

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054098.D
 Acq On : 5 Mar 2019 14:47
 Operator : JC/SP
 Sample : K1727-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

Quant Time: Mar 06 02:20:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1122094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1083321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	437571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	385245	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
35) Dibromofluoromethane	7.59	113	362355	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.09	98	1413311	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.40	95	494256	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	

Target Compounds

					Qvalue	
4) Vinyl Chloride	2.19	62	33510	4.120	ug/l	99
11) Tert butyl alcohol	4.78	59	19623	41.523	ug/l #	89
16) Acetone	3.82	43	14640	Below Cal		95
17) Carbon Disulfide	4.06	76	6058	0.299	ug/l	96
18) Methyl Acetate	4.33	43	1404	0.269	ug/l #	77
20) Methylene Chloride	4.55	84	2428	0.329	ug/l #	78
21) trans-1,2-Dichloroethene	5.04	96	1380	0.203	ug/l #	78
25) 2-Butanone	6.85	43	5294	1.809	ug/l #	23
27) cis-1,2-Dichloroethene	6.83	96	474217	62.756	ug/l	95
31) Cyclohexane	7.66	56	17149	1.037	ug/l #	8
36) 1,1-Dichloropropene	7.67	75	41542	3.981	ug/l #	48
38) Carbon Tetrachloride	7.67	117	53956	4.972	ug/l #	16
39) Methylcyclohexane	9.08	83	8507	0.676	ug/l	91
40) Benzene	8.04	78	40785	1.272	ug/l	97
43) Isopropyl Acetate	8.27	43	46025	3.658	ug/l #	59
51) 4-Methyl-2-Pentanone	9.98	43	2032	0.314	ug/l	95
52) Toluene	10.16	92	140689	7.453	ug/l	100
56) Ethyl methacrylate	10.43	69	520	2.009	ug/l #	58
58) 2-Chloroethyl Vinyl ether	9.97	63	66	13.634	ug/l #	47
67) Ethyl Benzene	11.51	91	1243704	32.449	ug/l	97
68) m/p-Xylenes	11.62	106	316734	21.895	ug/l	98
69) o-Xylene	11.95	106	274512	19.313	ug/l	96
70) Styrene	11.95	104	14924	0.683	ug/l #	1
71) Bromoform	12.40	173	3573	0.623	ug/l #	1
73) Isopropylbenzene	12.25	105	169615	4.980	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	241293	34.375	ug/l #	100
78) n-propylbenzene	12.59	91	432982	11.177	ug/l	98
79) 2-Chlorotoluene	12.65	91	24565	1.056	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	196676	7.053	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	241293	108.647	ug/l #	15
82) 4-Chlorotoluene	12.73	91	19769	0.860	ug/l #	39
83) tert-Butylbenzene	12.99	119	58711	2.381	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	646367	23.218	ug/l	99
85) sec-Butylbenzene	13.17	105	65784	1.953	ug/l #	72

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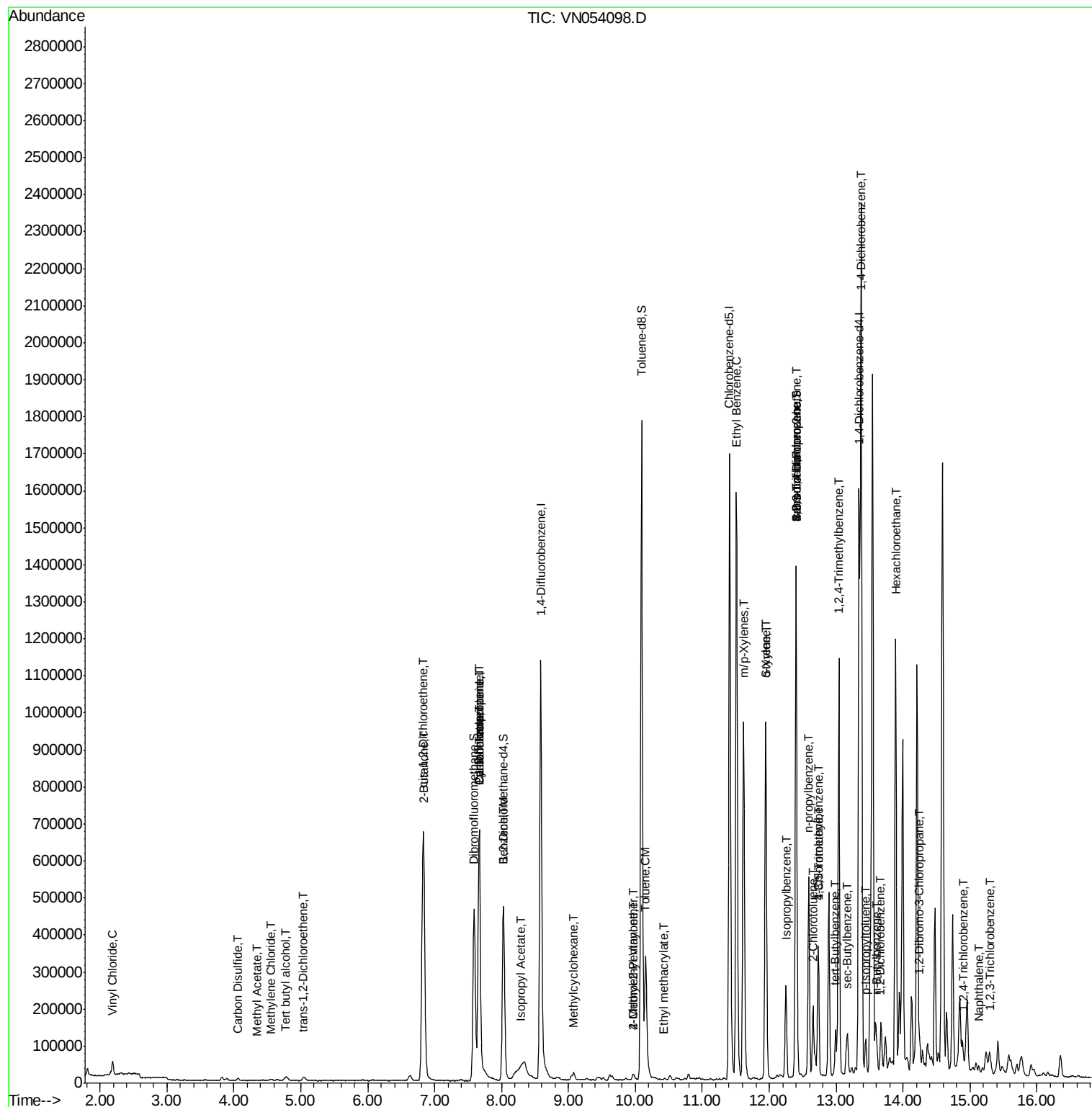
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.44	119	48228	1.694	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	3492	0.241	ug/l #	1
89) n-Butylbenzene	13.61	91	40920	1.705	ug/l #	74
90) Hexachloroethane	13.89	117	60460	10.956	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	8295	0.573	ug/l	88
92) 1,2-Dibromo-3-Chloropropan	14.24	75	495	0.411	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1030	2.345	ug/l #	1
95) Naphthalene	15.13	128	17739	4.170	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	774	1.655	ug/l #	1

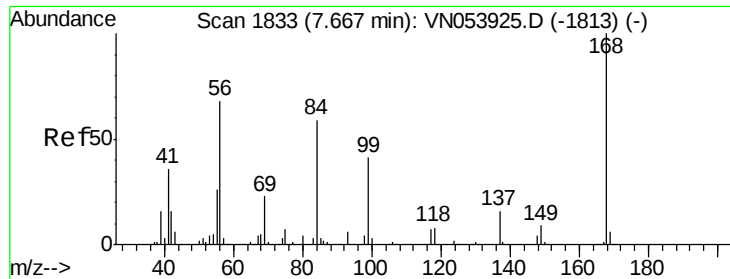
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

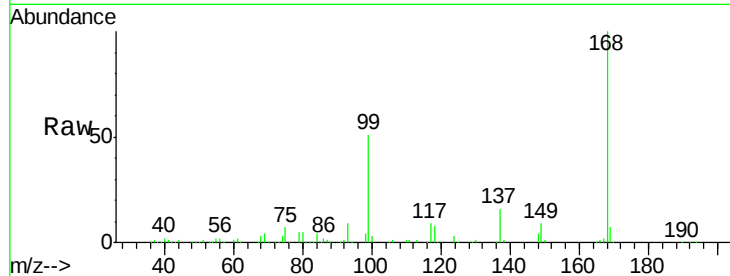
Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion:168 Resp: 635947

Ion Ratio Lower Upper

168 100

99 50.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

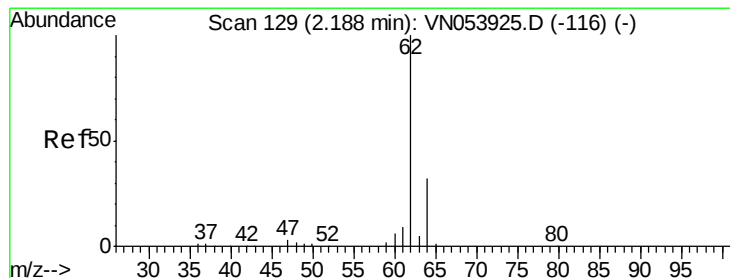
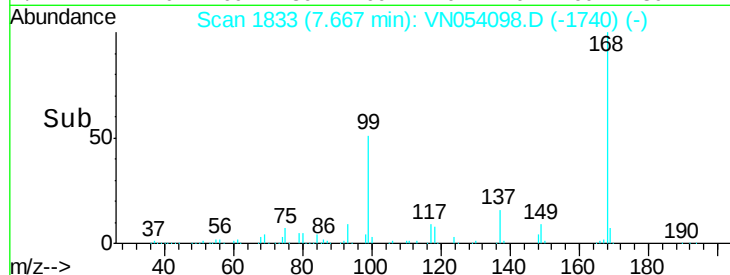
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 4.120 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054098.D

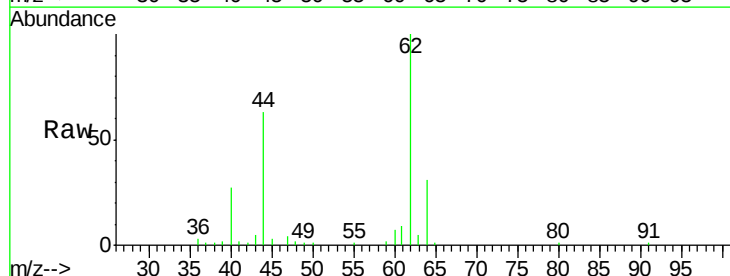
Acq: 5 Mar 2019 14:47

Tgt Ion: 62 Resp: 33510

Ion Ratio Lower Upper

62 100

64 30.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

25000

20000

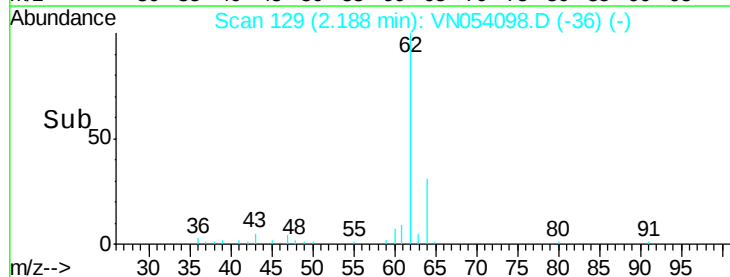
15000

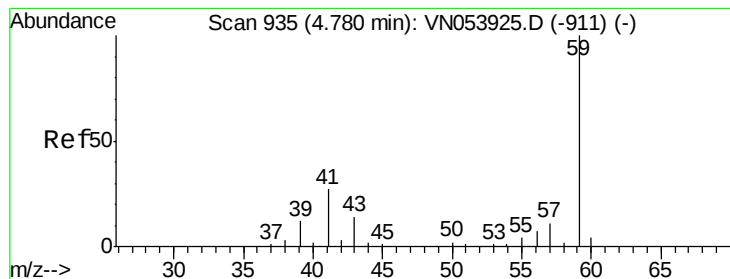
10000

5000

0

Time--> 2.15 2.20 2.25



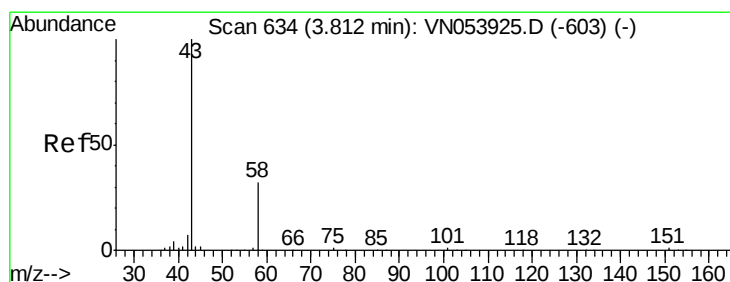
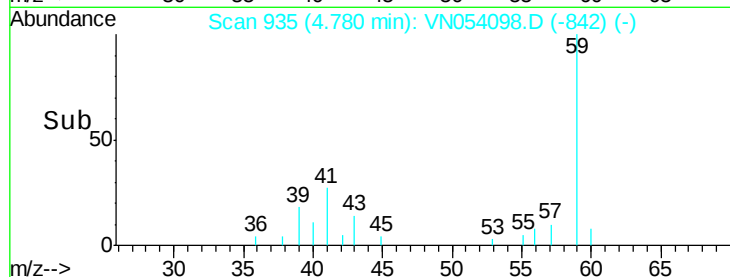
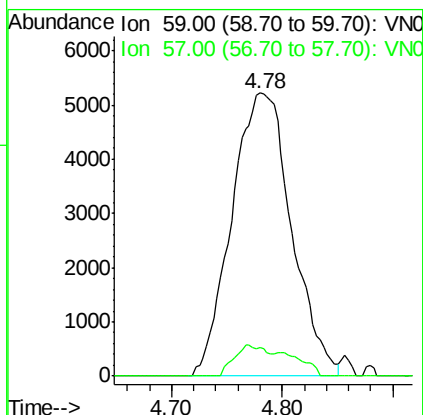
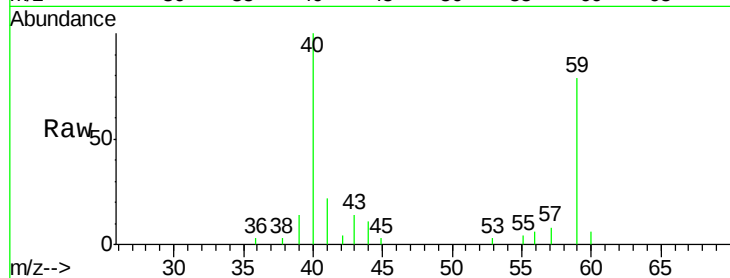


#11

Tert butyl alcohol
 Concen: 41.523 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

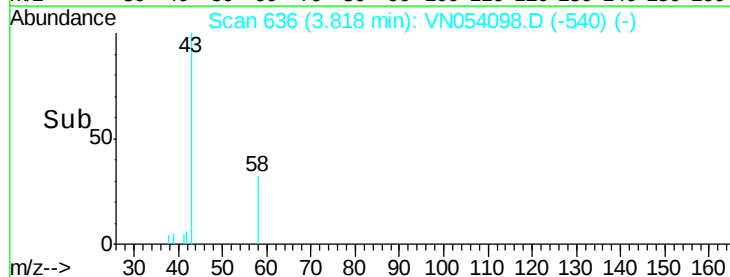
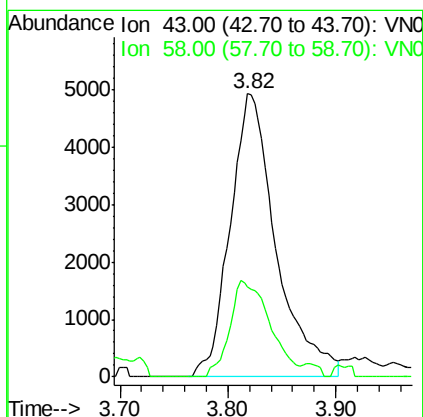
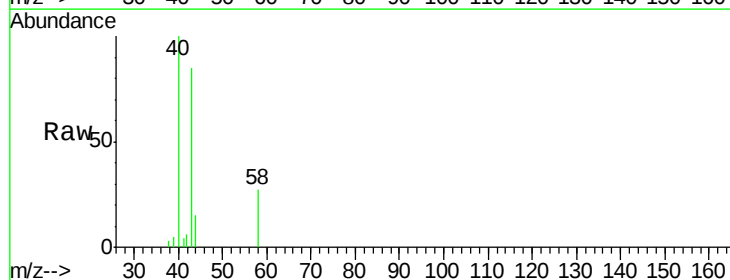
Tot Ion: 59 Resp: 19623
 Ion Ratio Lower Upper
 59 100
 57 5.9 8.1 12.1#

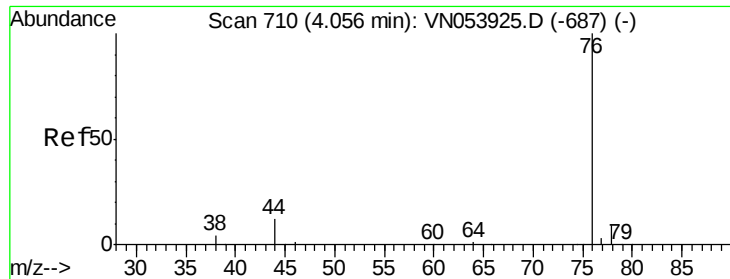


#16

Acetone
 Concen: Below Cal
 RT: 3.82 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

