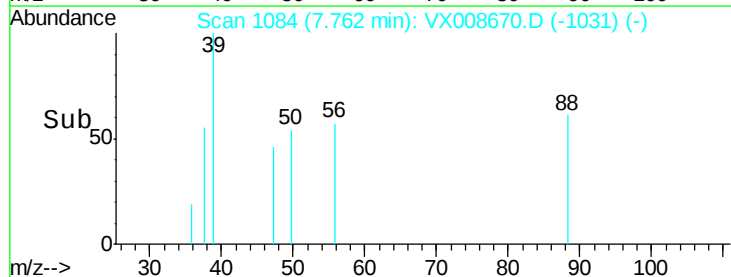
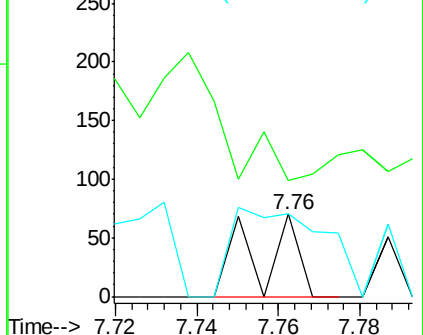
58 236.0 62.2 93.2#

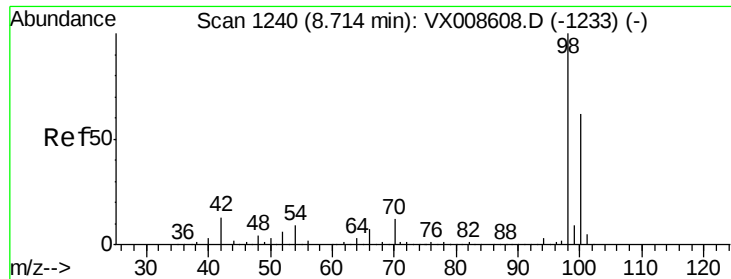


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.428 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

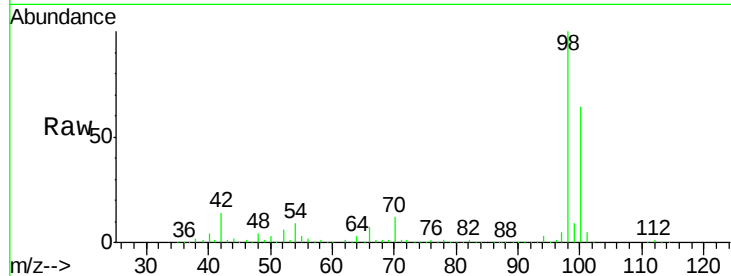
ST006MW148-190402

Tgt Ion: 98 Resp: 447207

Ion Ratio Lower Upper

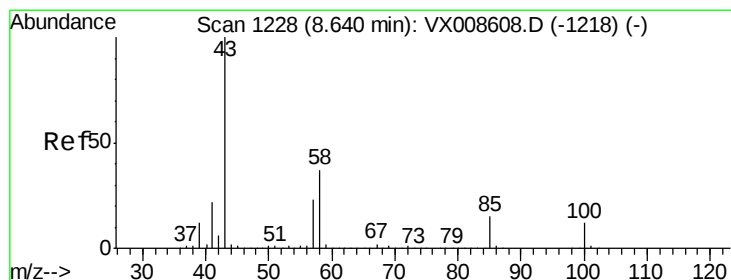
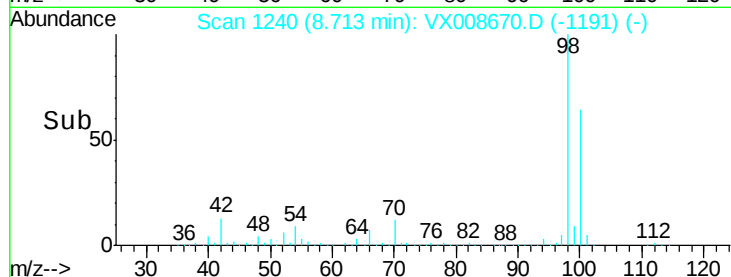
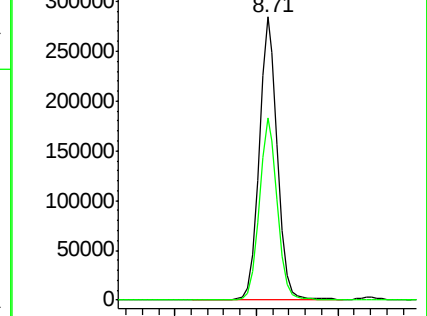
98 100

100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.258 ug/l

RT: 8.40 min Scan# 1188

Delta R.T. -0.24 min

Lab File: VX008670.D

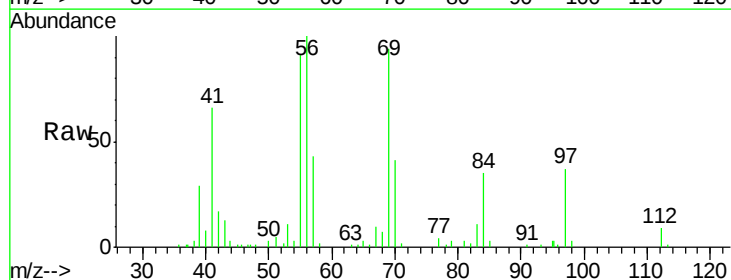
Acq: 05 Apr 2019 05:19

Tgt Ion: 43 Resp: 1350

Ion Ratio Lower Upper

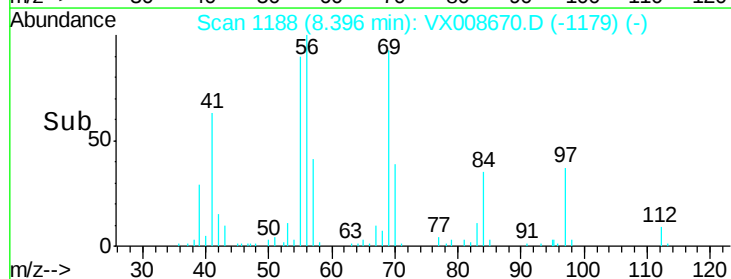
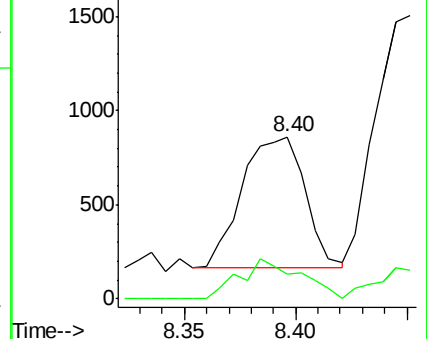
43 100

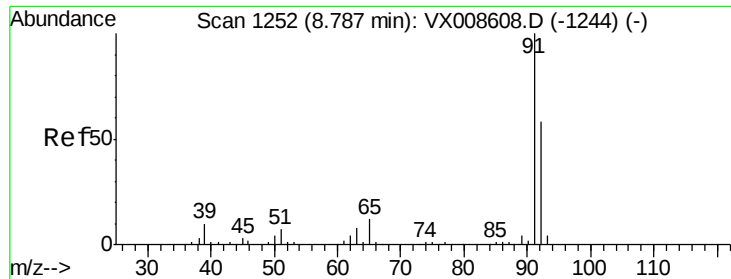
58 30.0 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 0.223 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

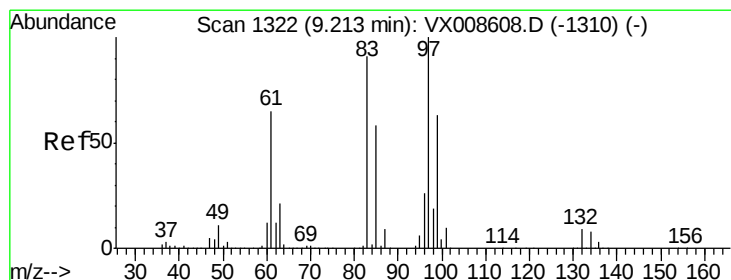
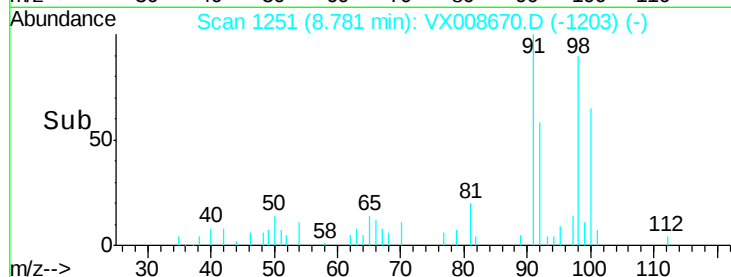
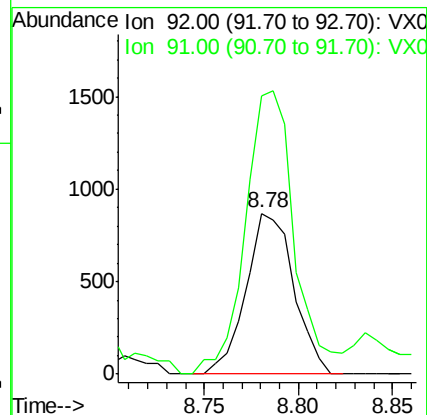
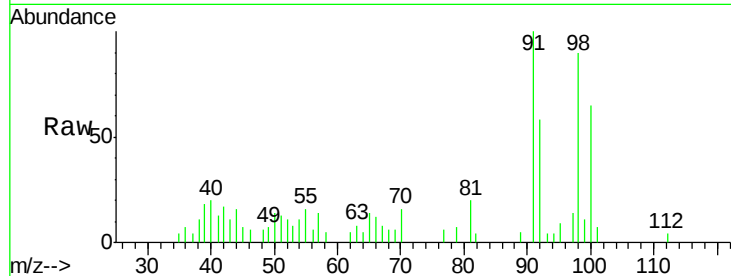
ST006MW148-190402

Tgt Ion: 92 Resp: 1522

Ion Ratio Lower Upper

92 100

91 181.4 138.5 207.7



#55

1,1,2-Trichloroethane

Concen: 10.647 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Tgt Ion: 97 Resp: 29160

