

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054039.D
 Acq On : 1 Mar 2019 19:42
 Operator : JC/SP
 Sample : K1675-44
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z-3-14-B

Quant Time: Mar 02 04:46:52 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	615894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1149710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1120442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	400834	55.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.04%	
35) Dibromofluoromethane	7.59	113	357426	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	10.09	98	1460314	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.40	95	492970	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds

					Qvalue
8) Diethyl Ether	3.41	74	2203	0.584 ug/l	81
11) Tert butyl alcohol	4.77	59	203	0.444 ug/l #	73
16) Acetone	3.82	43	13148	Below Cal	93
18) Methyl Acetate	4.33	43	4220	0.836 ug/l #	83
20) Methylene Chloride	4.56	84	69038	9.662 ug/l	89
25) 2-Butanone	6.84	43	1540	0.543 ug/l #	47
29) Tetrahydrofuran	7.22	42	746	0.395 ug/l #	50
30) Chloroform	7.37	83	4645	0.380 ug/l	88
31) Cyclohexane	7.67	56	12109	0.644 ug/l #	1
36) 1,1-Dichloropropene	7.66	75	44017	4.117 ug/l #	47
38) Carbon Tetrachloride	7.67	117	53898	4.847 ug/l #	16
43) Isopropyl Acetate	8.17	43	31879	2.473 ug/l	93
45) 1,2-Dichloropropane	9.26	63	2349	0.265 ug/l #	44
48) Methyl methacrylate	9.18	41	12226	2.062 ug/l #	12
49) 1,4-Dioxane	9.27	88	96	1.195 ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	11166	1.686 ug/l #	34
52) Toluene	10.16	92	18491	0.956 ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	76657	6.164 ug/l #	68
56) Ethyl methacrylate	10.54	69	1609	2.118 ug/l #	1
57) 1,3-Dichloropropane	10.77	76	15107	1.238 ug/l #	44
59) 2-Hexanone	10.76	43	221634	51.447 ug/l #	48
67) Ethyl Benzene	11.51	91	28290	0.714 ug/l	95
68) m/p-Xylenes	11.62	106	45963	3.072 ug/l	97
69) o-Xylene	11.95	106	18330	1.247 ug/l	89
71) Bromoform	12.40	173	3663	0.618 ug/l #	1
74) N-amyl acetate	11.88	43	23682	2.795 ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	239683	35.977 ug/l #	100
78) n-propylbenzene	12.59	91	22134	0.602 ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	47869	1.809 ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	239683	113.711 ug/l #	15
83) tert-Butylbenzene	13.04	119	17472	0.746 ug/l #	67
84) 1,2,4-Trimethylbenzene	13.04	105	137129	5.190 ug/l	98
85) sec-Butylbenzene	13.04	105	137129	4.289 ug/l #	56
90) Hexachloroethane	13.89	117	2259	0.431 ug/l #	2

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Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration

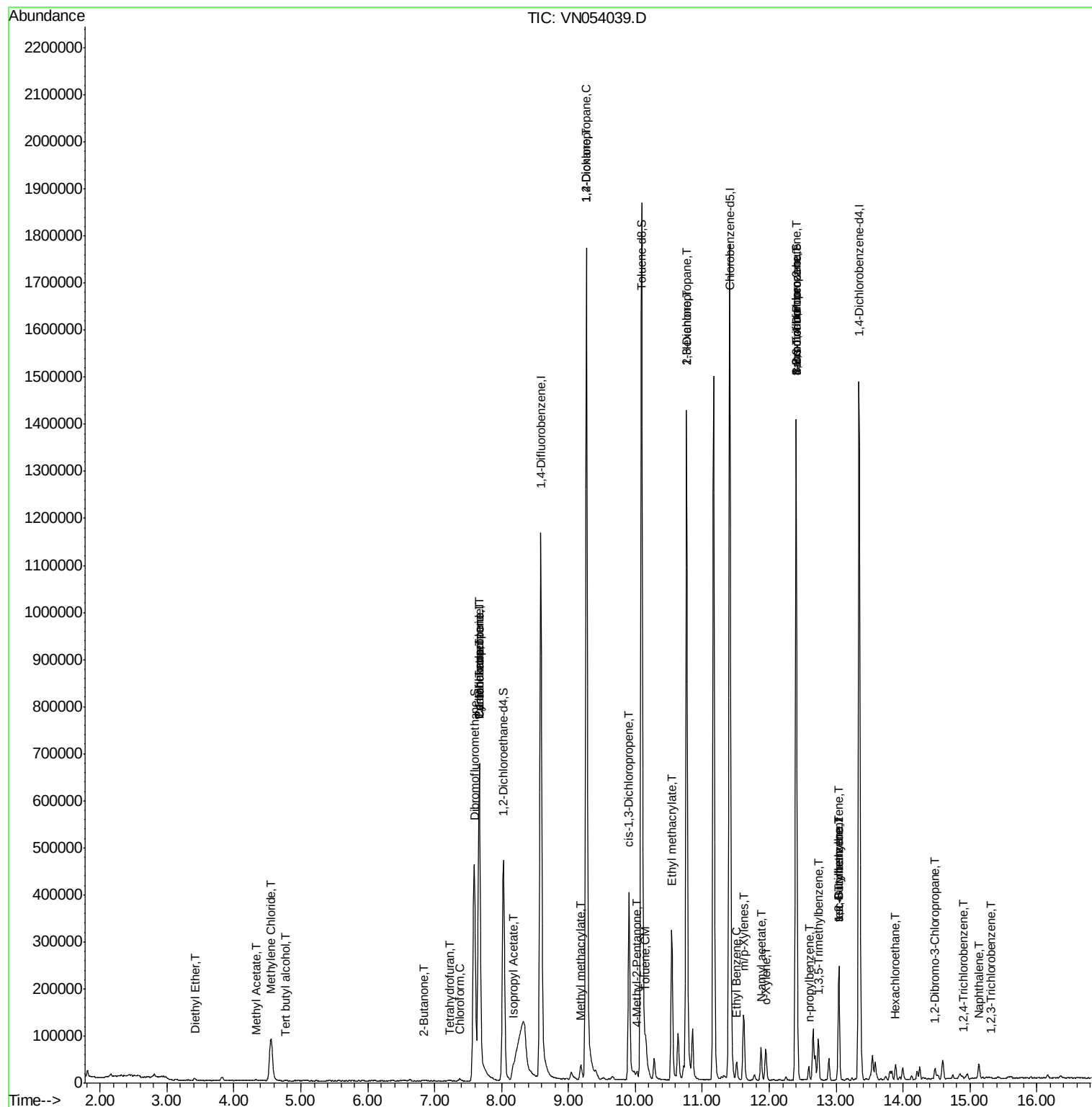
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.48	75	369	0.323	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	647	2.304	ug/l #	24
95) Naphthalene	15.13	128	27123	4.755	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	585	1.635	ug/l #	92

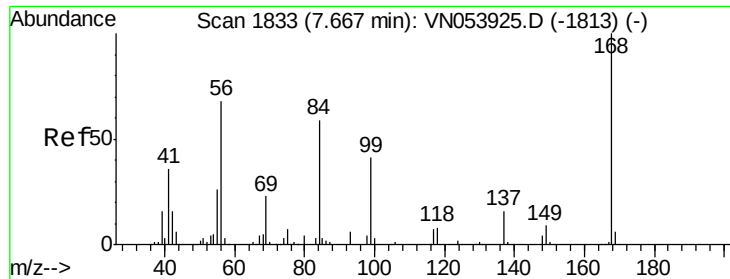
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

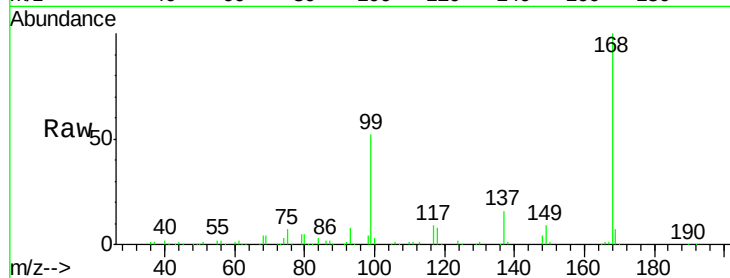
Z-3-14-B

Tot Ion:168 Resp: 615894

Ion Ratio Lower Upper

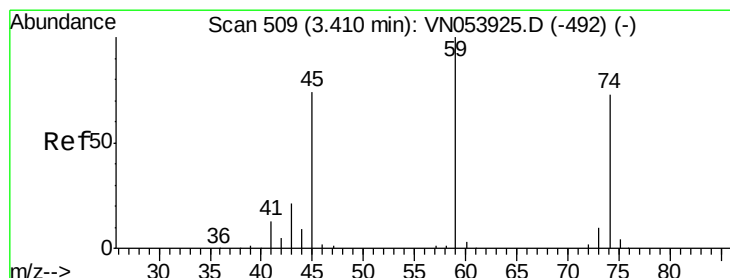
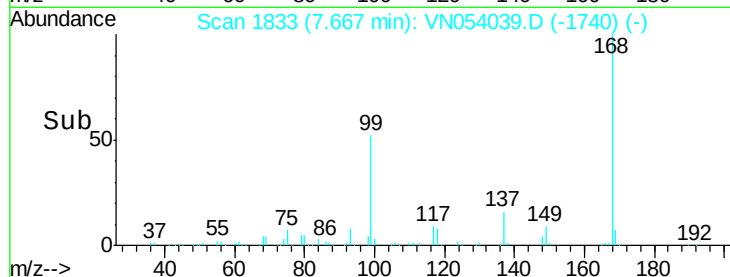
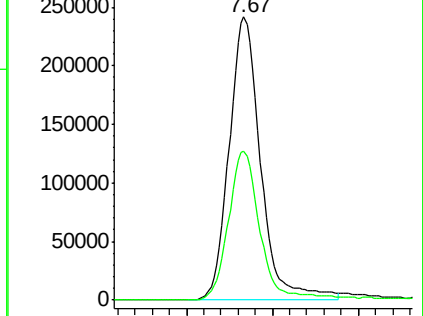
168 100

99 52.4 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#8

Diethyl Ether

Concen: 0.584 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN054039.D

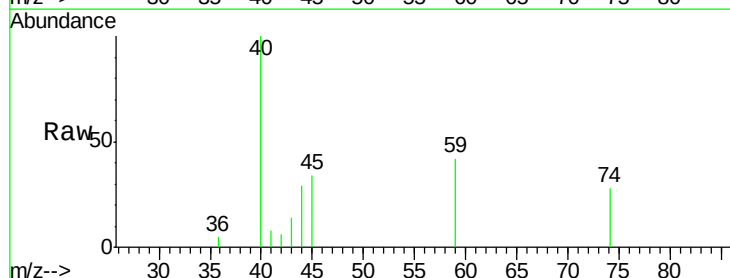
Acq: 1 Mar 2019 19:42

Tgt Ion: 74 Resp: 2203

Ion Ratio Lower Upper

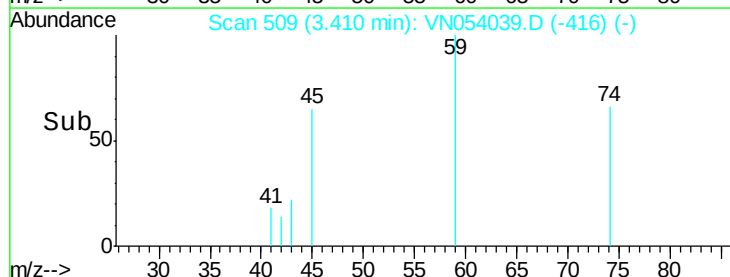
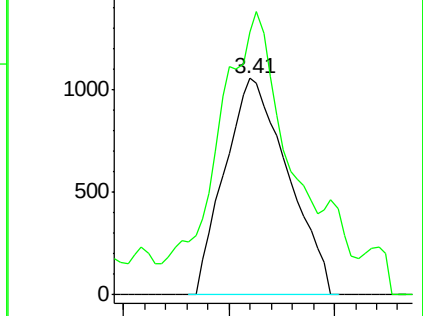
74 100

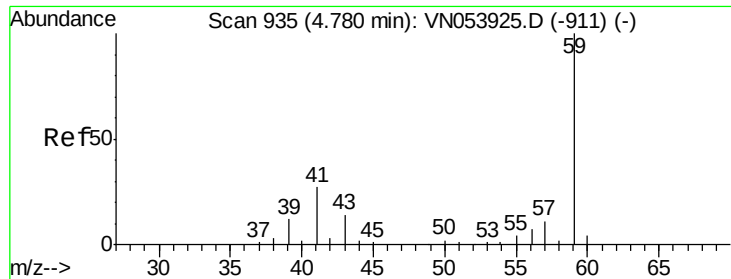
45 112.2 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

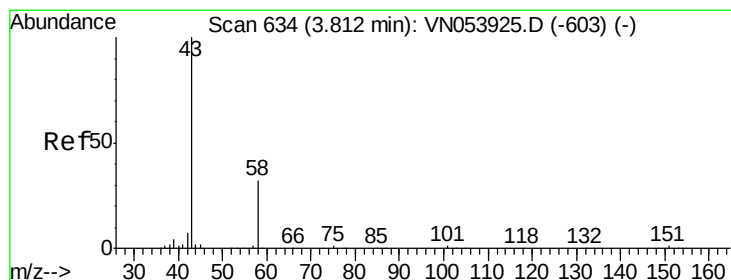
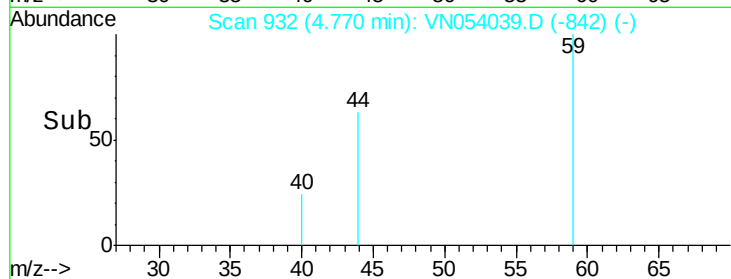
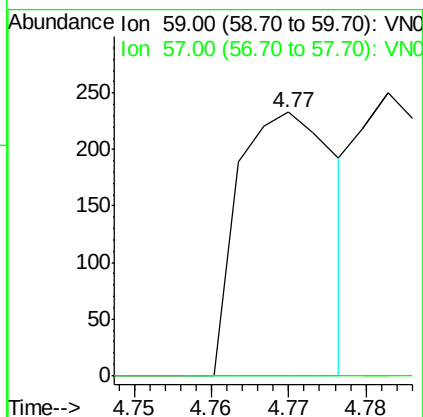
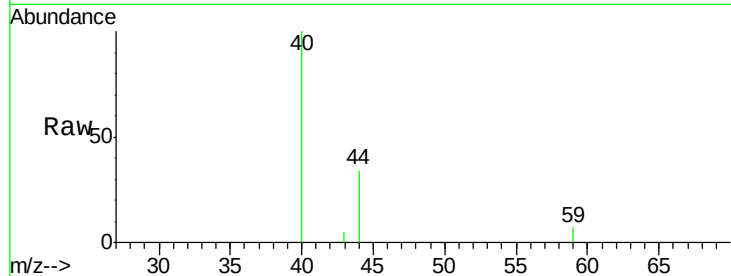




#11
 Tert butyl alcohol
 Concen: 0.444 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN054039.D
 Acq: 1 Mar 2019 19:42

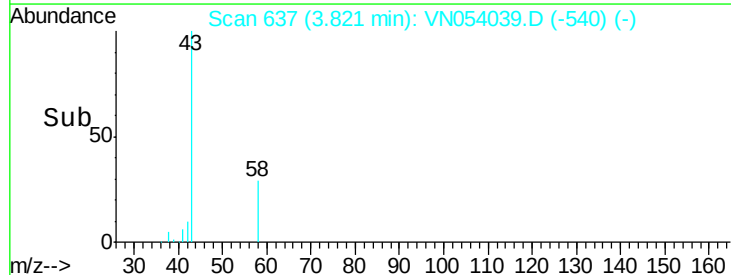
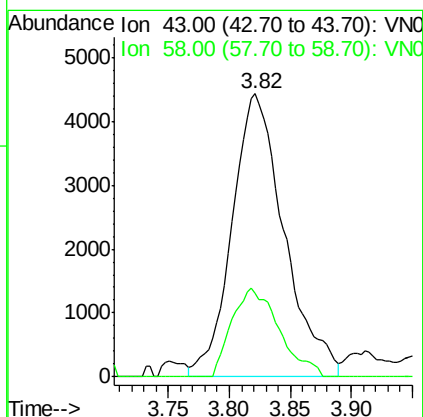
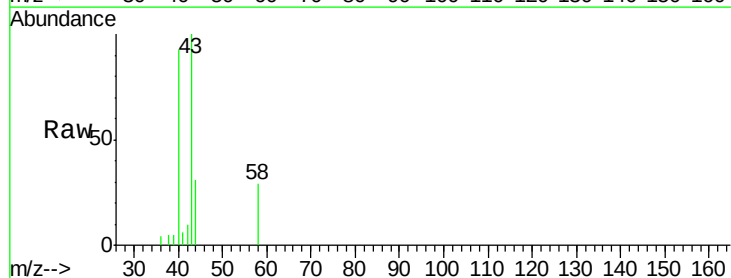
Instrument :
 MSVOA_N
 ClientSampled :
 Z-3-14-B