Tgt Ion: 43 Resp: 14640
 Ion Ratio Lower Upper
 43 100
 58 31.7 27.6 41.4





#17

Carbon Disulfide

Concen: 0.299 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

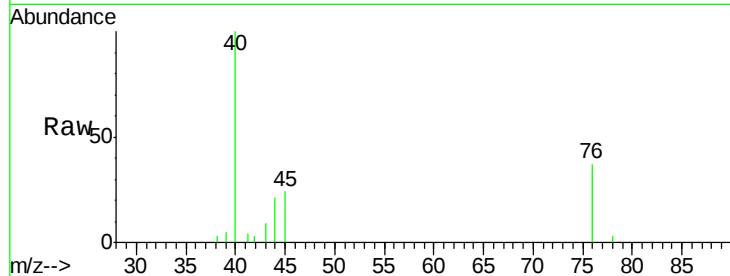
TW-1

Tot Ion: 76 Resp: 6058

Ion Ratio Lower Upper

76 100

78 7.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

2500

2000

1500

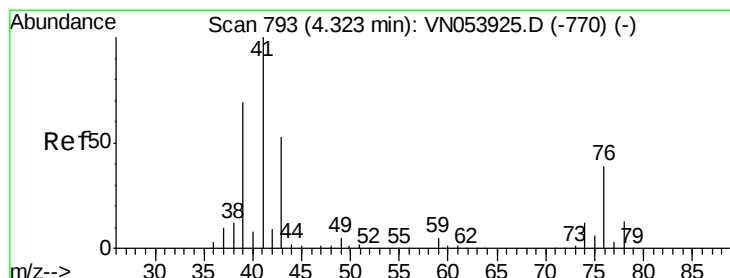
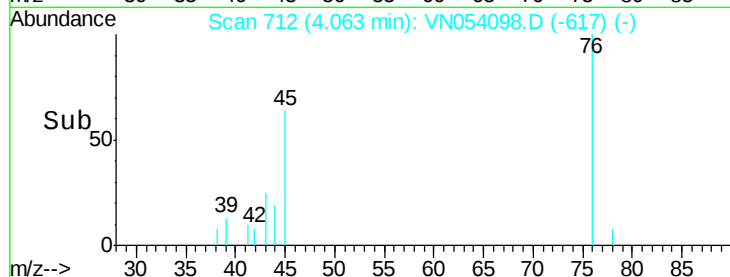
1000

500

0

Time-->

4.00 4.05 4.10



#18

Methyl Acetate

Concen: 0.269 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN054098.D

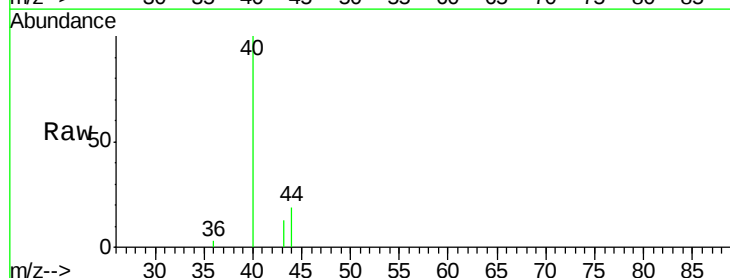
Acq: 5 Mar 2019 14:47

Tgt Ion: 43 Resp: 1404

Ion Ratio Lower Upper

43 100

74 14.1 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

800

600

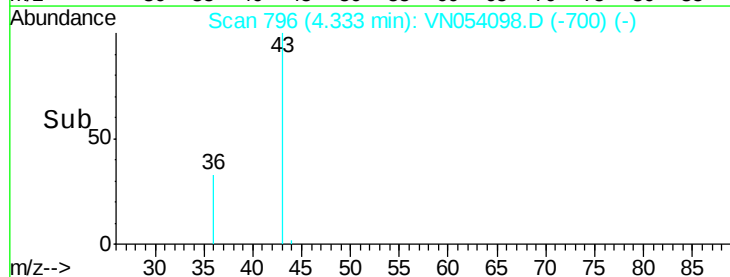
400

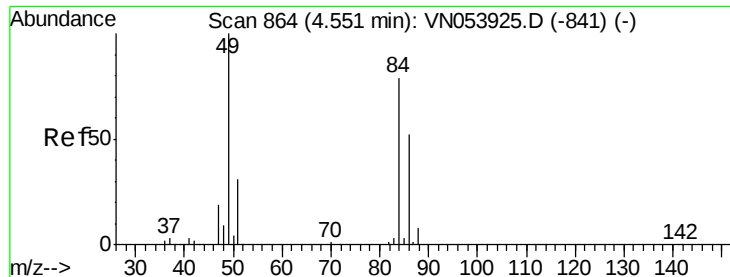
200

0

Time-->

4.28 4.30 4.32 4.34

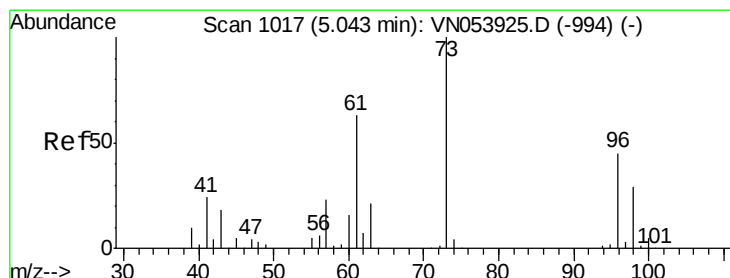
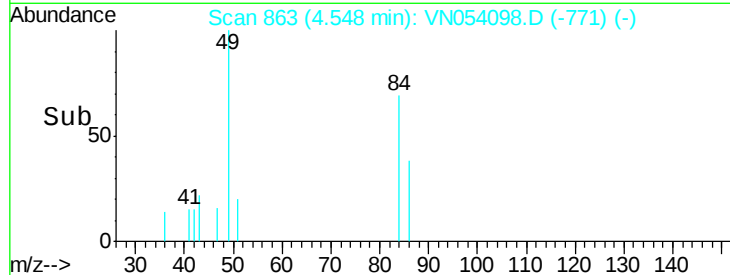
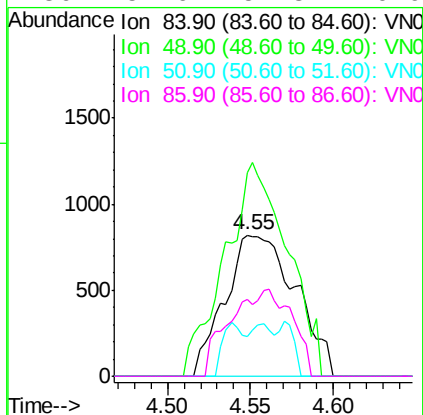
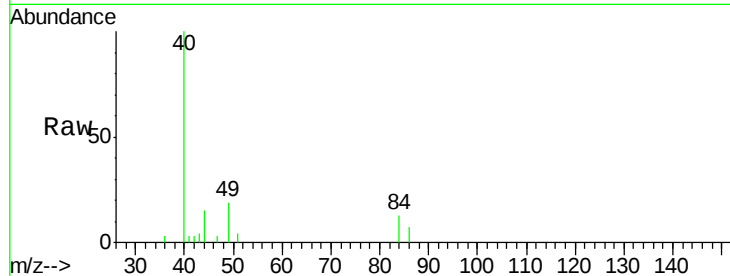




#20
Methvlene Chloride
Concen: 0.329 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

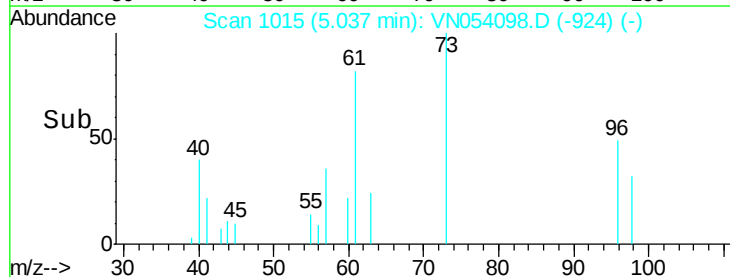
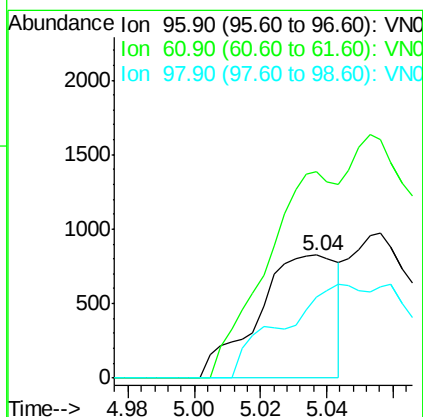
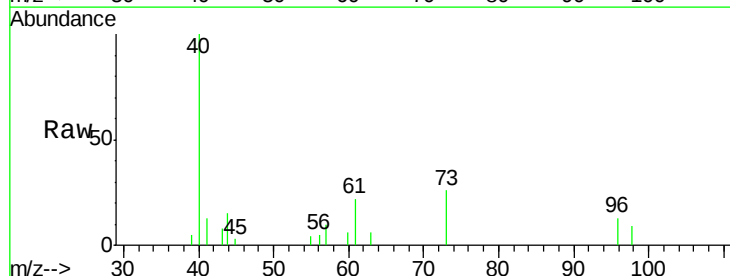
Instrument :
MSVOA_N
ClientSampled :
TW-1

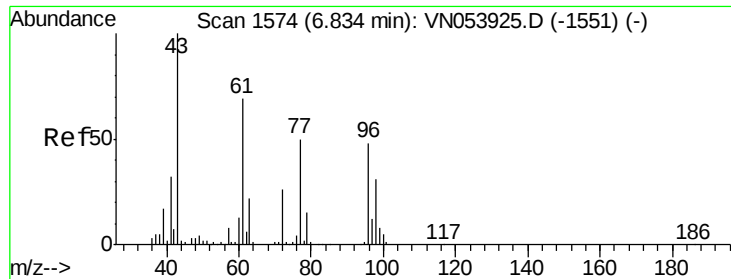
Tot Ion: 84 Resp: 2428
Ion Ratio Lower Upper
84 100
49 144.8 89.7 134.5#
51 28.6 27.8 41.8
86 54.6 51.3 76.9



#21
trans-1,2-Dichloroethene
Concen: 0.203 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion: 96 Resp: 1380
Ion Ratio Lower Upper
96 100
61 167.6 104.5 156.7#
98 66.1 50.6 76.0





#25

2-Butanone

Concen: 1.809 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

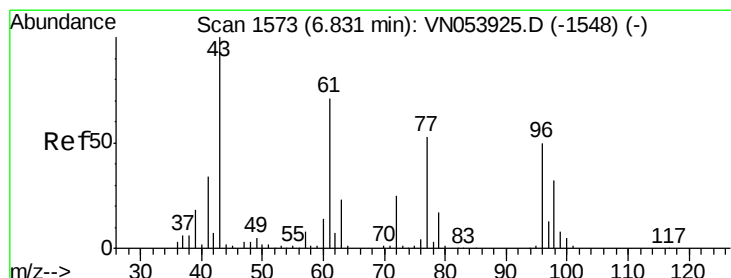
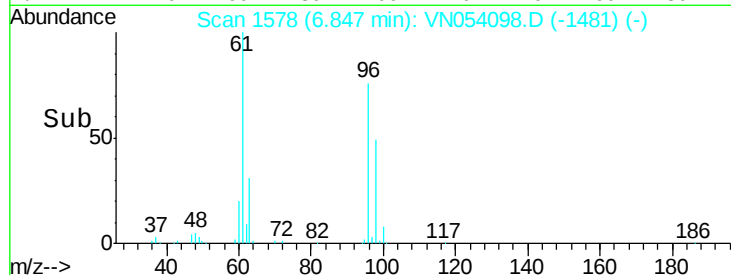
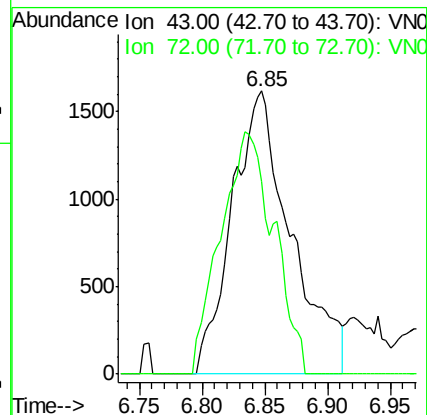
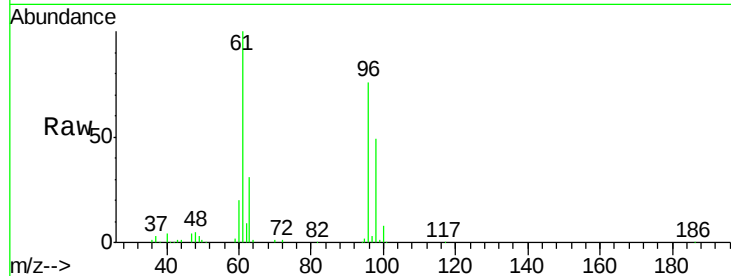
TW-1

Tot Ion: 43 Resp: 5294

Ion Ratio Lower Upper

43 100

72 67.8 22.1 33.1#



#27

cis-1,2-Dichloroethene

Concen: 62.756 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

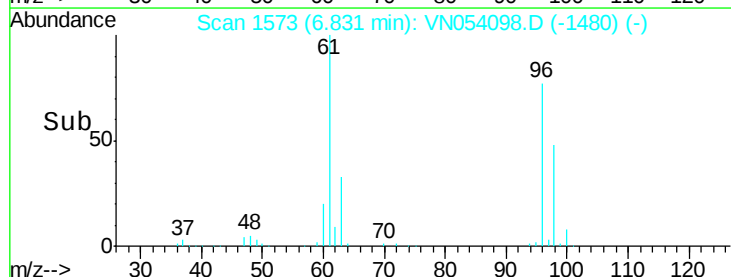
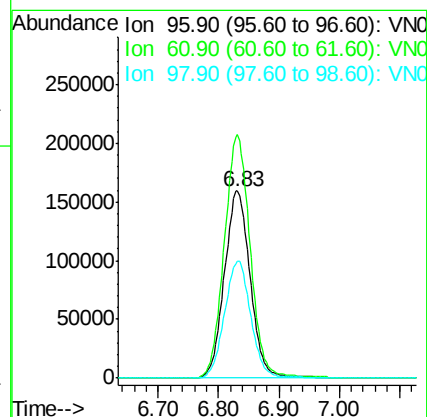
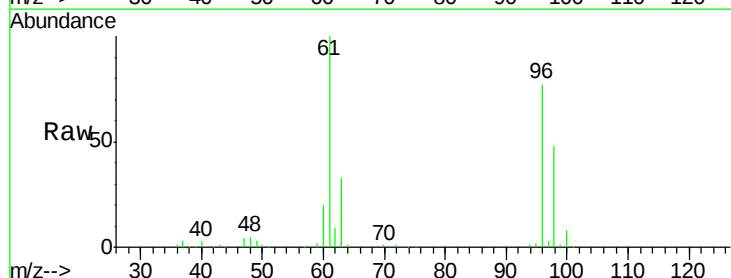
Tgt Ion: 96 Resp: 474217

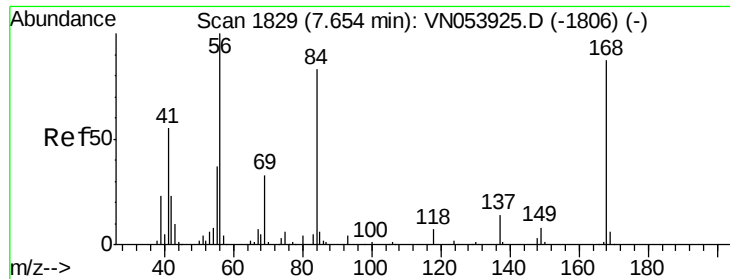
Ion Ratio Lower Upper

96 100

61 130.2 0.0 275.6

98 63.5 0.0 130.0

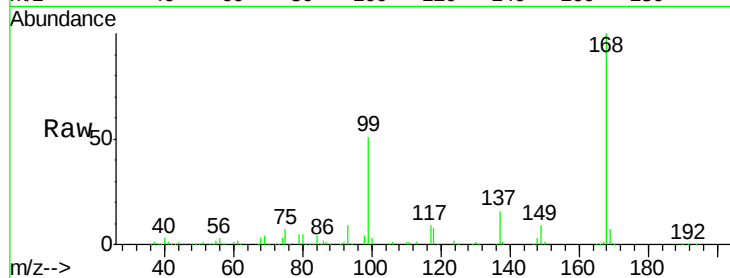




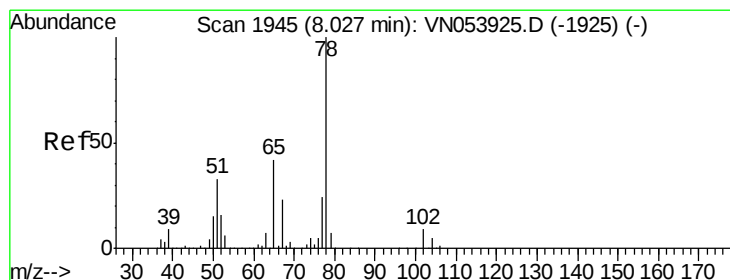
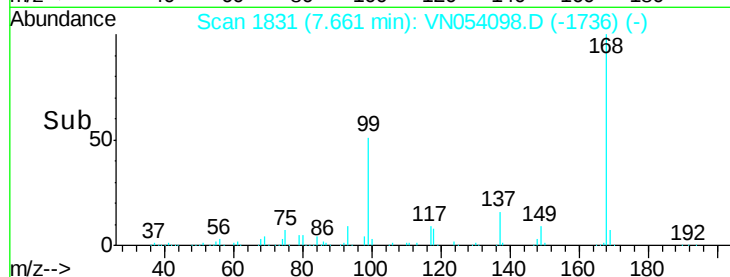
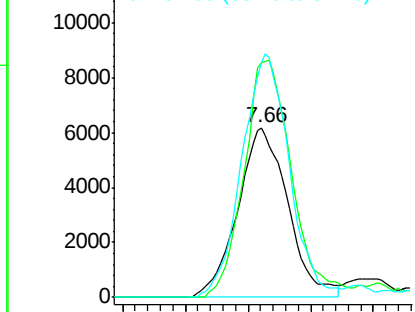
#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion: 56 Resp: 17149
Ion Ratio Lower Upper
56 100
69 138.2 26.0 39.0#
84 137.8 69.1 103.7#