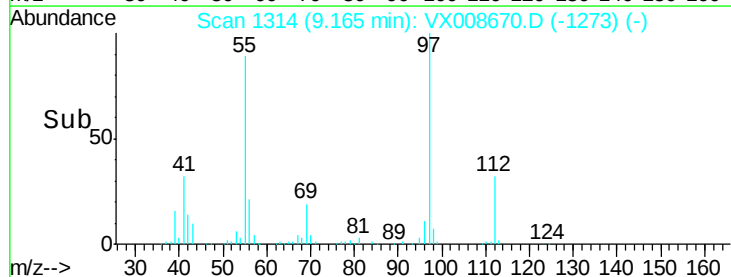
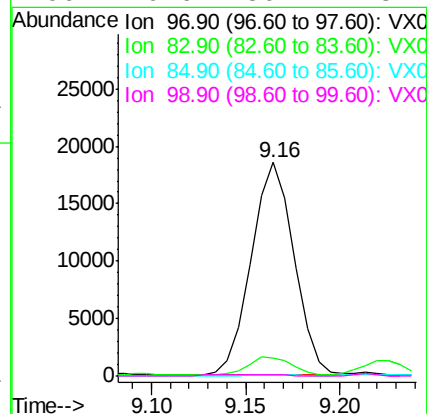
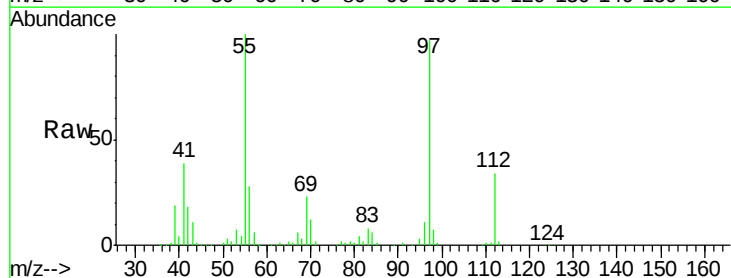
Ion Ratio Lower Upper

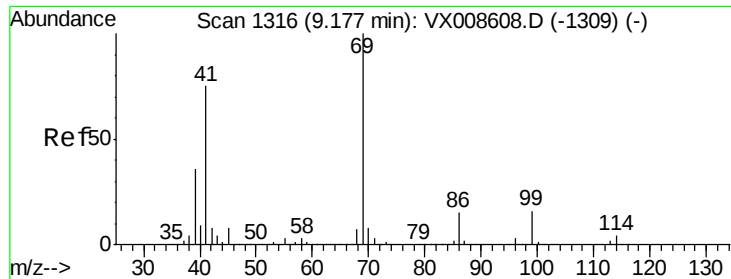
97 100

83 8.3 73.2 109.8#

85 0.7 46.6 69.8#

99 0.6 50.1 75.1#





#56

Ethyl methacrylate

Concen: 1.426 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

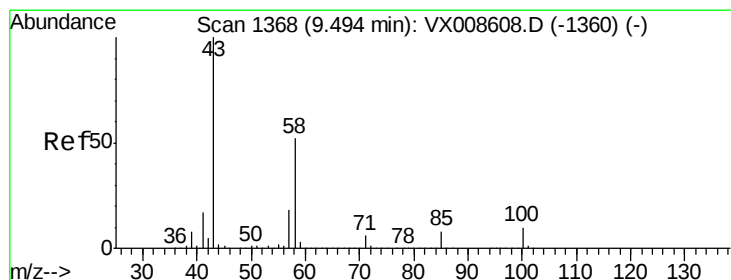
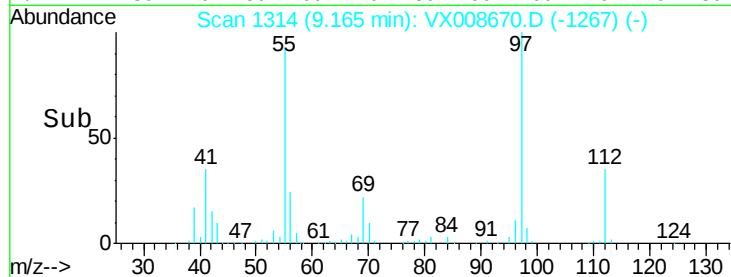
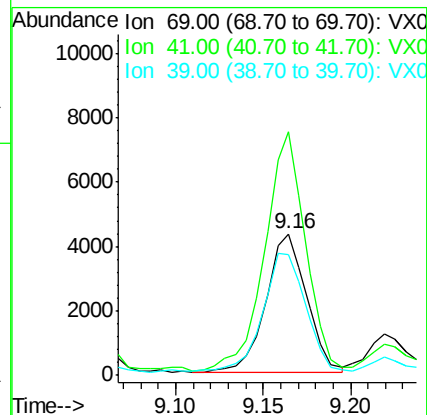
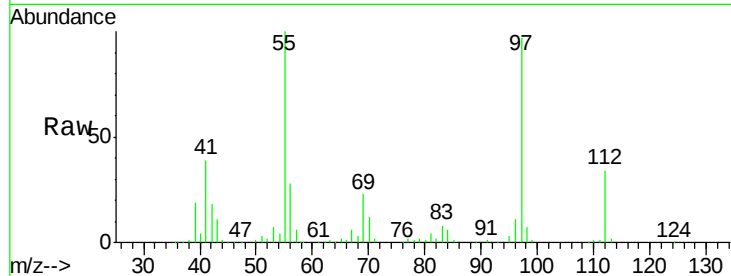
Tgt Ion: 69 Resp: 7067

Ion Ratio Lower Upper

69 100

41 170.0 60.1 90.1#

39 88.5 28.9 43.3#



#59

2-Hexanone

Concen: 1.117 ug/l

RT: 9.30 min Scan# 1337

Delta R.T. -0.19 min

Lab File: VX008670.D

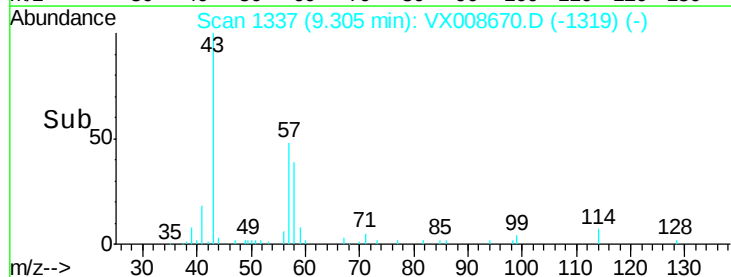
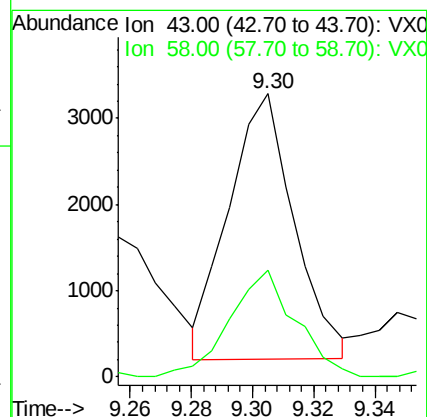
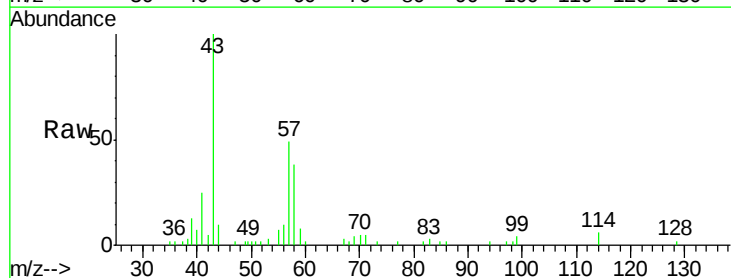
Acq: 05 Apr 2019 05:19

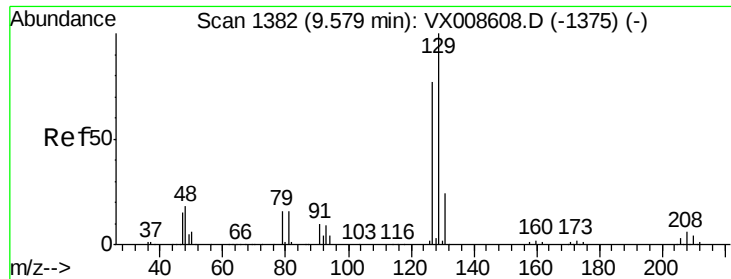
Tgt Ion: 43 Resp: 4540

Ion Ratio Lower Upper

43 100

58 40.7 25.9 77.7





#60

Dibromochloromethane

Concen: 1.801 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

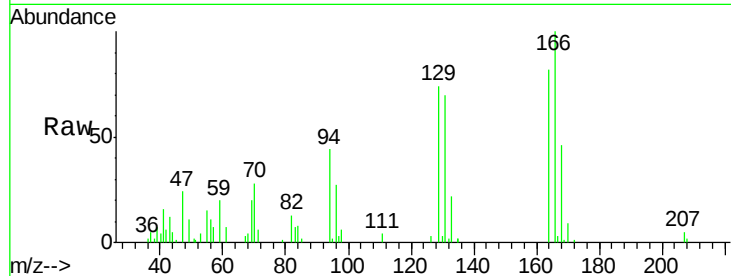
ST006MW148-190402

Tgt Ion:129 Resp: 4648

Ion Ratio Lower Upper

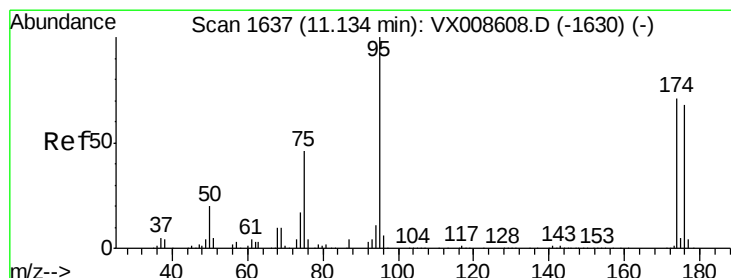
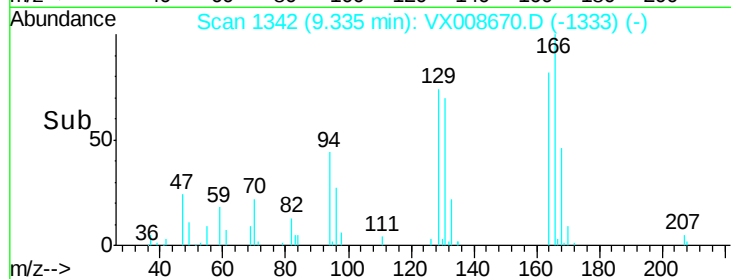
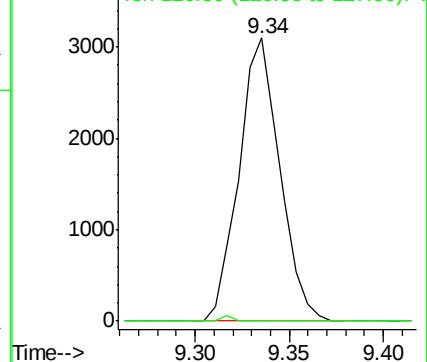
129 100