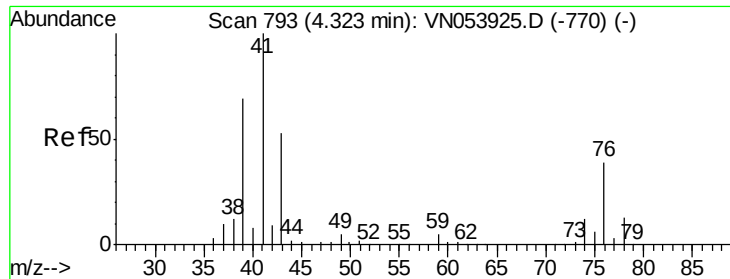
Tot Ion: 59 Resp: 203
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#



#16
 Acetone
 Concen: Below Cal
 RT: 3.82 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN054039.D
 Acq: 1 Mar 2019 19:42

Tgt Ion: 43 Resp: 13148
 Ion Ratio Lower Upper
 43 100
 58 30.5 27.6 41.4

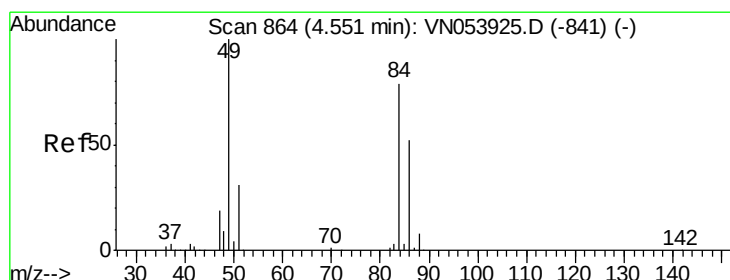
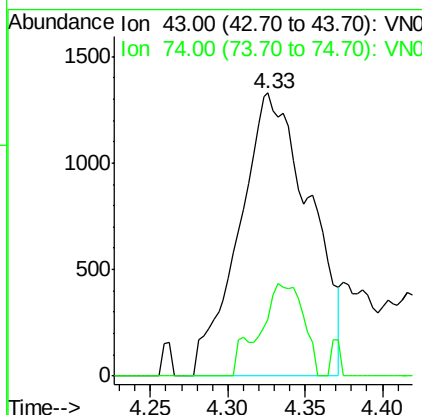
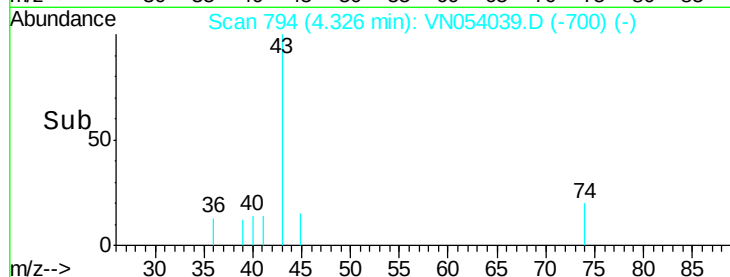
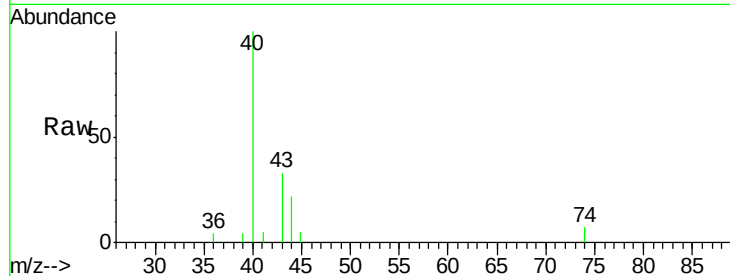




#18
Methyl Acetate
Concen: 0.836 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054039.D
Acq: 1 Mar 2019 19:42

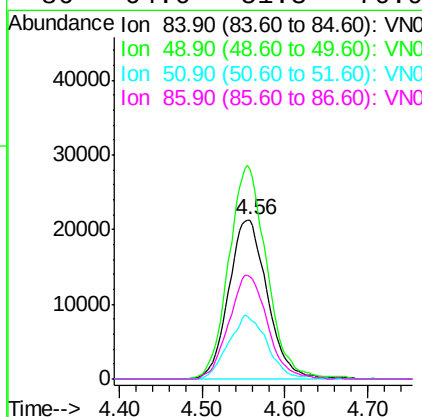
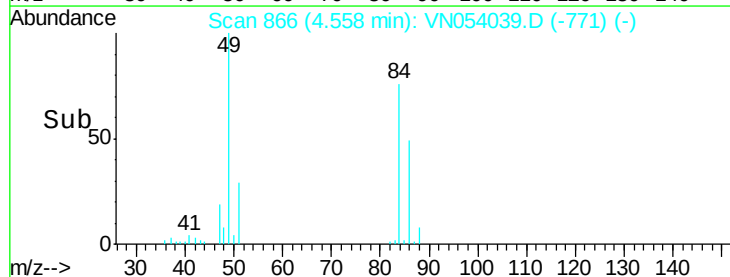
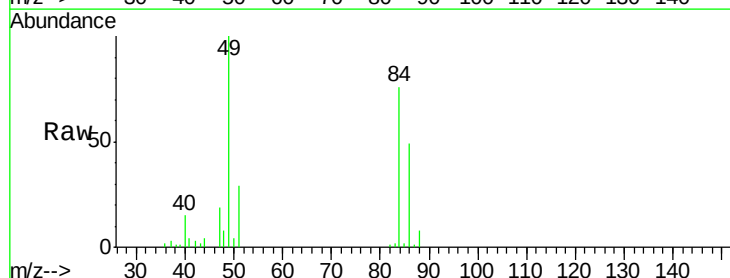
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ClientSampled :
Z-3-14-B

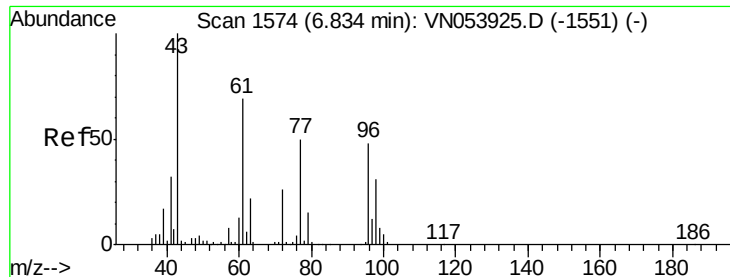
Tot Ion: 43 Resp: 4220
Ion Ratio Lower Upper
43 100
74 17.2 20.5 30.7#



#20
Methylene Chloride
Concen: 9.662 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN054039.D
Acq: 1 Mar 2019 19:42

Tgt Ion: 84 Resp: 69038
Ion Ratio Lower Upper
84 100
49 132.2 89.7 134.5
51 37.7 27.8 41.8
86 64.6 51.3 76.9

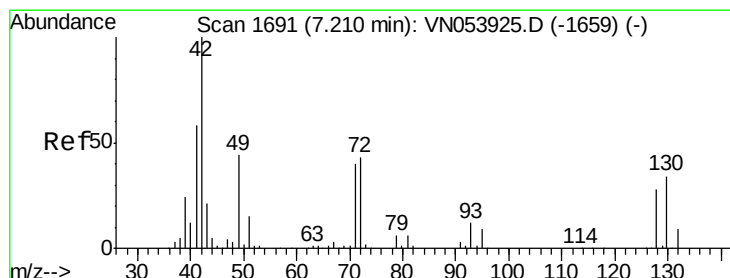
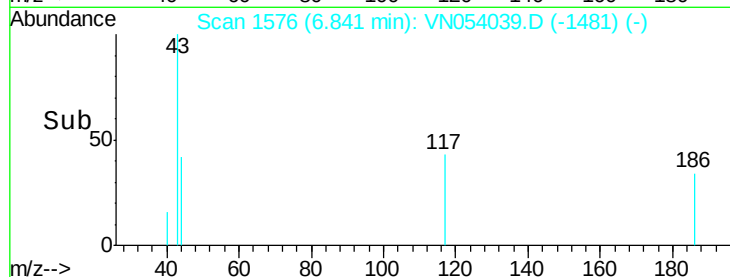
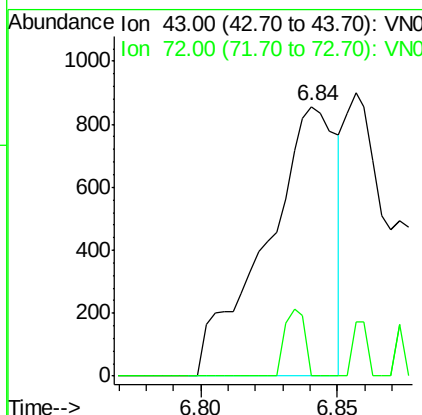
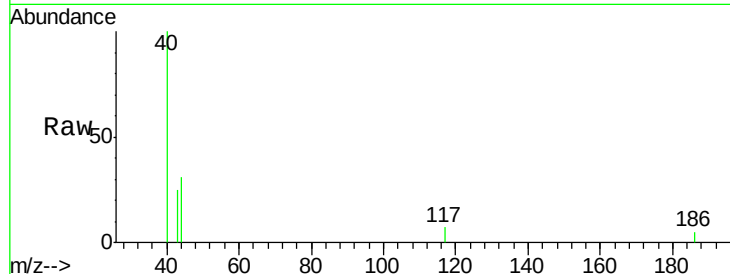




#25
2-Butanone
Concen: 0.543 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN054039.D
Acq: 1 Mar 2019 19:42

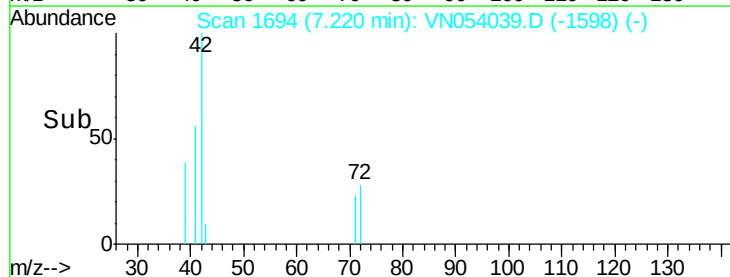
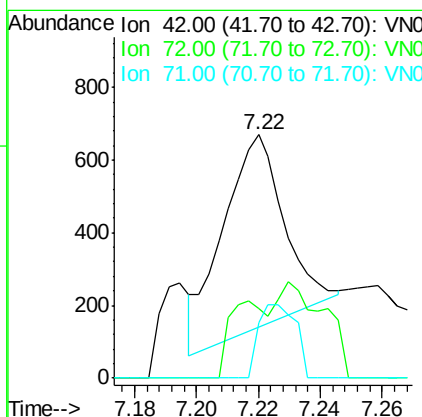
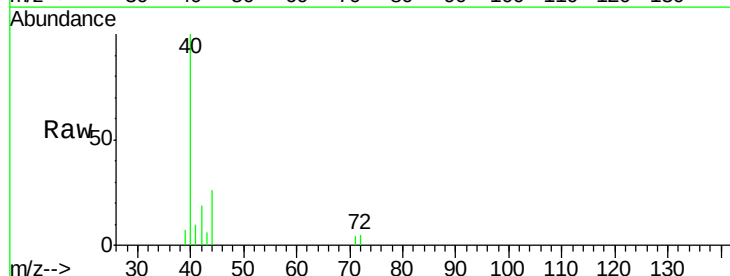
Instrument :
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ClientSampled :
Z-3-14-B

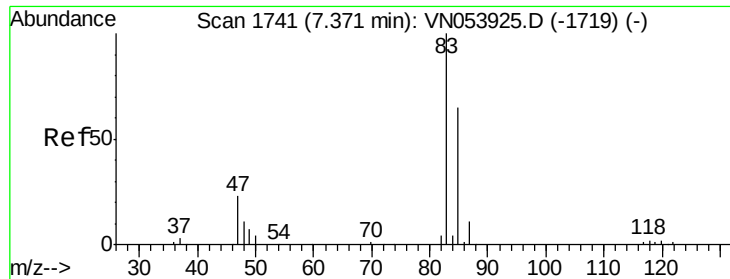
Tot Ion: 43 Resp: 1540
Ion Ratio Lower Upper
43 100
72 0.0 22.1 33.1#



#29
Tetrahydrofuran
Concen: 0.395 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN054039.D
Acq: 1 Mar 2019 19:42

Tgt Ion: 42 Resp: 746
Ion Ratio Lower Upper
42 100
72 24.4 36.9 55.3#
71 0.0 34.6 52.0#

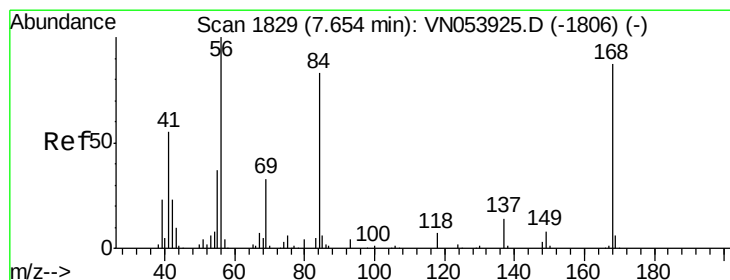
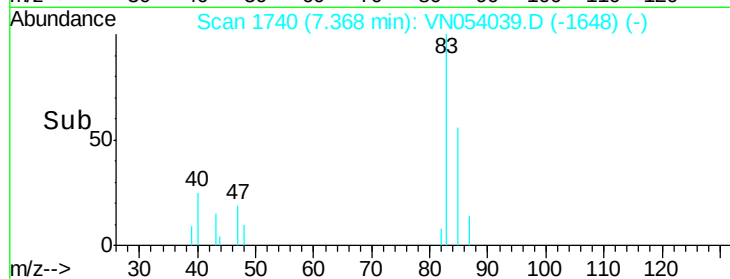
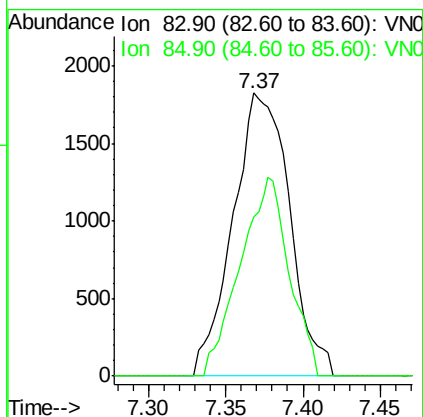
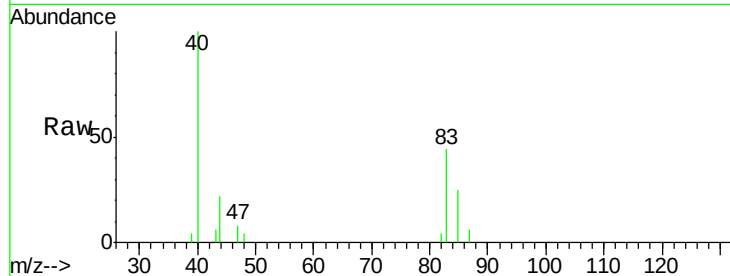




#30
Chloroform
Concen: 0.380 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN054039.D
Acq: 1 Mar 2019 19:42

