

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022219\
 Data File : VN053919.D
 Acq On : 22 Feb 2019 16:39
 Operator : JC/SP
 Sample : K1544-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 22 22:16:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	720517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1151915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1105339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	550812	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	355919	48.34	ug/l	0.00
Spiked Amount						
			Recovery	=	96.68%	
35) Dibromofluoromethane	7.59	113	357177	47.25	ug/l	0.00
Spiked Amount						
			Recovery	=	94.50%	
50) Toluene-d8	10.09	98	1385818	50.75	ug/l	0.00
Spiked Amount						
			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	519301	57.61	ug/l	0.00
Spiked Amount						
			Recovery	=	115.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	6210	1.489	ug/l #	3
11) Tert butyl alcohol	4.77	59	57547	125.189	ug/l	98
13) Acrolein	3.62	56	8837	26.897	ug/l #	14
14) Allyl chloride	4.31	41	4446	0.439	ug/l #	26
16) Acetone	3.81	43	658296	325.063	ug/l #	61
17) Carbon Disulfide	4.06	76	19431	0.938	ug/l	95
18) Methyl Acetate	4.32	43	343909	71.954	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	6045	0.356	ug/l #	16
20) Methylene Chloride	4.55	84	2562	0.338	ug/l	89
22) Diisopropyl ether	6.07	45	690700	36.615	ug/l #	1
23) Vinyl Acetate	6.07	43	1536845	113.326	ug/l #	70
25) 2-Butanone	6.83	43	314091	120.195	ug/l	100
29) Tetrahydrofuran	7.23	42	28538	16.886	ug/l #	31
31) Cyclohexane	7.66	56	32890	2.298	ug/l #	56
36) 1,1-Dichloropropene	7.66	75	43300	4.101	ug/l #	47
37) Ethyl Acetate	6.93	43	198417	31.302	ug/l	98
38) Carbon Tetrachloride	7.67	117	59088	5.602	ug/l #	17
39) Methylcyclohexane	9.08	83	14774	1.214	ug/l	96
40) Benzene	8.04	78	4540218	145.453	ug/l	99
41) Methacrylonitrile	7.23	41	11114	2.988	ug/l #	100
42) 1,2-Dichloroethane	8.04	62	34152	3.670	ug/l	74
43) Isopropyl Acetate	8.25	43	339642	30.157	ug/l #	58
48) Methyl methacrylate	9.17	41	75843	15.706	ug/l #	31
49) 1,4-Dioxane	9.20	88	3174	61.876	ug/l #	25
51) 4-Methyl-2-Pentanone	10.11	43	42038	13.596	ug/l #	49
52) Toluene	10.16	92	5352881	289.381	ug/l	99
53) t-1,3-Dichloropropene	10.27	75	6243	0.635	ug/l #	63
55) 1,1,2-Trichloroethane	10.52	97	3003	0.444	ug/l #	21
56) Ethyl methacrylate	10.42	69	737	2.547	ug/l #	29
57) 1,3-Dichloropropane	10.77	76	5117	0.449	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.71	63	367	13.063	ug/l #	47
59) 2-Hexanone	10.77	43	61483	17.400	ug/l	61
60) Dibromochloromethane	10.85	129	3848	0.488	ug/l #	11
66) 1,1,1,2-Tetrachloroethane	11.54	131	8567	1.015	ug/l #	8

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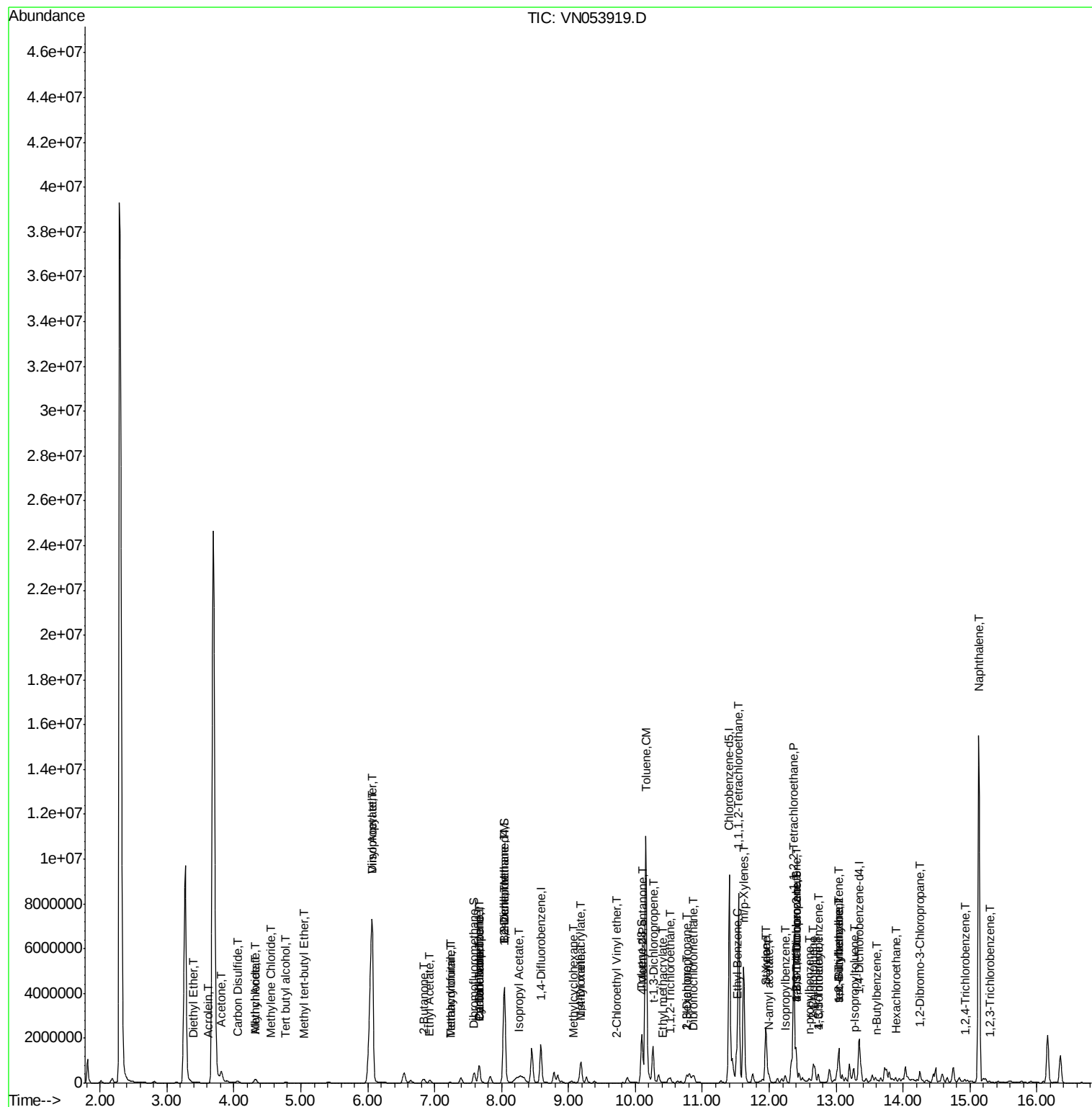
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

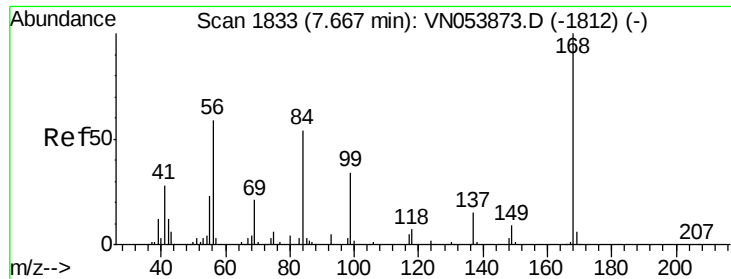
67) Ethyl Benzene	11.51	91	1027329	27.437	ug/l	99
68) m/p-Xylenes	11.62	106	1797557	123.987	ug/l	99
69) o-Xylene	11.95	106	647772	46.411	ug/l	99
70) Styrene	11.96	104	299624	13.680	ug/l #	75
73) Isopropylbenzene	12.25	105	51729	1.333	ug/l	99
74) N-amyl acetate	11.99	43	62028	6.961	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.37	83	3301164	359.835	ug/l #	32
76) 1,2,3-Trichloropropane	12.40	75	256831	31.763	ug/l #	100
78) n-propylbenzene	12.59	91	125479	2.892	ug/l	98
79) 2-Chlorotoluene	12.65	91	45985	1.758	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	216326	6.716	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	256831	104.858	ug/l #	15
82) 4-Chlorotoluene	12.73	91	21477	0.824	ug/l #	39
83) tert-Butylbenzene	13.04	119	104520	3.614	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	867659	26.858	ug/l	98
85) sec-Butylbenzene	13.04	105	867659	22.281	ug/l #	56
86) p-Isopropyltoluene	13.29	119	36017	1.066	ug/l	99
89) n-Butylbenzene	13.61	91	15976	0.575	ug/l #	74
90) Hexachloroethane	13.89	117	4688	0.726	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2570	1.920	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	205	2.945	ug/l #	1
95) Naphthalene	15.13	128	14185433	593.804	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	107	2.574	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: VN053919.D

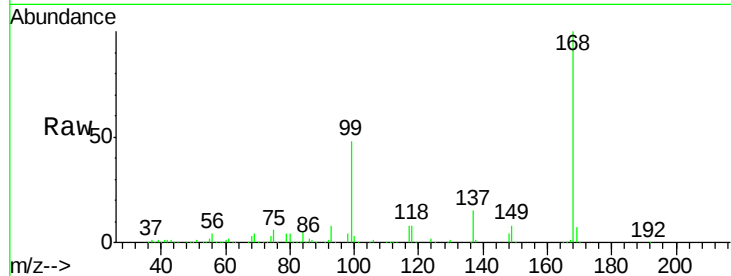
Acq: 22 Feb 2019 16:39

Tot Ion:168 Resp: 720517

Ion Ratio Lower Upper

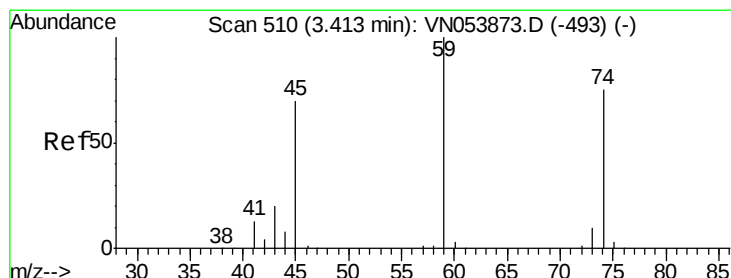
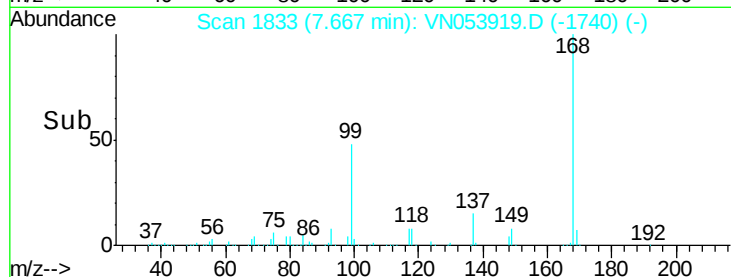
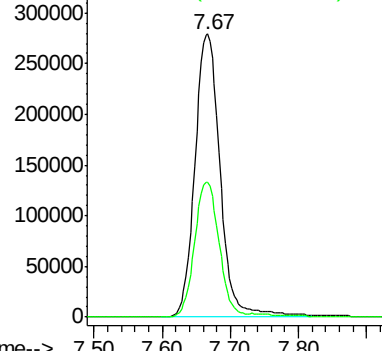
168 100

99 47.8 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 1.489 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN053919.D