127 0.5 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.726 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

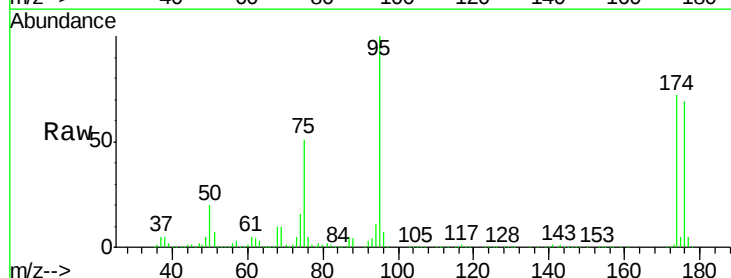
Tgt Ion: 95 Resp: 149918

Ion Ratio Lower Upper

95 100

174 77.1 0.0 151.8

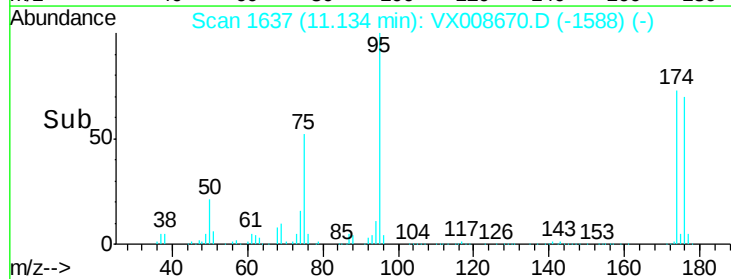
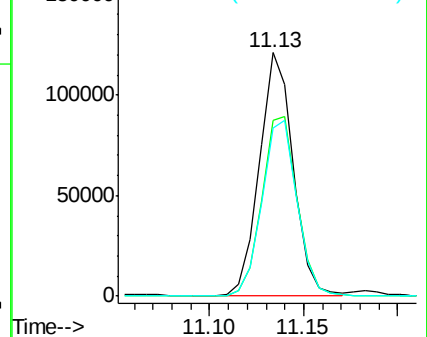
176 75.3 0.0 145.8

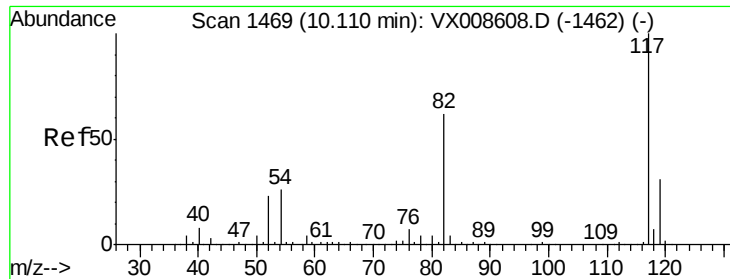


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

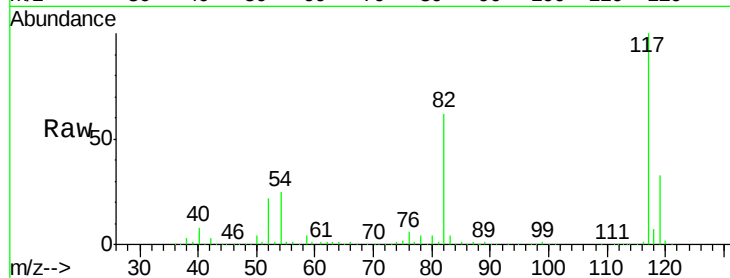
Tgt Ion:117 Resp: 308452

Ion Ratio Lower Upper

117 100

82 61.6 49.6 74.4

119 32.9 25.0 37.4

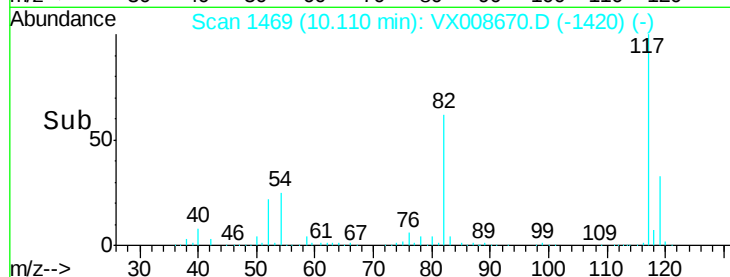


Abundance Ion 116.90 (116.60 to 117.60): V

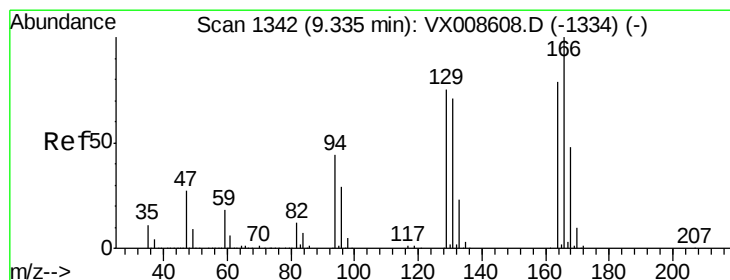
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 2.087 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Tgt Ion:164 Resp: 4769

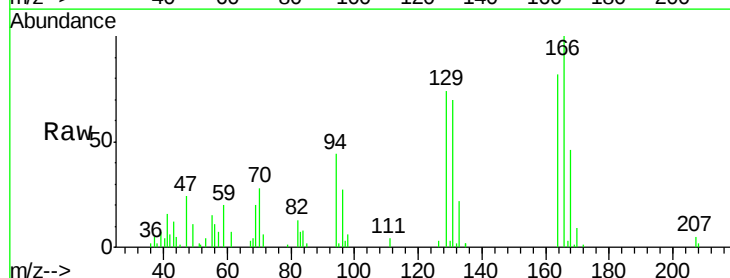
Ion Ratio Lower Upper

164 100

166 121.6 101.0 151.6

129 89.6 75.8 113.8

131 84.6 71.8 107.8



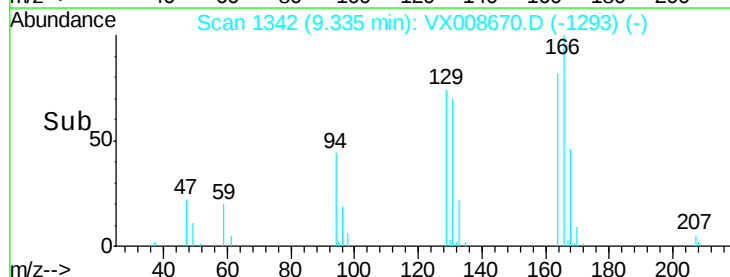
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

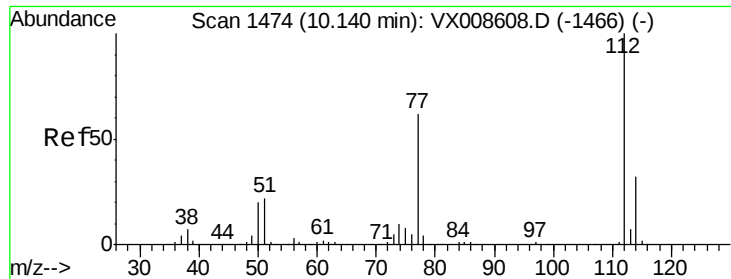
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



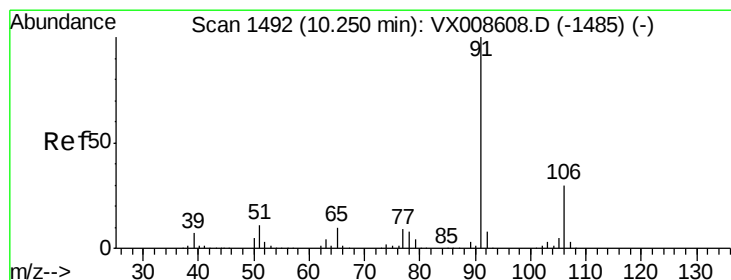
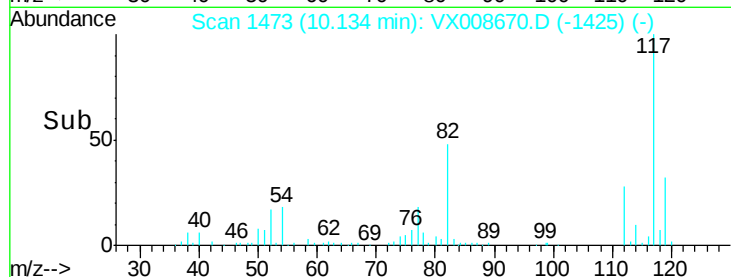
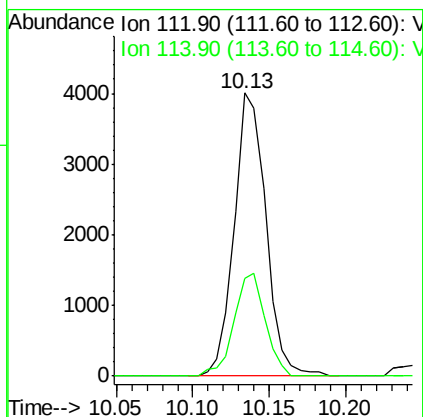
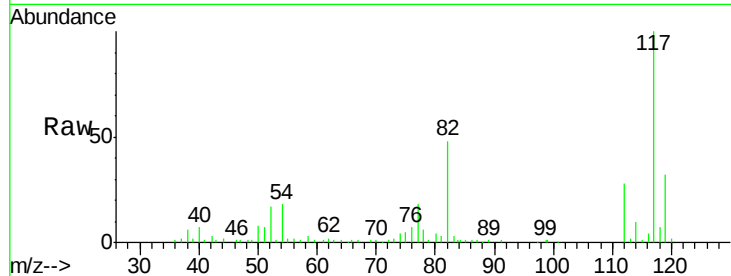
Time-->