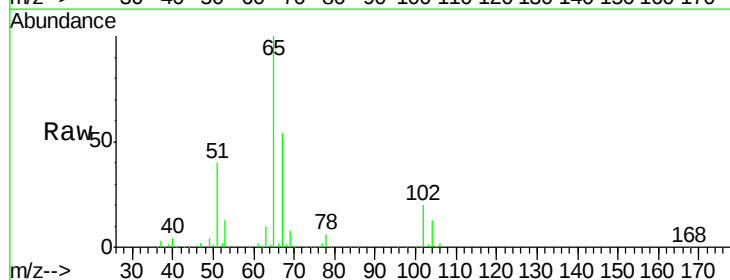


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

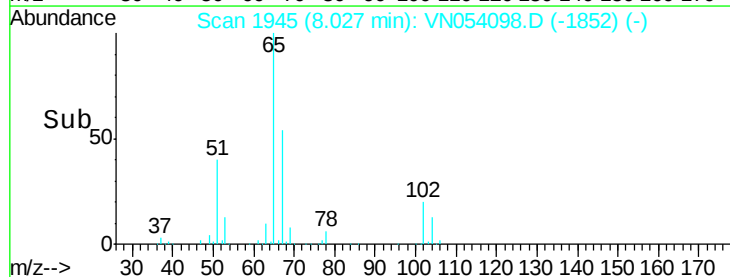
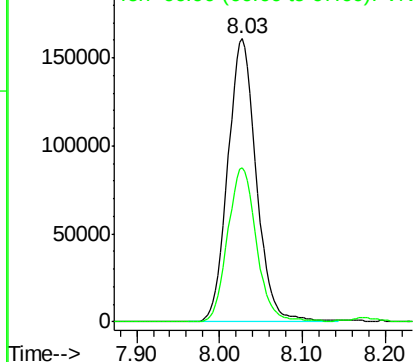


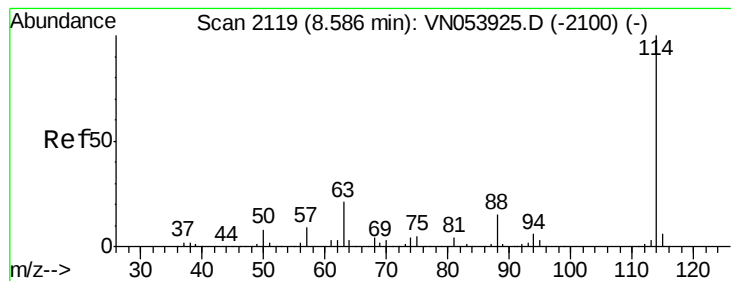
#33
1,2-Dichloroethane-d4
Concen: 51.678 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion: 65 Resp: 385245
Ion Ratio Lower Upper
65 100
67 55.3 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

TW-1

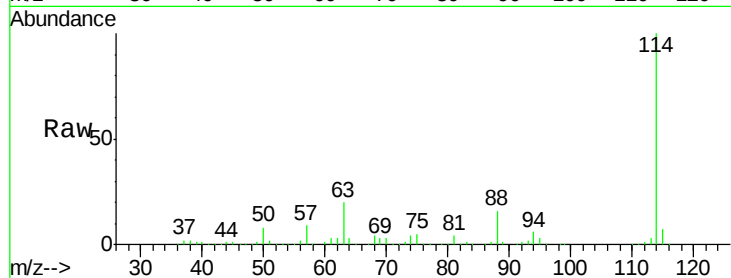
Tot Ion:114 Resp: 1122094

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

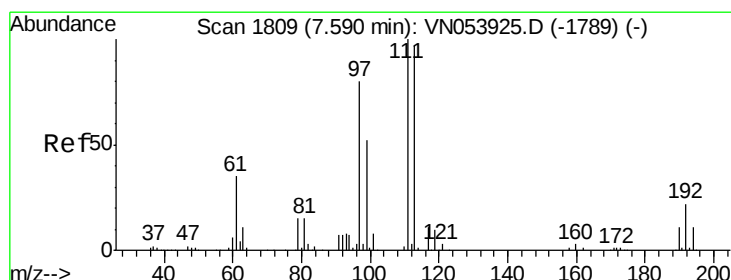
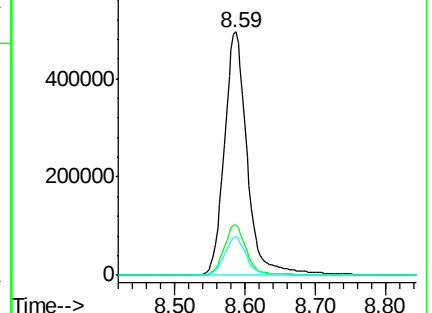
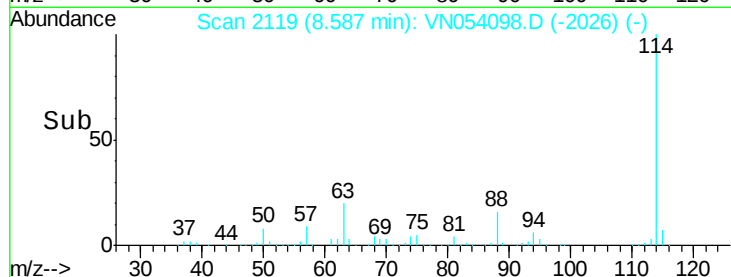
88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.938 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

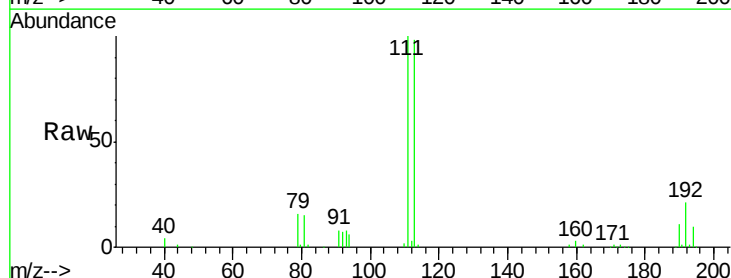
Tgt Ion:113 Resp: 362355

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

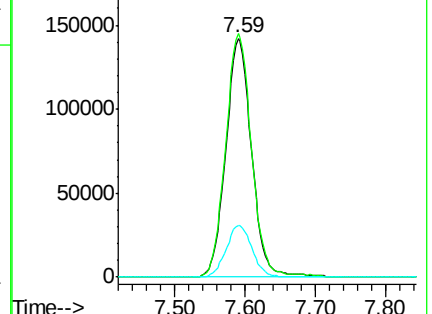
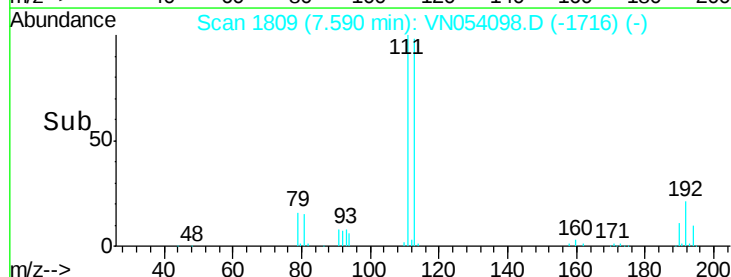
192 21.9 18.8 28.2

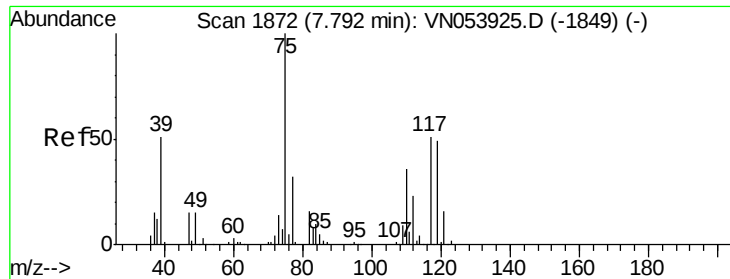


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

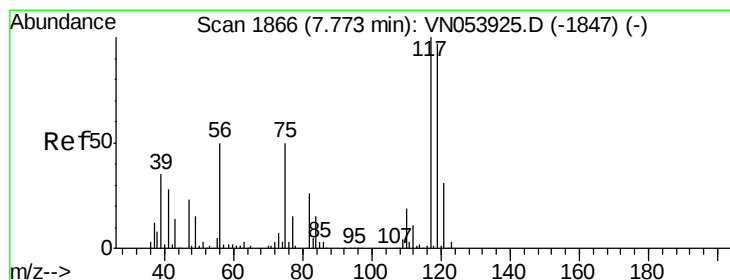
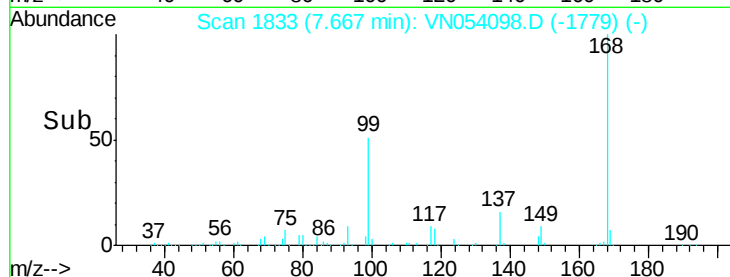
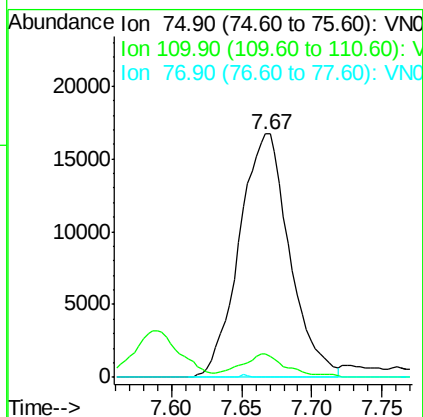
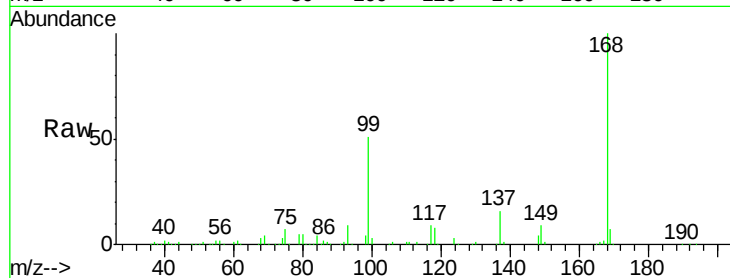




#36
 1,1-Dichloropropene
 Concen: 3.981 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

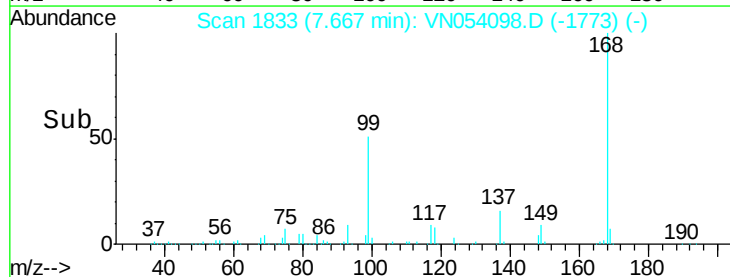
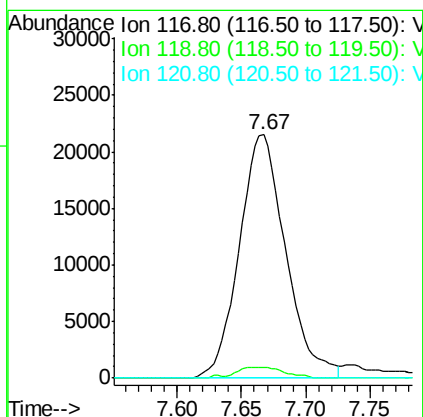
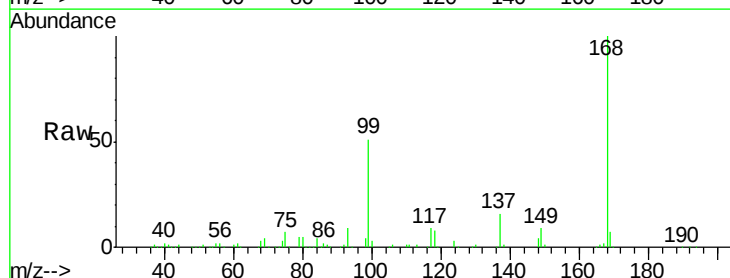
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

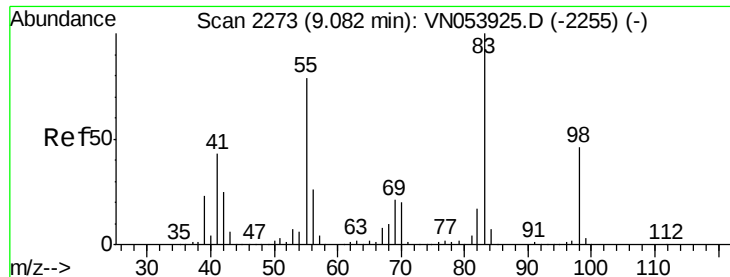
Tot Ion: 75 Resp: 41542
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.0 57.0#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 4.972 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

Tgt Ion: 117 Resp: 53956
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.2 114.2#
 121 0.0 24.6 36.8#

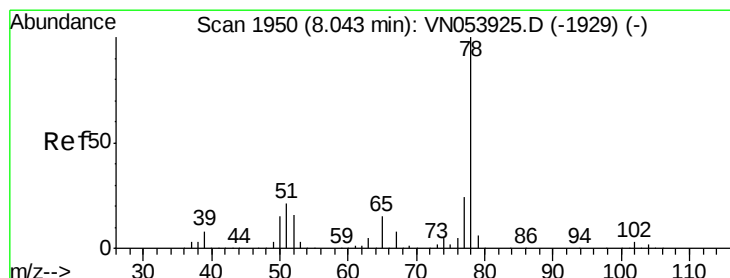
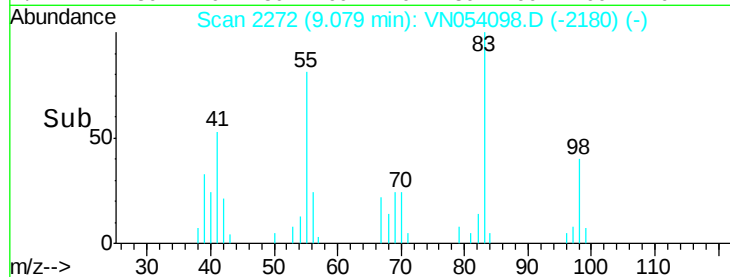
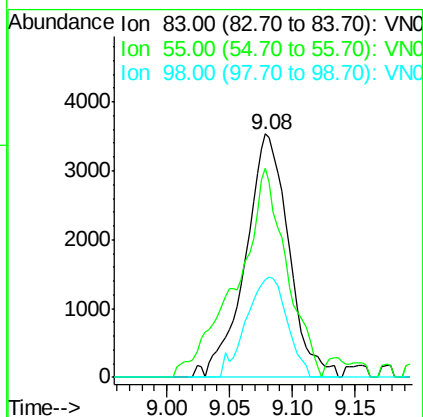
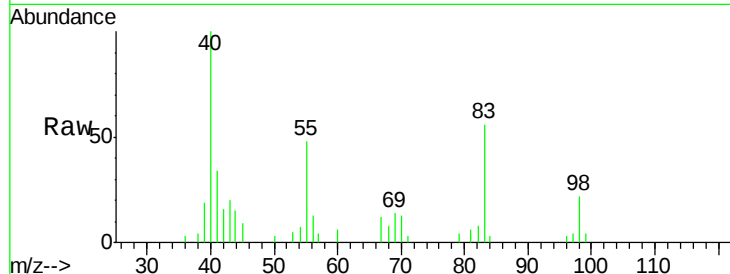




#39
Methvlcvclohexane
Concen: 0.676 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

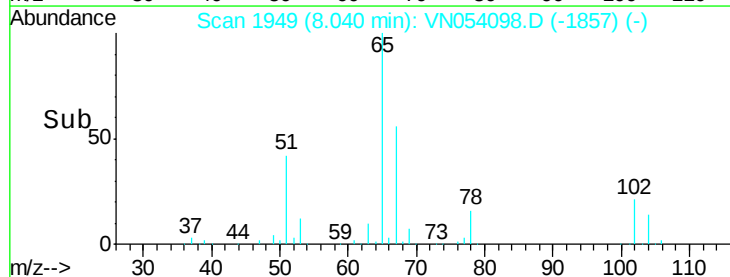
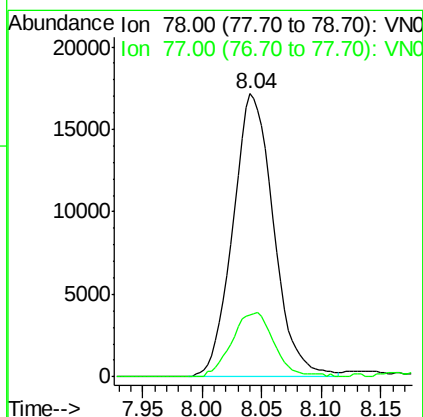
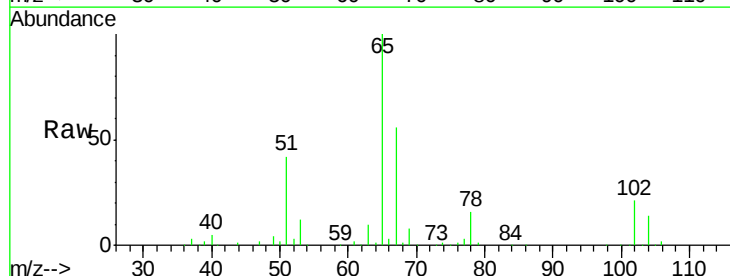
Instrument :
MSVOA_N
ClientSampleId :
TW-1