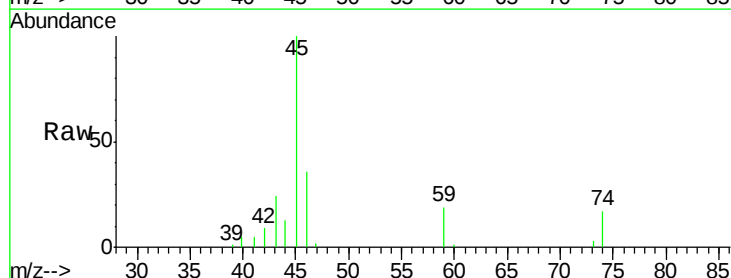
Acq: 22 Feb 2019 16:39

Tgt Ion: 74 Resp: 6210

Ion Ratio Lower Upper

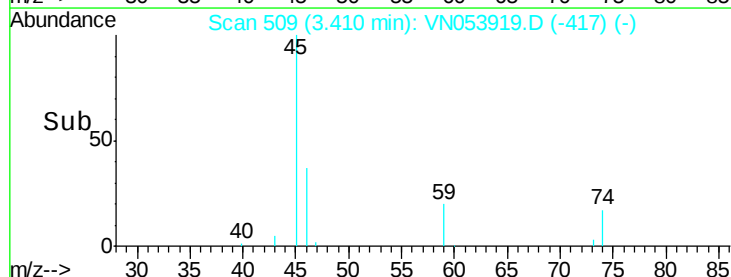
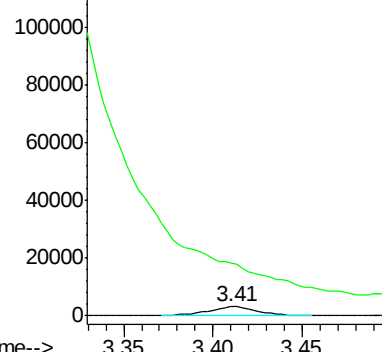
74 100

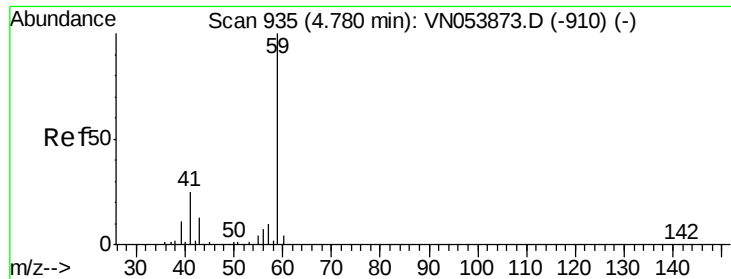
45 0.0 46.9 140.6#



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

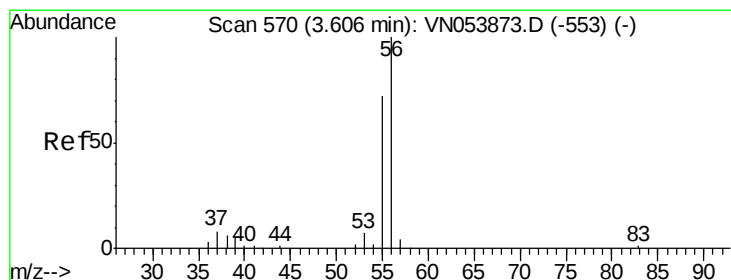
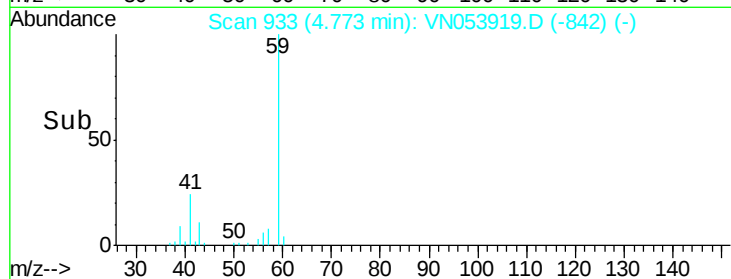
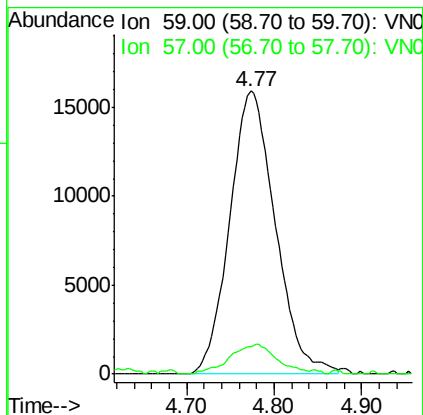
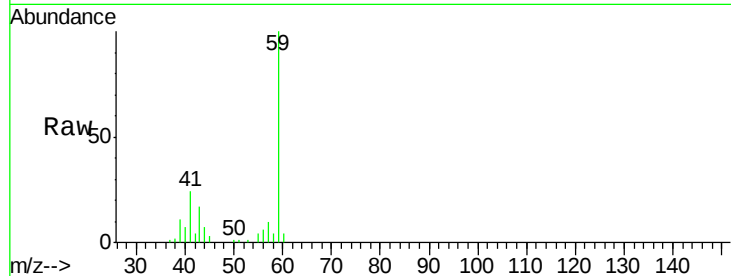




#11

Tert butyl alcohol
 Concen: 125.189 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

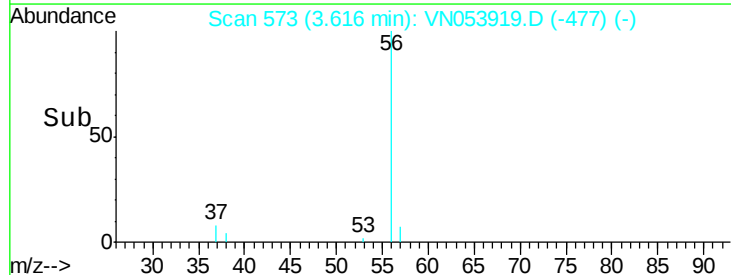
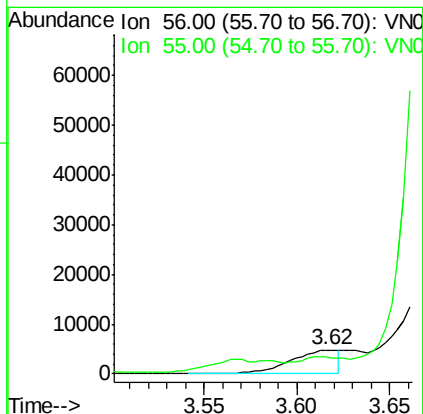
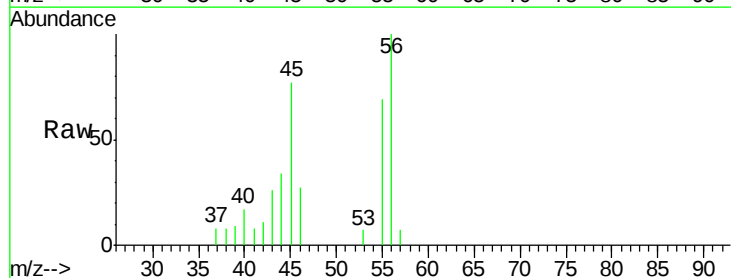
Tot Ion: 59 Resp: 57547
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.1 12.1

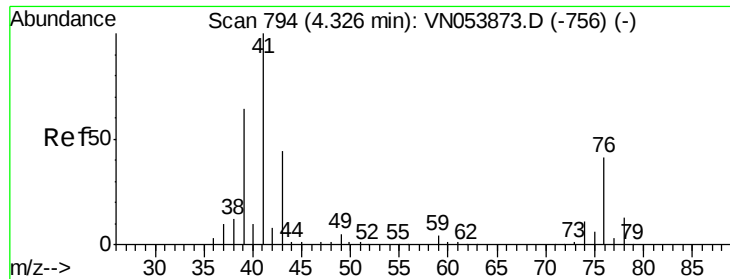


#13

Acrolein
 Concen: 26.897 ug/l
 RT: 3.62 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

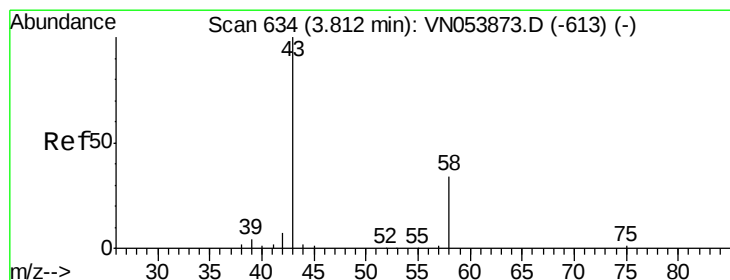
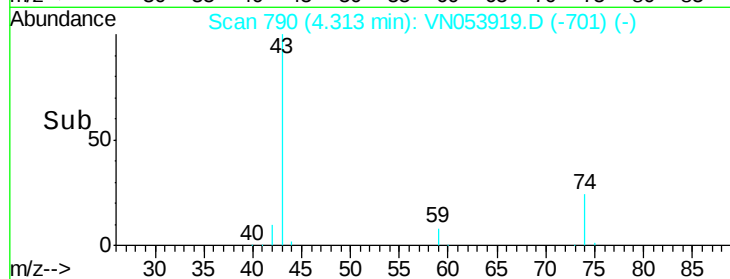
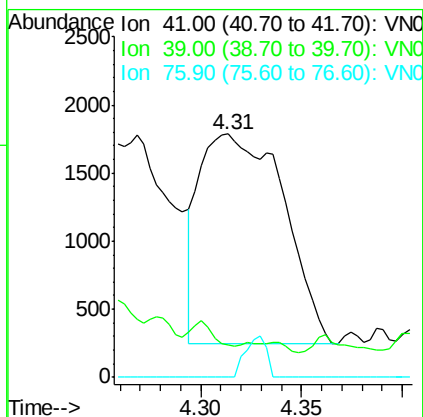
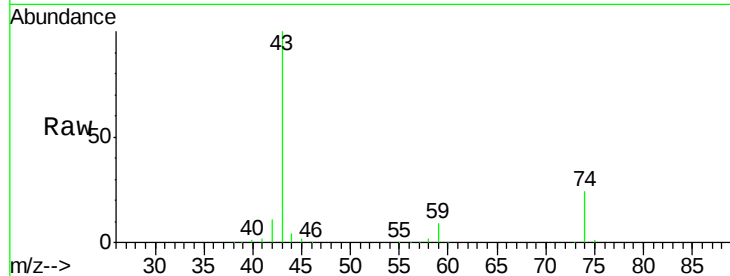
Tgt Ion: 56 Resp: 8837
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.3 84.5#





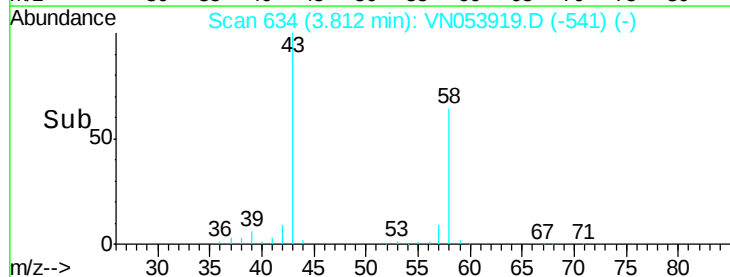
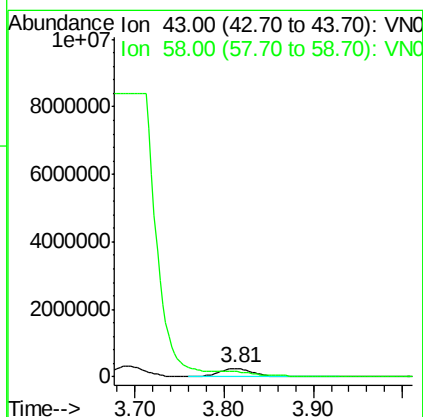
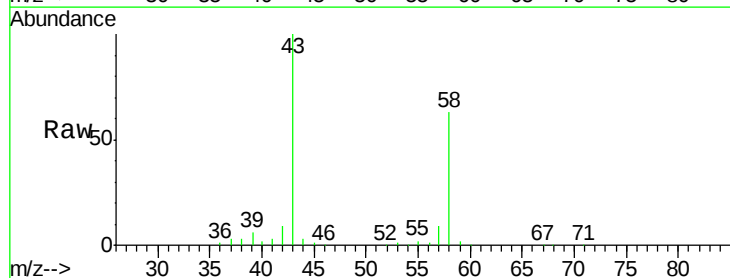
#14
Allvl chloride
Concen: 0.439 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.01 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

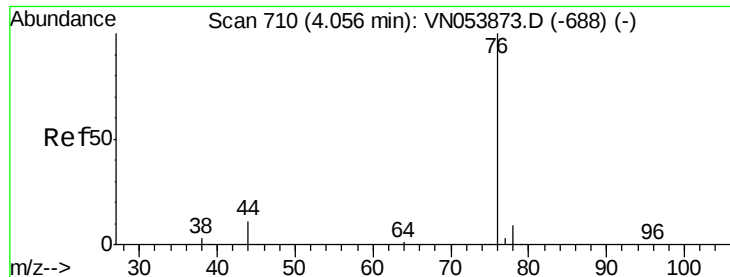
Tot Ion: 41 Resp: 4446
Ion Ratio Lower Upper
41 100
39 0.0 48.8 73.2#
76 0.0 30.9 46.3#