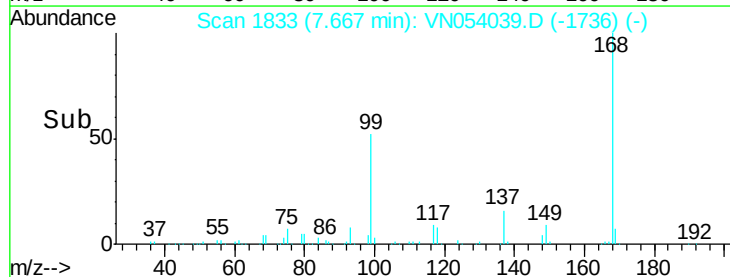
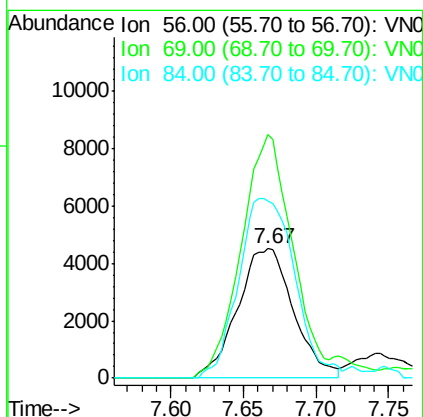
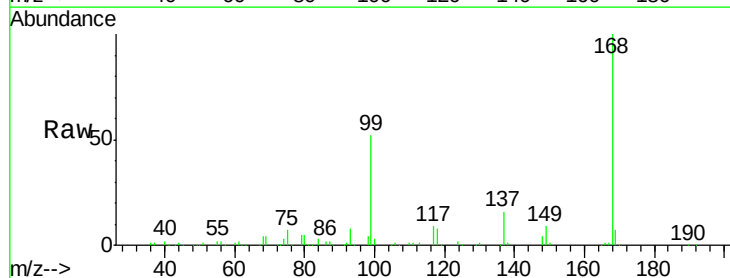
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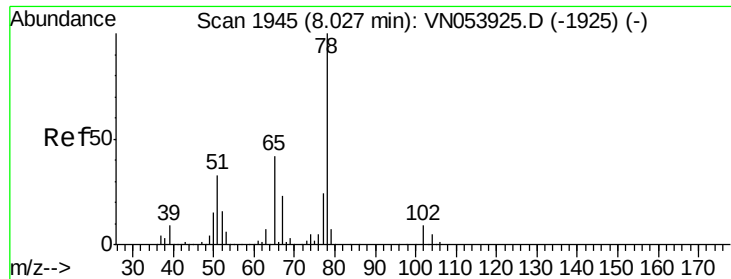
Tot Ion: 83 Resp: 4645
Ion Ratio Lower Upper
83 100
85 56.3 52.6 78.8



#31
Cyclohexane
Concen: 0.644 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN054039.D
Acq: 1 Mar 2019 19:42

Tgt Ion: 56 Resp: 12109
Ion Ratio Lower Upper
56 100
69 188.5 26.0 39.0#
84 136.8 69.1 103.7#

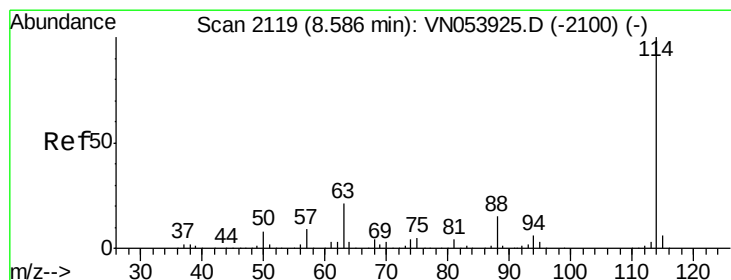
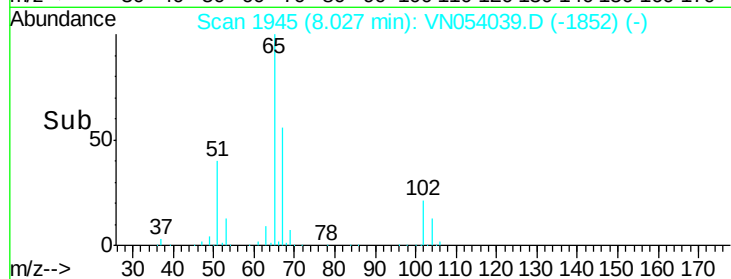
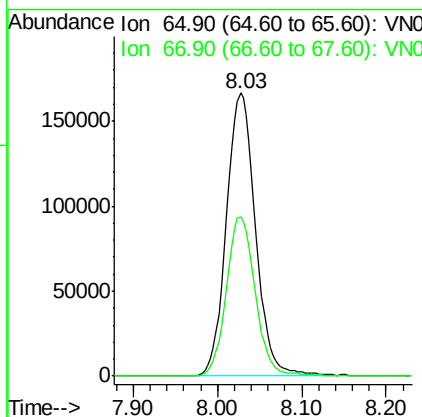
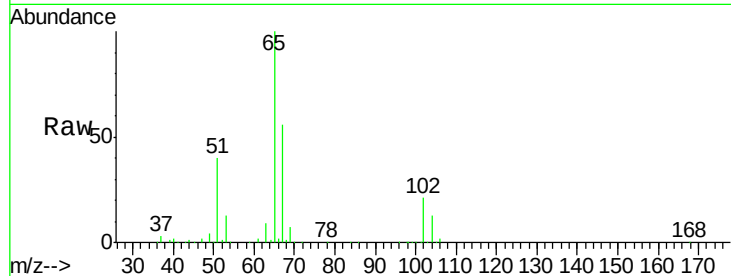




#33
 1,2-Dichloroethane-d4
 Concen: 55.520 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054039.D
 Acq: 1 Mar 2019 19:42

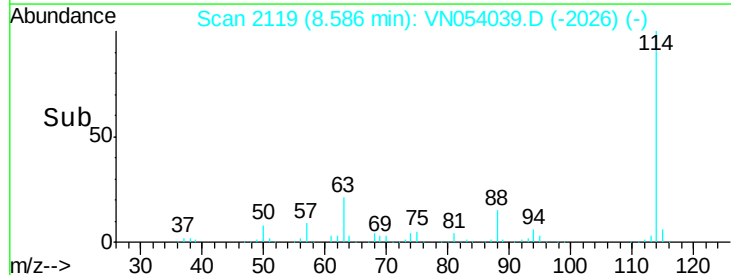
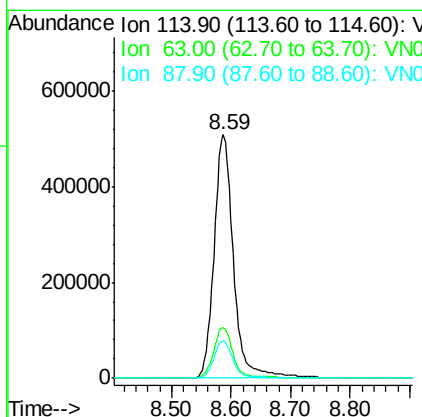
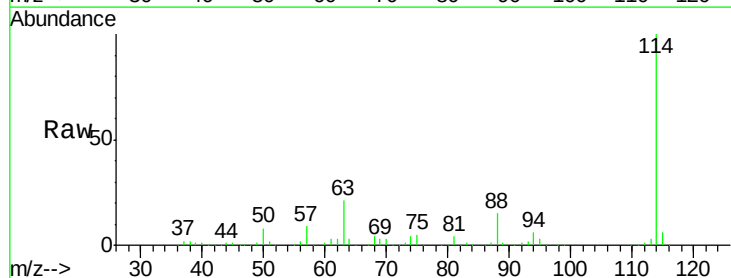
Instrument :
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 ClientSampleId :
 Z-3-14-B

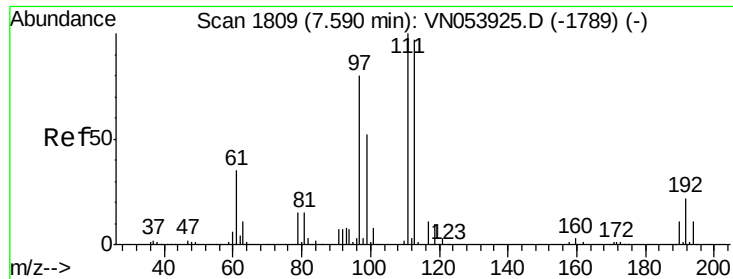
Tot Ion: 65 Resp: 400834
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054039.D
 Acq: 1 Mar 2019 19:42

Tgt Ion: 114 Resp: 1149710
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 37.4
 88 15.2 0.0 30.4

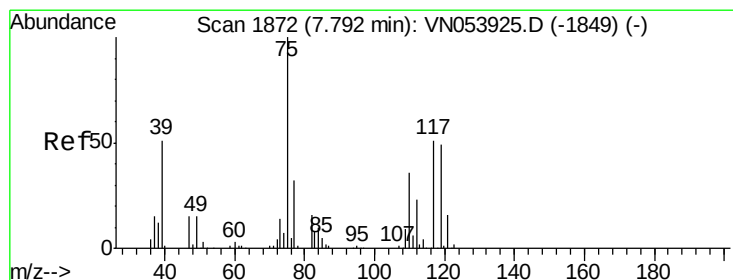
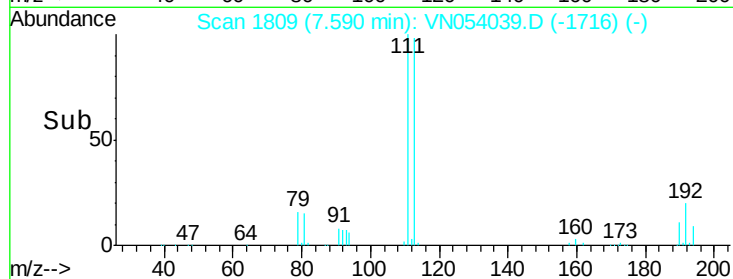
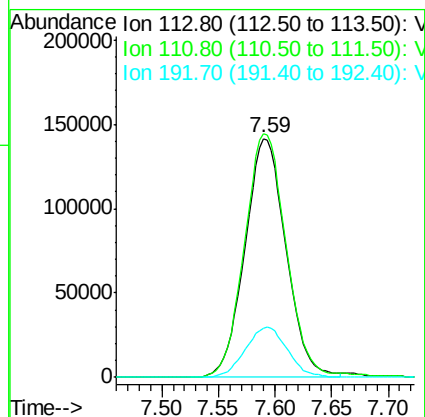
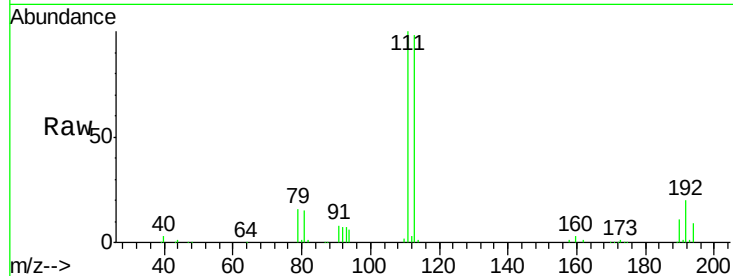




#35
 Dibromofluoromethane
 Concen: 48.075 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054039.D
 Acq: 1 Mar 2019 19:42

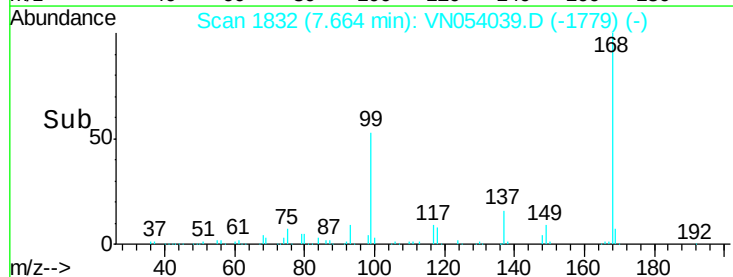
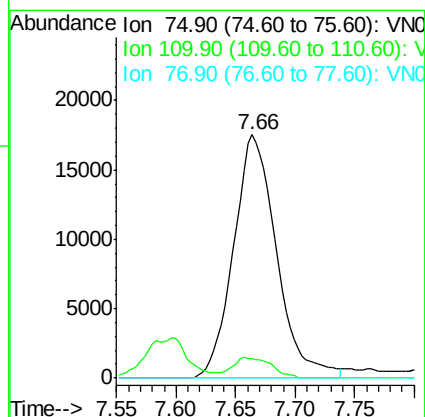
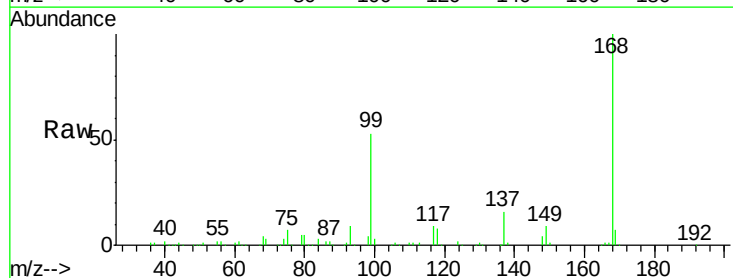
Instrument :
 MSVOA_N
 ClientSampleId :
 Z-3-14-B

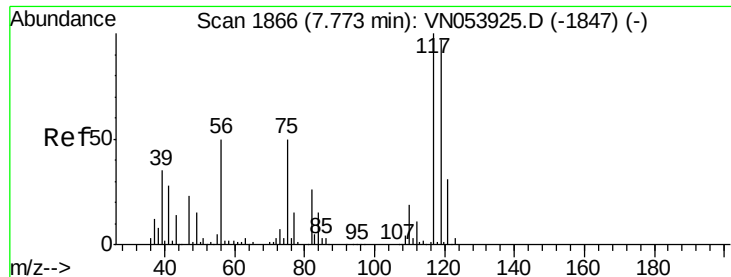
Tot Ion:113 Resp: 357426
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.1 121.7
 192 21.6 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 4.117 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054039.D
 Acq: 1 Mar 2019 19:42

Tgt Ion: 75 Resp: 44017
 Ion Ratio Lower Upper
 75 100
 110 7.7 19.0 57.0#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 4.847 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

Z-3-14-B

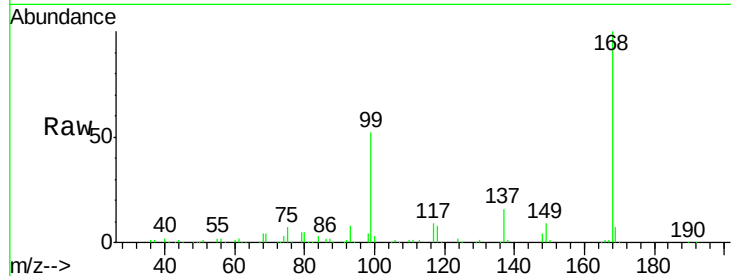
Tot Ion:117 Resp: 53898

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

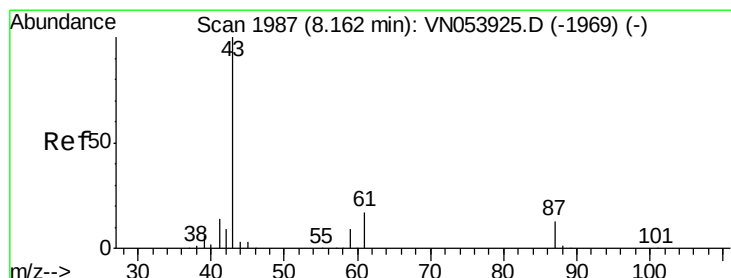
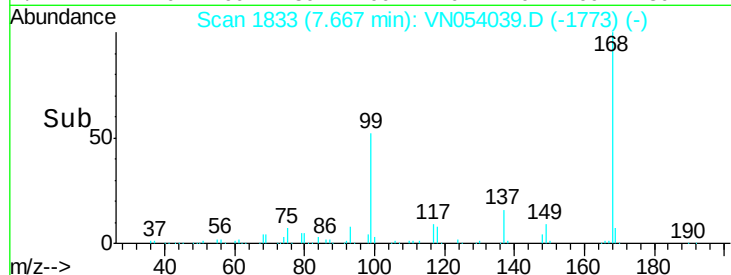
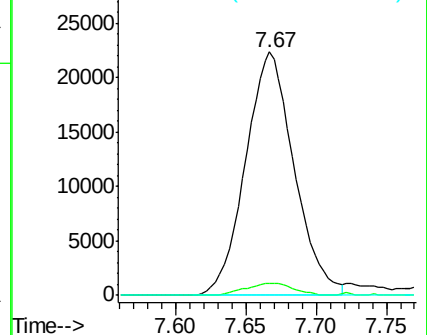
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 2.473 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