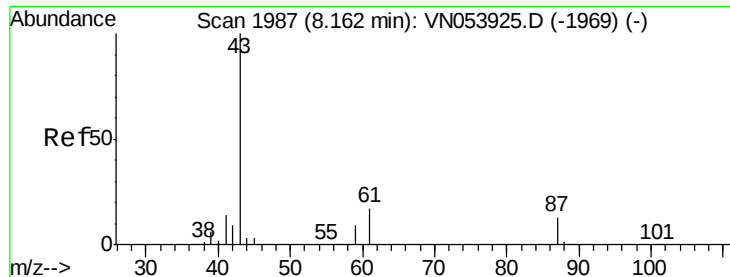
Tot Ion: 83 Resp: 8507
Ion Ratio Lower Upper
83 100
55 79.7 58.2 87.4
98 39.9 37.2 55.8



#40
Benzene
Concen: 1.272 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion: 78 Resp: 40785
Ion Ratio Lower Upper
78 100
77 22.0 18.8 28.2





#43

Isopropyl Acetate

Concen: 3.658 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

TW-1

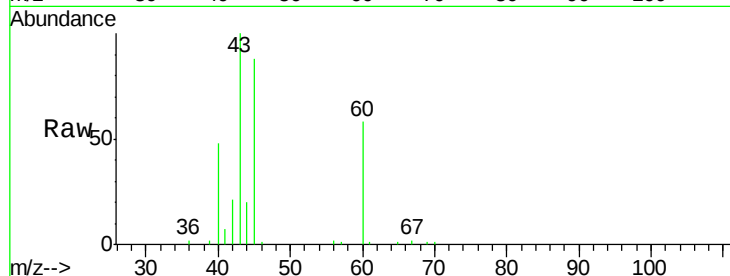
Tot Ion: 43 Resp: 46025

Ion Ratio Lower Upper

43 100

61 0.5 17.4 26.0#

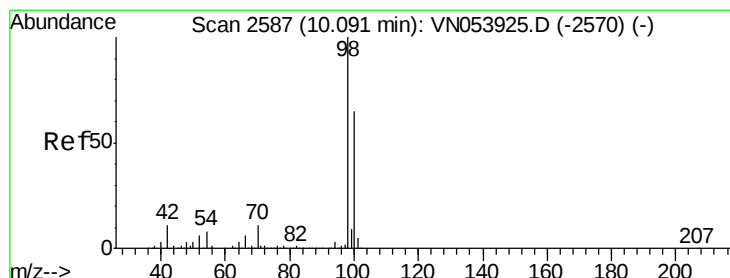
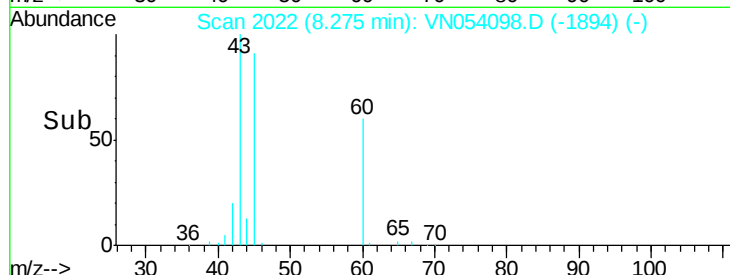
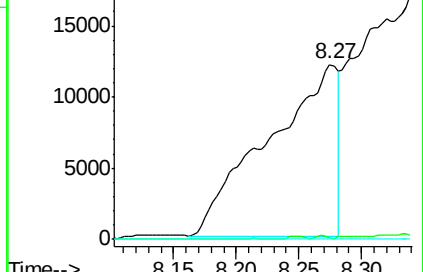
87 0.0 11.5 17.3#



Abundance Ion 43.00 (42.70 to 43.70): VN054098.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN054098.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN054098.D (-1894) (-)



#50

Toluene-d8

Concen: 52.323 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054098.D

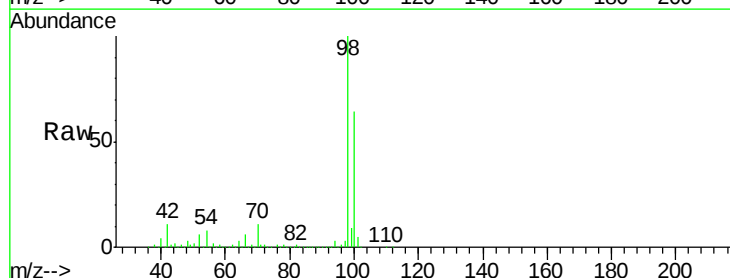
Acq: 5 Mar 2019 14:47

Tgt Ion: 98 Resp: 1413311

Ion Ratio Lower Upper

98 100

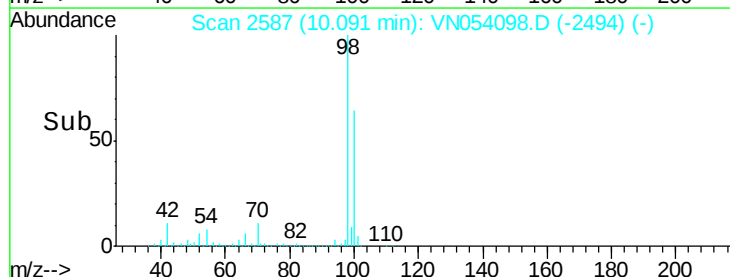
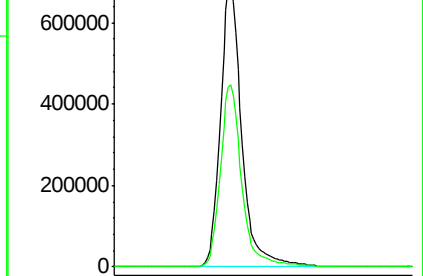
100 64.6 51.9 77.9

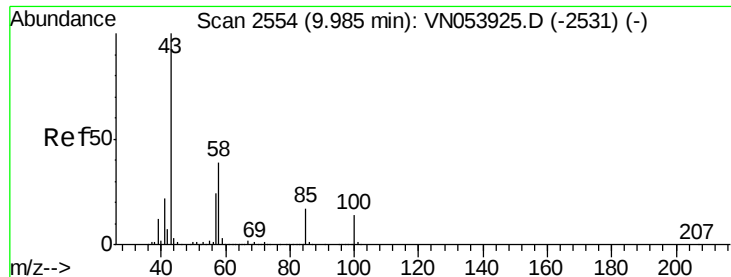


Abundance Ion 98.00 (97.70 to 98.70): VN054098.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054098.D (-2494) (-)

Ion 110.00 (109.70 to 110.70): VN054098.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.314 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

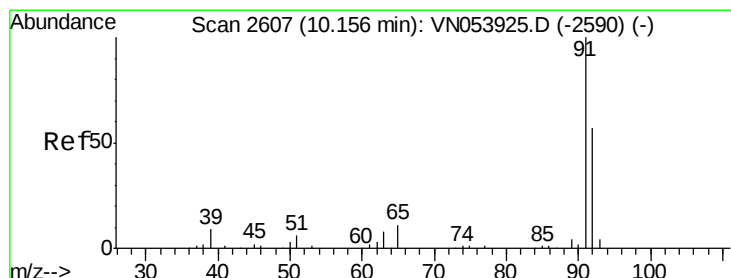
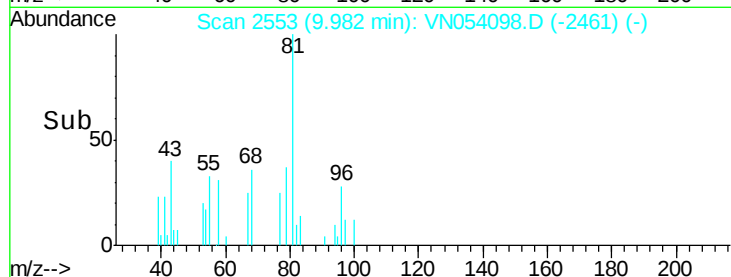
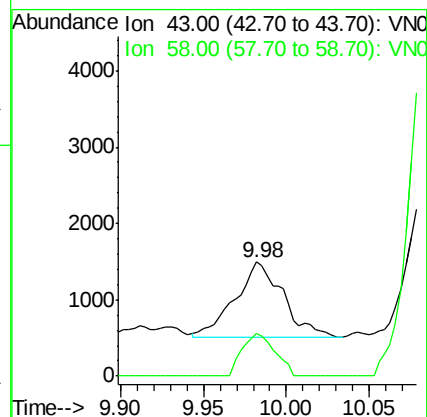
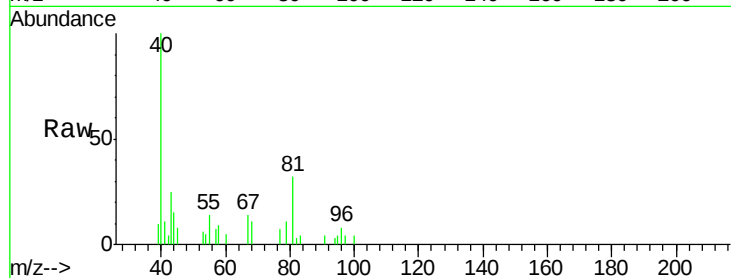
TW-1

Tot Ion: 43 Resp: 2032

Ion Ratio Lower Upper

43 100

58 37.8 32.7 49.1



#52

Toluene

Concen: 7.453 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054098.D

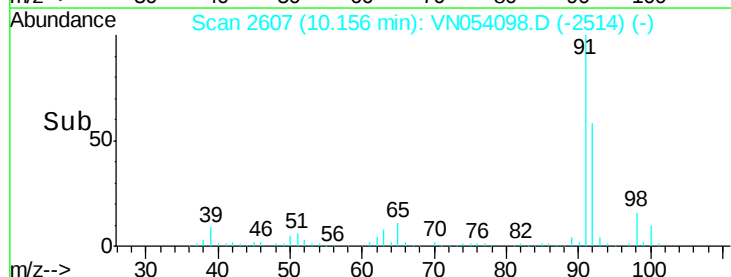
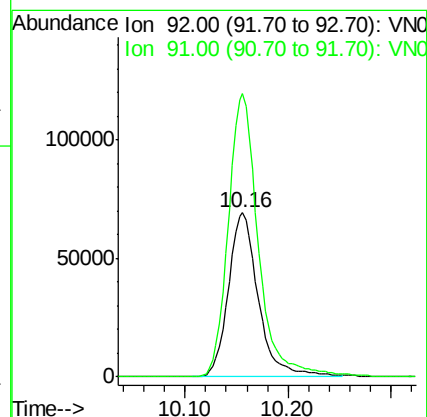
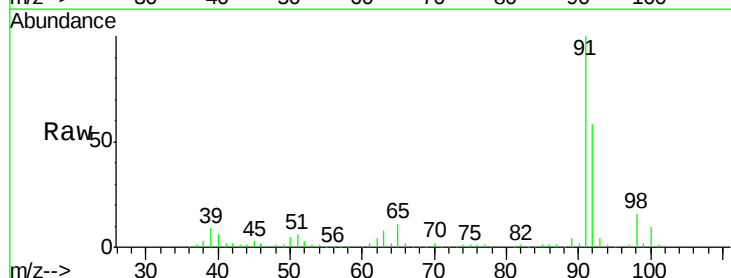
Acq: 5 Mar 2019 14:47

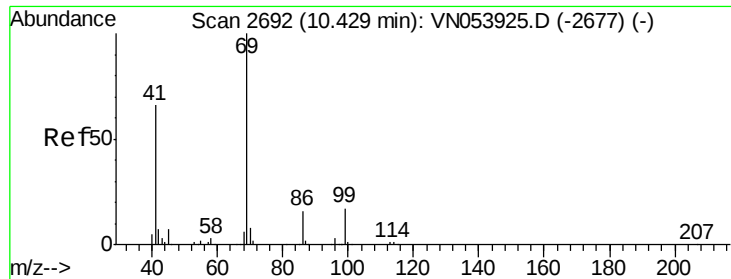
Tgt Ion: 92 Resp: 140689

Ion Ratio Lower Upper

92 100

91 173.4 138.4 207.6





#56

Ethyl methacrylate

Concen: 2.009 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

TW-1

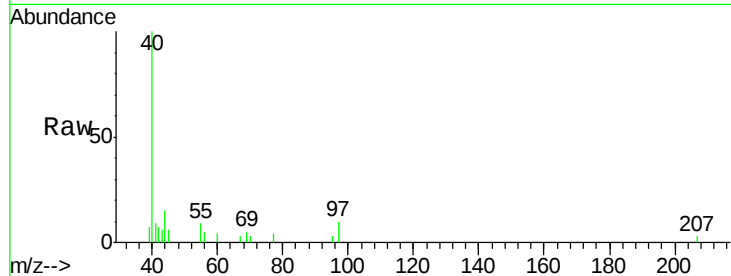
Tot Ion: 69 Resp: 520

Ion Ratio Lower Upper

69 100

41 86.7 47.5 71.3#

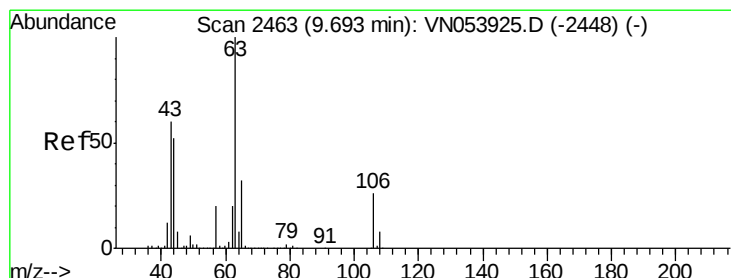
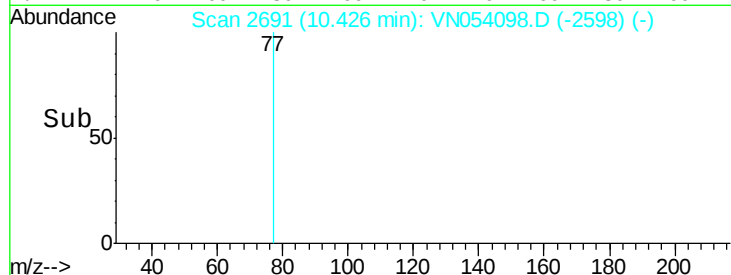
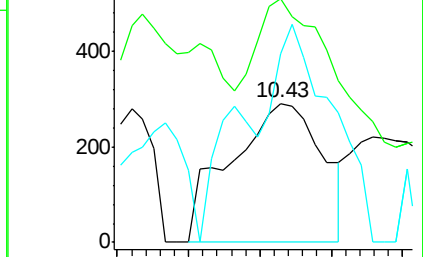
39 0.0 23.4 35.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 13.634 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.27 min

Lab File: VN054098.D

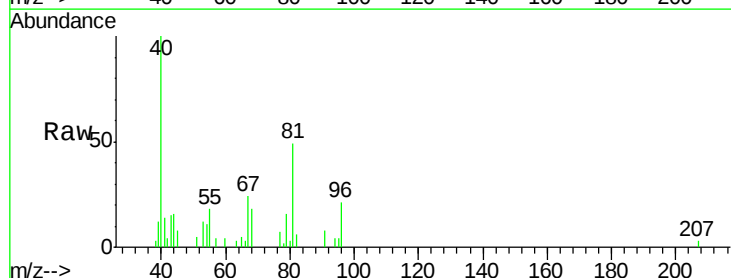
Acq: 5 Mar 2019 14:47

Tgt Ion: 63 Resp: 66

Ion Ratio Lower Upper

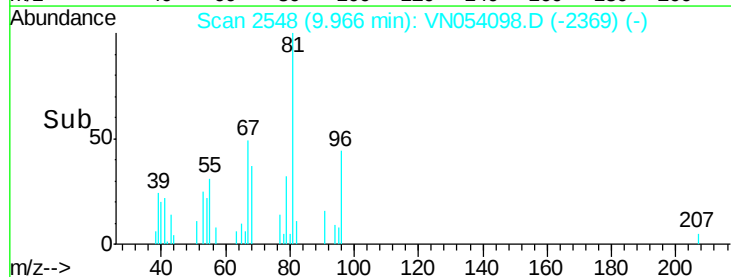
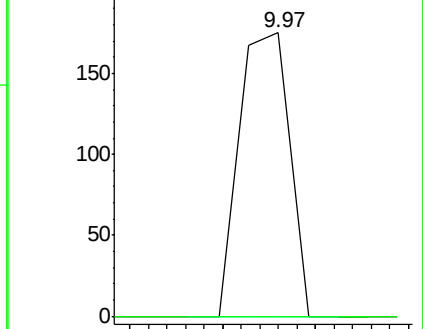
63 100