#16
Acetone
Concen: 325.063 ug/l
RT: 3.81 min Scan# 634
Delta R.T. -0.00 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

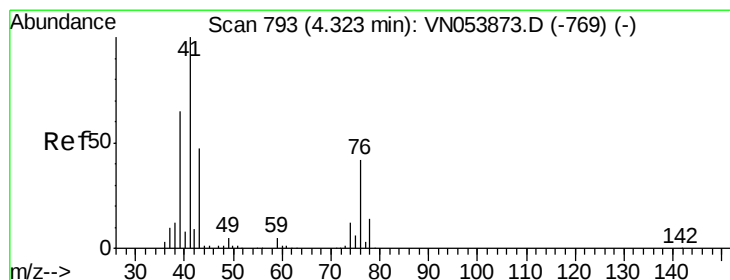
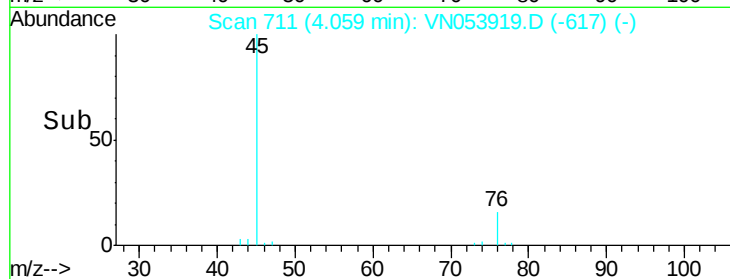
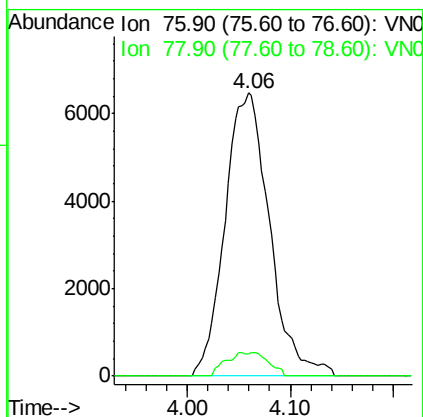
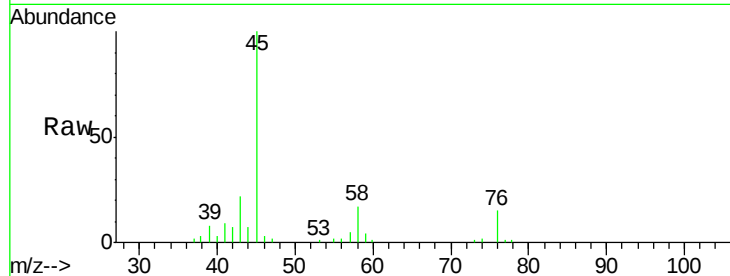
Tgt Ion: 43 Resp: 658296
Ion Ratio Lower Upper
43 100
58 56.8 27.6 41.4#





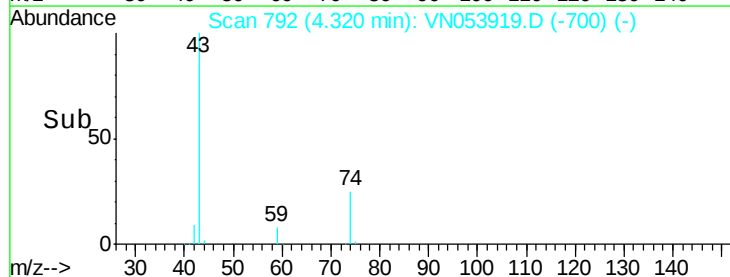
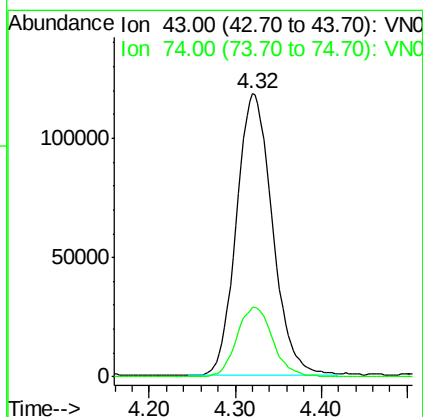
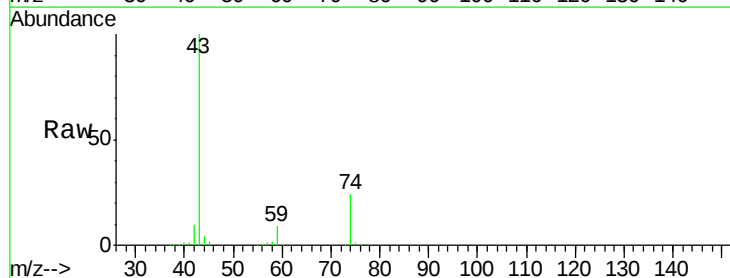
#17
Carbon Disulfide
Concen: 0.938 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

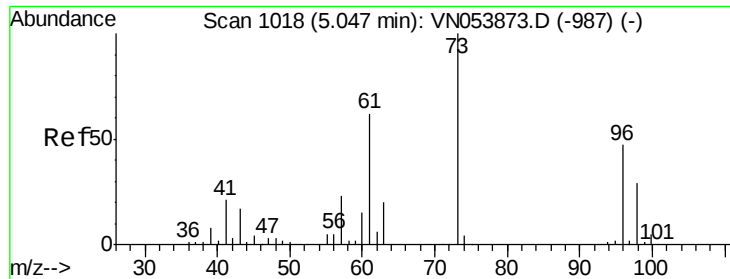
Tot Ion: 76 Resp: 19431
Ion Ratio Lower Upper
76 100
78 7.7 7.5 11.3



#18
Methyl Acetate
Concen: 71.954 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tgt Ion: 43 Resp: 343909
Ion Ratio Lower Upper
43 100
74 24.9 20.5 30.7

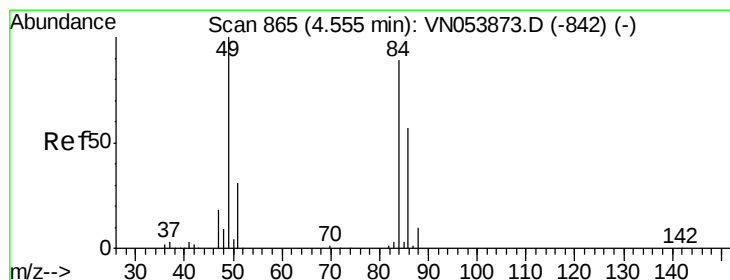
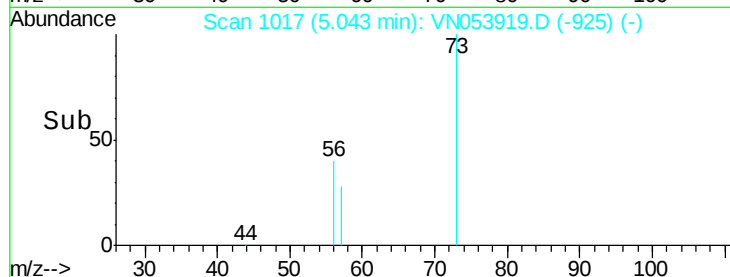
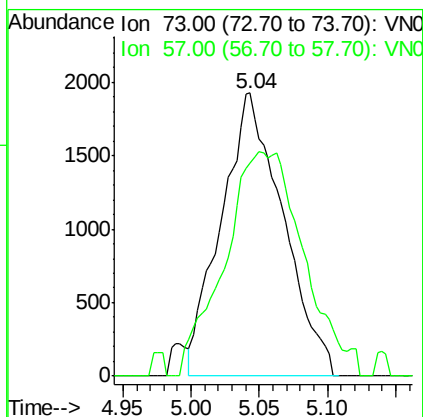
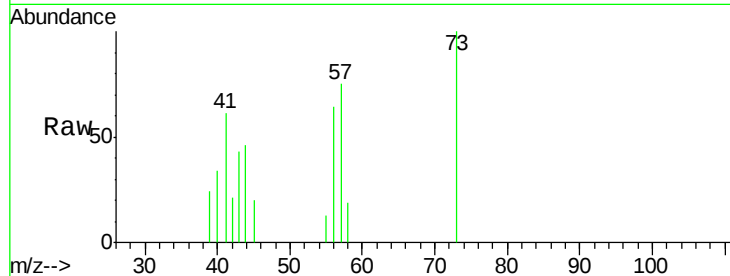




#19

Methyl tert-butyl Ether
 Concen: 0.356 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

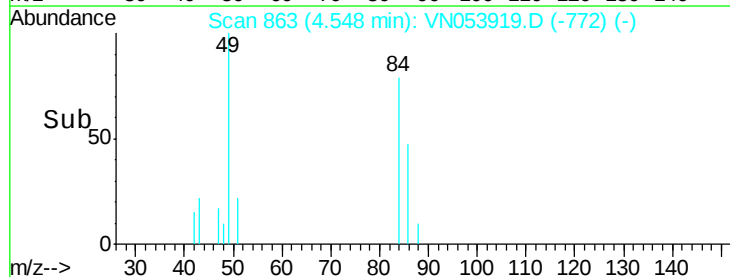
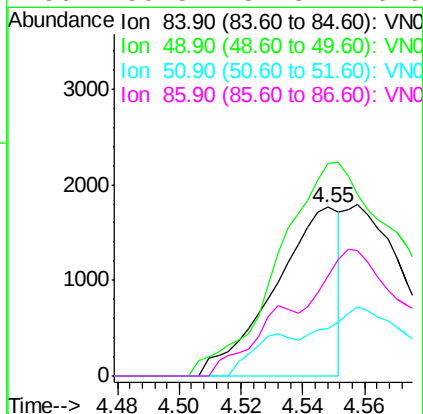
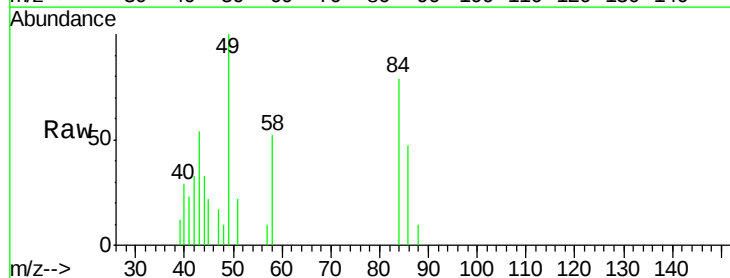
Tot Ion: 73 Resp: 6045
 Ion Ratio Lower Upper
 73 100
 57 63.0 18.0 27.0#

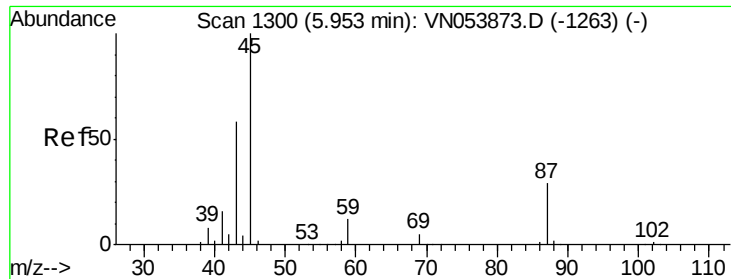


#20

Methylene Chloride
 Concen: 0.338 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

Tgt Ion: 84 Resp: 2562
 Ion Ratio Lower Upper
 84 100
 49 126.2 89.7 134.5
 51 28.2 27.8 41.8
 86 59.5 51.3 76.9