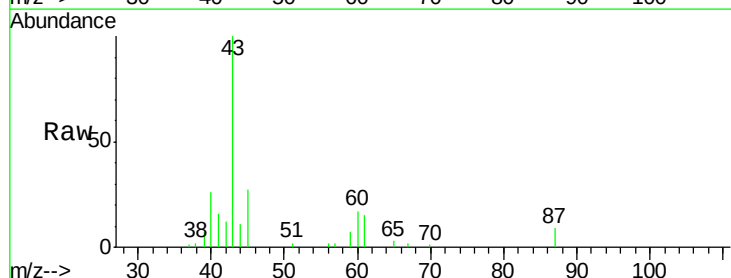
Tgt Ion: 43 Resp: 31879

Ion Ratio Lower Upper

43 100

61 18.1 17.4 26.0

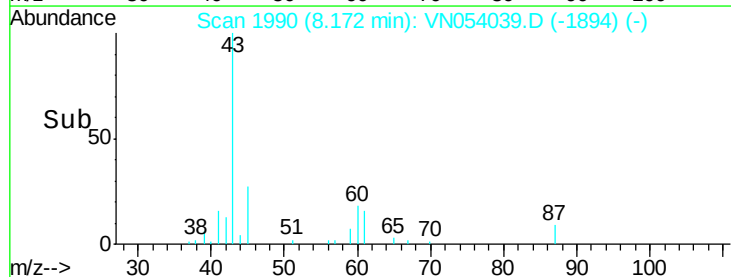
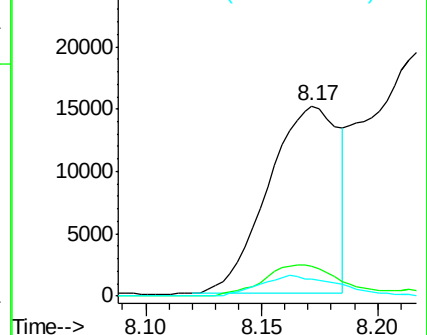
87 12.2 11.5 17.3

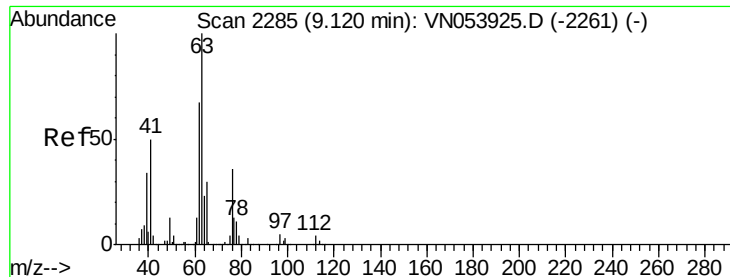


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.265 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.14 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

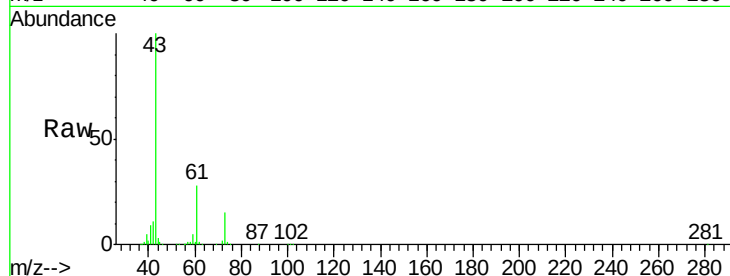
Z-3-14-B

Tot Ion: 63 Resp: 2349

Ion Ratio Lower Upper

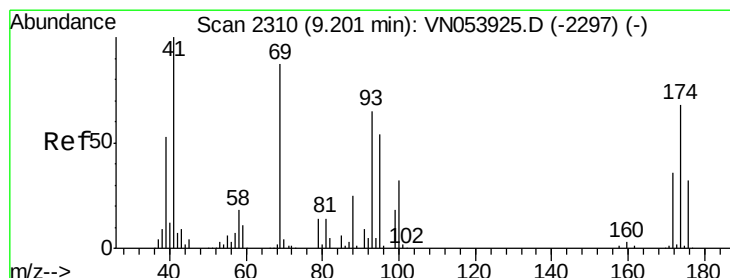
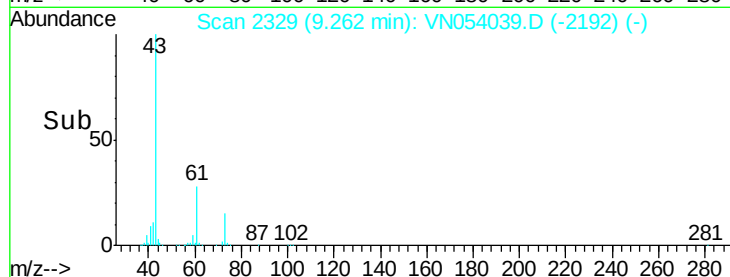
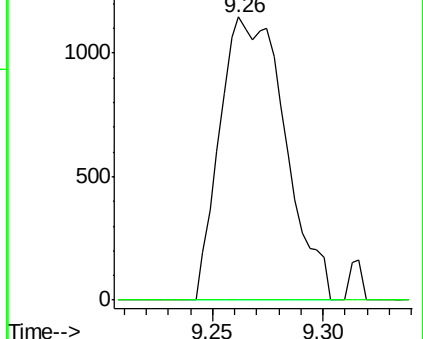
63 100

65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 2.062 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

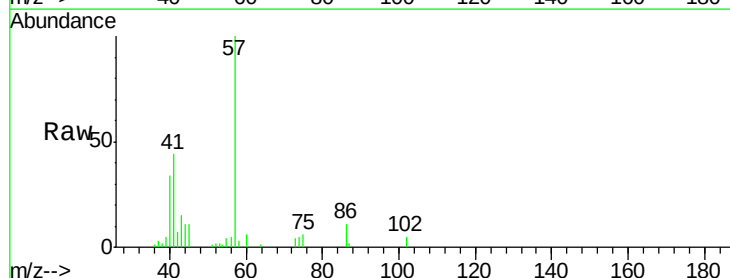
Tgt Ion: 41 Resp: 12226

Ion Ratio Lower Upper

41 100

69 0.0 74.8 112.2#

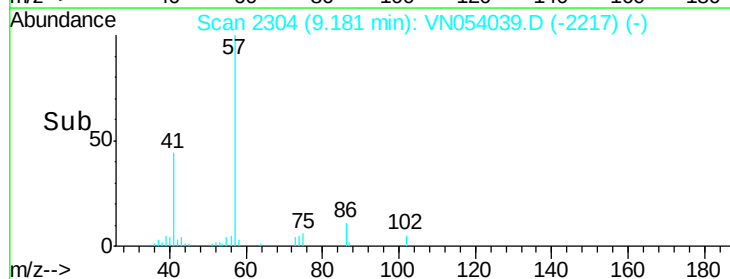
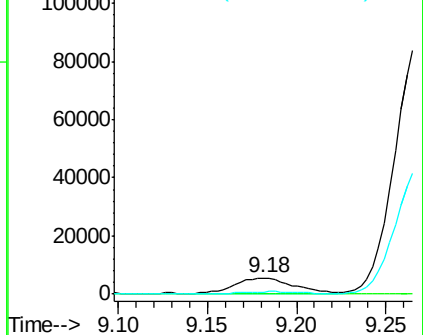
39 0.0 39.0 58.6#

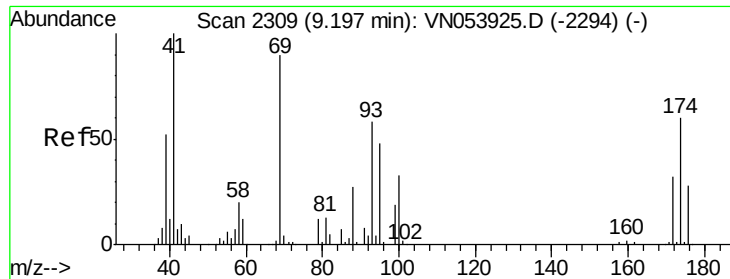


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 1.195 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

Z-3-14-B

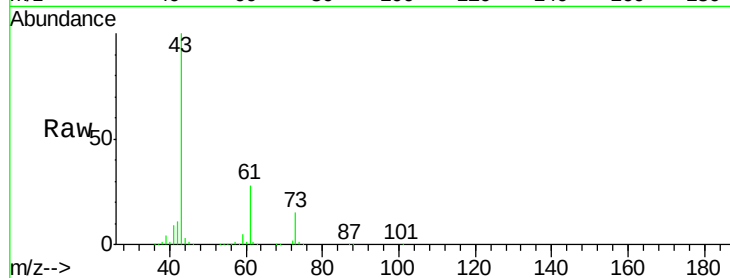
Tot Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 2017619.8 21.2 31.8#

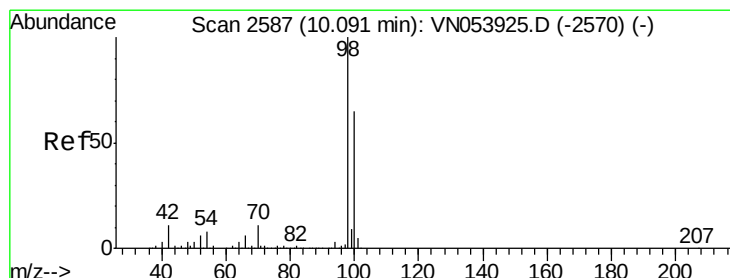
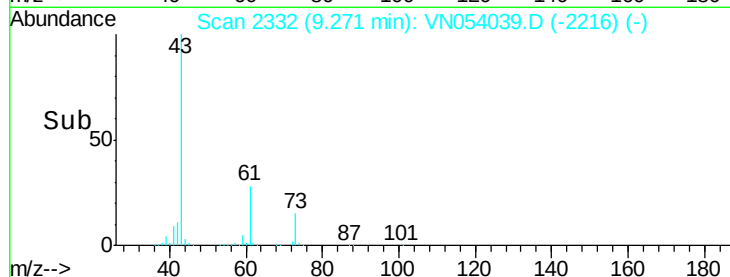
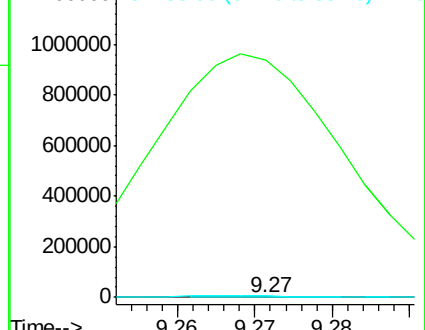
58 9994.8 54.2 81.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.764 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054039.D

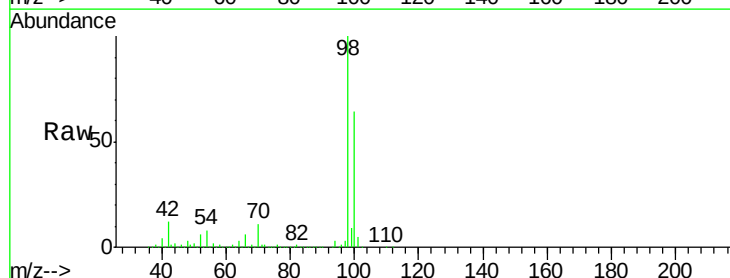
Acq: 1 Mar 2019 19:42

Tgt Ion: 98 Resp: 1460314

Ion Ratio Lower Upper

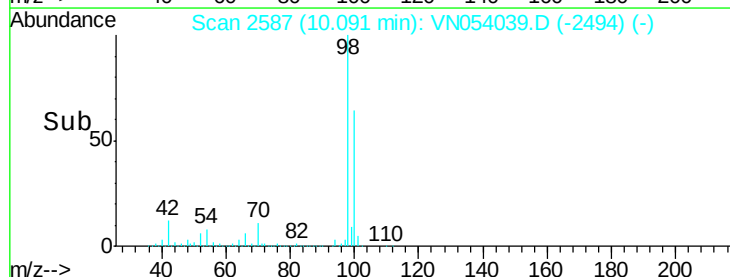
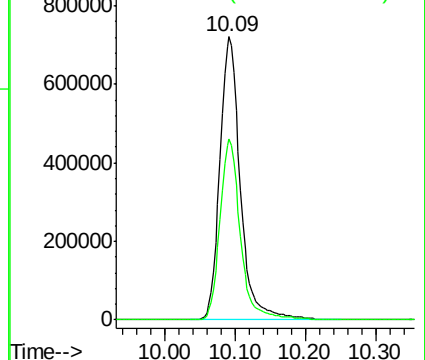
98 100

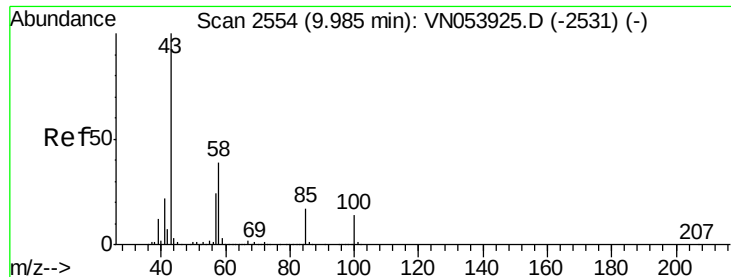
100 63.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

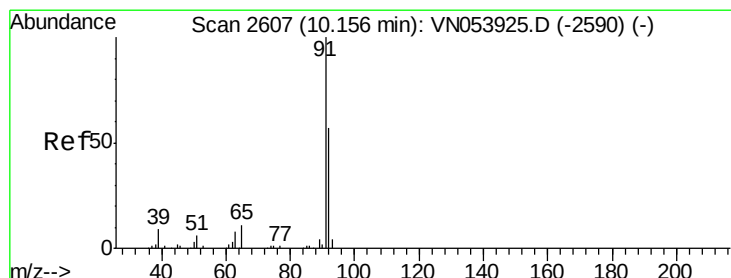
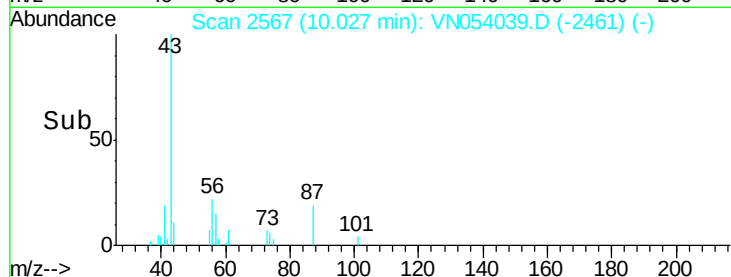
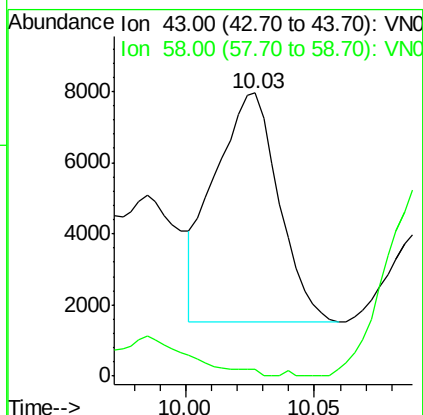
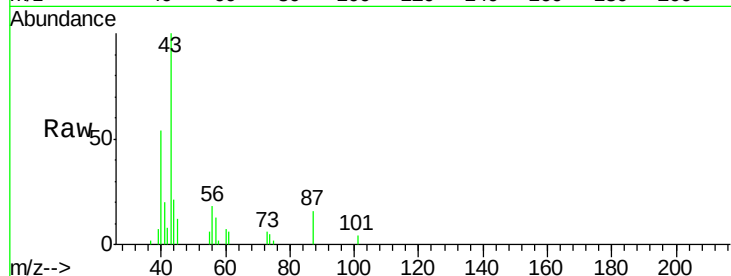




#51
 4-Methyl-2-Pentanone
 Concen: 1.686 ug/l
 RT: 10.03 min Scan# 2567
 Delta R.T. 0.04 min
 Lab File: VN054039.D
 Acq: 1 Mar 2019 19:42