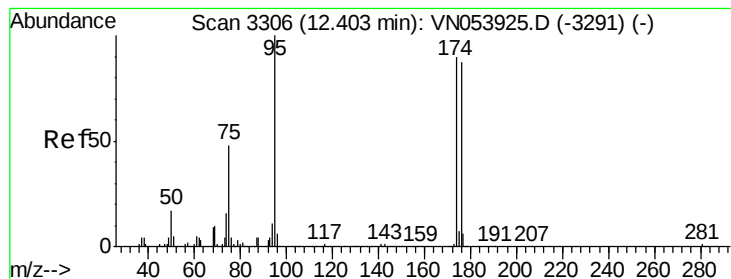
106 0.0 22.2 33.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 54.921 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

TW-1

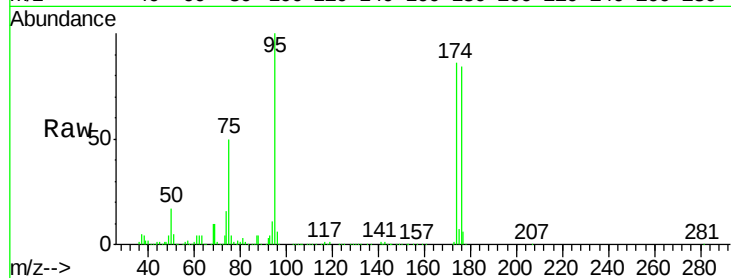
Tot Ion: 95 Resp: 494256

Ion Ratio Lower Upper

95 100

174 87.5 0.0 188.8

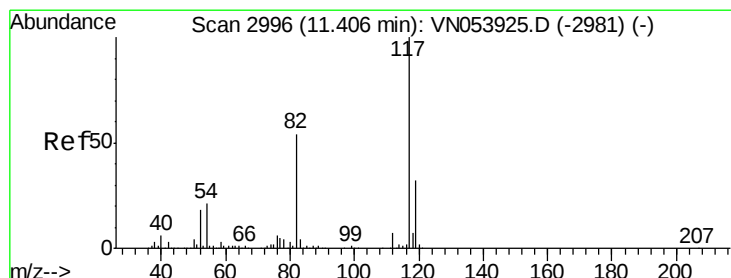
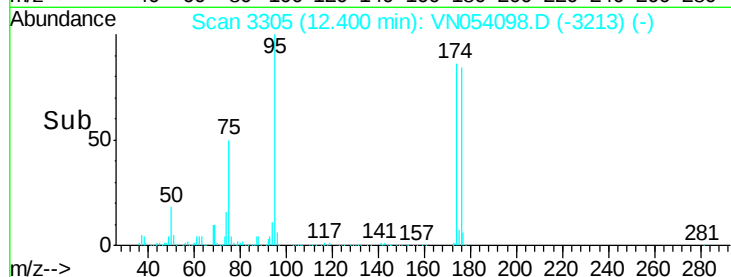
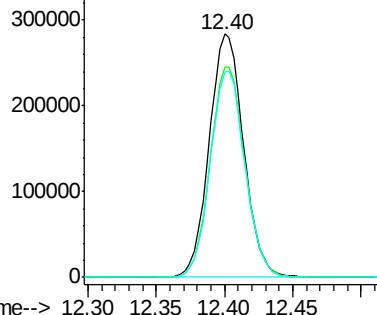
176 85.5 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053925.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053925.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053925.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

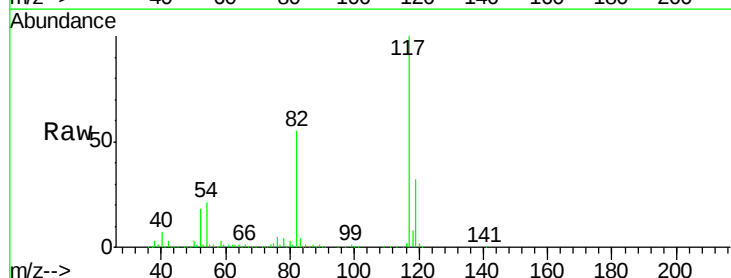
Tgt Ion: 117 Resp: 1083321

Ion Ratio Lower Upper

117 100

82 54.9 41.4 62.2

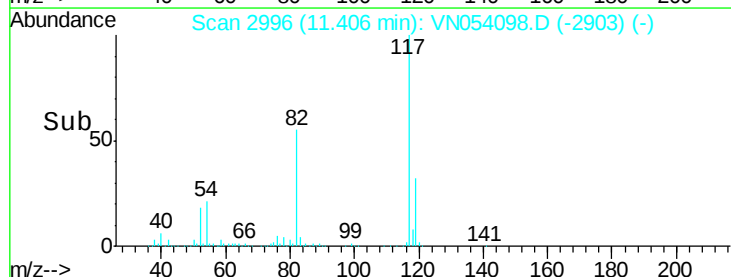
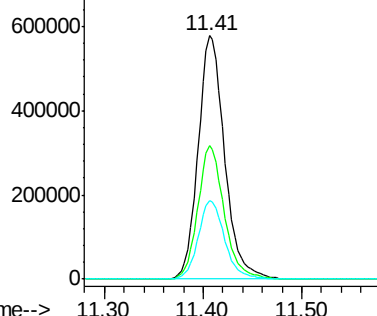
119 32.1 25.3 37.9

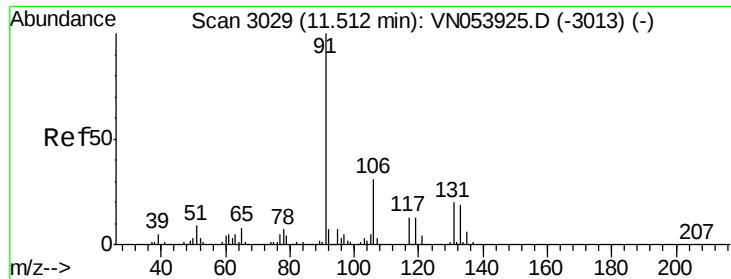


Abundance Ion 116.90 (116.60 to 117.60): VN053925.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053925.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053925.D (-2981) (-)

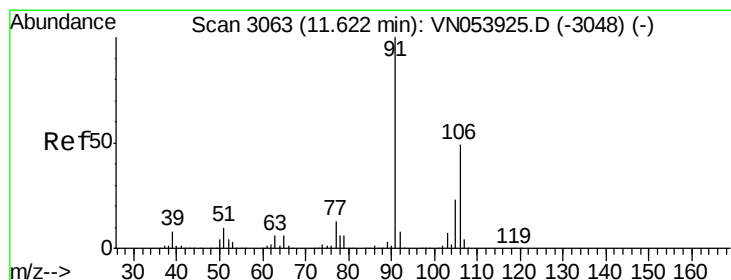
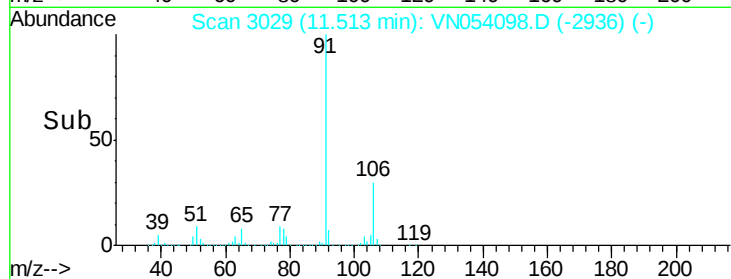
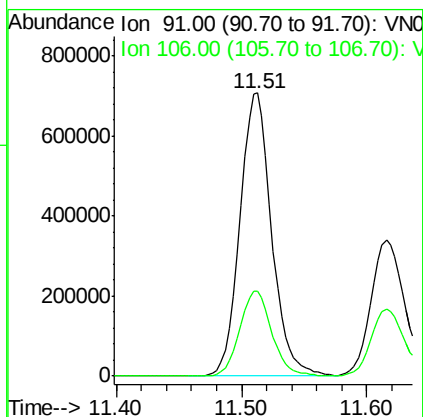
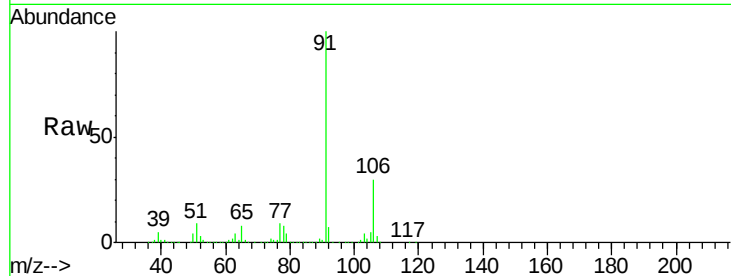




#67
Ethyl Benzene
Concen: 32.449 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

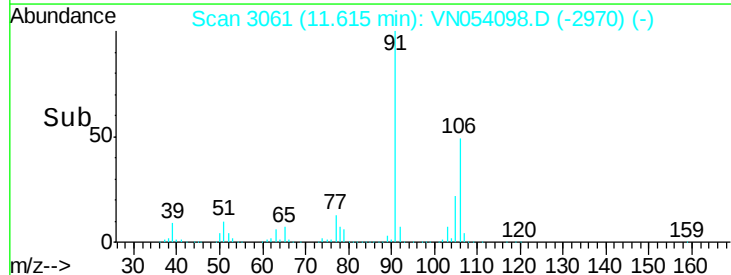
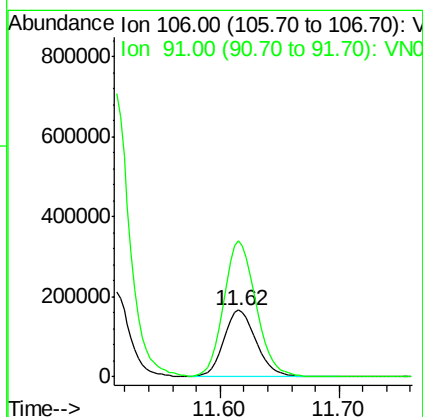
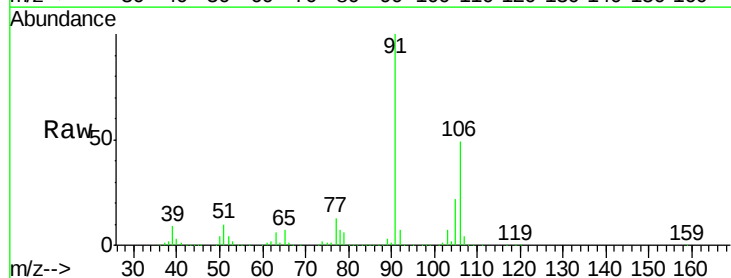
Instrument :
MSVOA_N
ClientSampled :
TW-1

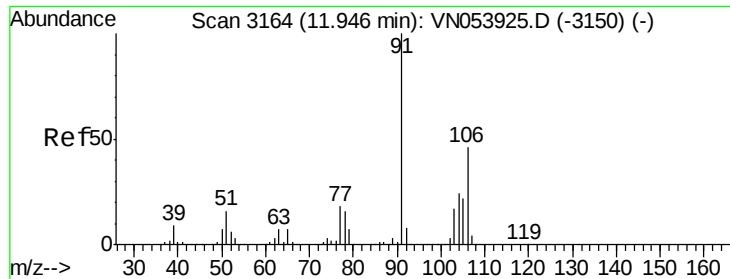
Tot Ion: 91 Resp: 1243704
Ion Ratio Lower Upper
91 100
106 30.0 25.2 37.8



#68
m/p-Xylenes
Concen: 21.895 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion: 106 Resp: 316734
Ion Ratio Lower Upper
106 100
91 201.8 158.9 238.3

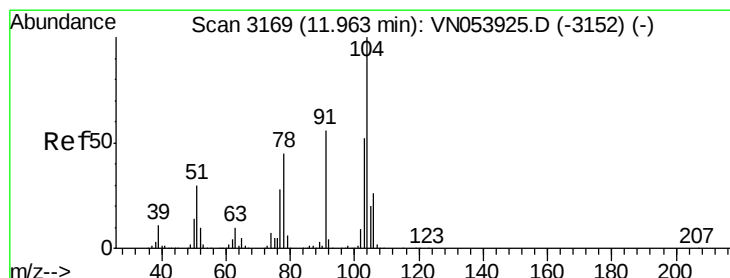
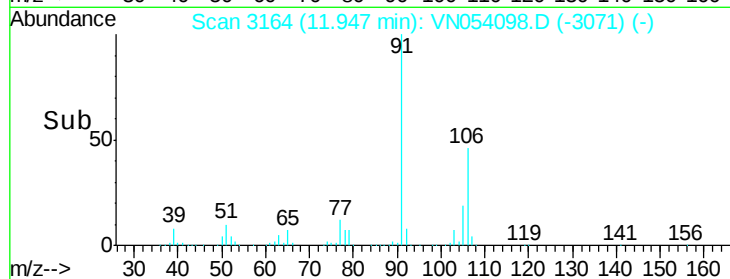
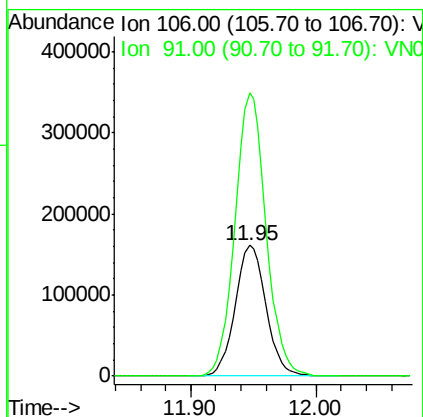
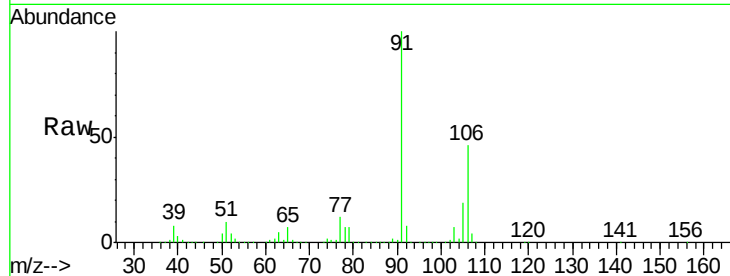




#69
o-Xylene
Concen: 19.313 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

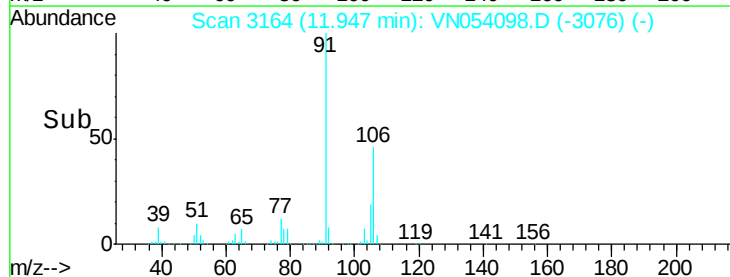
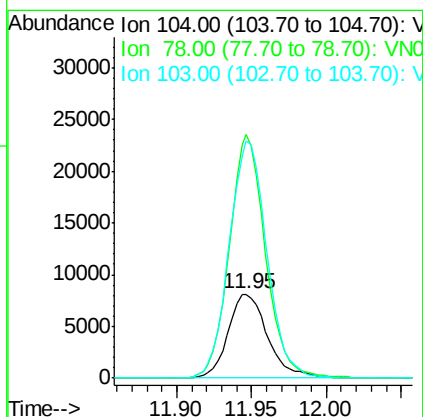
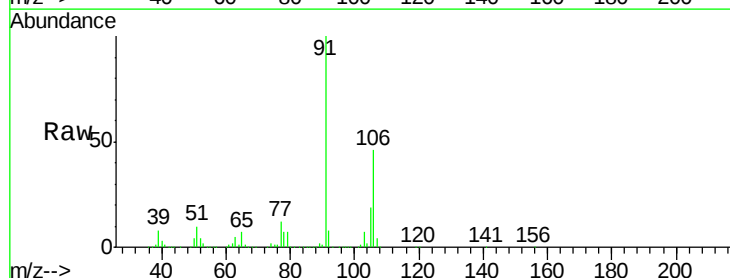
Instrument :
MSVOA_N
ClientSampled :
TW-1

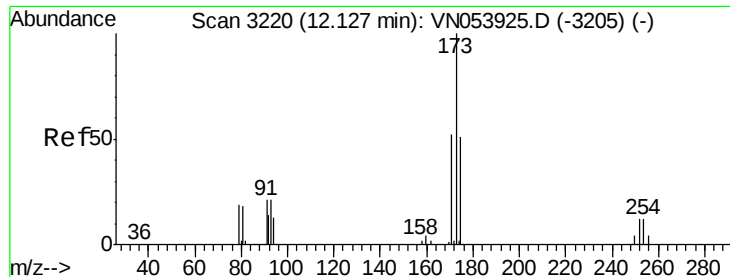
Tot Ion:106 Resp: 274512
Ion Ratio Lower Upper
106 100
91 218.0 106.0 318.0



#70
Styrene
Concen: 0.683 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion:104 Resp: 14924
Ion Ratio Lower Upper
104 100
78 265.6 38.1 57.1#
103 269.6 44.6 67.0#