#22

Diisopropyl ether

Concen: 36.615 ug/l

RT: 6.07 min Scan# 1335

Delta R.T. 0.11 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

Tot Ion: 45 Resp: 690700

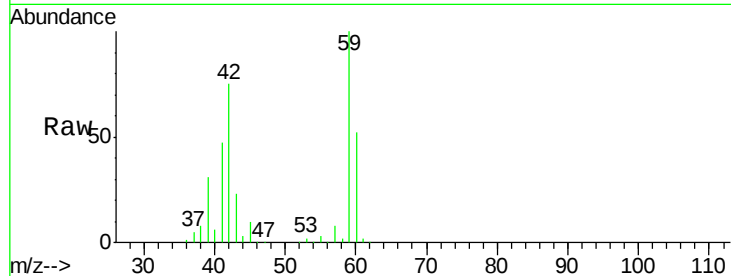
Ion Ratio Lower Upper

45 100

43 217.2 46.2 69.4#

87 0.0 23.4 35.0#

59 960.3 9.4 14.0#

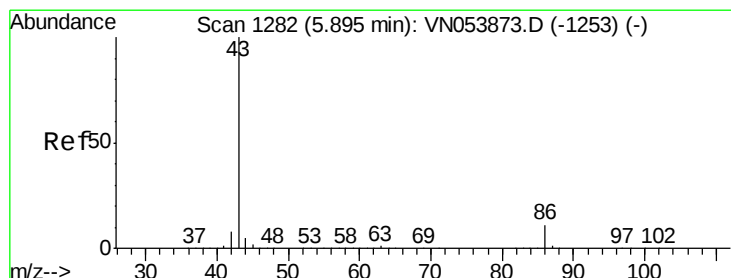
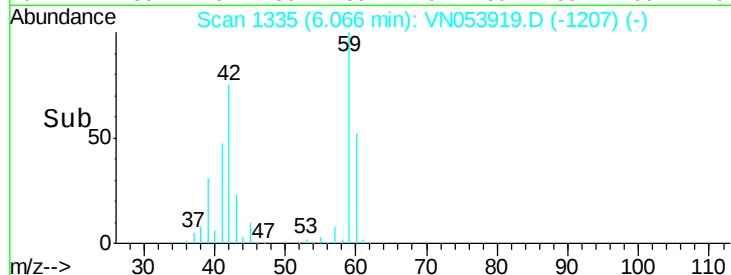
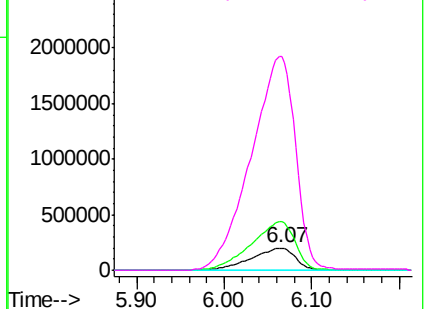


Abundance Ion 45.00 (44.70 to 45.70): VN053919.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN053919.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN053919.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN053919.D (-1207) (-)



#23

Vinyl Acetate

Concen: 113.326 ug/l

RT: 6.07 min Scan# 1335

Delta R.T. 0.17 min

Lab File: VN053919.D

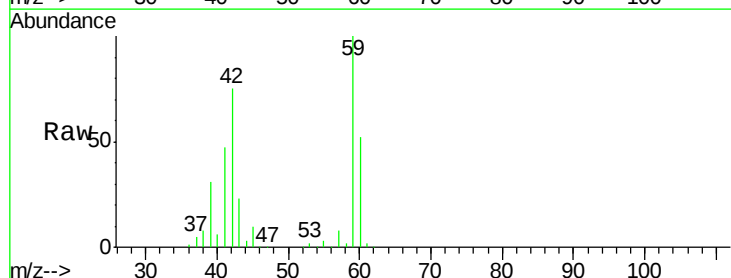
Acq: 22 Feb 2019 16:39

Tgt Ion: 43 Resp: 1536845

Ion Ratio Lower Upper

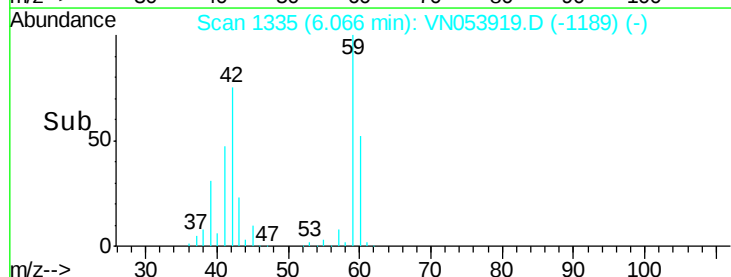
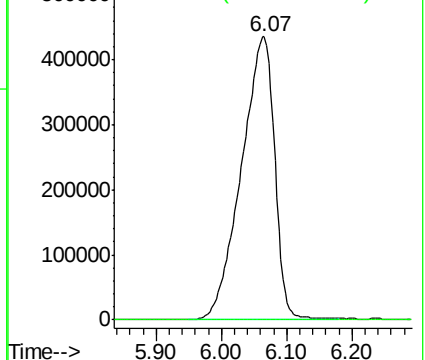
43 100

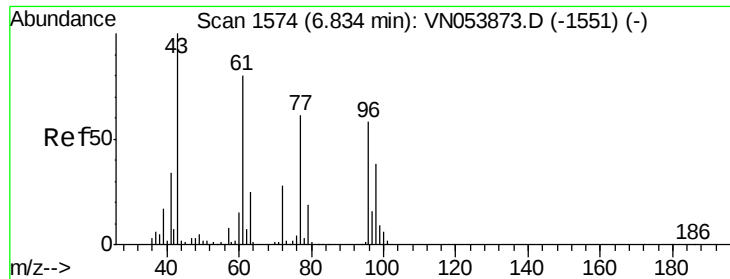
86 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN053919.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN053919.D (-1189) (-)





#25

2-Butanone

Concen: 120.195 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053919.D

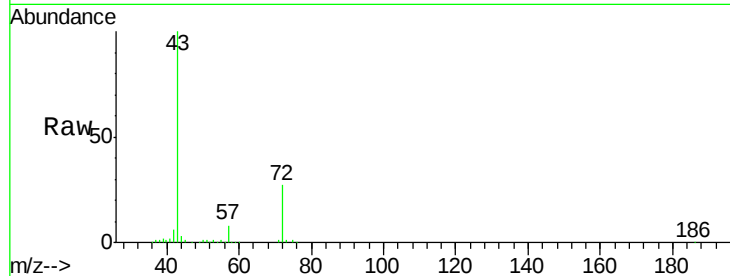
Acq: 22 Feb 2019 16:39

Tot Ion: 43 Resp: 314091

Ion Ratio Lower Upper

43 100

72 27.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

120000

100000

80000

60000

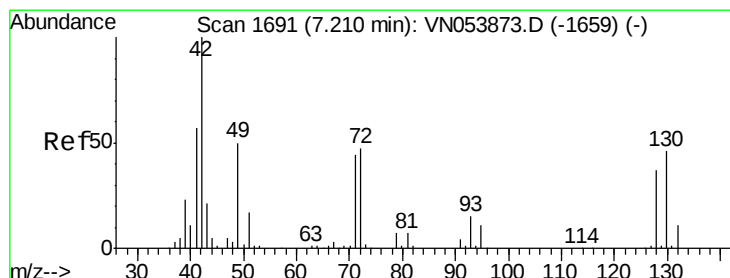
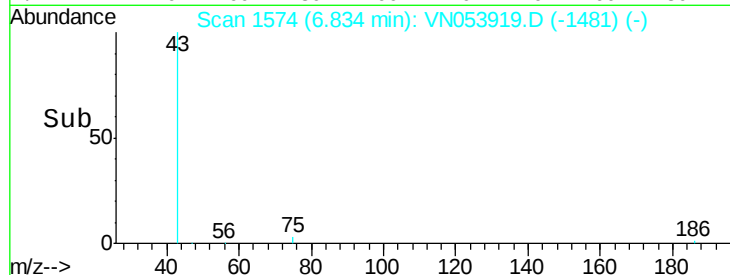
40000

20000

0

Time-->

6.75 6.80 6.85 6.90



#29

Tetrahydrofuran

Concen: 16.886 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

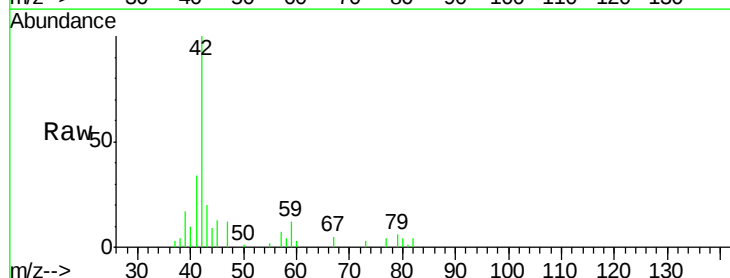
Tgt Ion: 42 Resp: 28538

Ion Ratio Lower Upper

42 100

72 0.0 36.9 55.3#

71 0.0 34.6 52.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

15000

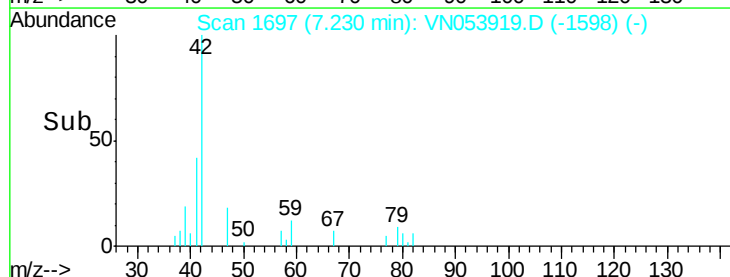
10000

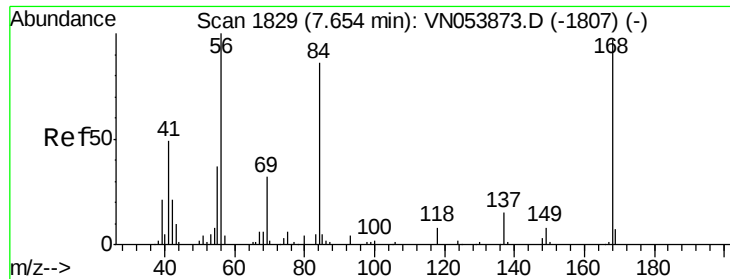
5000

0

Time-->

7.10 7.20 7.30





#31

Cyclohexane

Concen: 2.298 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

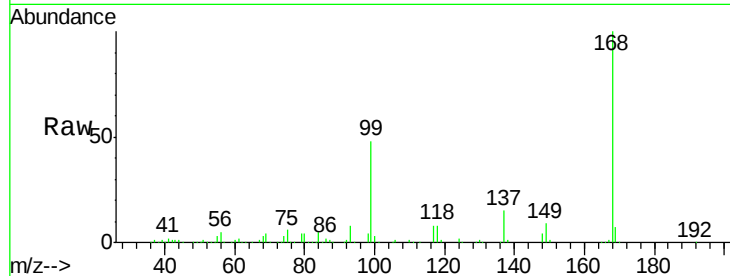
Tot Ion: 56 Resp: 32890

Ion Ratio Lower Upper

56 100

69 82.7 26.0 39.0#

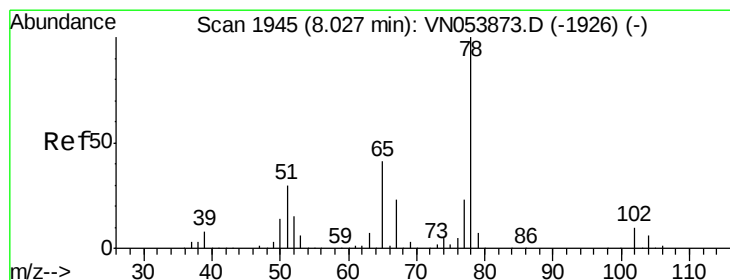
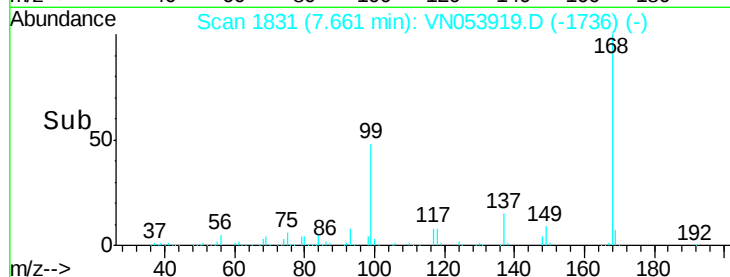
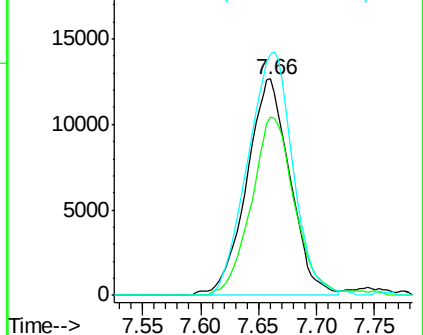
84 111.5 69.1 103.7#



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: 48.335 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053919.D