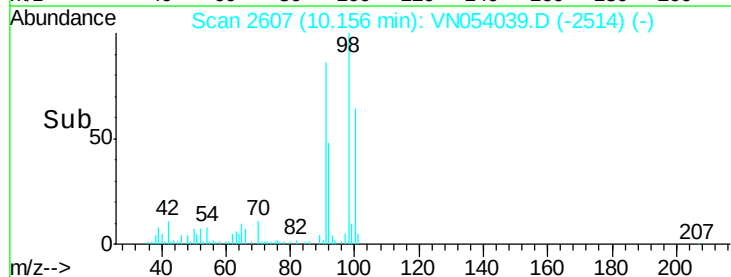
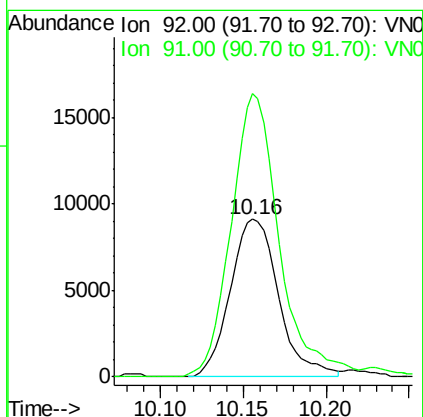
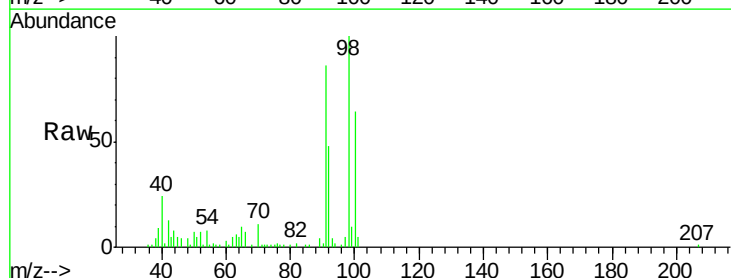
Instrument :
 MSVOA_N
 ClientSampled :
 Z-3-14-B

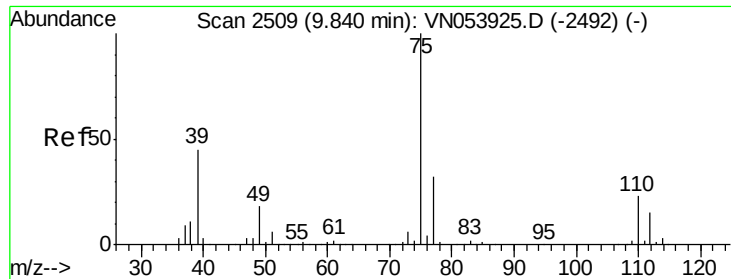
Tot Ion: 43 Resp: 11166
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.7 49.1#



#52
 Toluene
 Concen: 0.956 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054039.D
 Acq: 1 Mar 2019 19:42

Tgt Ion: 92 Resp: 18491
 Ion Ratio Lower Upper
 92 100
 91 178.9 138.4 207.6





#54

cis-1,3-Dichloropropene

Concen: 6.164 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

Z-3-14-B

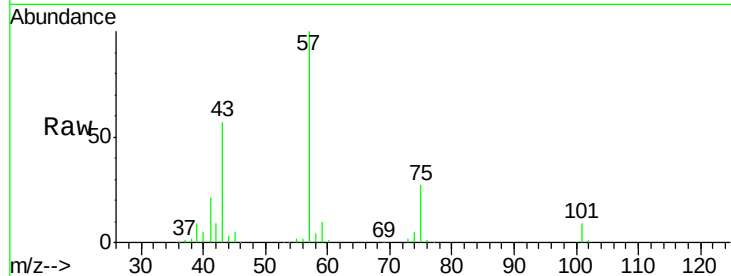
Tot Ion: 75 Resp: 76657

Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

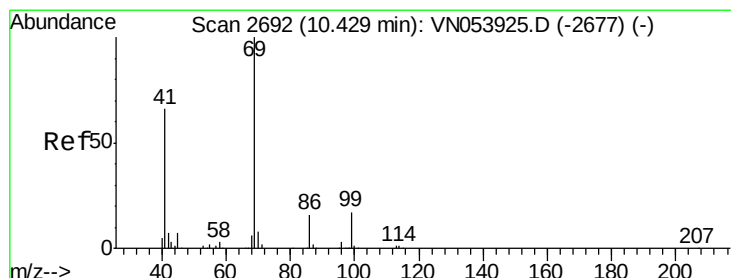
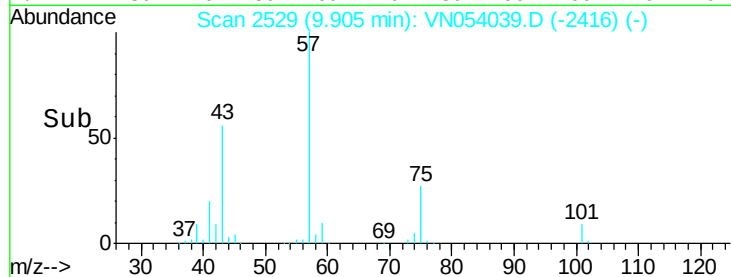
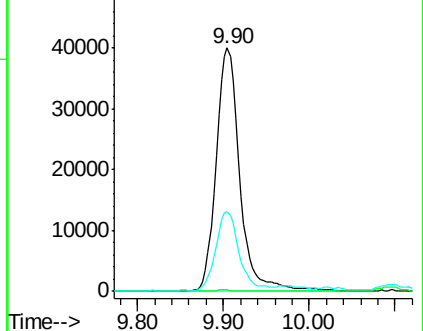
39 32.4 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 2.118 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

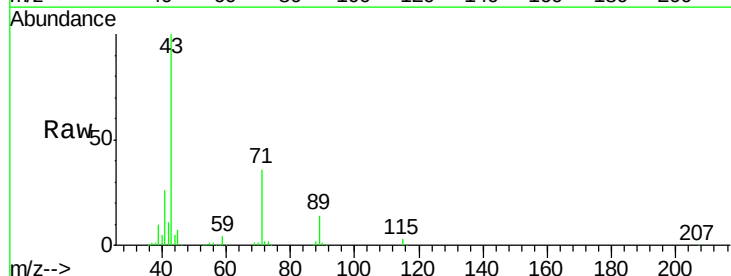
Tgt Ion: 69 Resp: 1609

Ion Ratio Lower Upper

69 100

41 3893.4 47.5 71.3#

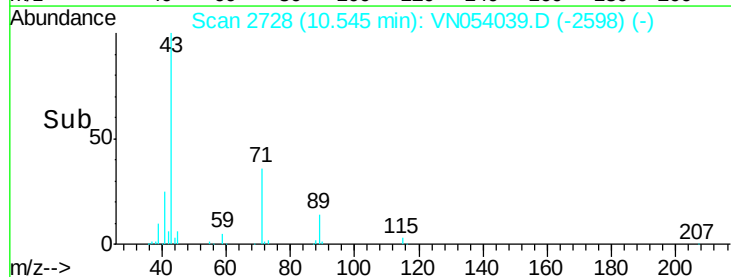
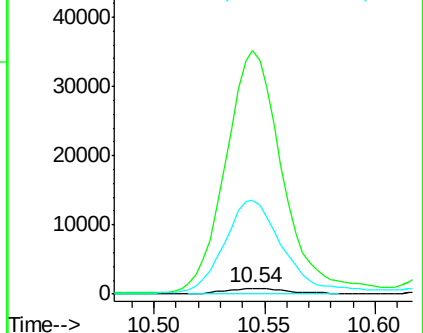
39 1613.4 23.4 35.0#

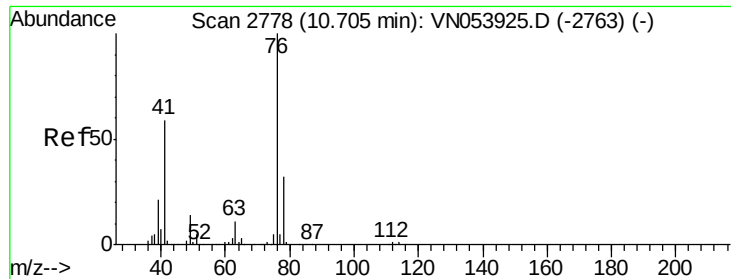


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.238 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

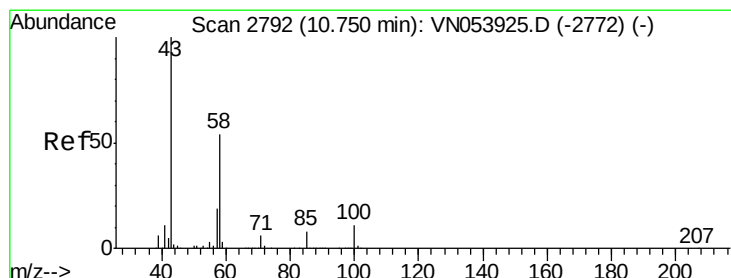
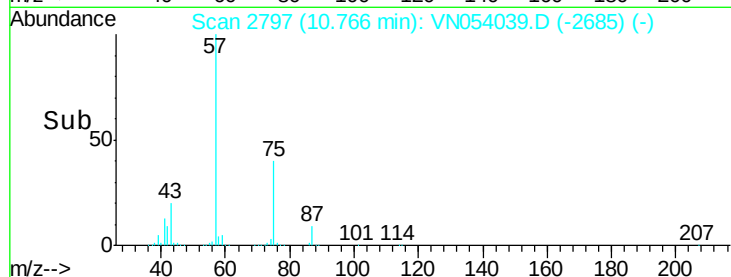
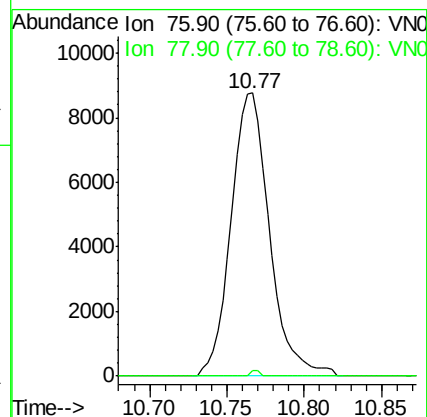
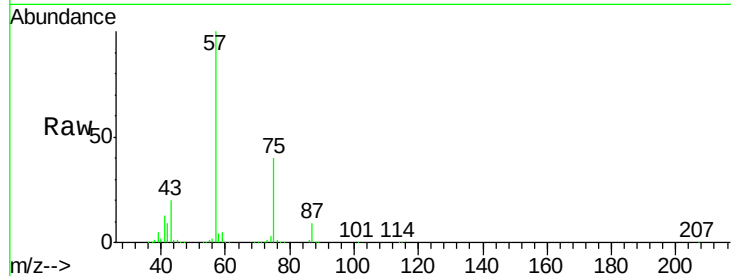
Z-3-14-B

Tot Ion: 76 Resp: 15107

Ion Ratio Lower Upper

76 100

78 0.4 25.2 37.8#



#59

2-Hexanone

Concen: 51.447 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN054039.D

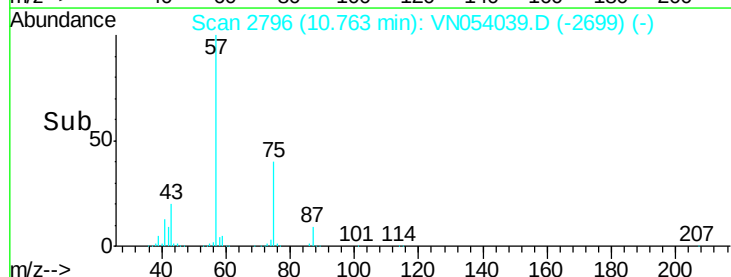
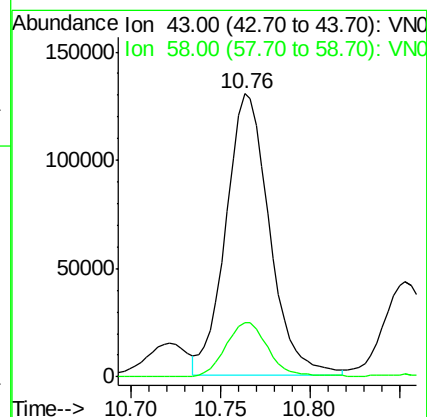
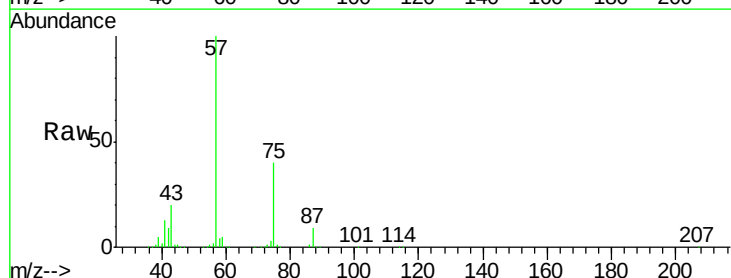
Acq: 1 Mar 2019 19:42

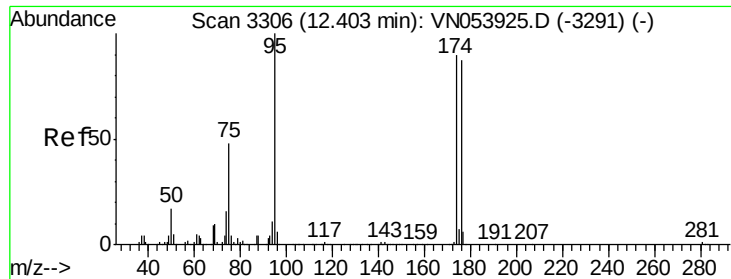
Tgt Ion: 43 Resp: 221634

Ion Ratio Lower Upper

43 100

58 19.3 29.1 87.4#





#62

4-Bromofluorobenzene

Concen: 53.462 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

Z-3-14-B

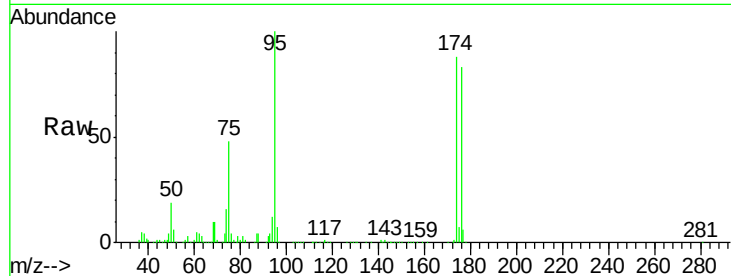
Tot Ion: 95 Resp: 492970

Ion Ratio Lower Upper

95 100

174 87.5 0.0 188.8

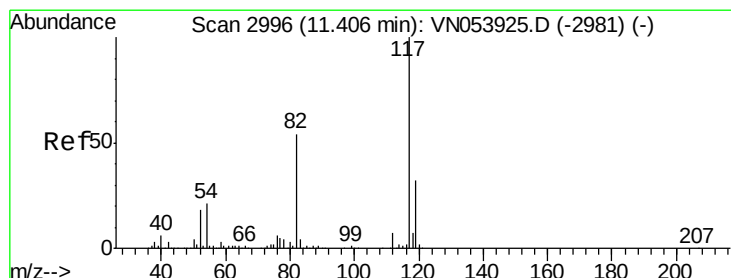
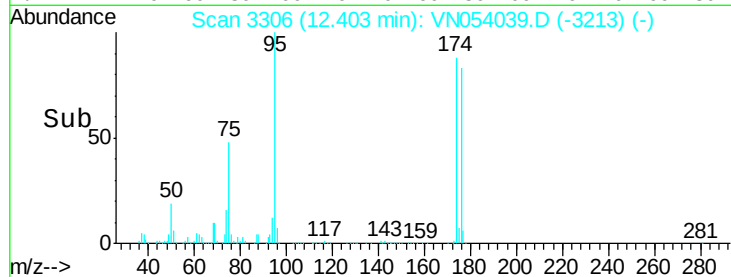
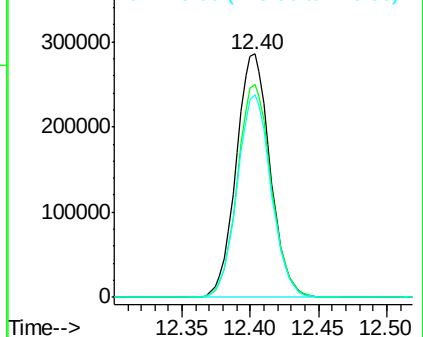
176 83.2 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN054039.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054039.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054039.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