#71

Bromoform

Concen: 0.623 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

TW-1

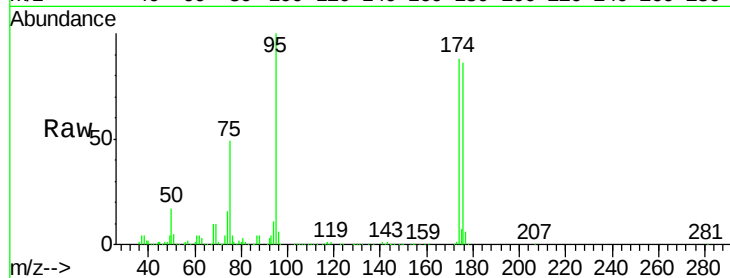
Tot Ion:173 Resp: 3573

Ion Ratio Lower Upper

173 100

175 804.6 24.3 72.8#

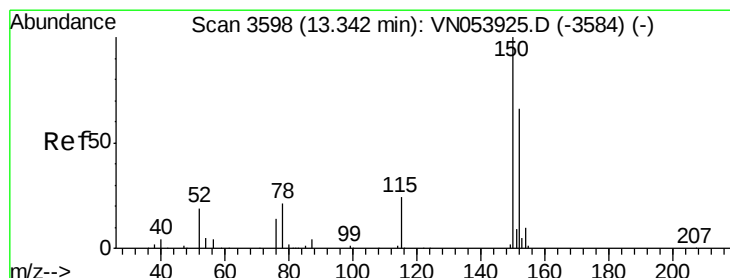
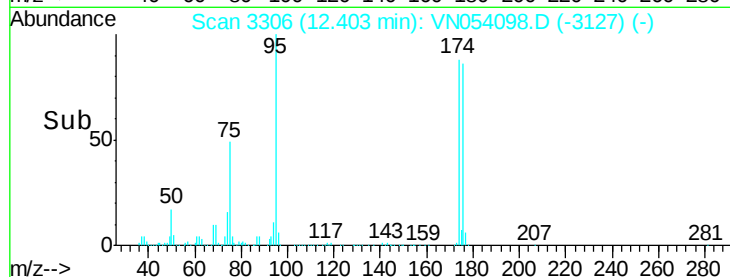
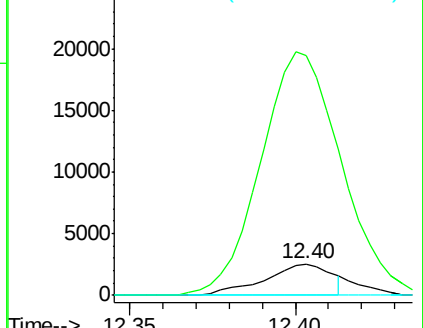
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

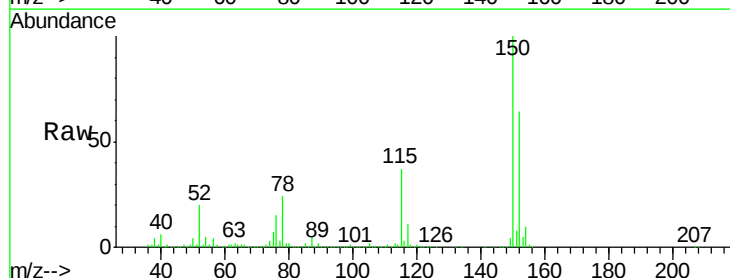
Tgt Ion:152 Resp: 437571

Ion Ratio Lower Upper

152 100

115 71.1 27.2 81.6

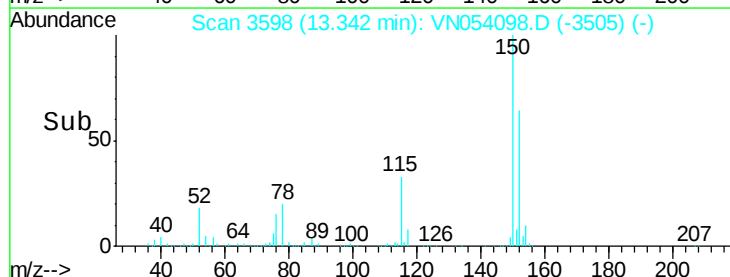
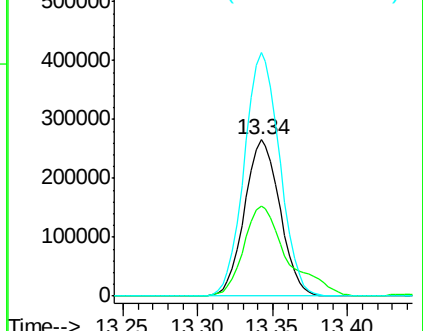
150 156.5 0.0 348.2

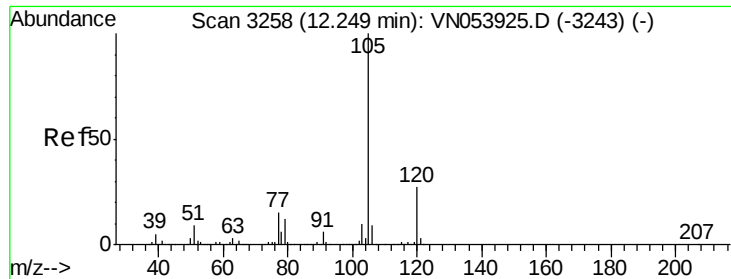


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.980 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

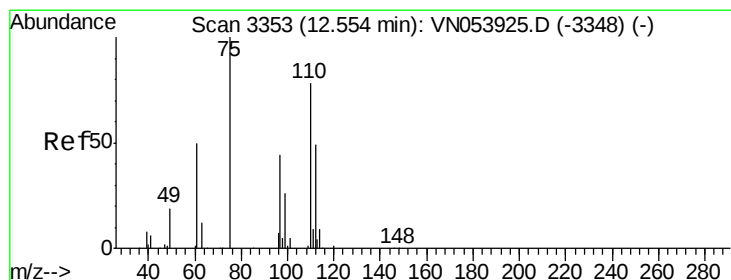
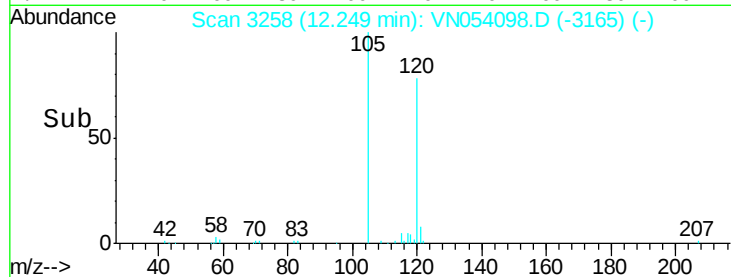
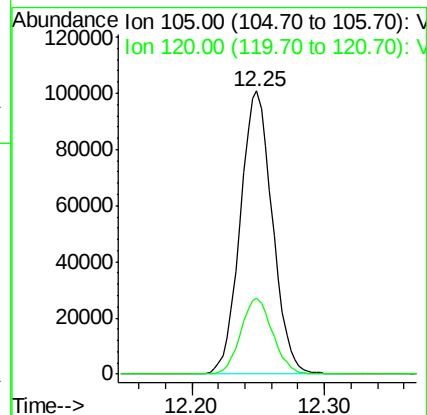
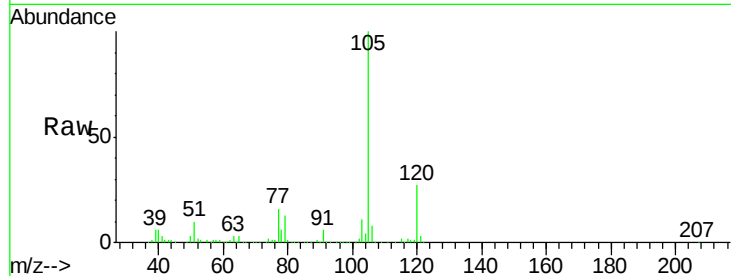
TW-1

Tot Ion:105 Resp: 169615

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



#76

1,2,3-Trichloropropane

Concen: 34.375 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054098.D

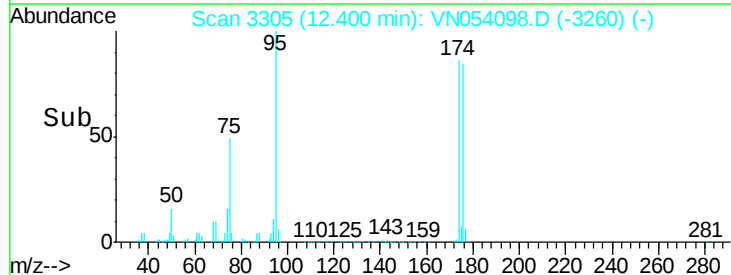
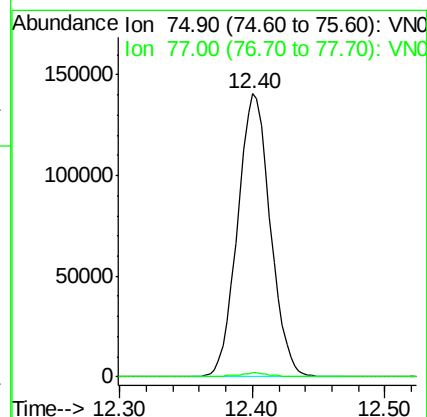
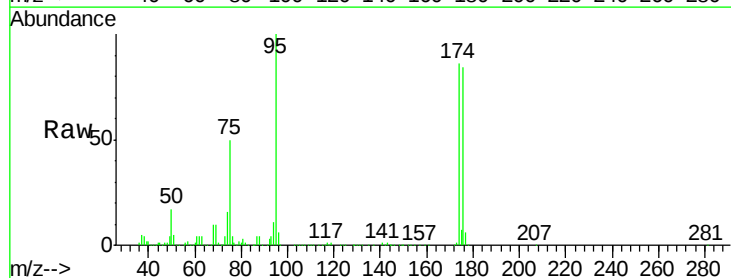
Acq: 5 Mar 2019 14:47

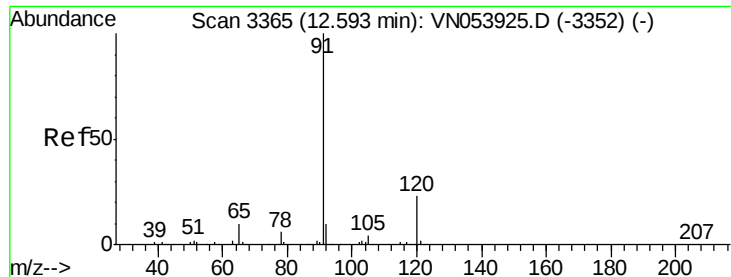
Tgt Ion: 75 Resp: 241293

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#78

n-propylbenzene

Concen: 11.177 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

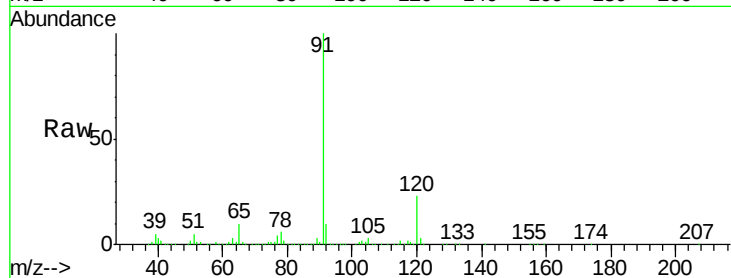
TW-1

Tot Ion: 91 Resp: 432982

Ion Ratio Lower Upper

91 100

120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

250000

200000

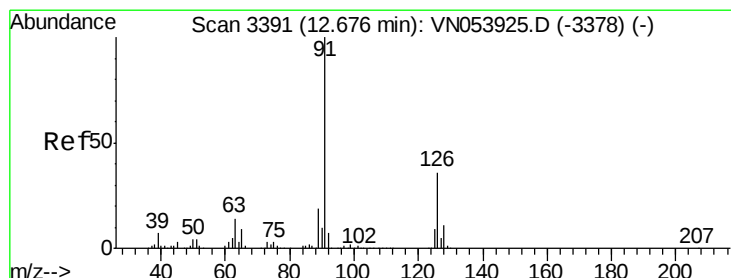
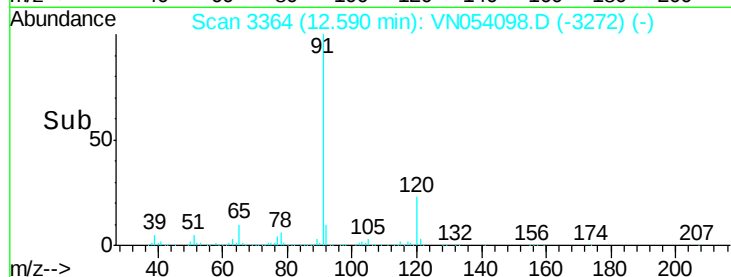
150000

100000

50000

0

Time--> 12.50 12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 1.056 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054098.D

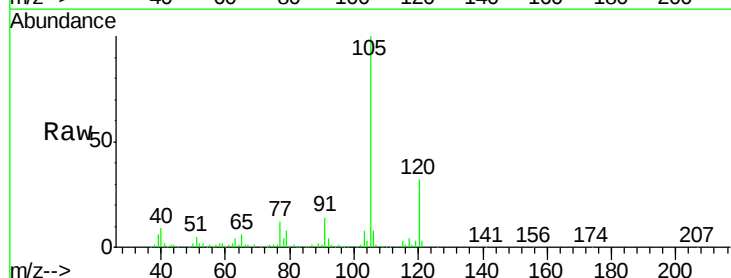
Acq: 5 Mar 2019 14:47

Tgt Ion: 91 Resp: 24565

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.65

250000

200000

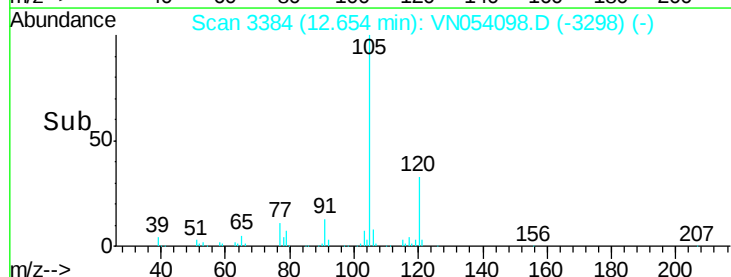
150000

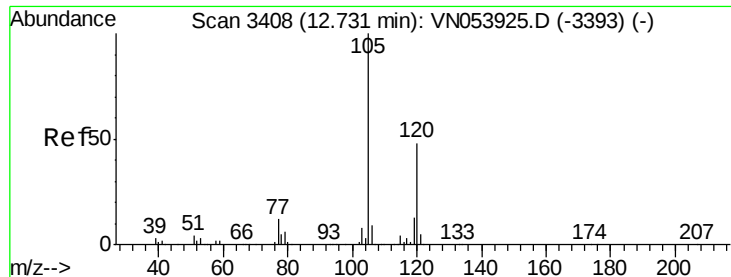
100000

50000

0

Time--> 12.60 12.65 12.70





#80

1,3,5-Trimethylbenzene

Concen: 7.053 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

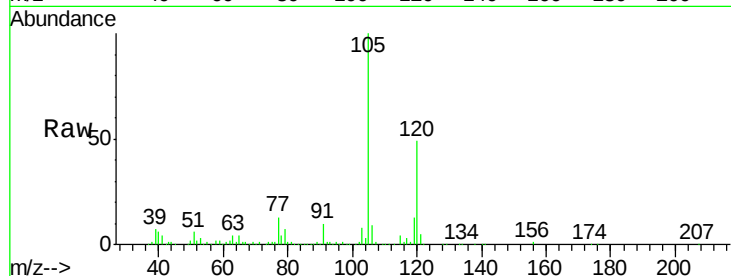
TW-1

Tot Ion:105 Resp: 196676

Ion Ratio Lower Upper

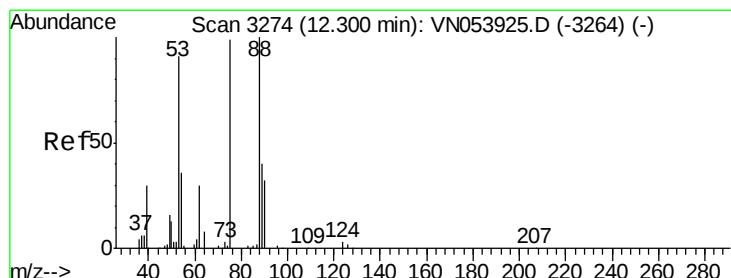
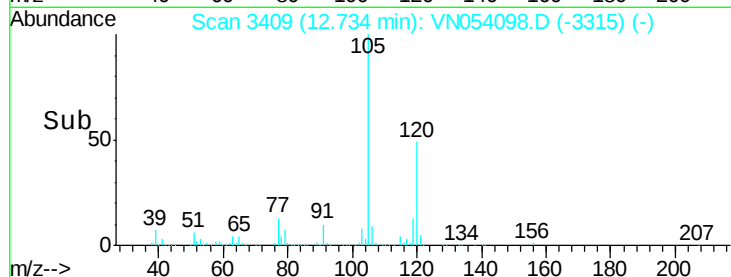
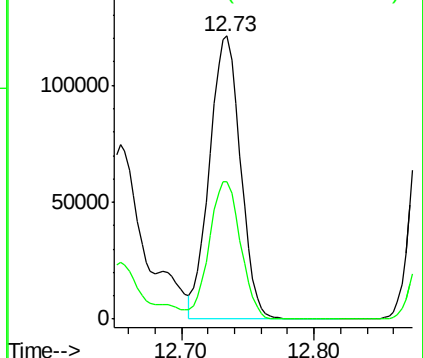
105 100

120 49.2 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 108.647 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