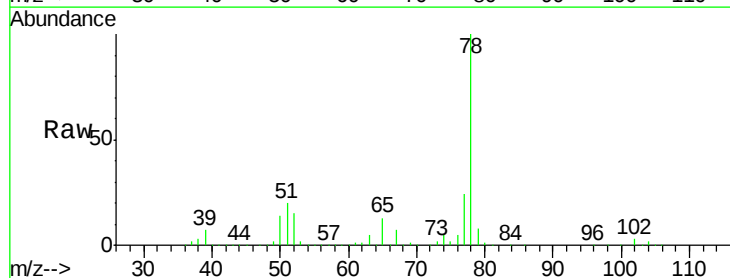
Acq: 22 Feb 2019 16:39

Tgt Ion: 65 Resp: 355919

Ion Ratio Lower Upper

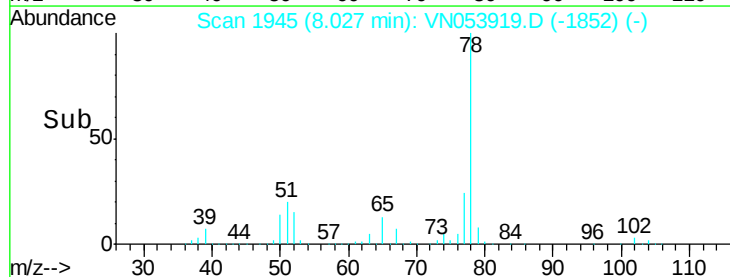
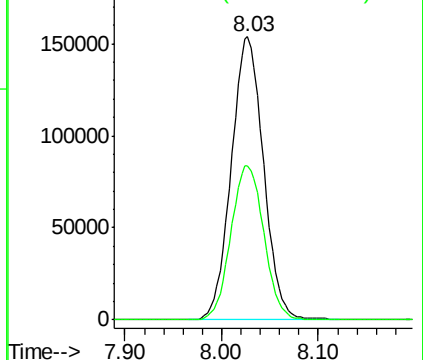
65 100

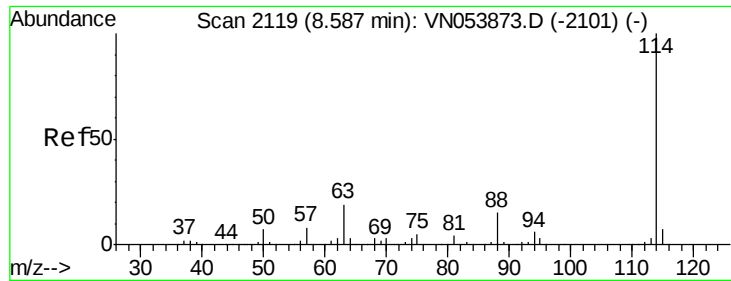
67 55.8 0.0 111.8



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

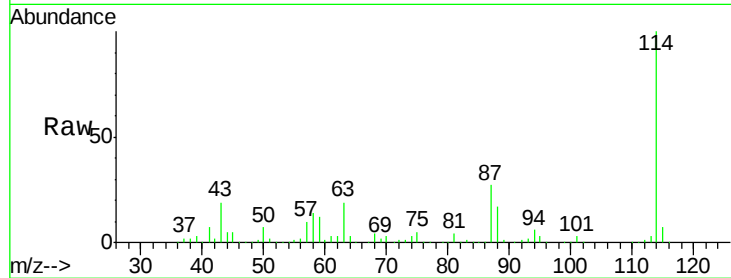
Delta R.T. -0.00 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

Tot Ion:114 Resp: 1151915

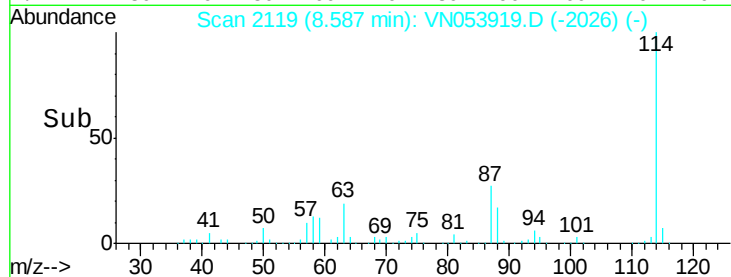
Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.4
88	16.7	0.0	30.4



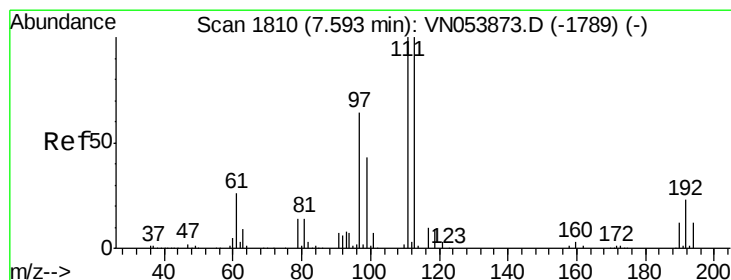
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



Time-->



#35

Dibromofluoromethane

Concen: 47.247 ug/l

RT: 7.59 min Scan# 1809

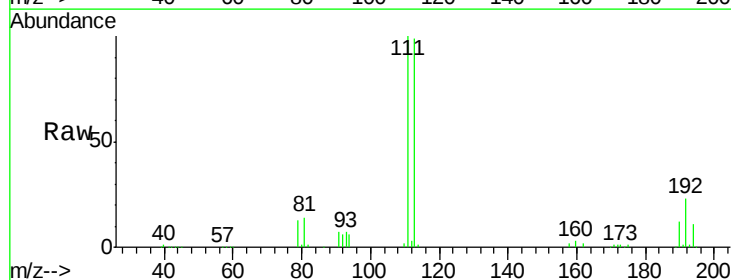
Delta R.T. -0.00 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

Tgt Ion:113 Resp: 357177

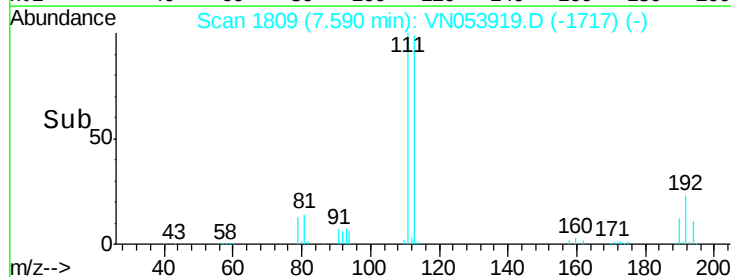
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	23.9	18.8	28.2



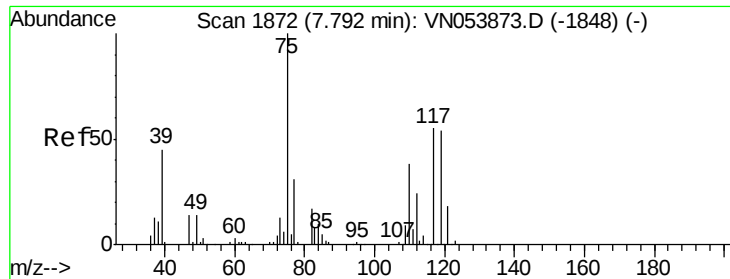
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

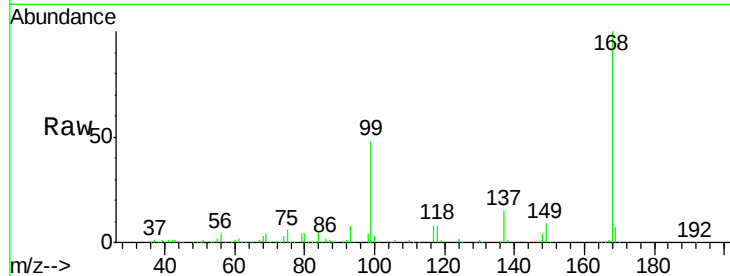


Time-->

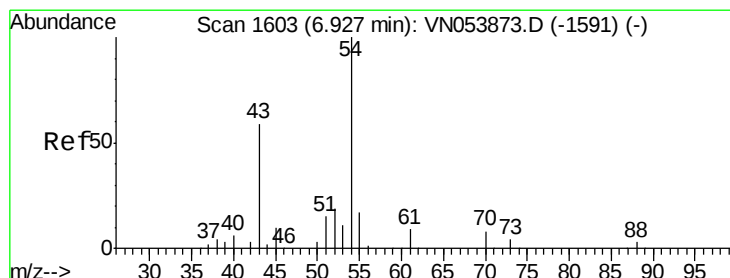
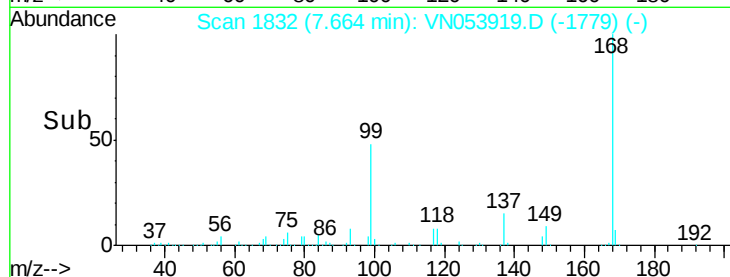
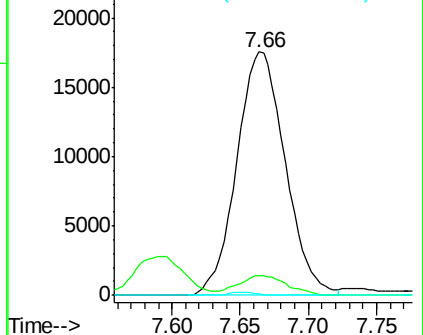


#36
 1,1-Dichloropropene
 Concen: 4.101 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

Tot Ion	75	Resp	43300
Ion Ratio	100	Lower	Upper
75	100		
110	8.2	19.0	57.0#
77	0.0	25.4	38.0#

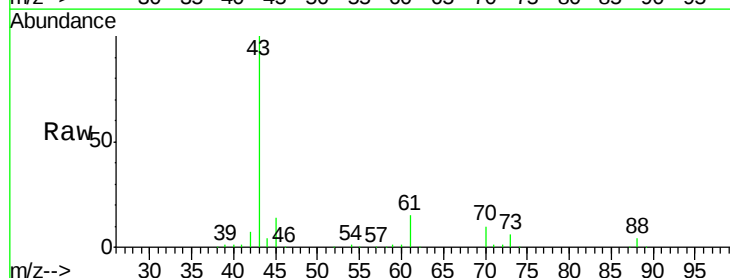


Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO

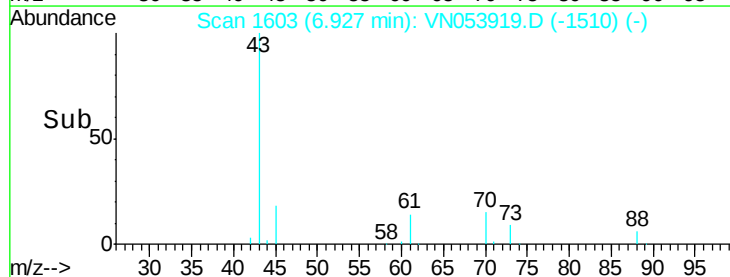
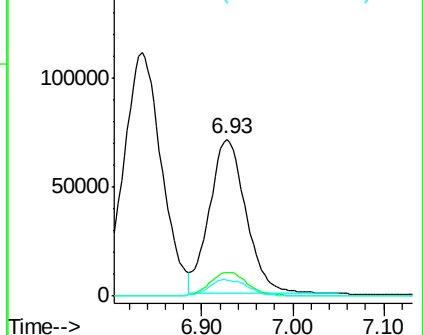


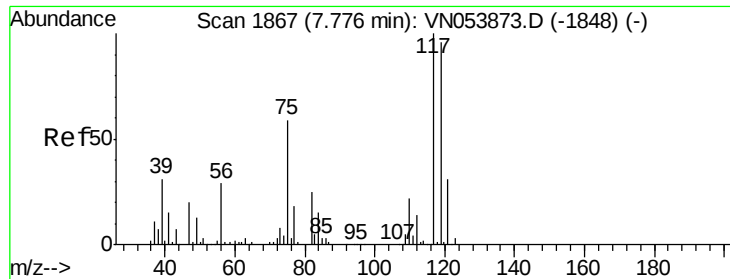
#37
 Ethyl Acetate
 Concen: 31.302 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

Tgt Ion	43	Resp	198417
Ion Ratio	100	Lower	Upper
43	100		
61	16.0	12.0	18.0
70	11.4	8.7	13.1



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 70.00 (69.70 to 70.70): VNO