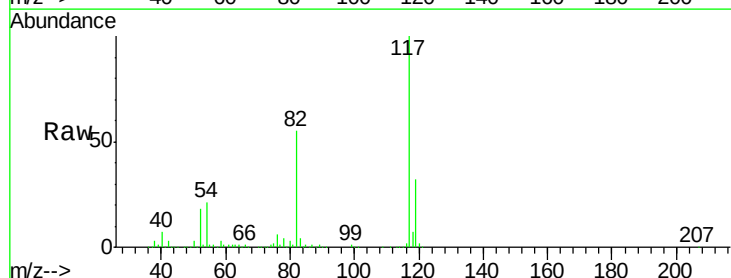
Tgt Ion: 117 Resp: 1120442

Ion Ratio Lower Upper

117 100

82 55.4 41.4 62.2

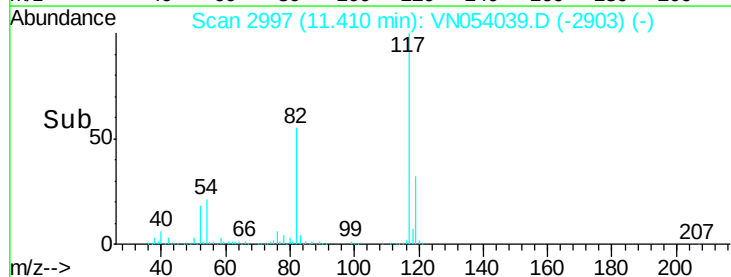
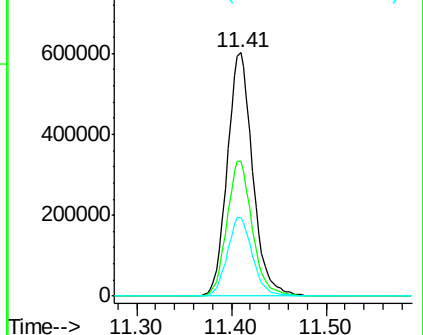
119 32.2 25.3 37.9

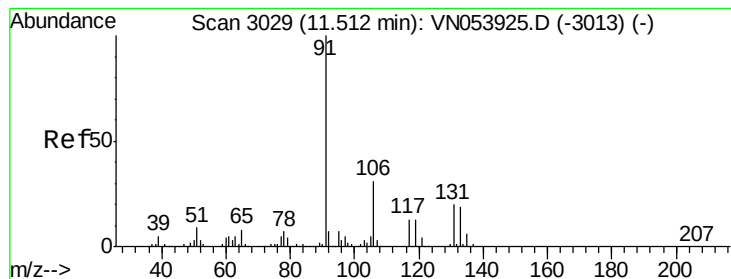


Abundance Ion 116.90 (116.60 to 117.60): VN054039.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054039.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054039.D (-2903) (-)





#67

Ethyl Benzene

Concen: 0.714 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

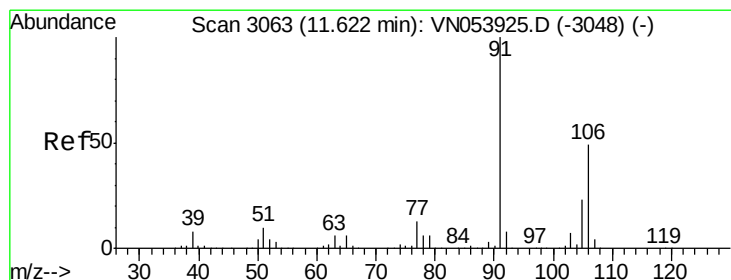
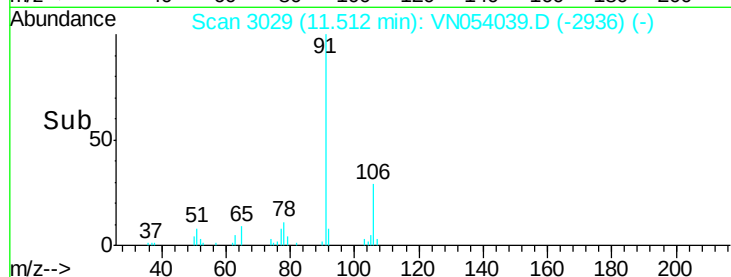
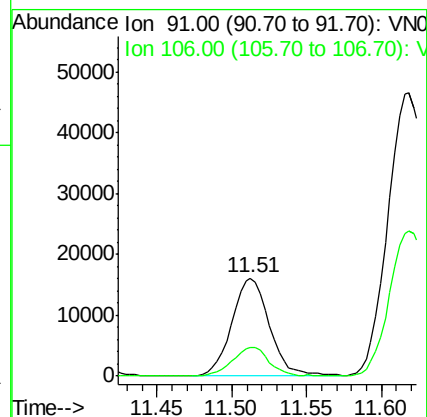
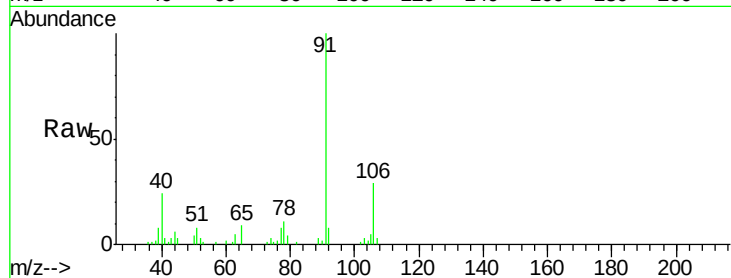
Z-3-14-B

Tot Ion: 91 Resp: 28290

Ion Ratio Lower Upper

91 100

106 29.0 25.2 37.8



#68

m/p-Xylenes

Concen: 3.072 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054039.D

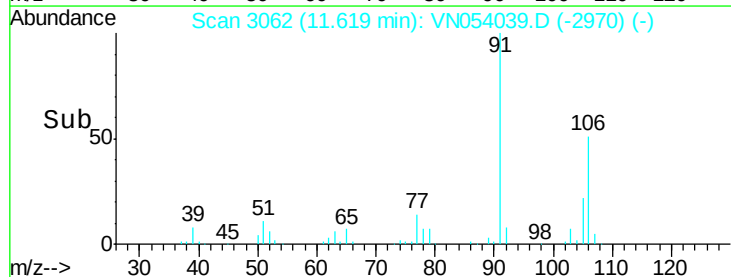
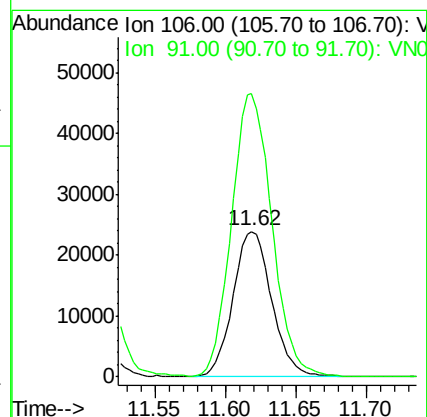
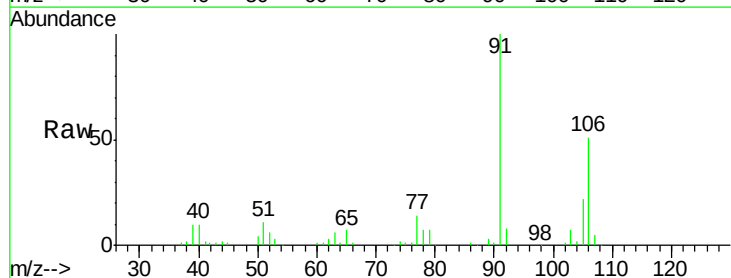
Acq: 1 Mar 2019 19:42

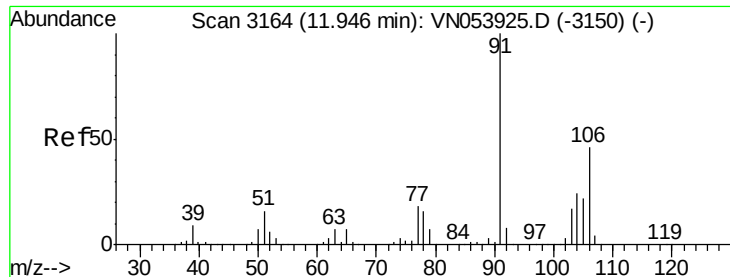
Tgt Ion: 106 Resp: 45963

Ion Ratio Lower Upper

106 100

91 203.2 158.9 238.3

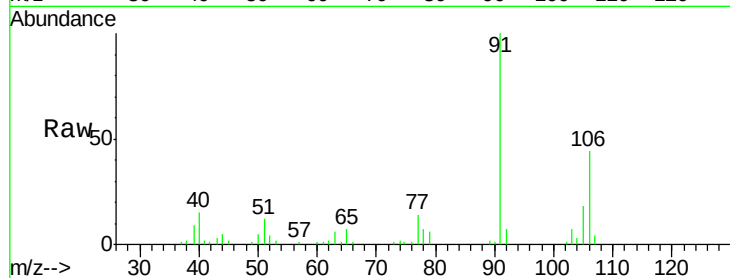




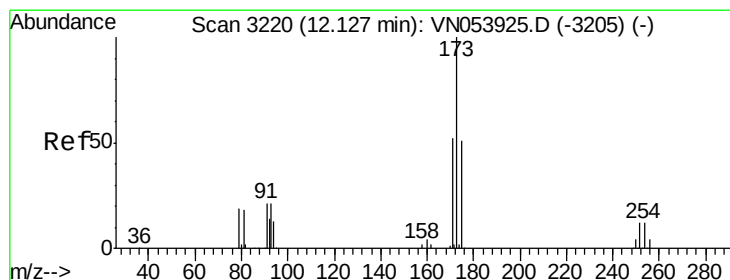
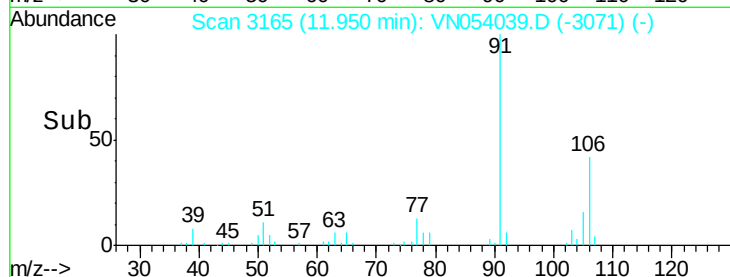
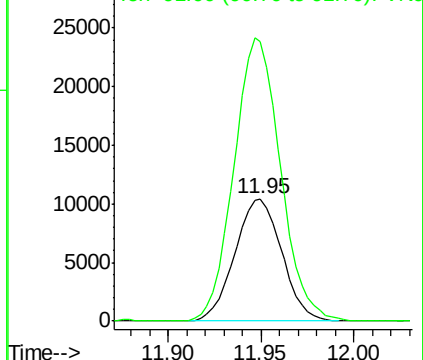
#69
o-Xylene
Concen: 1.247 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054039.D
Acq: 1 Mar 2019 19:42

Instrument :
MSVOA_N
ClientSampled :
Z-3-14-B

Tot Ion:106 Resp: 18330
Ion Ratio Lower Upper
106 100
91 229.8 106.0 318.0

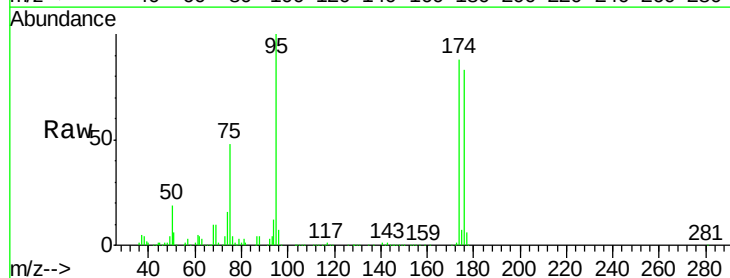


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

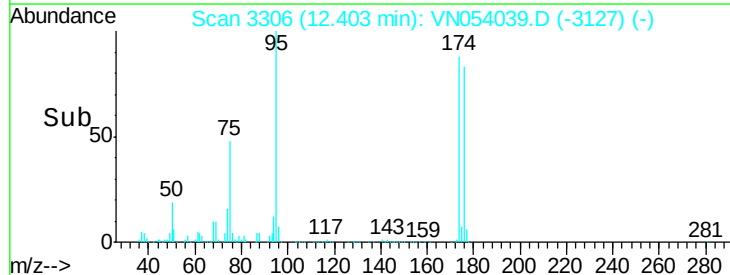
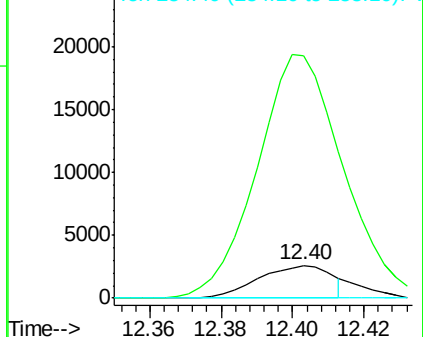


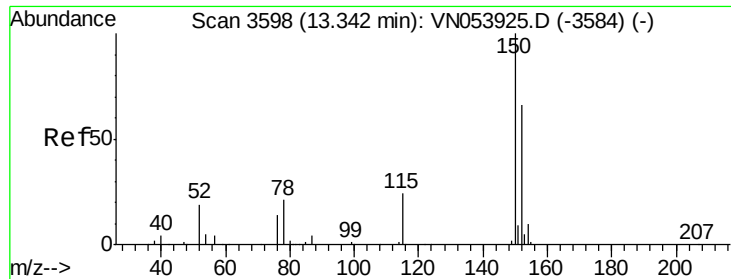
#71
Bromoform
Concen: 0.618 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054039.D
Acq: 1 Mar 2019 19:42

Tgt Ion:173 Resp: 3663
Ion Ratio Lower Upper
173 100
175 751.1 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: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

Z-3-14-B

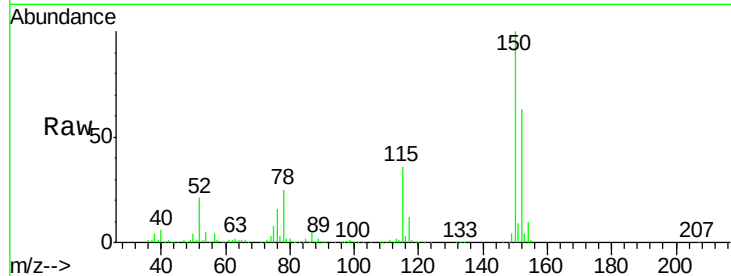
Tot Ion:152 Resp: 415294

Ion Ratio Lower Upper

152 100

115 57.4 27.2 81.6

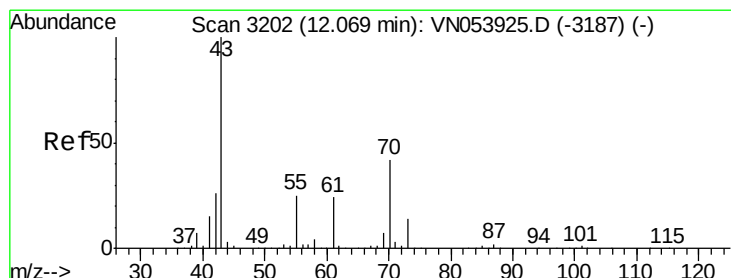
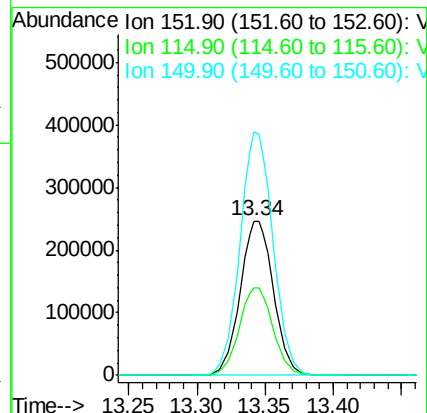
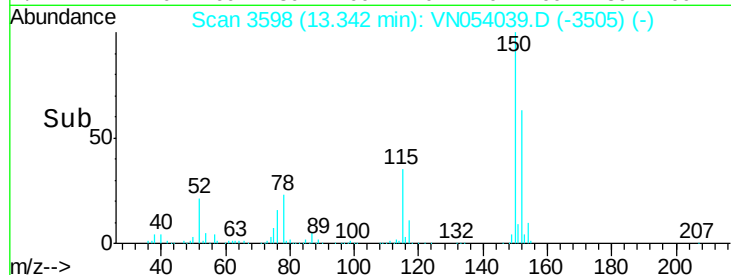
150 156.6 0.0 348.2



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



#74

N-ethyl acetate

Concen: 2.795 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Tgt Ion: 43 Resp: 23682