#65
Chlorobenzene
Concen: 0.842 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008670.D
Acq: 05 Apr 2019 05:19

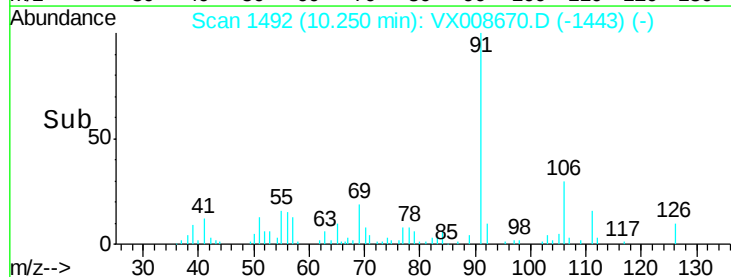
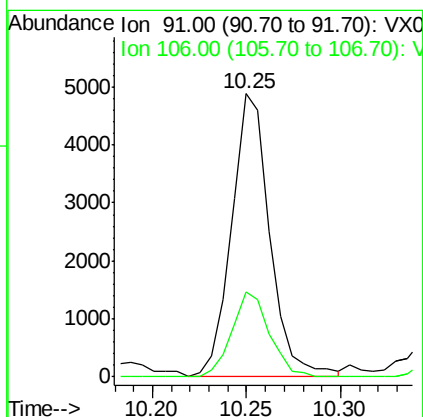
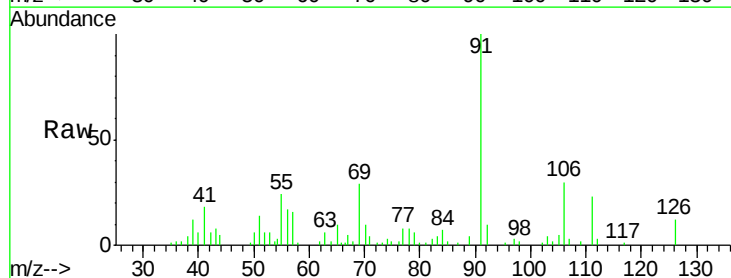
Instrument :
MSVOA_X
ClientSampleId :
ST006MW148-190402

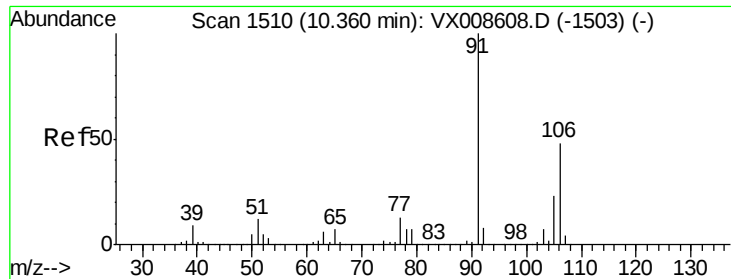
Tgt Ion: 112 Resp: 5758
Ion Ratio Lower Upper
112 100
114 34.5 25.8 38.8



#67
Ethyl Benzene
Concen: 0.540 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008670.D
Acq: 05 Apr 2019 05:19

Tgt Ion: 91 Resp: 6890
Ion Ratio Lower Upper
91 100
106 29.8 23.7 35.5

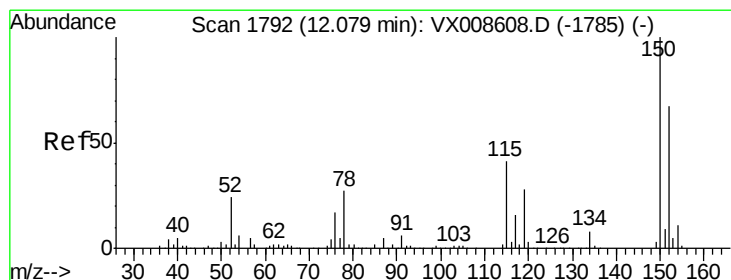
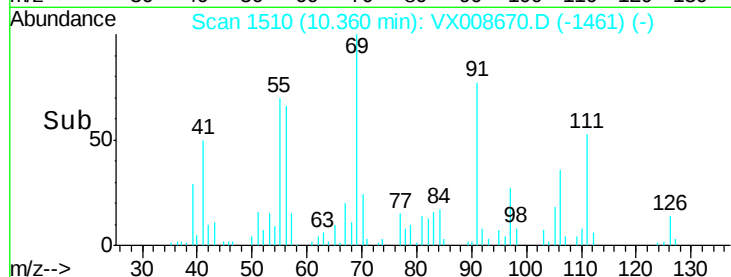
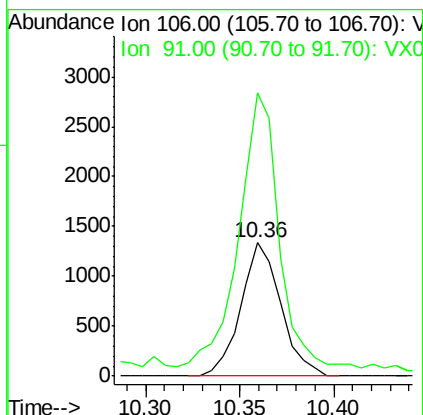
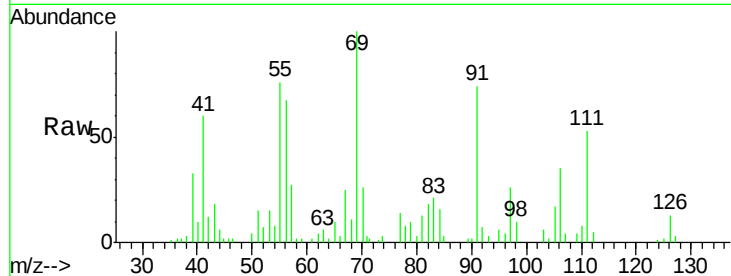




#68
m/p-Xylenes
Concen: 0.430 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008670.D
Acq: 05 Apr 2019 05:19

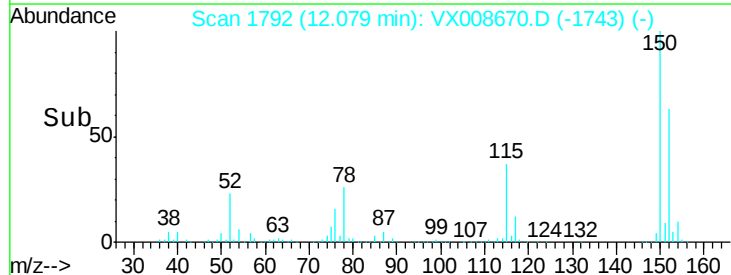
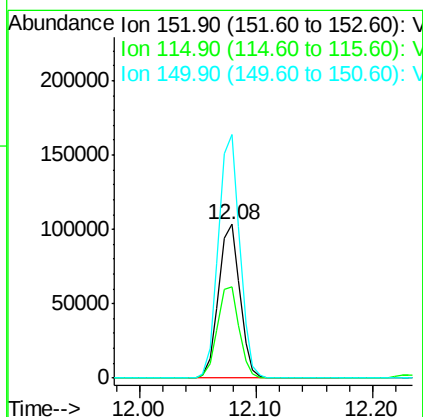
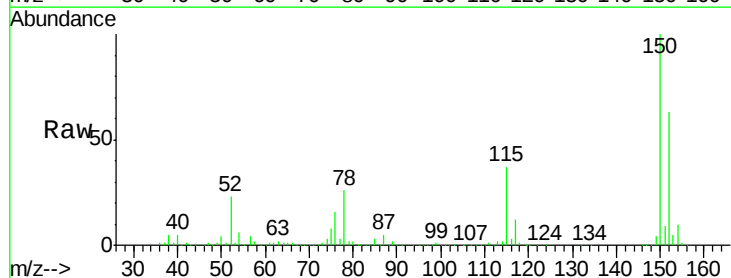
Instrument :
MSVOA_X
ClientSampleId :
ST006MW148-190402

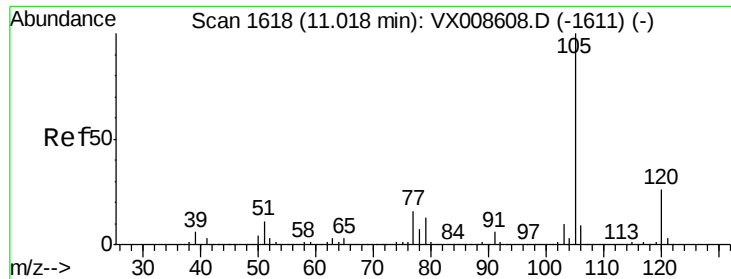
Tgt Ion:106 Resp: 1971
Ion Ratio Lower Upper
106 100
91 238.0 168.5 252.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008670.D
Acq: 05 Apr 2019 05:19

Tgt Ion:152 Resp: 130508
Ion Ratio Lower Upper
152 100
115 60.4 43.5 130.5
150 158.3 0.0 348.8