#38

Carbon Tetrachloride

Concen: 5.602 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

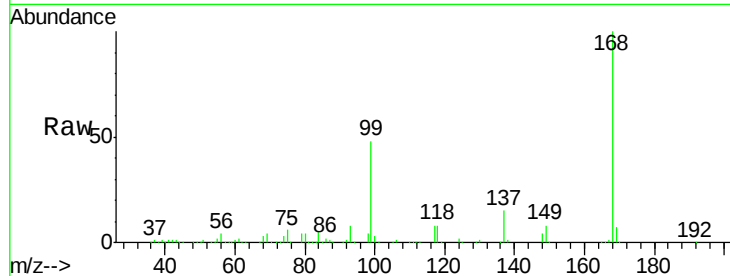
Tot Ion:117 Resp: 59088

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

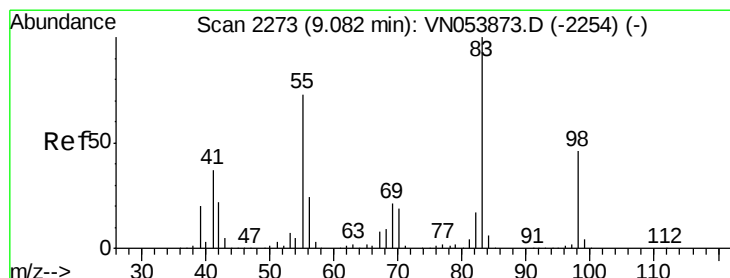
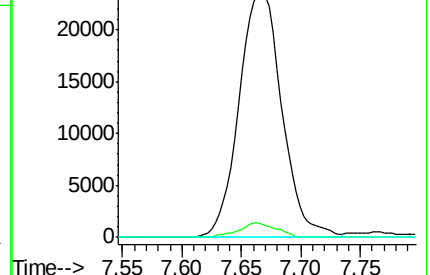
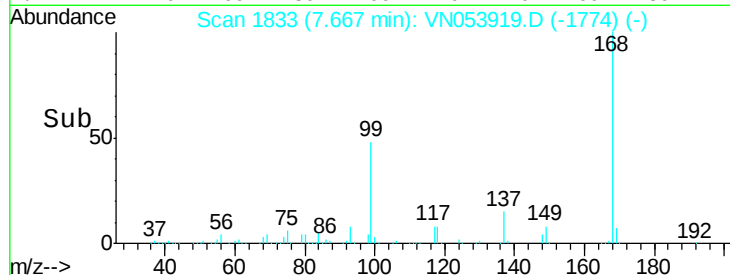
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 1.214 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

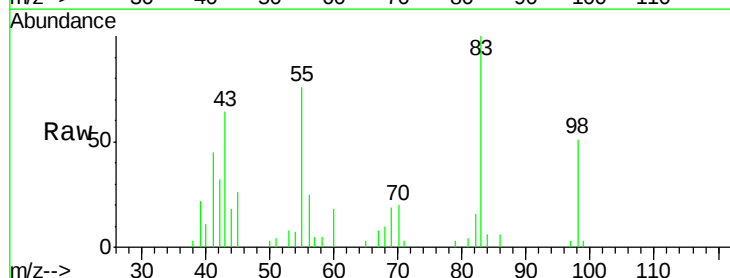
Tgt Ion: 83 Resp: 14774

Ion Ratio Lower Upper

83 100

55 71.7 58.2 87.4

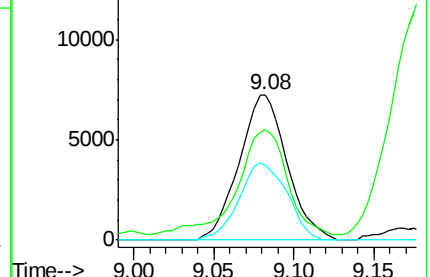
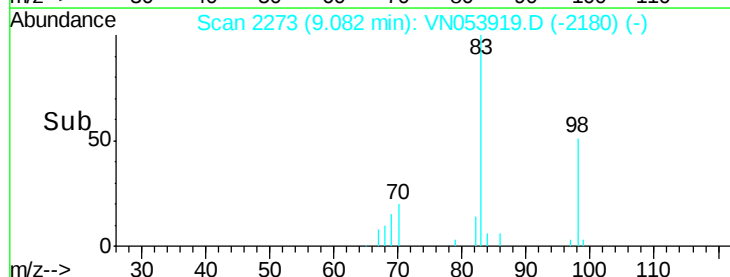
98 51.2 37.2 55.8

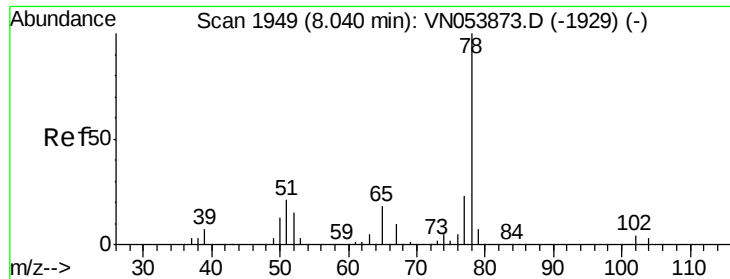


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 145.453 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053919.D

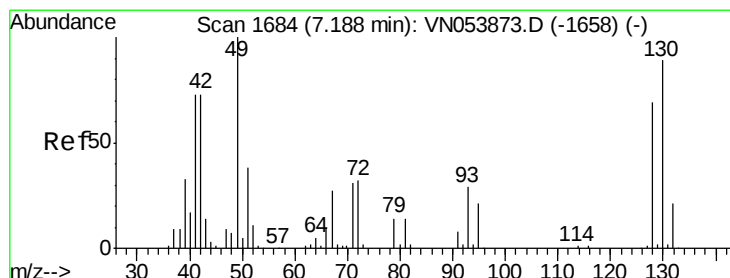
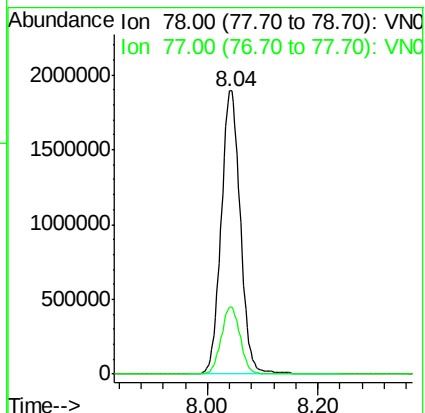
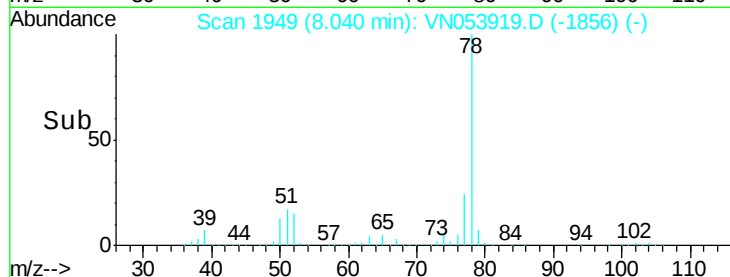
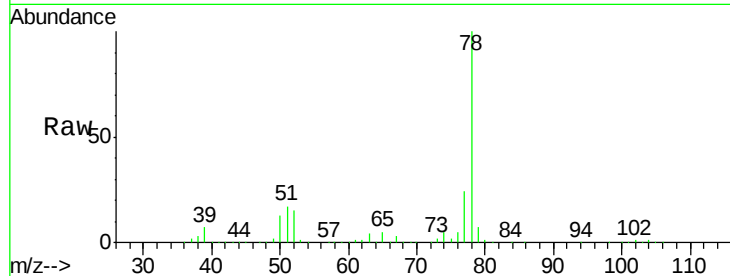
Acq: 22 Feb 2019 16:39

Tot Ion: 78 Resp: 4540218

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2



#41

Methacrylonitrile

Concen: 2.988 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.04 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

Tgt Ion: 41 Resp: 11114

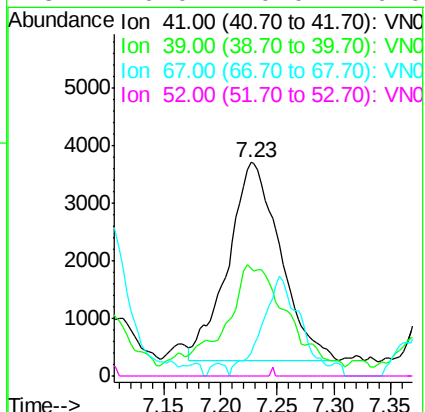
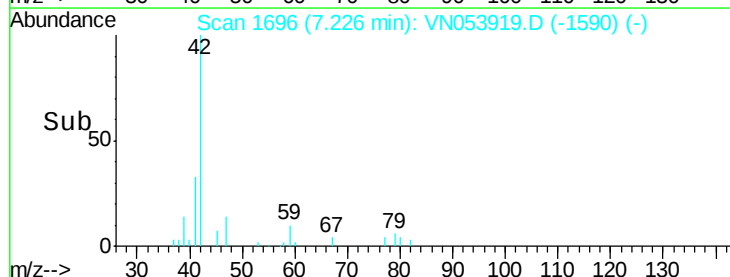
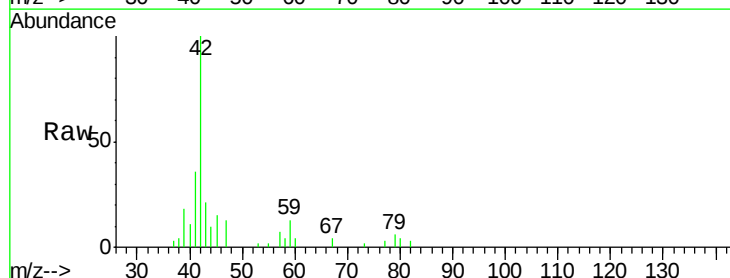
Ion Ratio Lower Upper

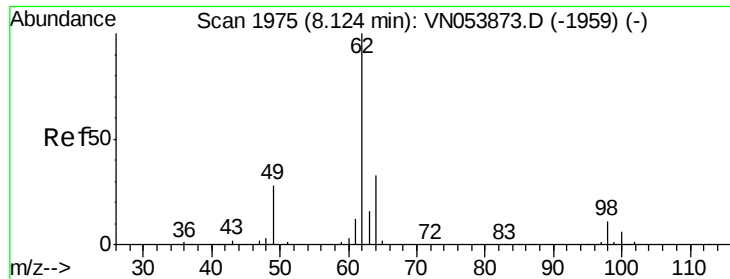
41 100

39 33.5 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#42

1,2-Dichloroethane

Concen: 3.670 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.08 min

Lab File: VN053919.D

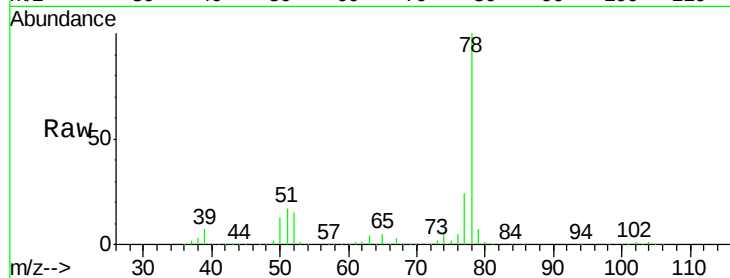
Acq: 22 Feb 2019 16:39

Tot Ion: 62 Resp: 34152

Ion Ratio Lower Upper

62 100

98 0.6 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

8.04

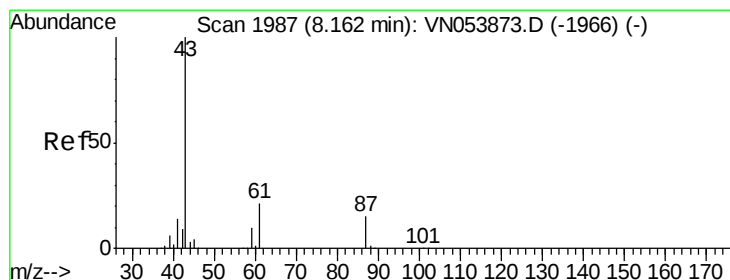
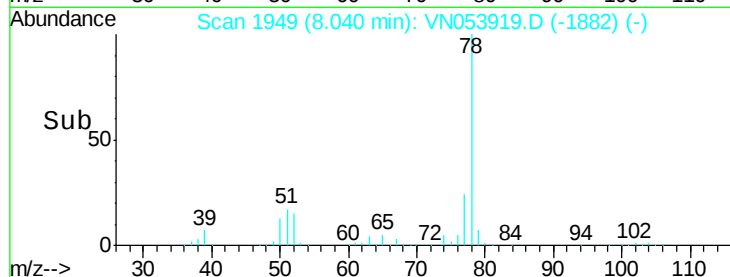
15000