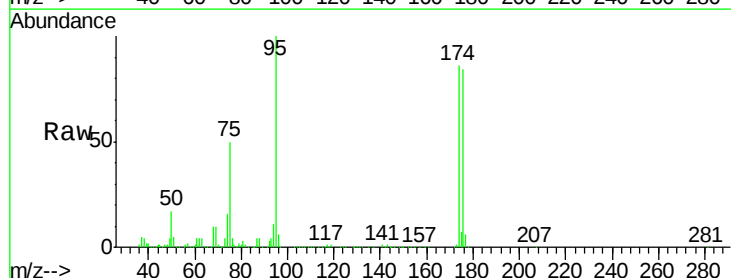
Tgt Ion: 75 Resp: 241293

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

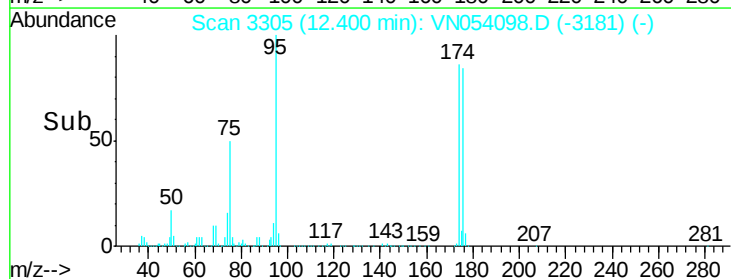
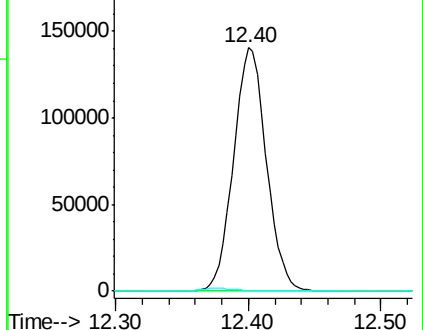
89 0.0 35.3 52.9#

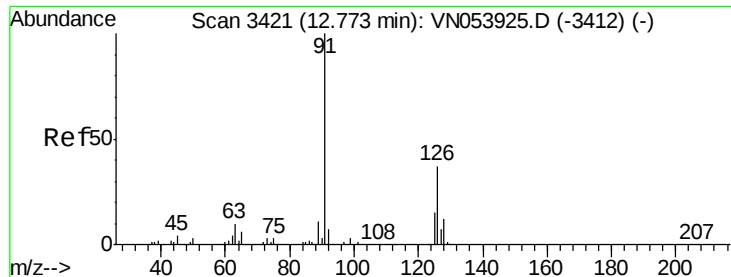


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

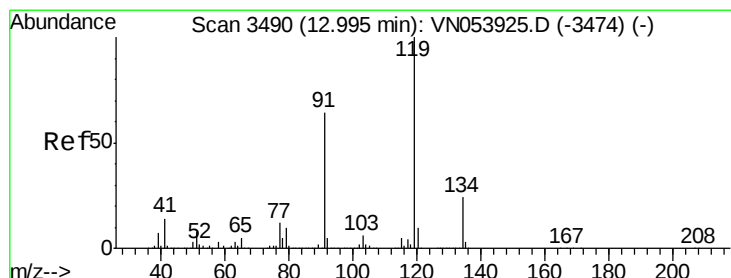
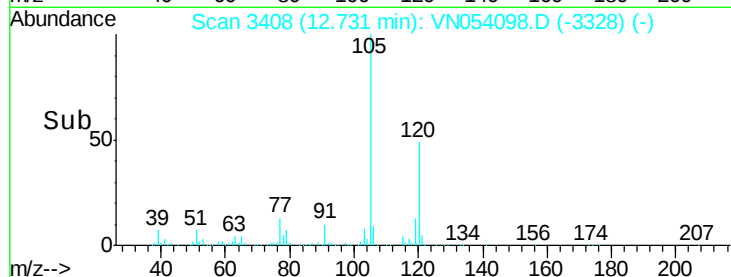
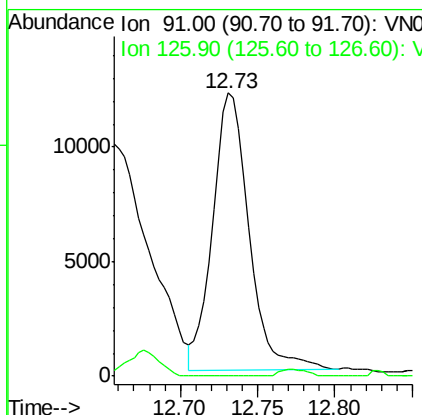
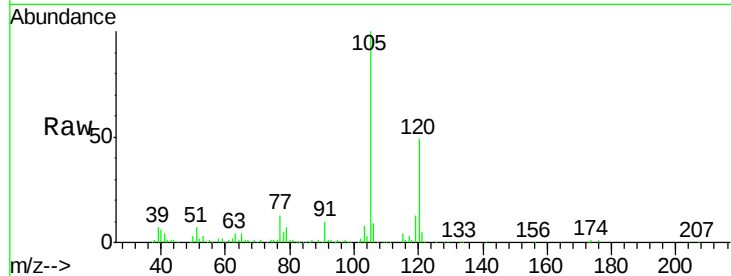




#82
4-Chlorotoluene
Concen: 0.860 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

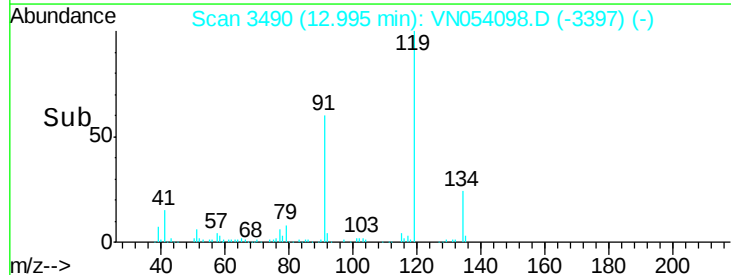
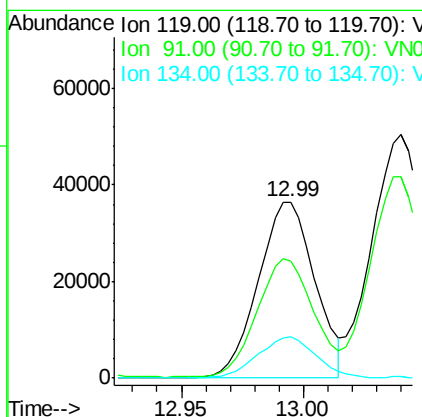
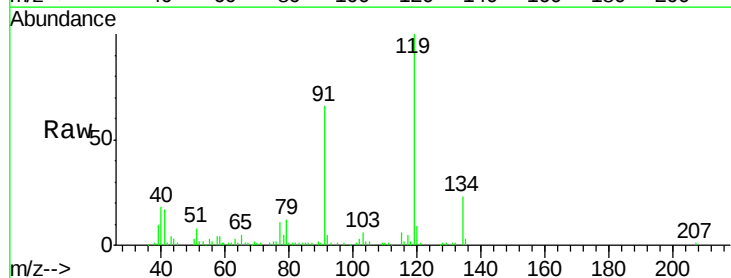
Instrument :
MSVOA_N
ClientSampleId :
TW-1

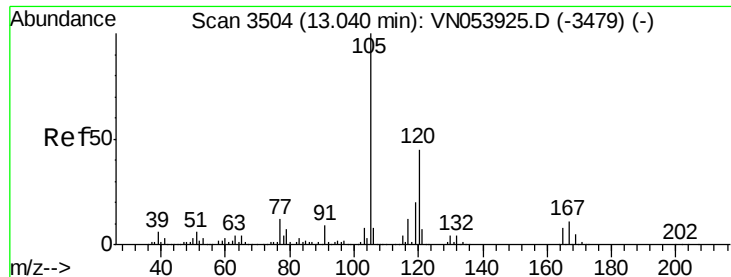
Tot Ion: 91 Resp: 19769
Ion Ratio Lower Upper
91 100
126 0.0 18.0 54.0#



#83
tert-Butylbenzene
Concen: 2.381 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion: 119 Resp: 58711
Ion Ratio Lower Upper
119 100
91 67.2 30.6 91.8
134 24.3 13.0 39.0

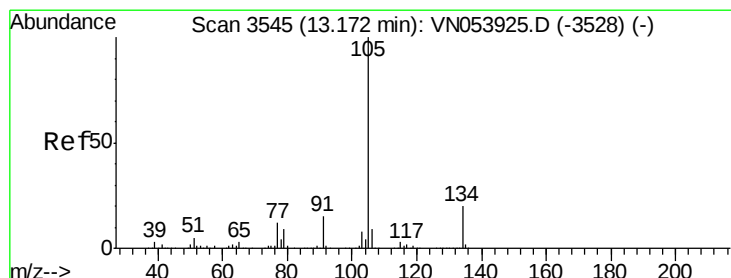
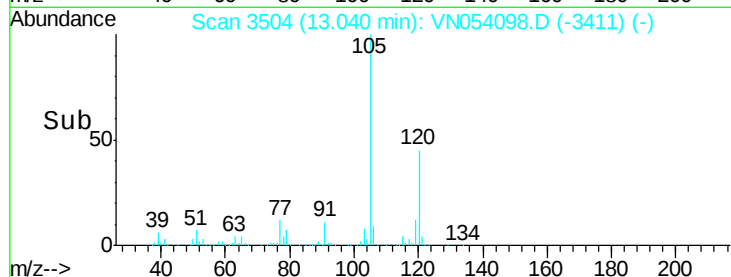
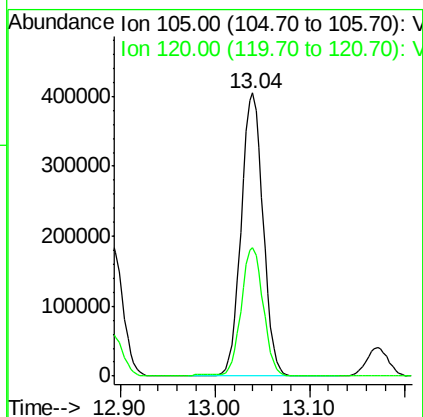
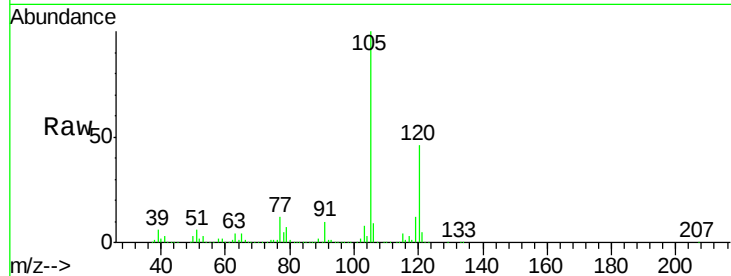




#84
 1,2,4-Trimethylbenzene
 Concen: 23.218 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

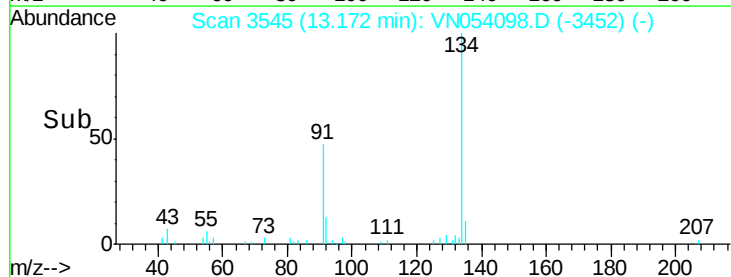
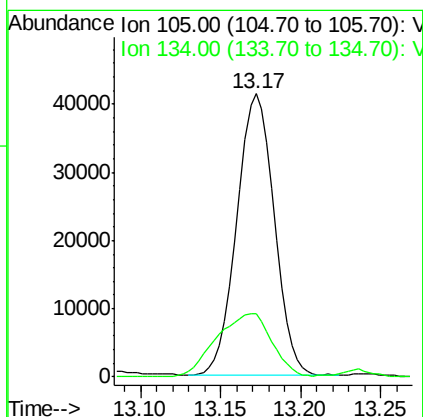
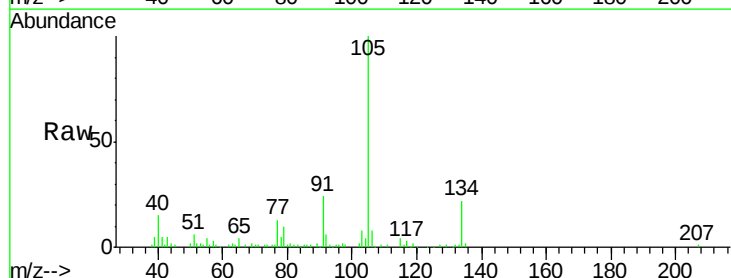
Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

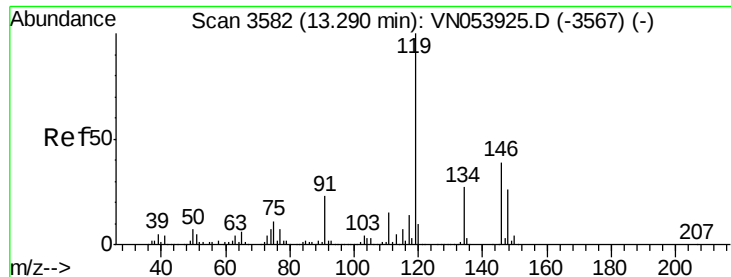
Tot Ion:105 Resp: 646367
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.2 69.5



#85
 sec-Butylbenzene
 Concen: 1.953 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

Tgt Ion:105 Resp: 65784
 Ion Ratio Lower Upper
 105 100
 134 33.6 10.4 31.1#

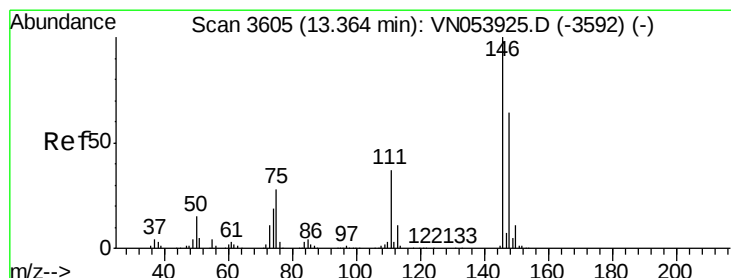
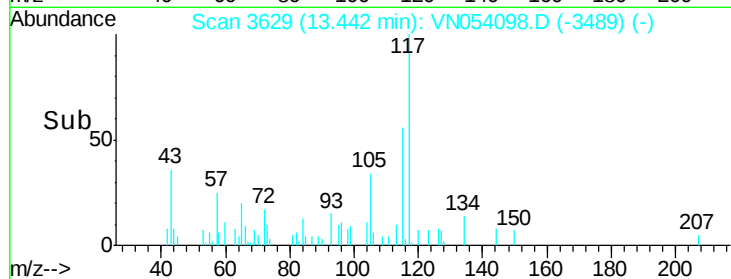
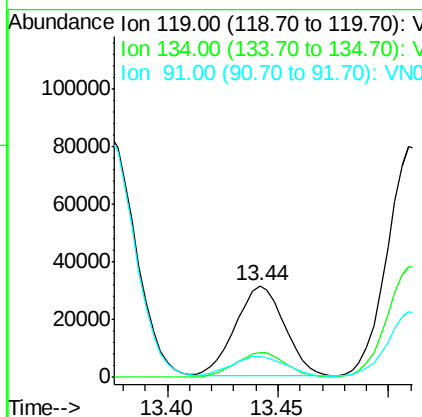
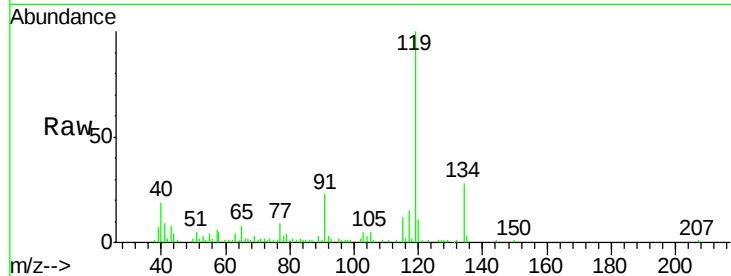




#86
 p-Isopropyltoluene
 Concen: 1.694 ug/l
 RT: 13.44 min Scan# 3629
 Delta R.T. 0.15 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

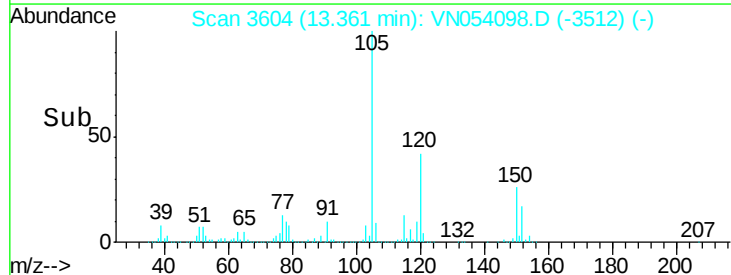
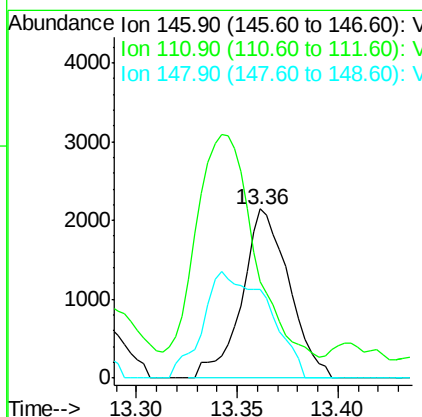
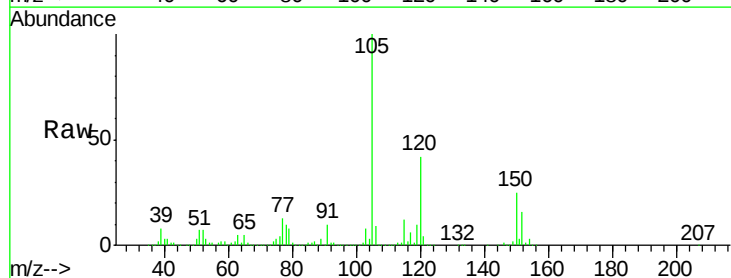
Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