#73

Isopropylbenzene

Concen: 0.446 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

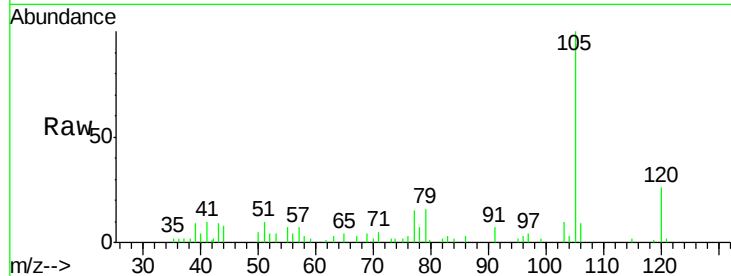
ST006MW148-190402

Tgt Ion: 105 Resp: 4825

Ion Ratio Lower Upper

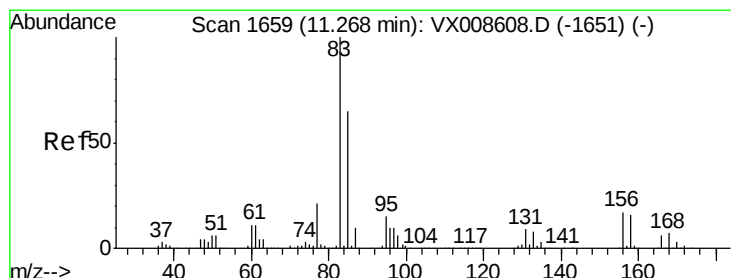
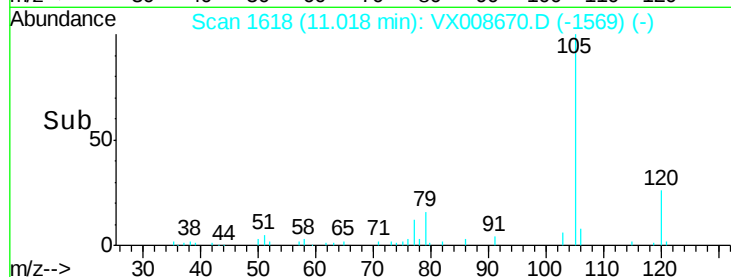
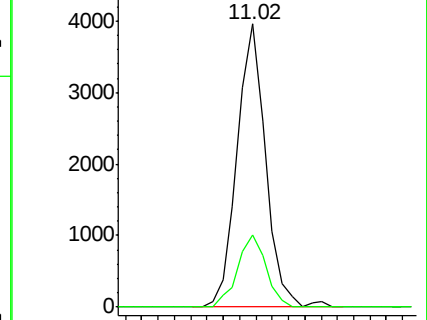
105 100

120 25.4 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 0.237 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

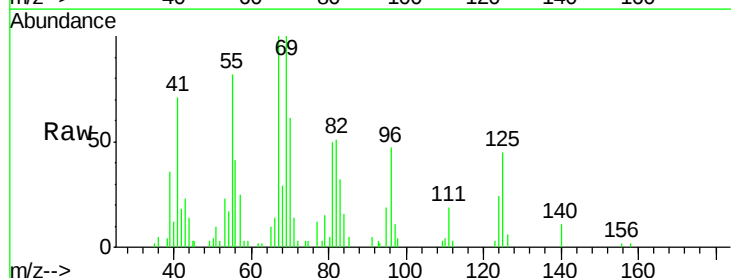
Tgt Ion: 83 Resp: 973

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

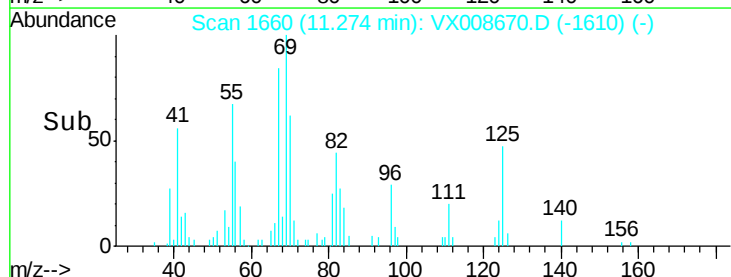
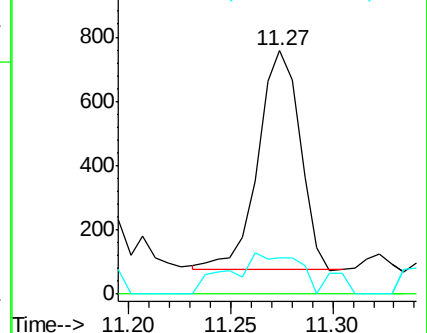
85 30.3 32.0 96.2#

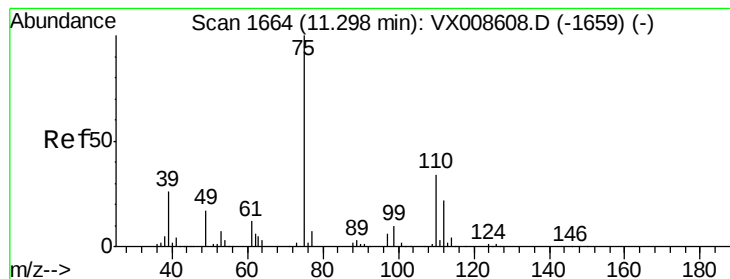


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.422 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

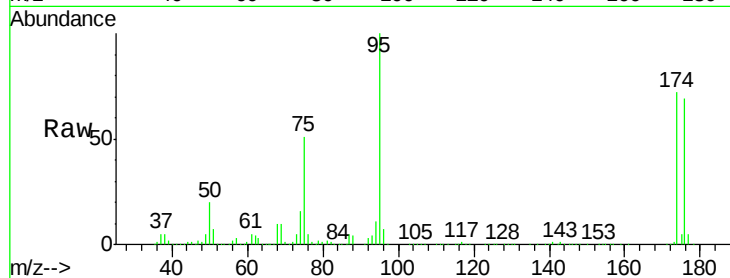
ST006MW148-190402

Tgt Ion: 75 Resp: 76803

Ion Ratio Lower Upper

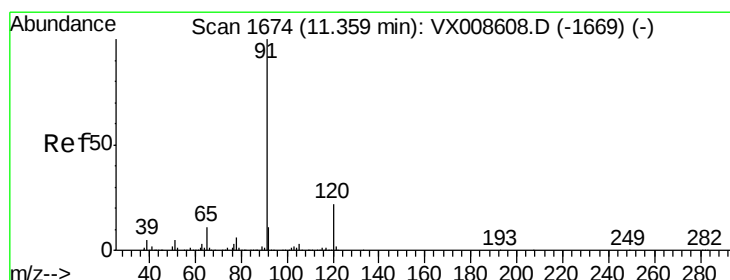
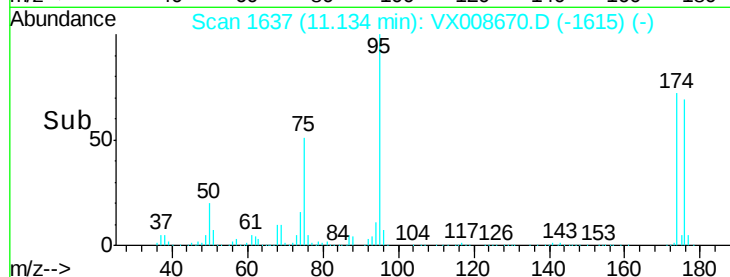
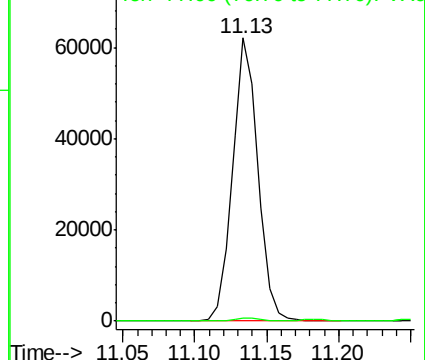
75 100

77 1.2 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 0.230 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008670.D

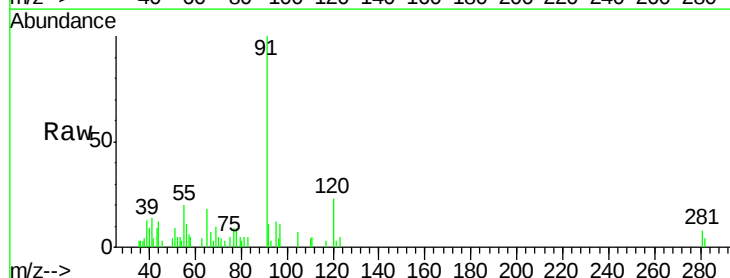
Acq: 05 Apr 2019 05:19

Tgt Ion: 91 Resp: 2901

Ion Ratio Lower Upper

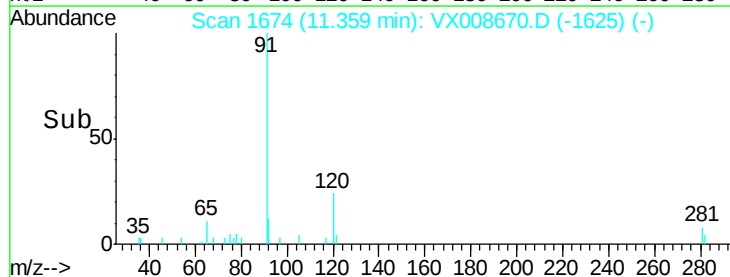
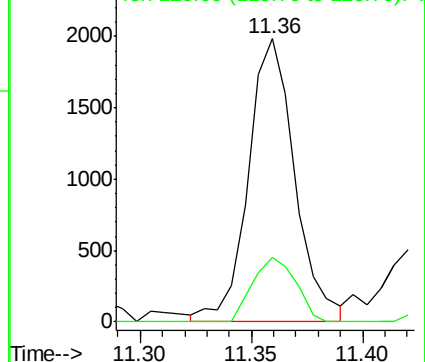
91 100

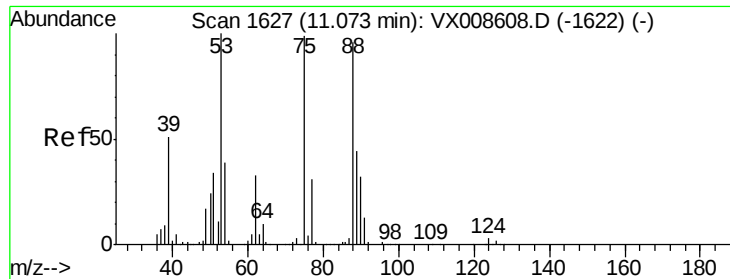
120 21.0 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 59.052 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