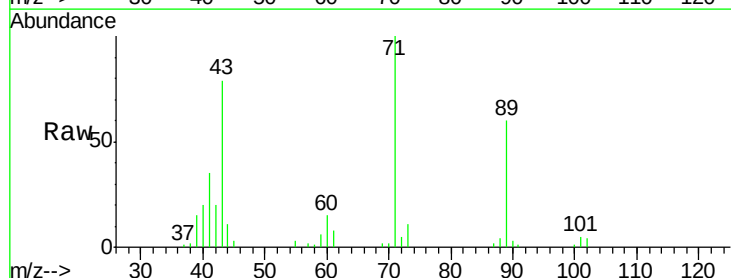
Ion Ratio Lower Upper

43 100

70 2.3 37.4 56.2#

55 4.7 21.4 32.0#

61 9.3 20.9 31.3#

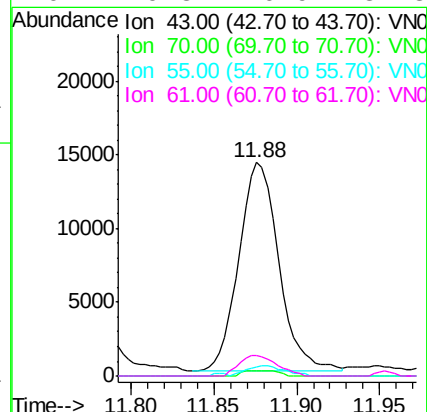
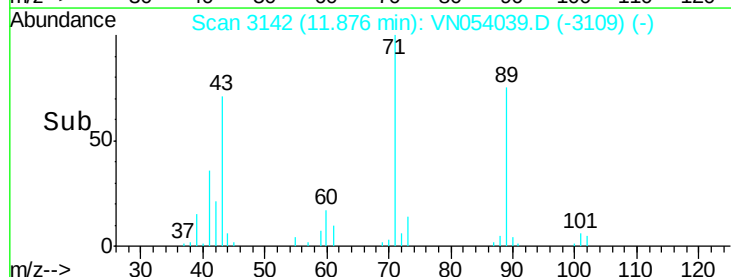


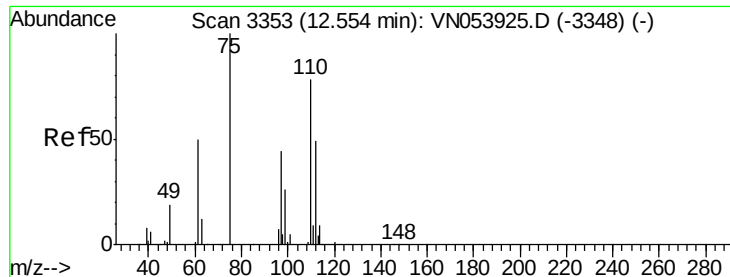
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.977 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

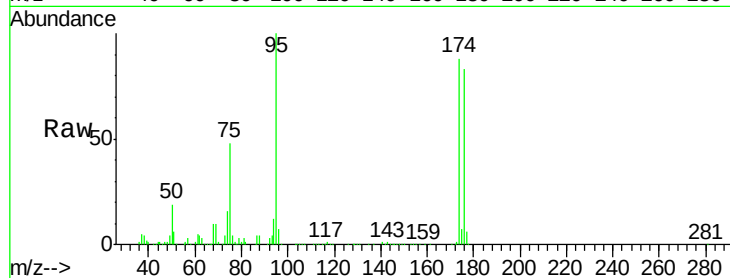
Z-3-14-B

Tot Ion: 75 Resp: 239683

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

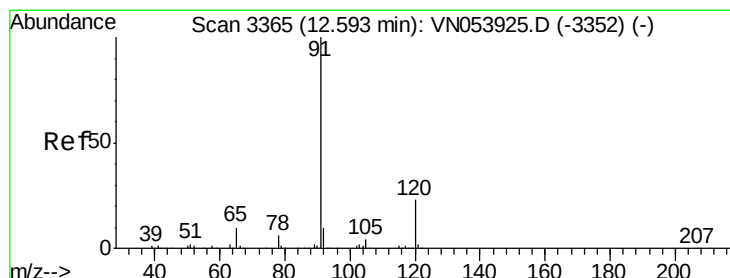
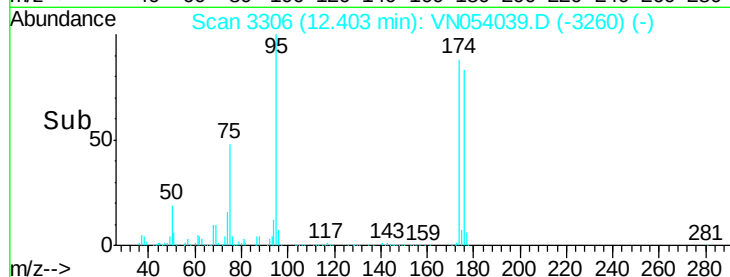
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 0.602 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054039.D

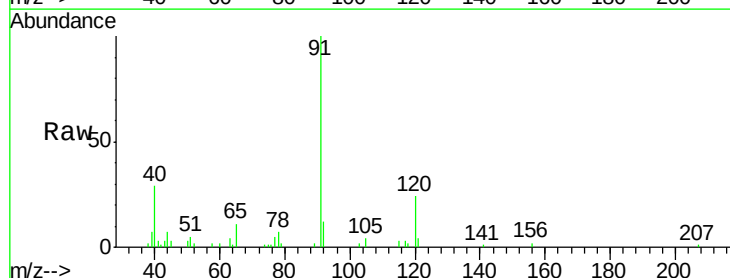
Acq: 1 Mar 2019 19:42

Tgt Ion: 91 Resp: 22134

Ion Ratio Lower Upper

91 100

120 23.1 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

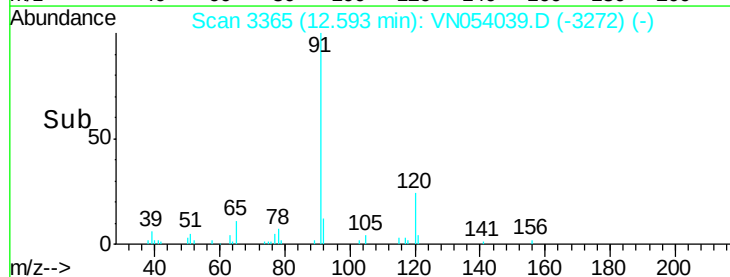
15000

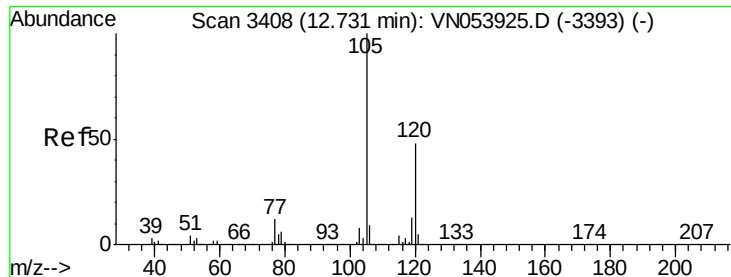
10000

5000

0

Time-->

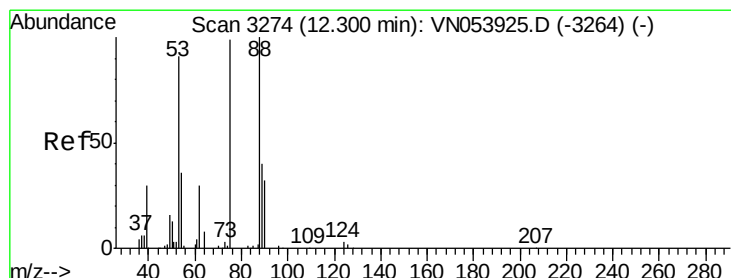
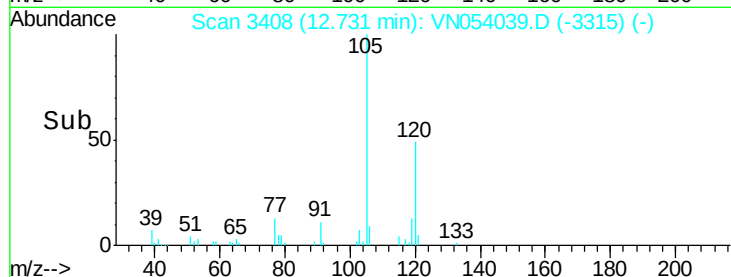
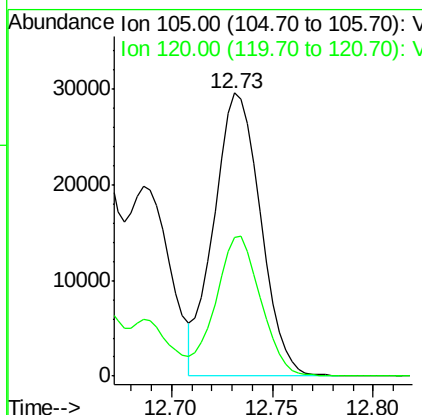
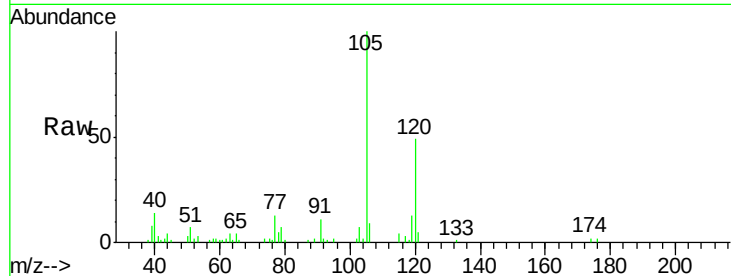




#80
 1,3,5-Trimethylbenzene
 Concen: 1.809 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054039.D
 Acq: 1 Mar 2019 19:42

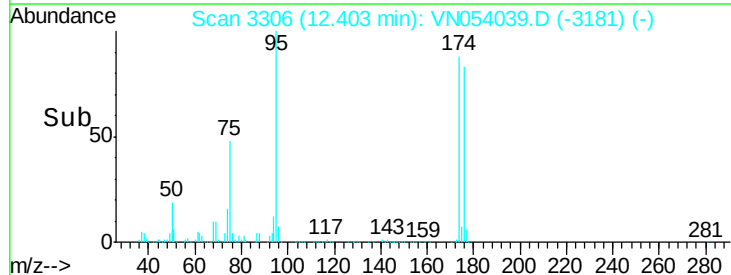
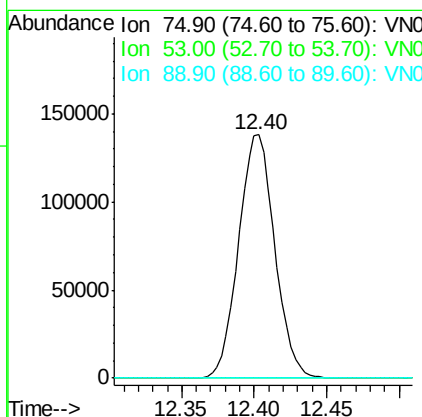
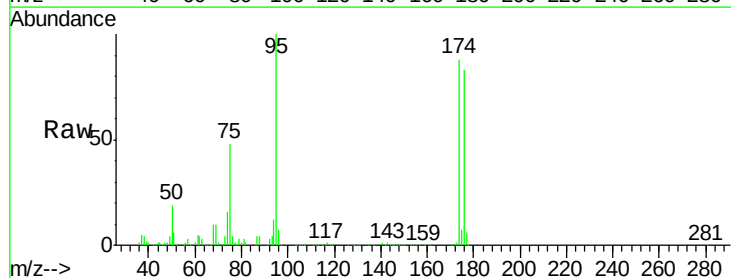
Instrument :
 MSVOA_N
 ClientSampleId :
 Z-3-14-B

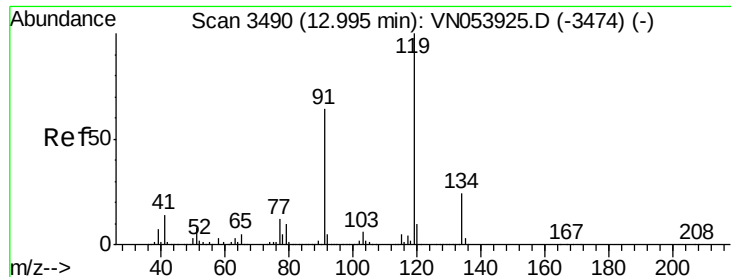
Tot Ion:105 Resp: 47869
 Ion Ratio Lower Upper
 105 100
 120 47.5 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.711 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN054039.D
 Acq: 1 Mar 2019 19:42

Tgt Ion: 75 Resp: 239683
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 102.8#
 89 0.0 35.3 52.9#





#83

tert-Butylbenzene

Concen: 0.746 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

Z-3-14-B

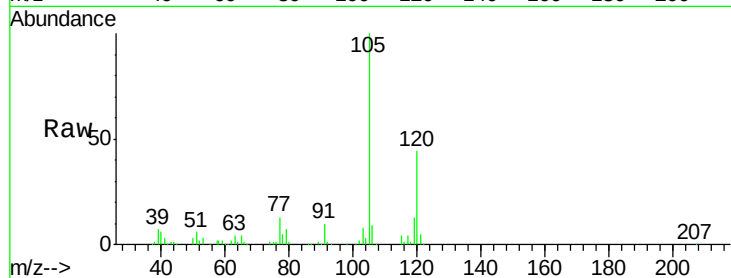
Tot Ion:119 Resp: 17472

Ion Ratio Lower Upper

119 100

91 80.8 30.6 91.8

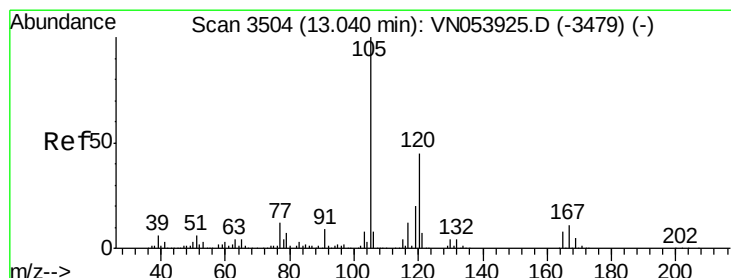
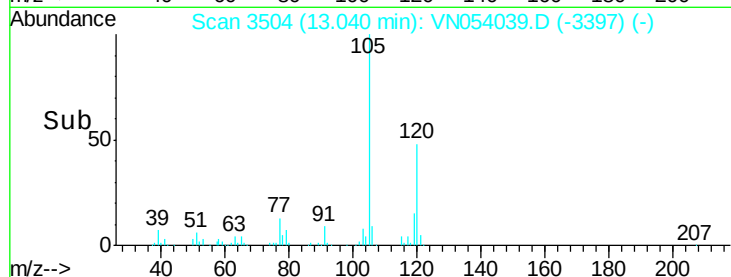
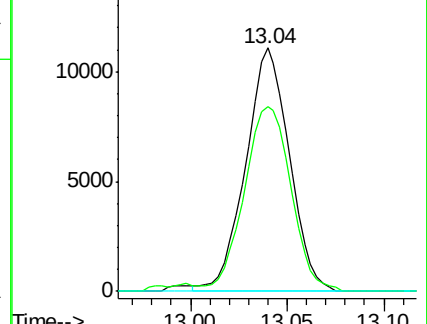
134 0.0 13.0 39.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.190 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054039.D