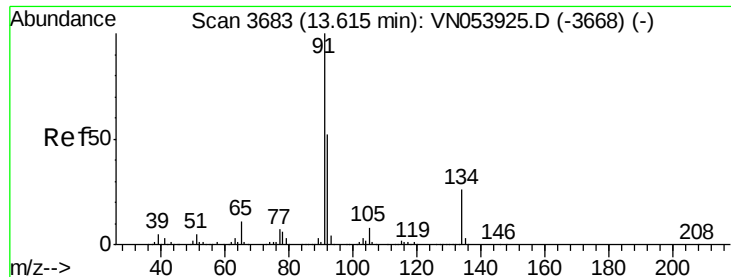
Tot Ion:119 Resp: 48228
 Ion Ratio Lower Upper
 119 100
 134 28.8 13.5 40.4
 91 24.1 10.9 32.6



#88
 1,4-Dichlorobenzene
 Concen: 0.241 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

Tgt Ion:146 Resp: 3492
 Ion Ratio Lower Upper
 146 100
 111 171.1 18.0 54.0#
 148 87.0 32.1 96.5

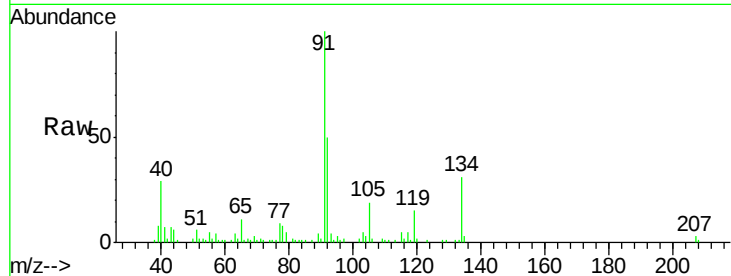




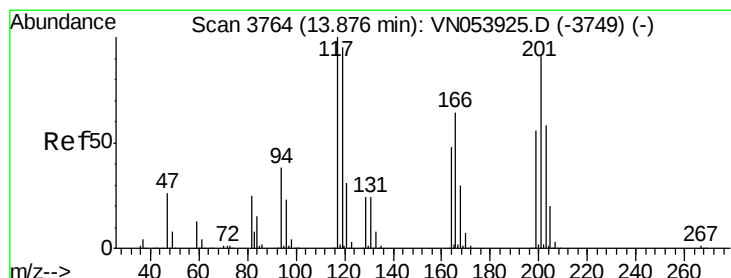
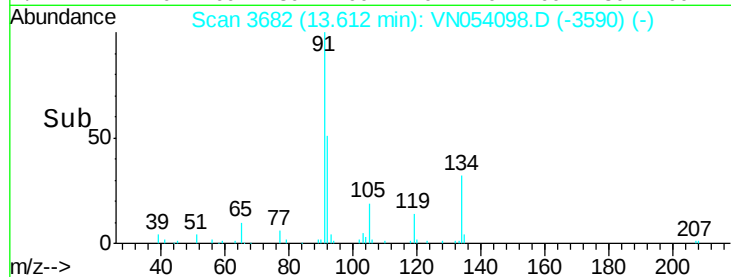
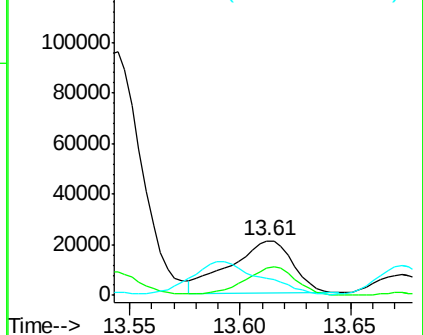
#89
n-Butylbenzene
Concen: 1.705 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion: 91 Resp: 40920
Ion Ratio Lower Upper
91 100
92 43.8 26.1 78.2
134 0.0 13.6 40.8#

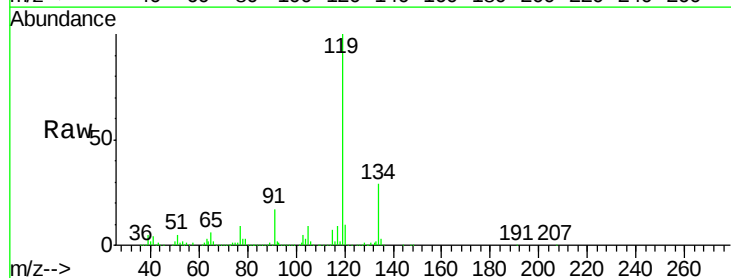


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

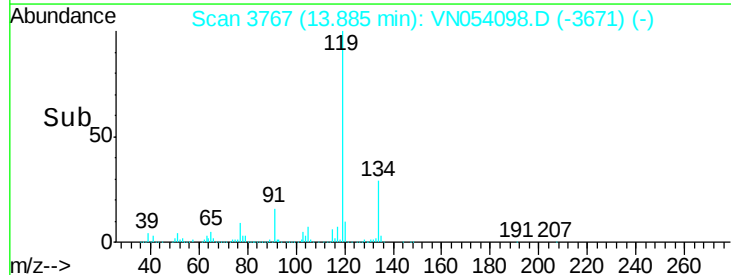
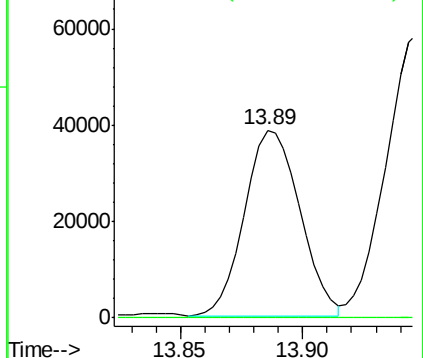


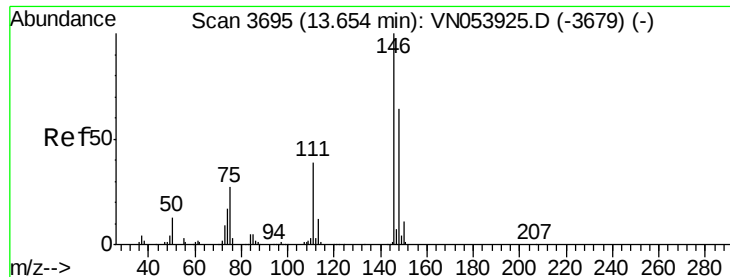
#90
Hexachloroethane
Concen: 10.956 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.01 min
Lab File: VN054098.D
Acq: 5 Mar 2019 14:47

Tgt Ion: 117 Resp: 60460
Ion Ratio Lower Upper
117 100
201 0.0 48.0 144.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.573 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

TW-1

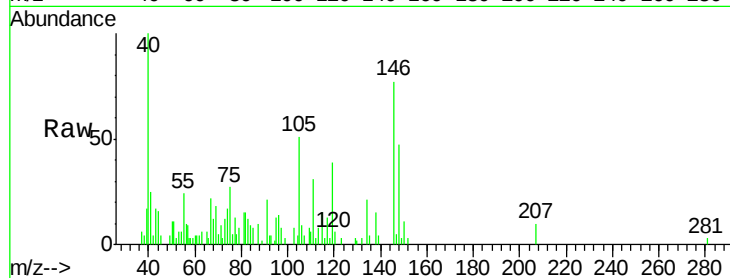
Tot Ion:146 Resp: 8295

Ion Ratio Lower Upper

146 100

111 51.9 19.1 57.5

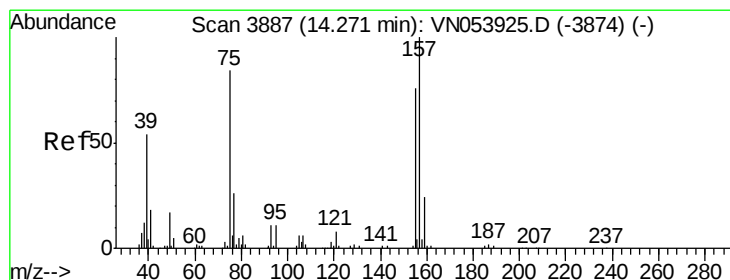
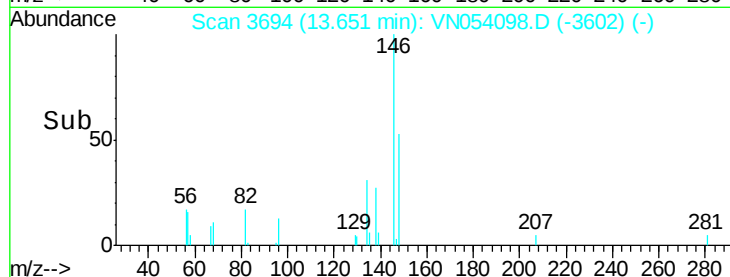
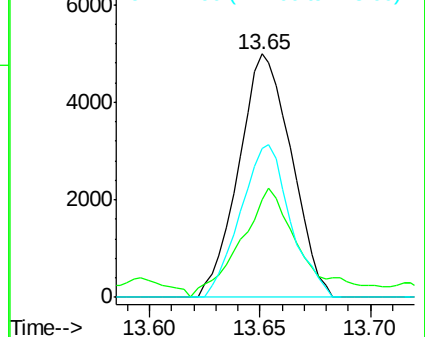
148 59.3 32.1 96.5



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: 0.411 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.03 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

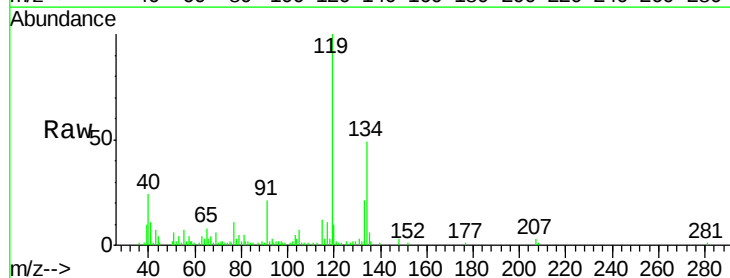
Tgt Ion: 75 Resp: 495

Ion Ratio Lower Upper

75 100

155 0.0 49.5 148.5#

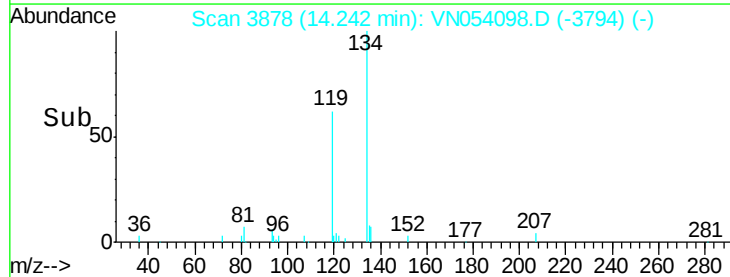
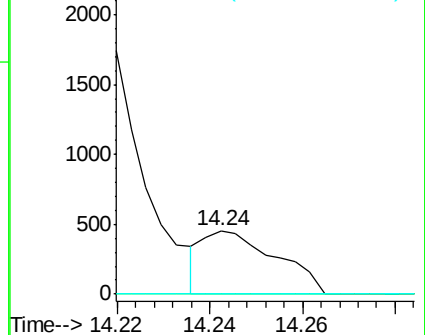
157 0.0 64.8 194.6#

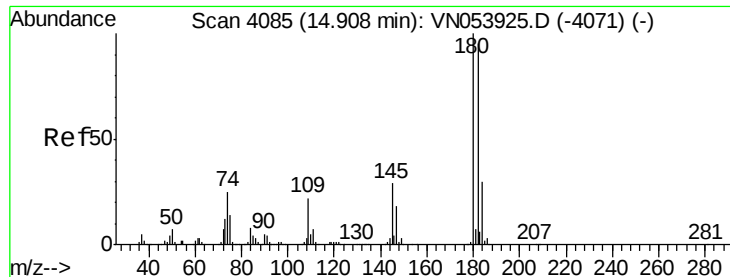


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.345 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

TW-1

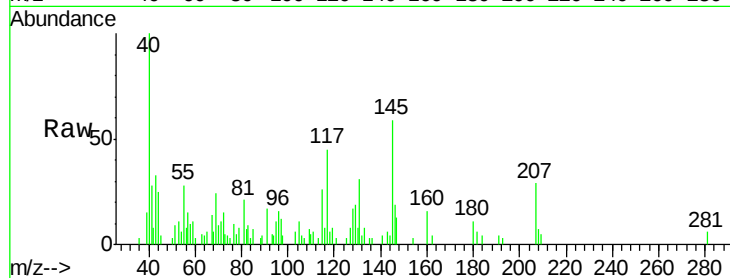
Tot Ion:180 Resp: 1030

Ion Ratio Lower Upper

180 100

182 59.2 48.6 145.9

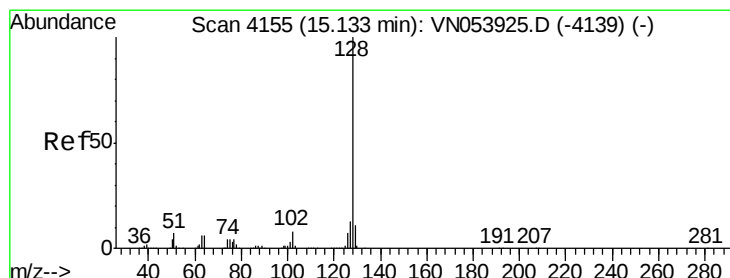
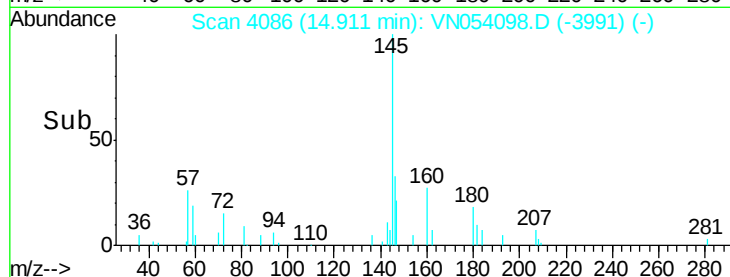
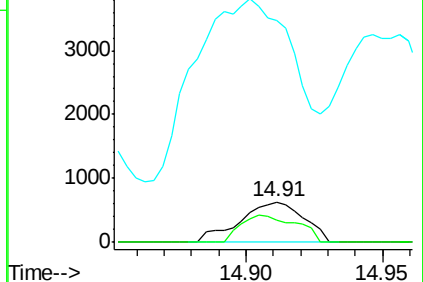
145 1019.8 13.8 41.3#



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: 4.170 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054098.D

Acq: 5 Mar 2019 14:47

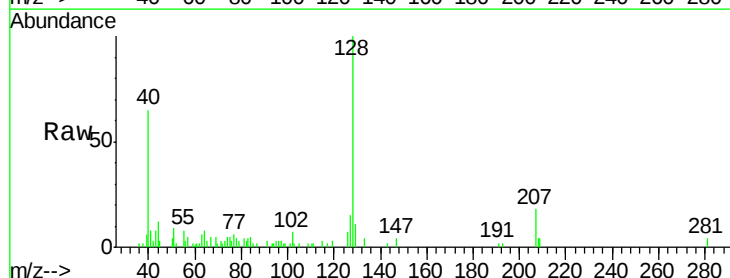
Tgt Ion:128 Resp: 17739

Ion Ratio Lower Upper

128 100

127 15.7 10.2 15.2#

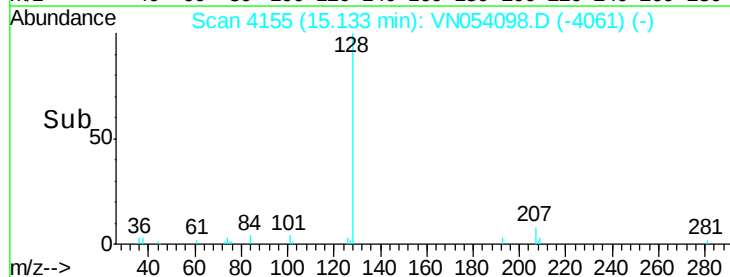
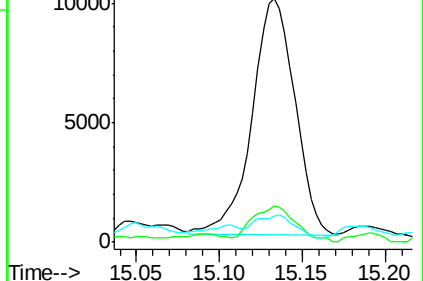
129 8.7 8.6 12.8

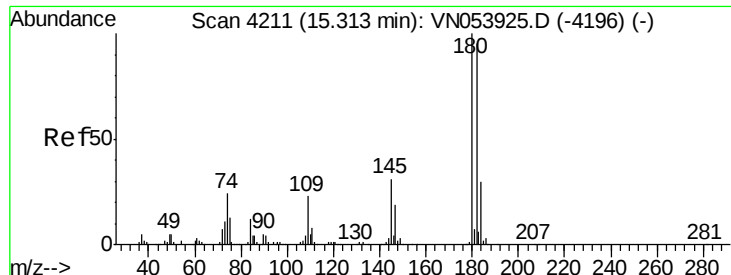


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

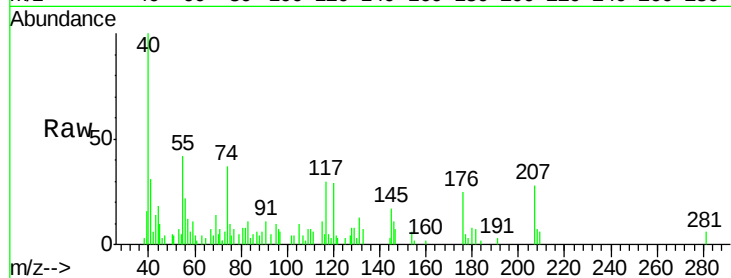




#96
 1,2,3-Trichlorobenzene
 Concen: 1.655 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN054098.D
 Acq: 5 Mar 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.3	141.8
145	660.9	14.4	43.0



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