10000

5000

0

Time-->



#43

Isopropyl Acetate

Concen: 30.157 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

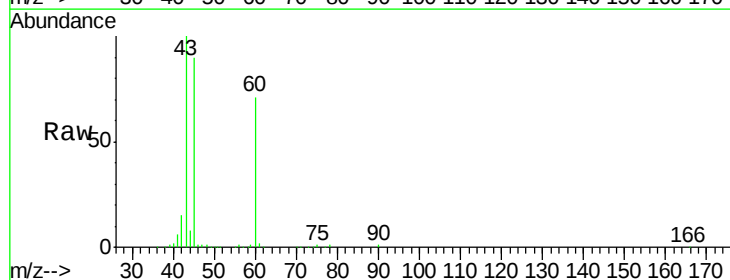
Tgt Ion: 43 Resp: 339642

Ion Ratio Lower Upper

43 100

61 0.0 17.4 26.0#

87 0.0 11.5 17.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

120000

100000

80000

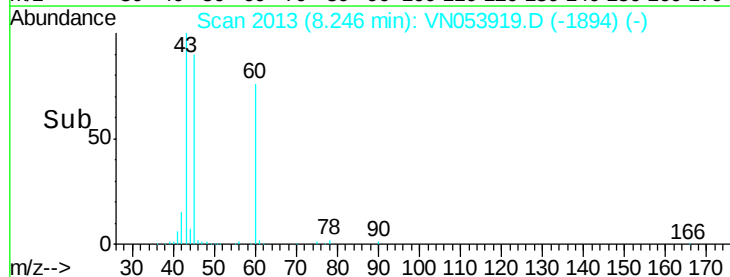
60000

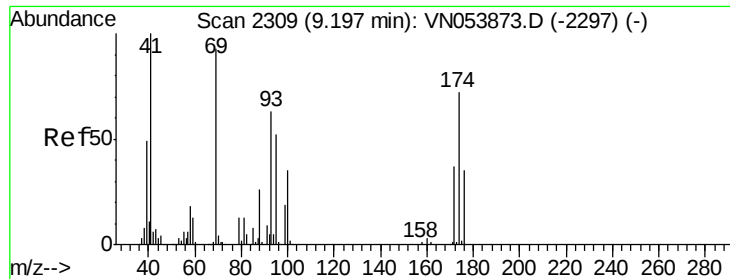
40000

20000

0

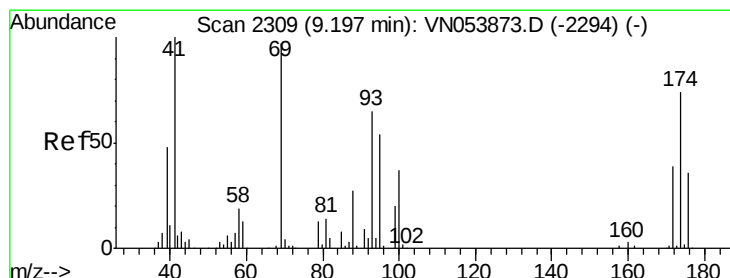
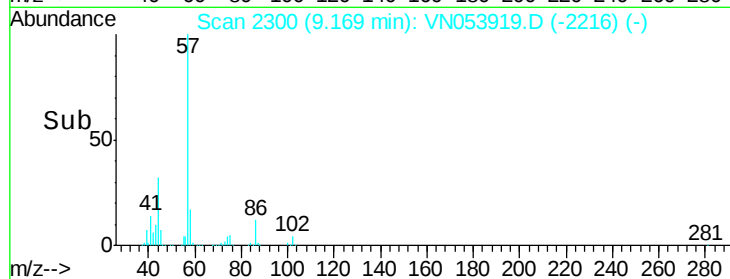
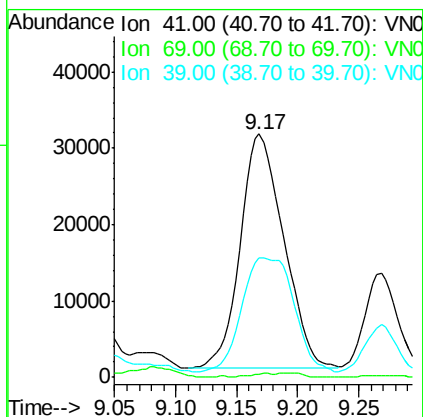
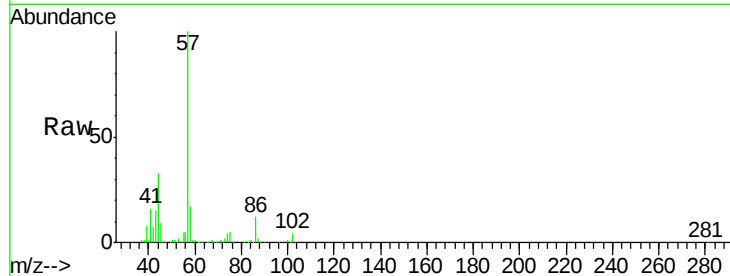
Time-->





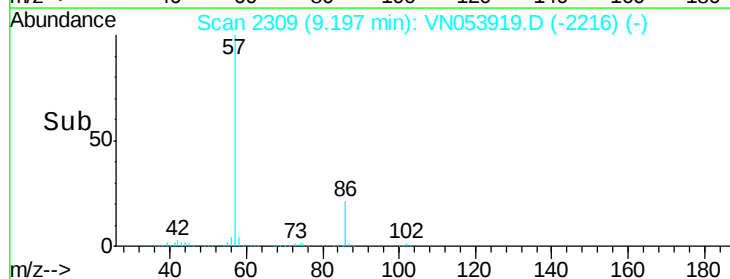
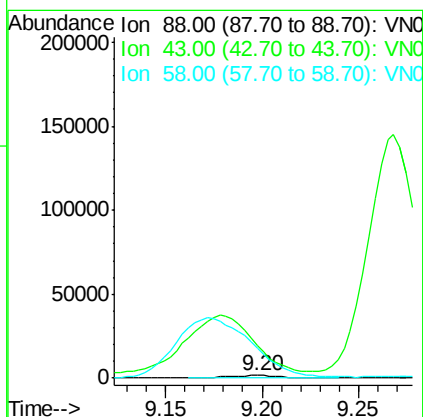
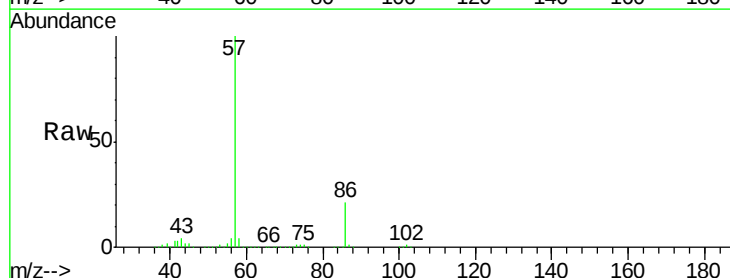
#48
Methvl methacrylate
Concen: 15.706 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.03 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

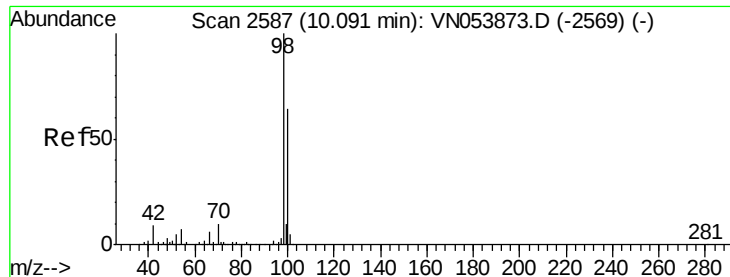
Tot Ion: 41 Resp: 75843
Ion Ratio Lower Upper
41 100
69 0.8 74.8 112.2#
39 61.1 39.0 58.6#



#49
1,4-Dioxane
Concen: 61.876 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tgt Ion: 88 Resp: 3174
Ion Ratio Lower Upper
88 100
43 0.0 21.2 31.8#
58 0.0 54.2 81.2#





#50

Toluene-d8

Concen: 50.755 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053919.D

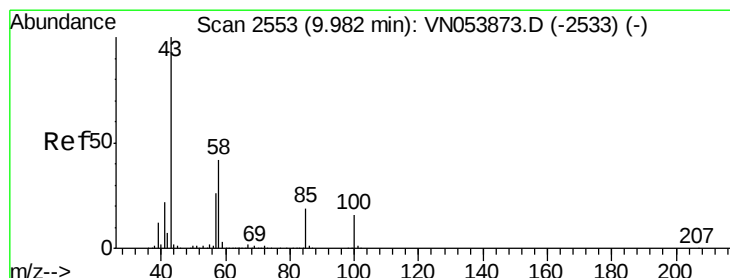
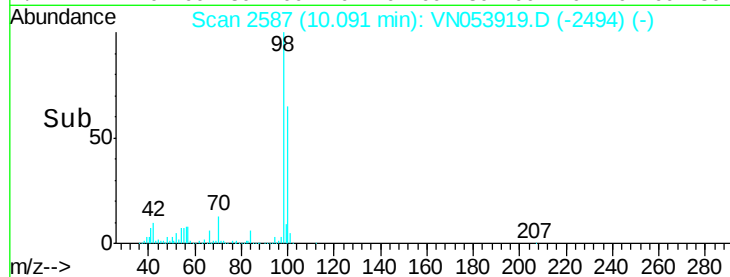
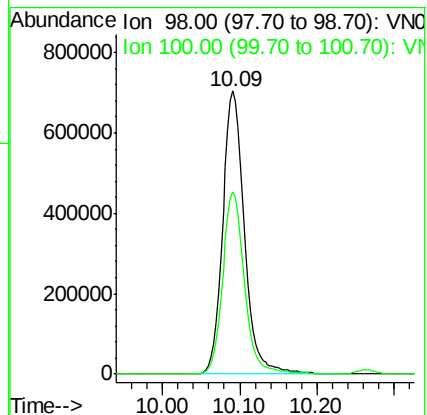
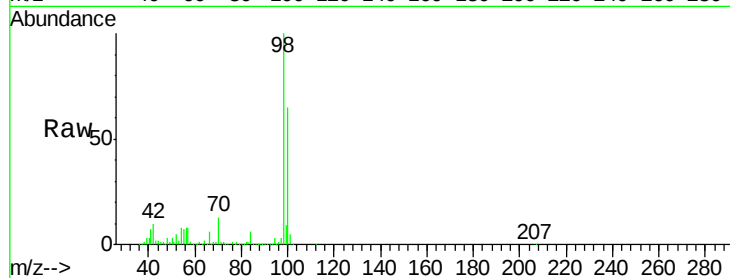
Acq: 22 Feb 2019 16:39

Tot Ion: 98 Resp: 1385818

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 13.596 ug/l

RT: 10.11 min Scan# 2593

Delta R.T. 0.13 min

Lab File: VN053919.D

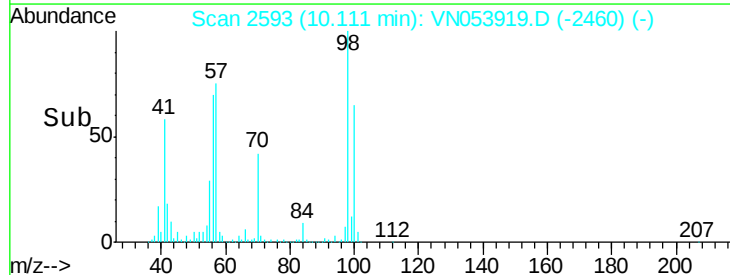
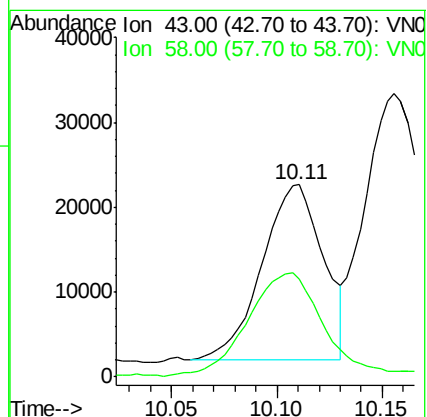
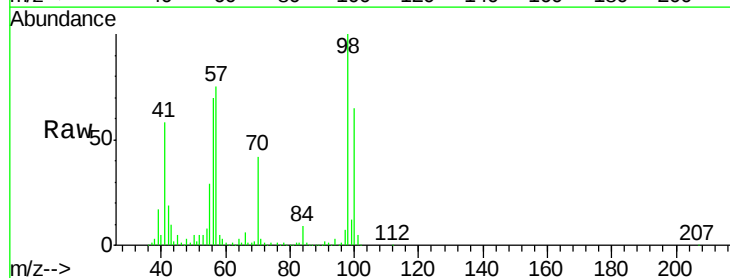
Acq: 22 Feb 2019 16:39