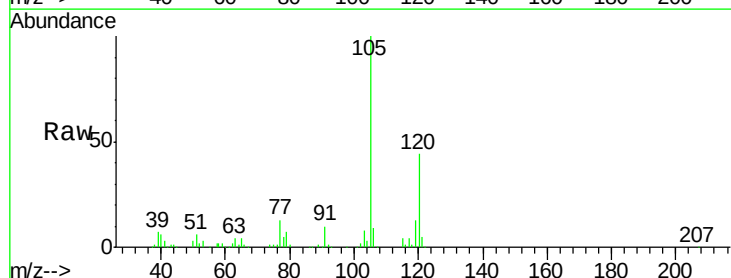
Acq: 1 Mar 2019 19:42

Tgt Ion:105 Resp: 137129

Ion Ratio Lower Upper

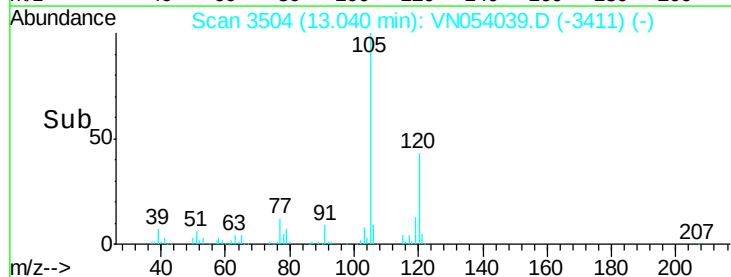
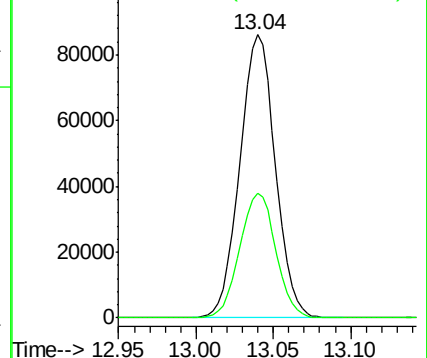
105 100

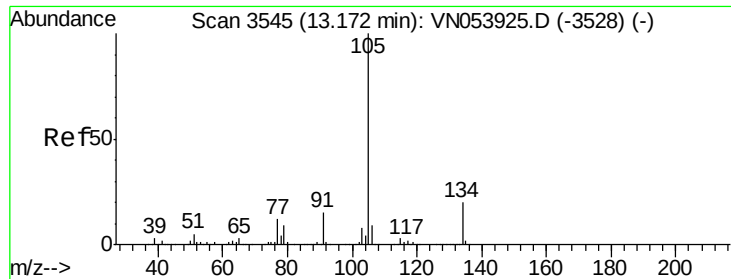
120 44.7 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.289 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

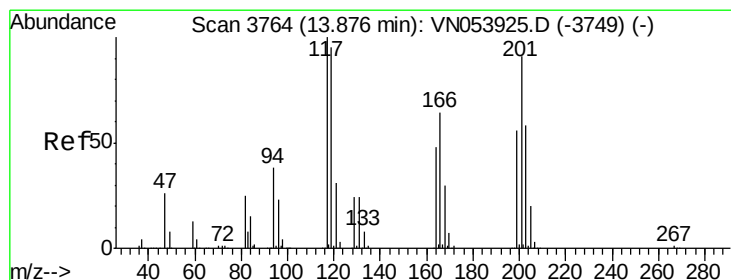
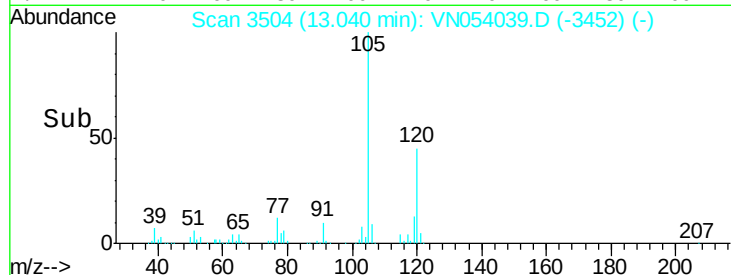
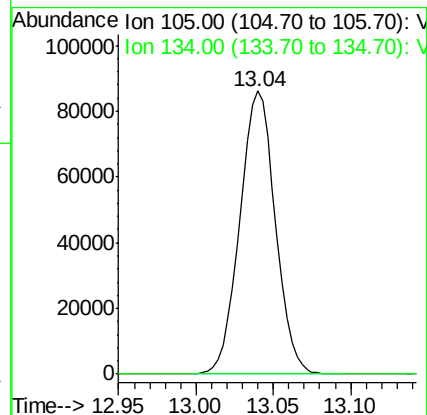
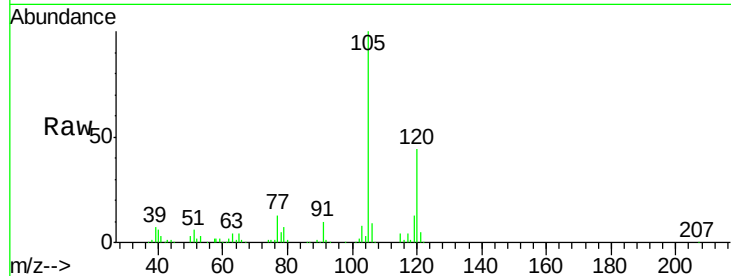
Z-3-14-B

Tot Ion:105 Resp: 137129

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#



#90

Hexachloroethane

Concen: 0.431 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054039.D

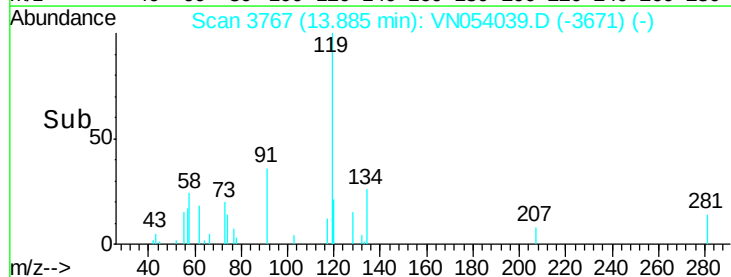
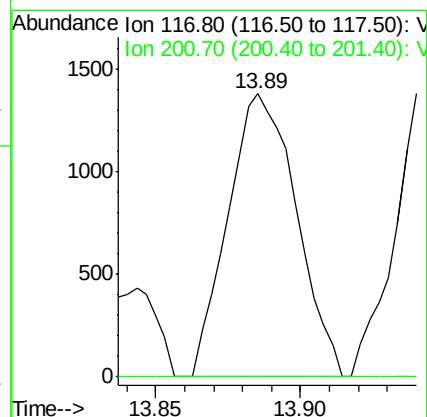
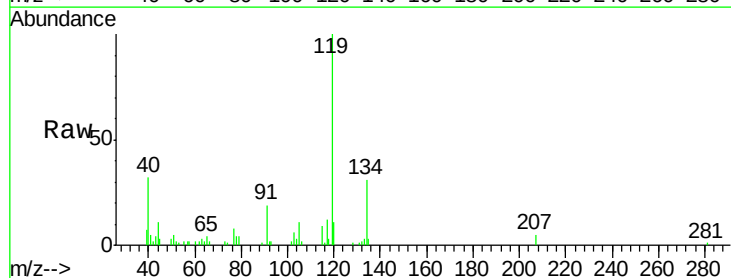
Acq: 1 Mar 2019 19:42

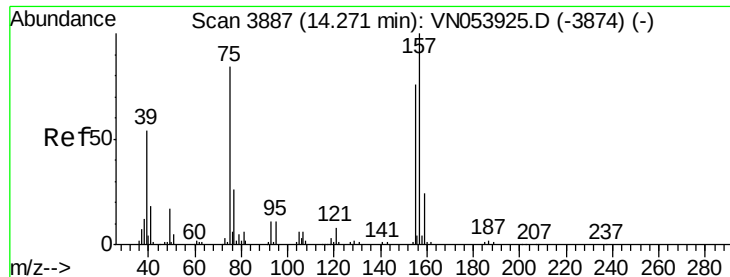
Tgt Ion:117 Resp: 2259

Ion Ratio Lower Upper

117 100

201 0.0 48.0 144.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.323 ug/l

RT: 14.48 min Scan# 3951

Delta R.T. 0.21 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

Z-3-14-B

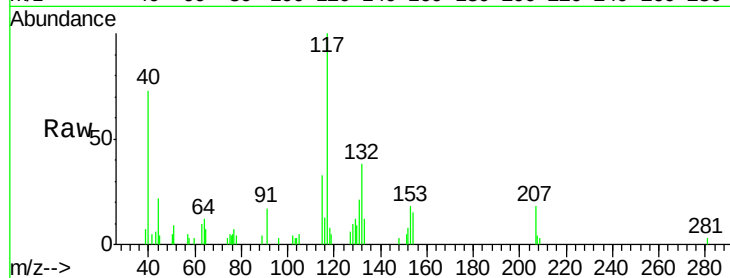
Tot Ion: 75 Resp: 369

Ion Ratio Lower Upper

75 100

155 44.4 49.5 148.5#

157 0.0 64.8 194.6#

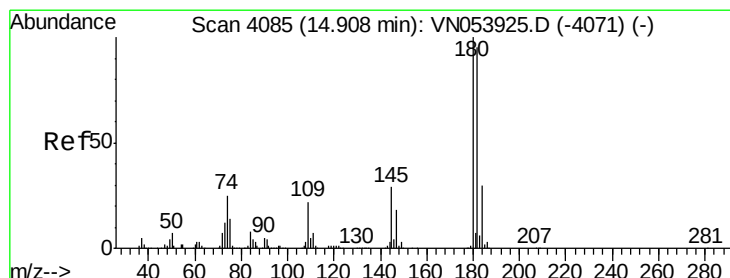
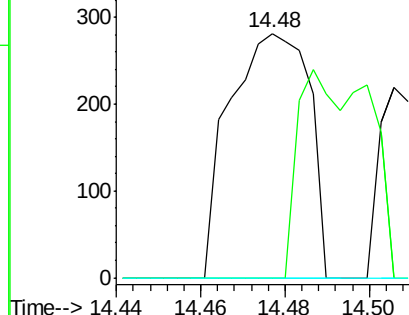
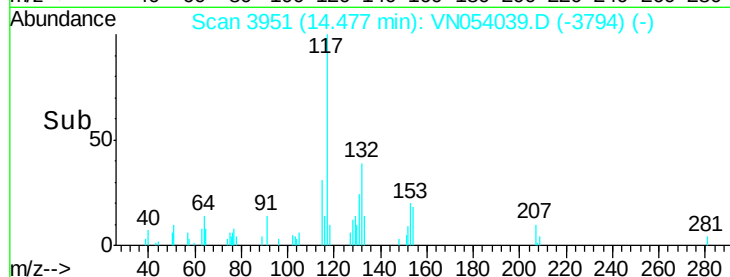


Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-3874) (-)

Ion 154.80 (154.50 to 155.50): VN053925.D (-3874) (-)

Ion 156.80 (156.50 to 157.50): VN053925.D (-3874) (-)

Time--> 14.44 14.46 14.48 14.50



#93

1,2,4-Trichlorobenzene

Concen: 2.304 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

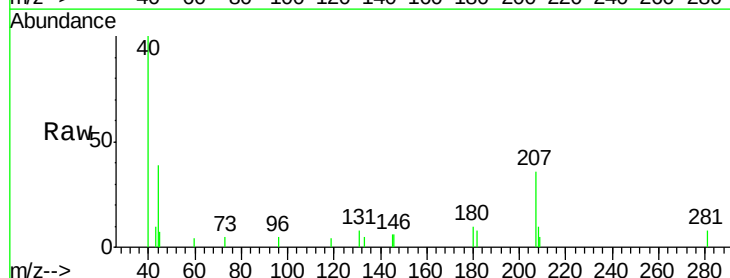
Tgt Ion: 180 Resp: 647

Ion Ratio Lower Upper

180 100

182 39.6 48.6 145.9#

145 100.2 13.8 41.3#

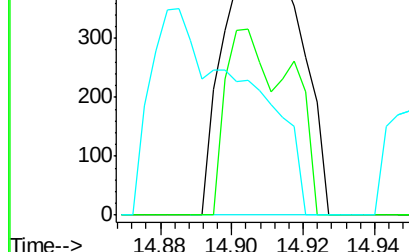
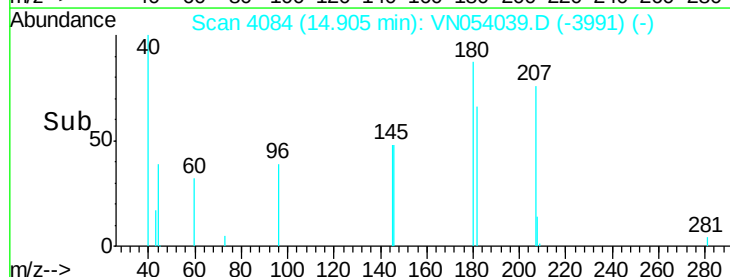


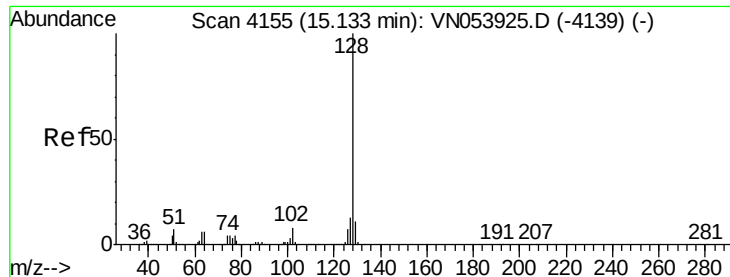
Abundance Ion 179.80 (179.50 to 180.50): VN053925.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053925.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053925.D (-4071) (-)

Time--> 14.88 14.90 14.92 14.94





#95

Naphthalene

Concen: 4.755 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

Instrument :

MSVOA_N

ClientSampled :

Z-3-14-B

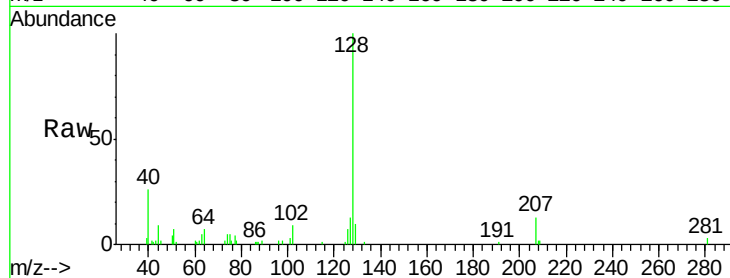
Tot Ion:128 Resp: 27123

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

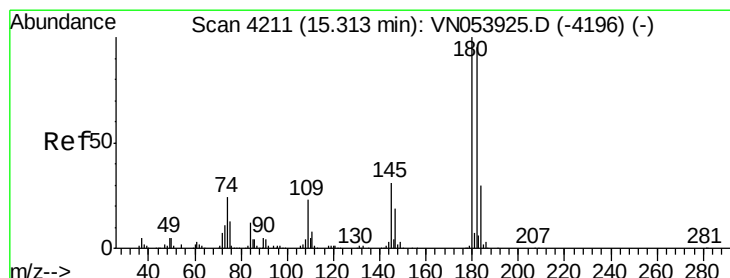
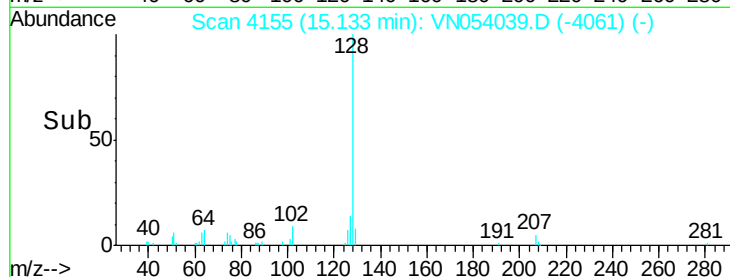
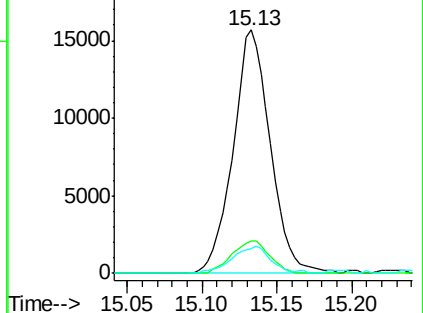
129 11.6 8.6 12.8



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: 1.635 ug/l

RT: 15.32 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN054039.D

Acq: 1 Mar 2019 19:42

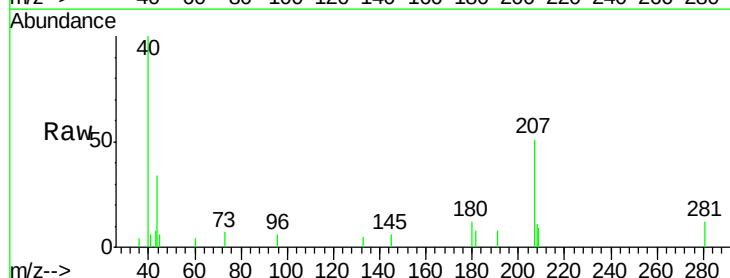
Tgt Ion:180 Resp: 585

Ion Ratio Lower Upper

180 100

182 94.5 47.3 141.8

145 11.5 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