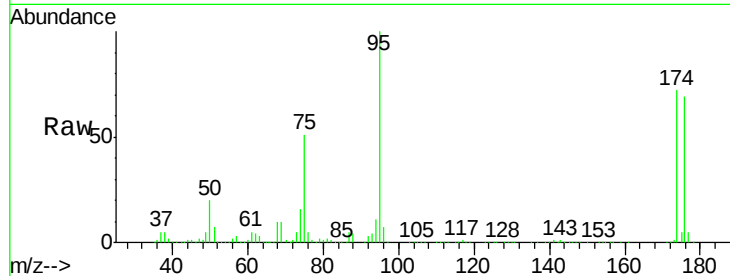
Tgt Ion: 75 Resp: 76803

Ion Ratio Lower Upper

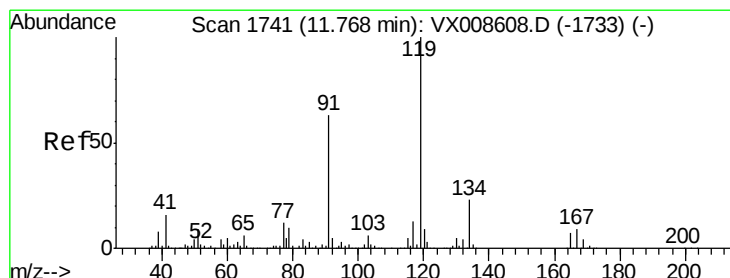
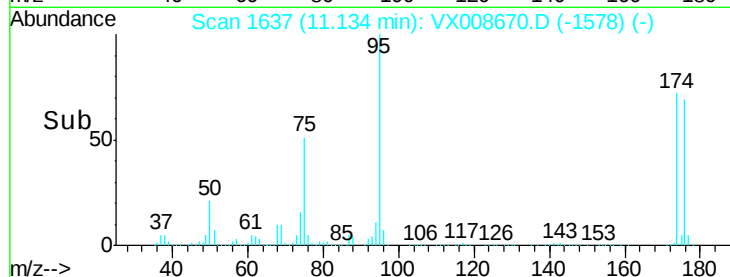
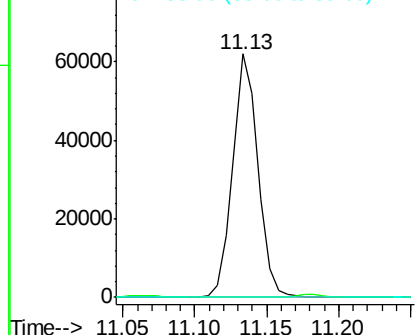
75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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



#83

tert-Butylbenzene

Concen: 1.518 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

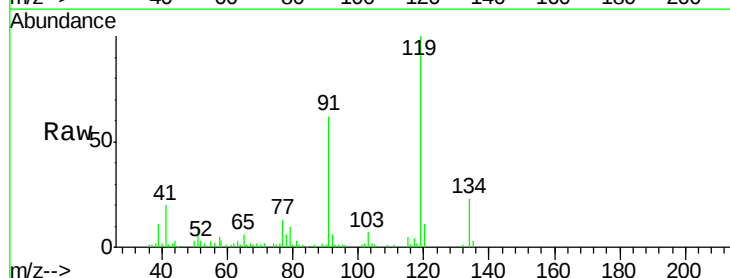
Tgt Ion: 119 Resp: 13255

Ion Ratio Lower Upper

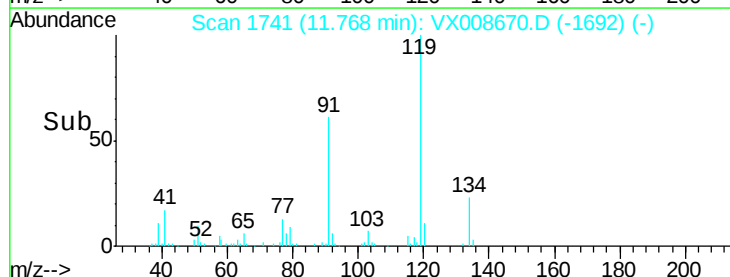
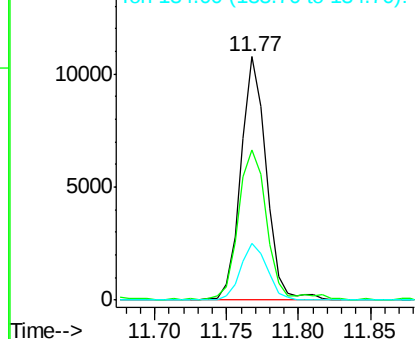
119 100

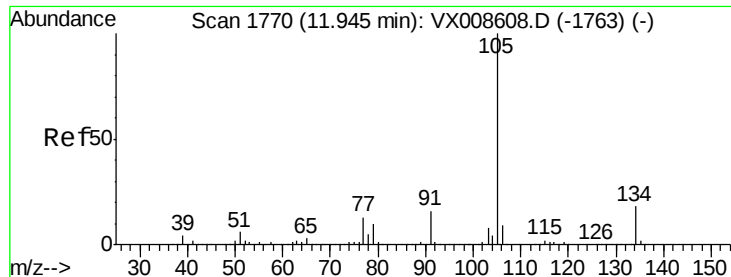
91 67.9 30.0 90.1

134 23.9 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

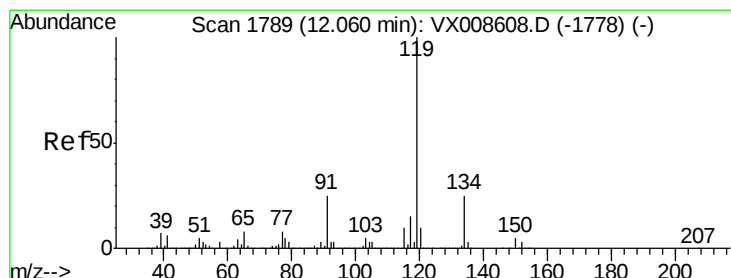
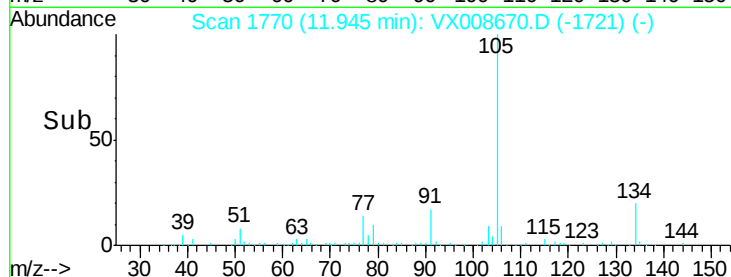
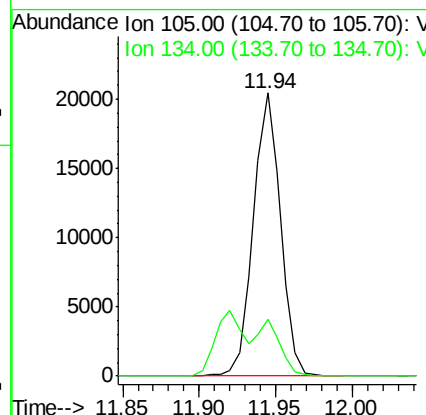
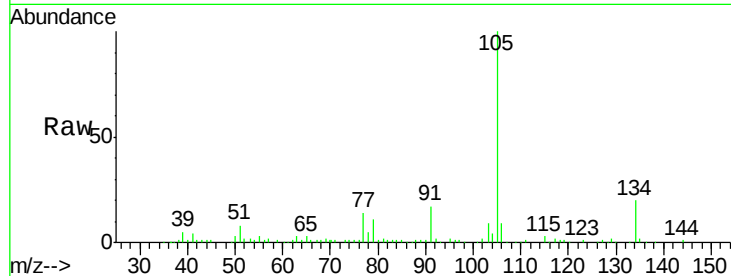




#85
 sec-Butylbenzene
 Concen: 2.426 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008670.D
 Acq: 05 Apr 2019 05:19

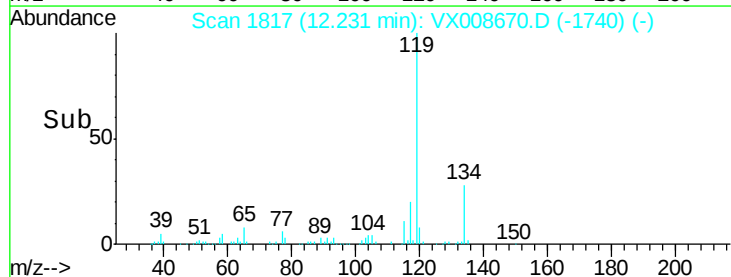
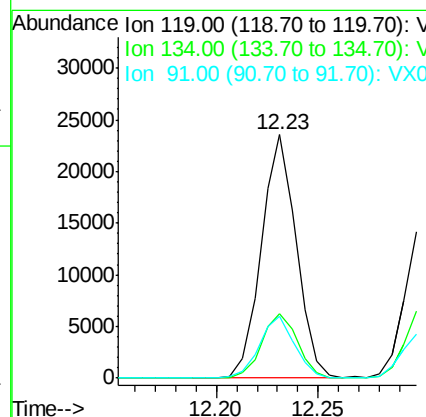
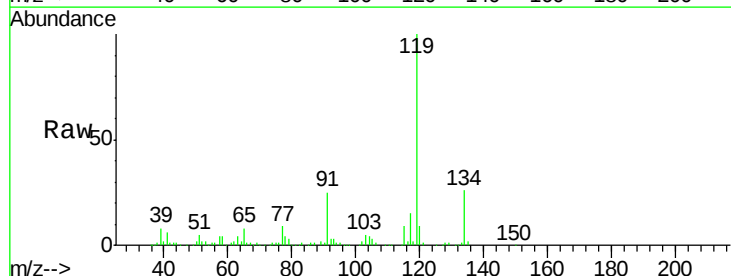
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW148-190402

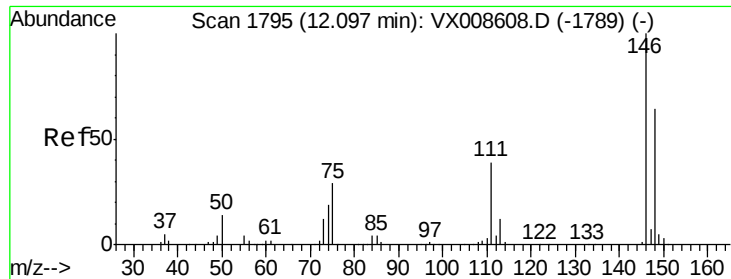
Tgt Ion:105 Resp: 25172
 Ion Ratio Lower Upper
 105 100
 134 16.9 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 3.011 ug/l
 RT: 12.23 min Scan# 1817
 Delta R.T. 0.17 min
 Lab File: VX008670.D
 Acq: 05 Apr 2019 05:19

Tgt Ion:119 Resp: 28036
 Ion Ratio Lower Upper
 119 100
 134 27.4 12.8 38.4
 91 25.7 12.2 36.6





#88

1,4-Dichlorobenzene

Concen: 0.262 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

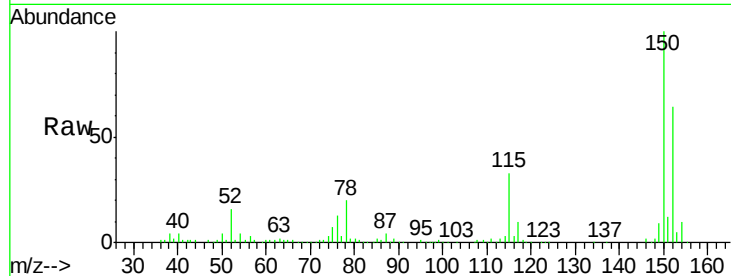
Tgt Ion:146 Resp: 1237

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.6#

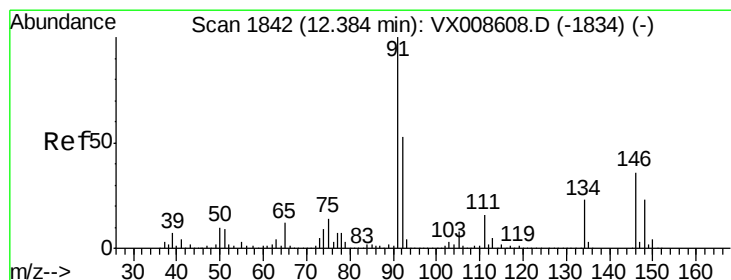
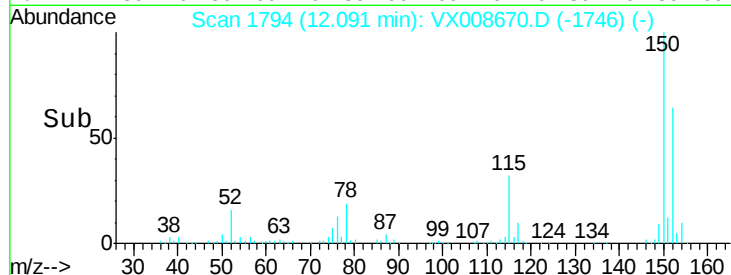
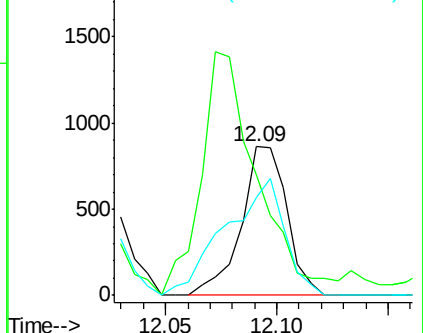
148 101.7 32.0 96.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.606 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

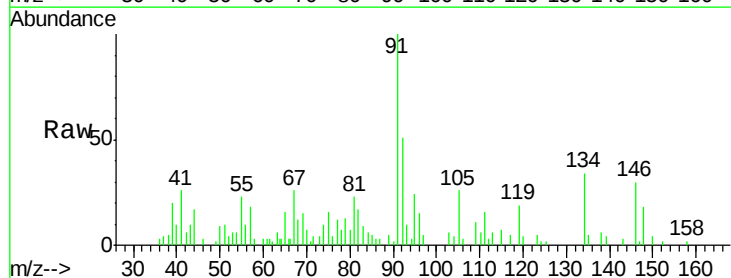
Tgt Ion: 91 Resp: 5290

Ion Ratio Lower Upper

91 100

92 37.4 26.4 79.2

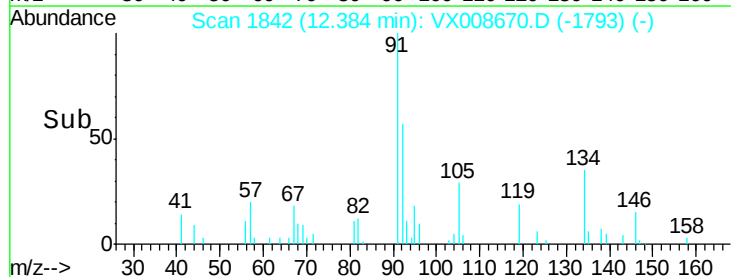
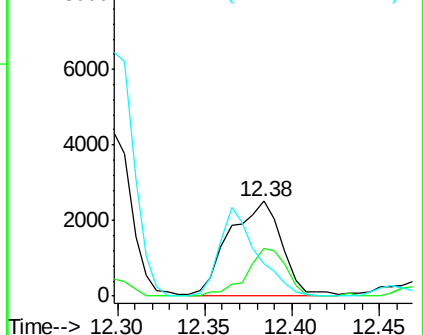
134 66.4 12.0 36.0#

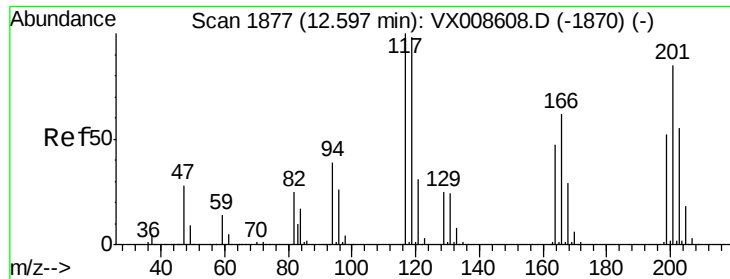


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.454 ug/l

RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

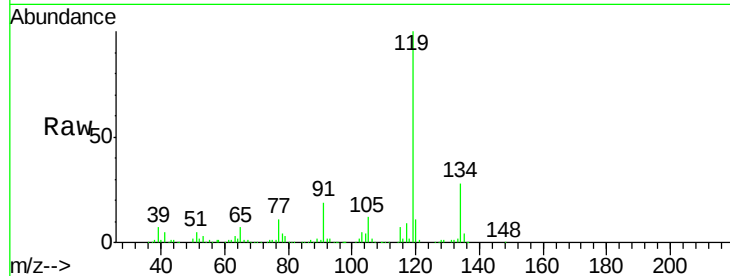
ST006MW148-190402

Tgt Ion:117 Resp: 3790

Ion Ratio Lower Upper

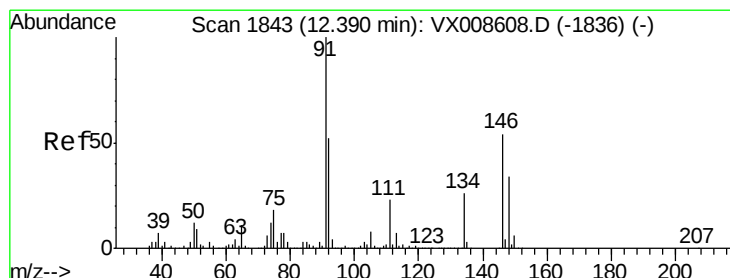
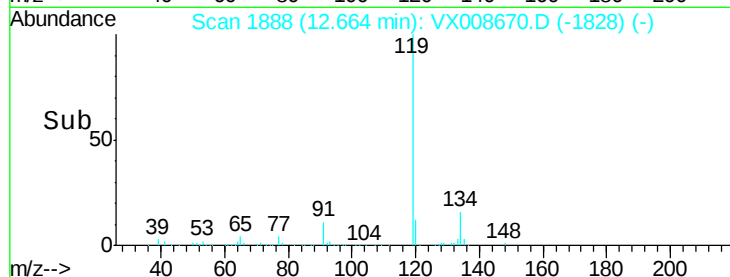
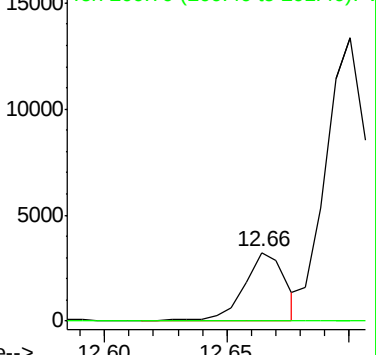
117 100

201 0.0 40.6 122.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.295 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

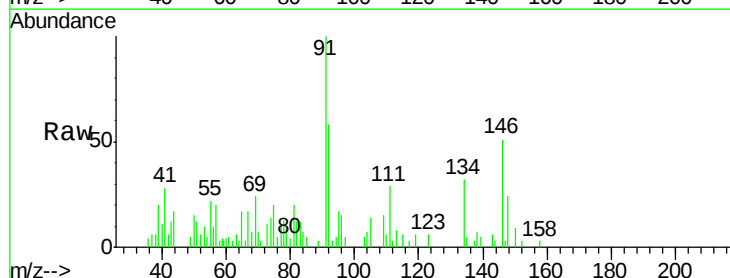
Tgt Ion:146 Resp: 1364

Ion Ratio Lower Upper

146 100

111 57.2 21.3 63.9

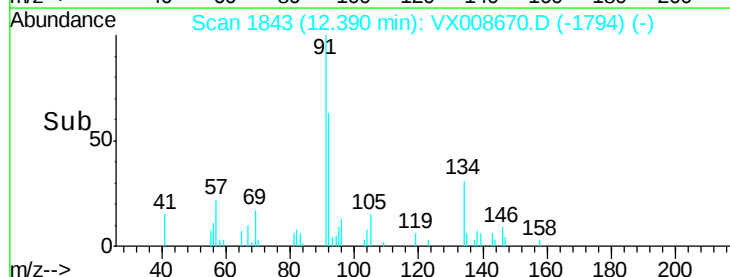
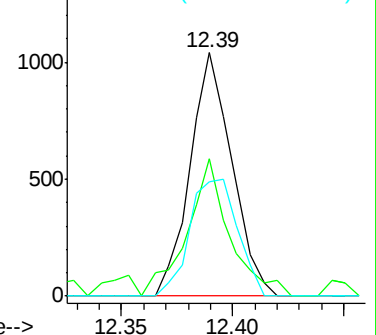
148 55.3 31.7 95.1

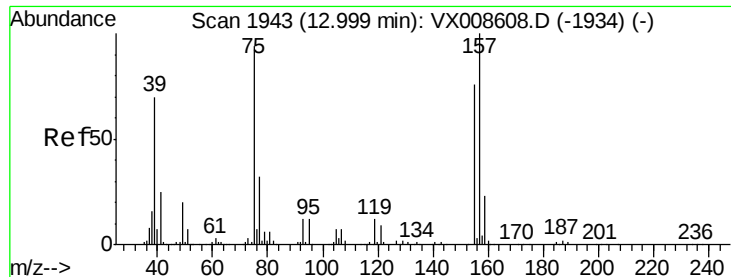


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.655 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

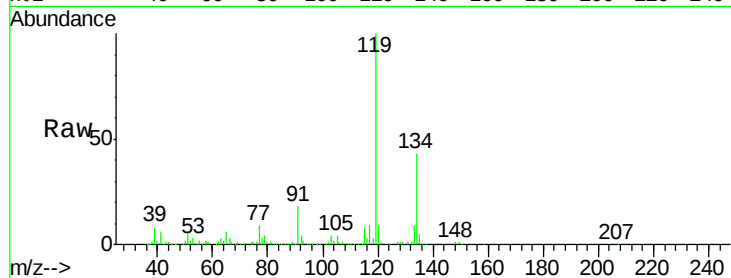
Tgt Ion: 75 Resp: 593

Ion Ratio Lower Upper

75 100

155 3.2 39.9 119.6#

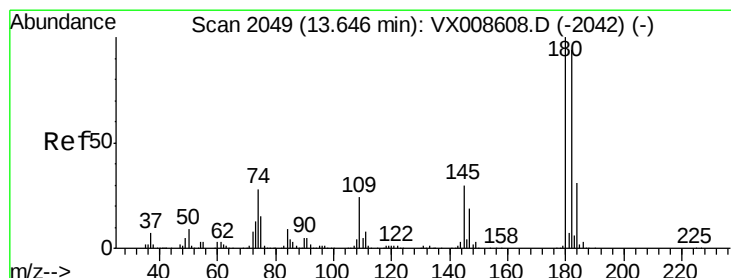
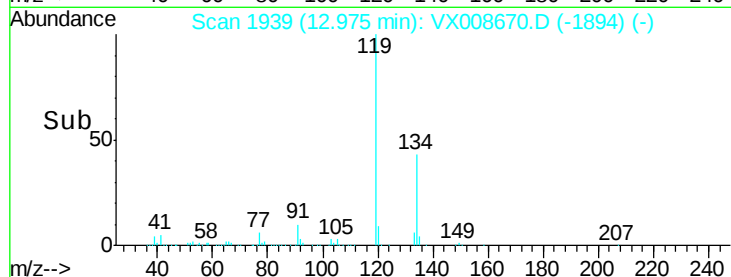
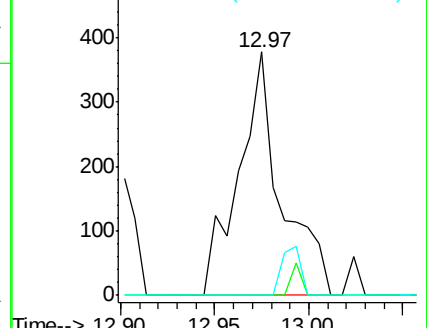
157 8.8 51.5 154.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.261 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

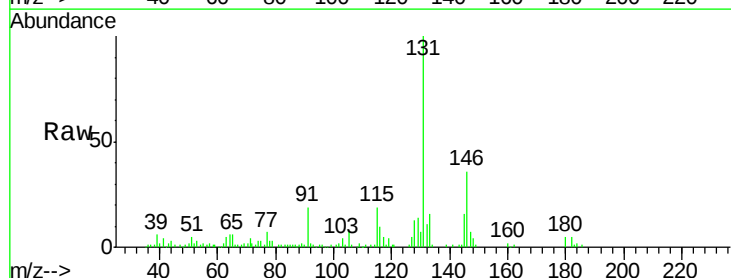
Tgt Ion: 180 Resp: 840

Ion Ratio Lower Upper

180 100

182 100.6 47.2 141.6

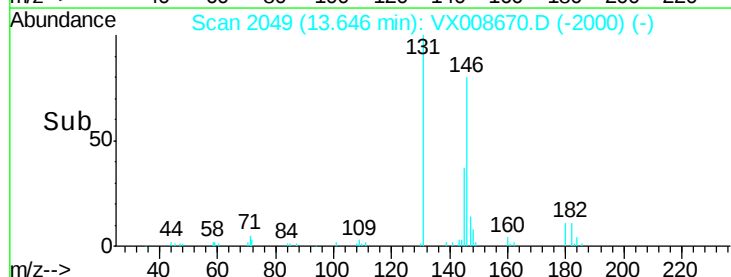
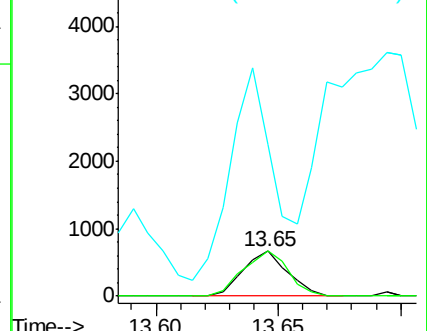
145 513.9 15.3 45.9#

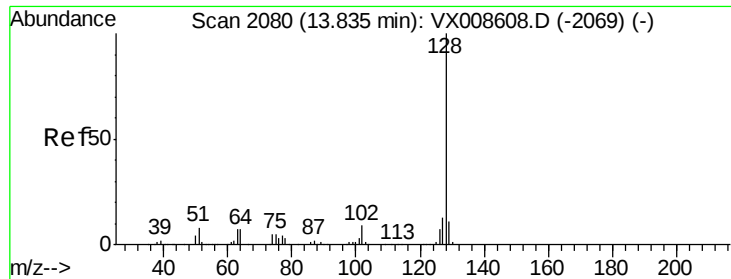


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.505 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

ST006MW148-190402

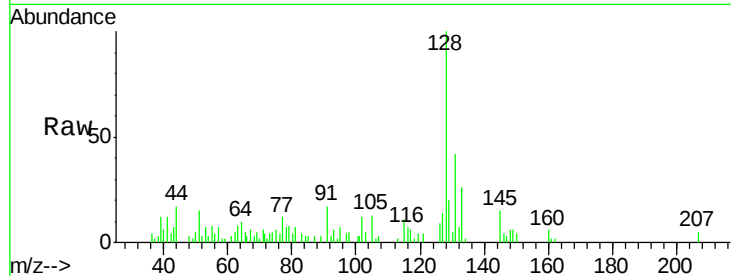
Tgt Ion:128 Resp: 5428

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

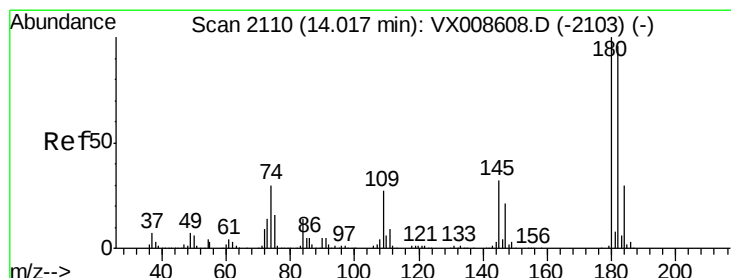
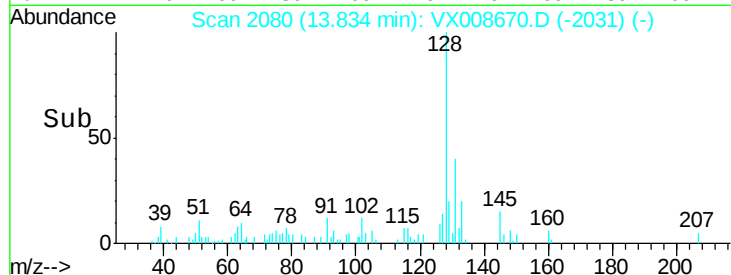
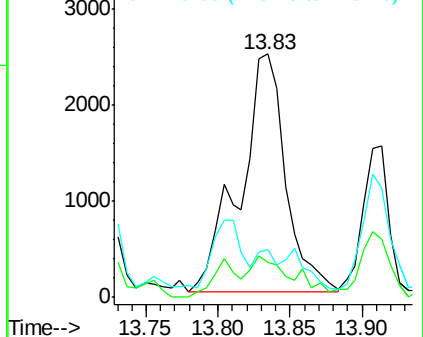
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.265 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008670.D

Acq: 05 Apr 2019 05:19

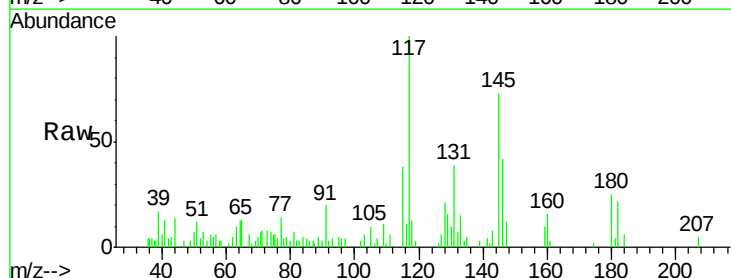
Tgt Ion:180 Resp: 852

Ion Ratio Lower Upper

180 100

182 95.1 48.1 144.3

145 662.4 16.3 48.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