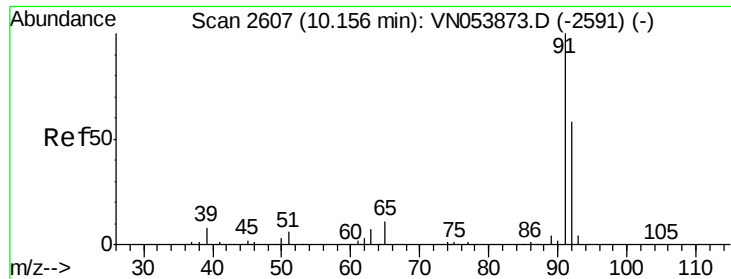
Tgt Ion: 43 Resp: 42038

Ion Ratio Lower Upper

43 100

58 73.0 32.7 49.1#





#52

Toluene

Concen: 289.381 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053919.D

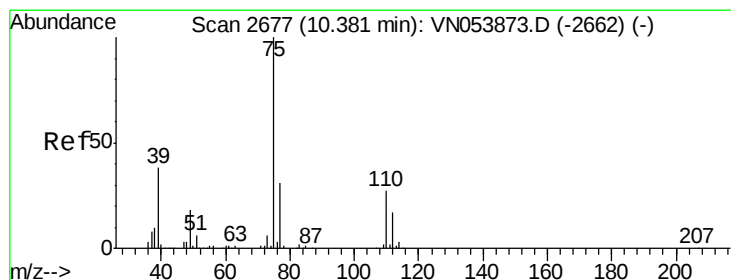
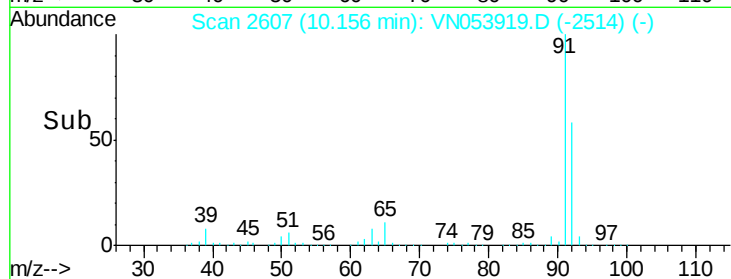
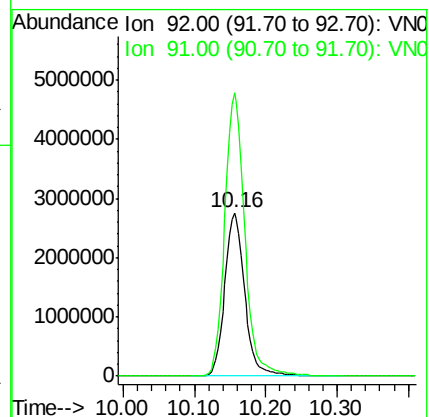
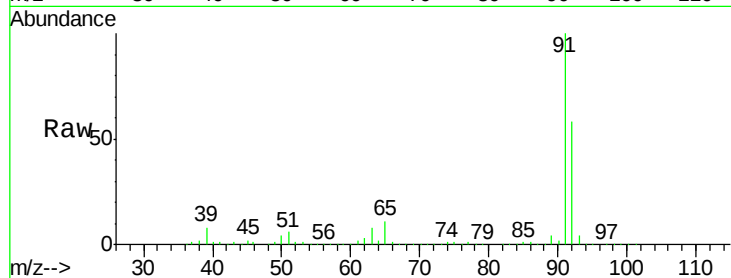
Acq: 22 Feb 2019 16:39

Tot Ion: 92 Resp: 5352881

Ion Ratio Lower Upper

92 100

91 173.8 138.4 207.6



#53

t-1,3-Dichloropropene

Concen: 0.635 ug/l

RT: 10.27 min Scan# 2644

Delta R.T. -0.11 min

Lab File: VN053919.D

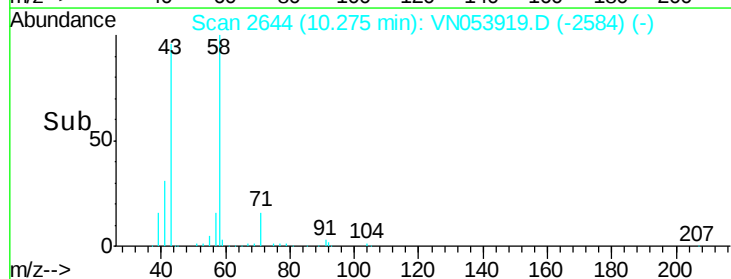
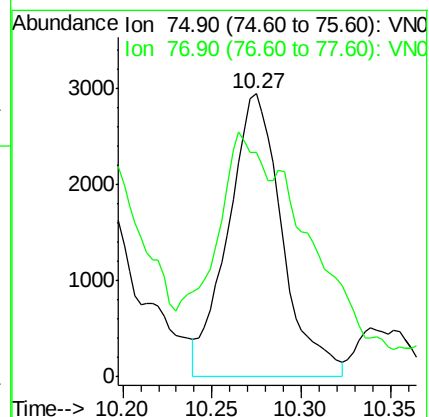
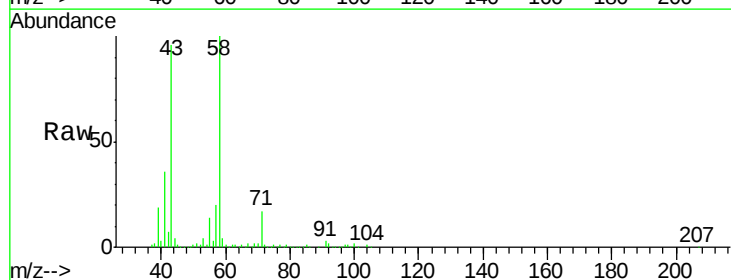
Acq: 22 Feb 2019 16:39

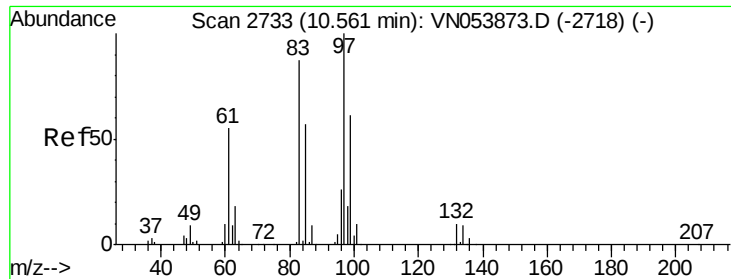
Tgt Ion: 75 Resp: 6243

Ion Ratio Lower Upper

75 100

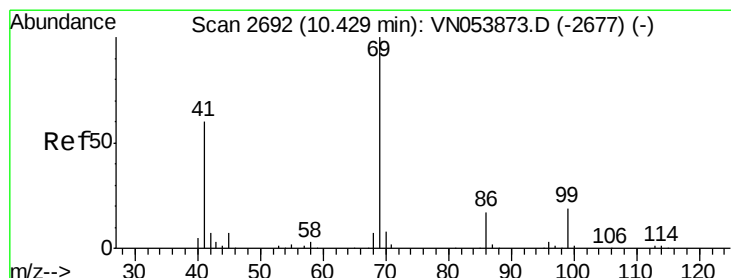
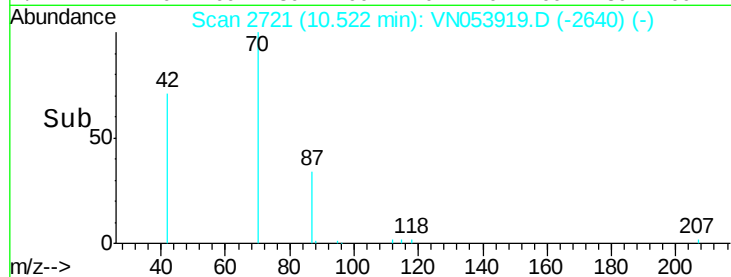
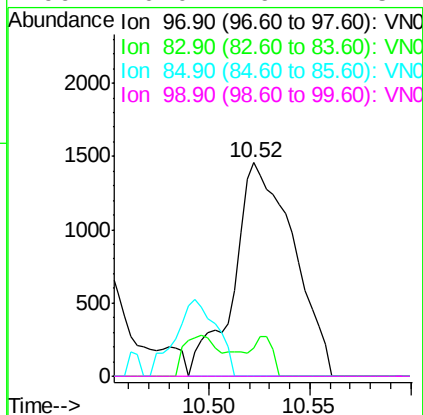
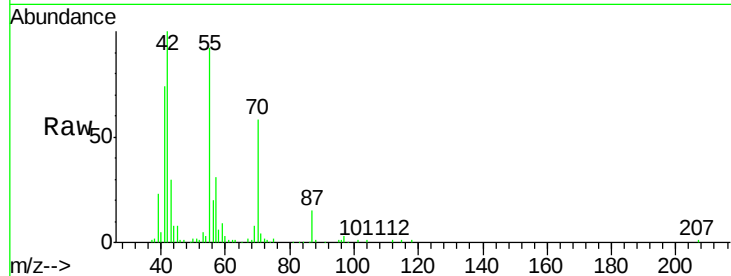
77 51.8 25.0 37.6#





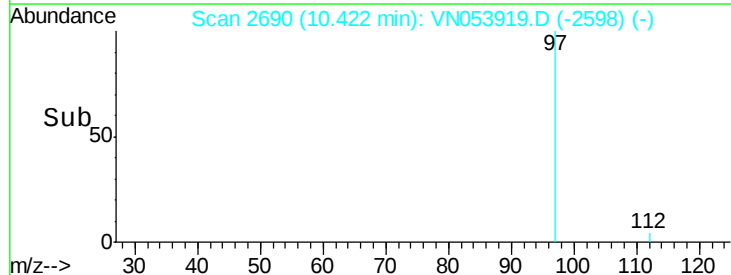
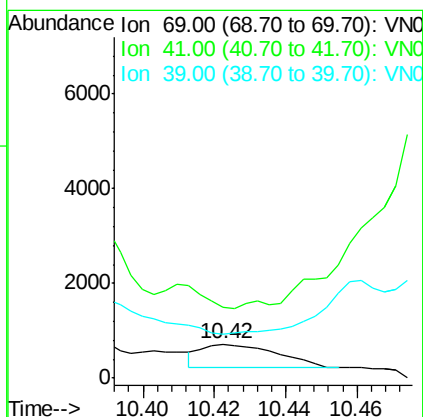
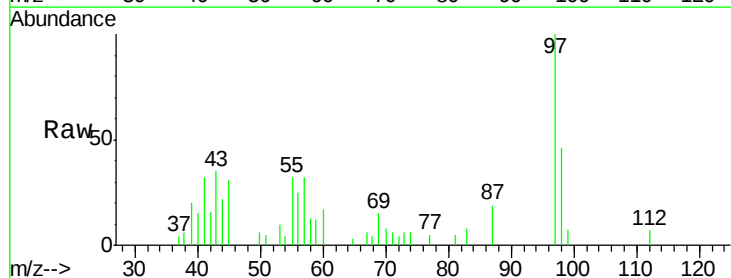
#55
 1,1,2-Trichloroethane
 Concen: 0.444 ug/l
 RT: 10.52 min Scan# 2721
 Delta R.T. -0.04 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

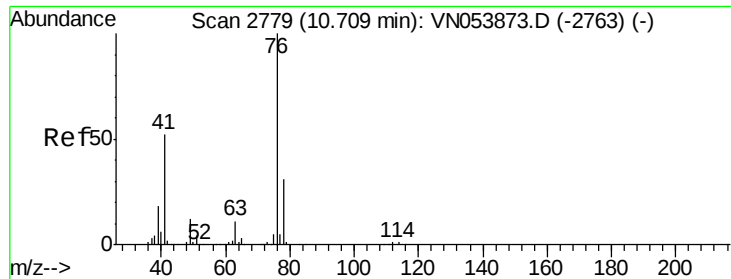
Tot Ion: 97 Resp: 3003
 Ion Ratio Lower Upper
 97 100
 83 13.4 69.5 104.3#
 85 0.0 45.9 68.9#
 99 0.0 49.1 73.7#



#56
 Ethyl methacrylate
 Concen: 2.547 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. -0.01 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

Tgt Ion: 69 Resp: 737
 Ion Ratio Lower Upper
 69 100
 41 0.0 47.5 71.3#
 39 0.0 23.4 35.0#





#57

1,3-Dichloropropane

Concen: 0.449 ug/l

RT: 10.77 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN053919.D

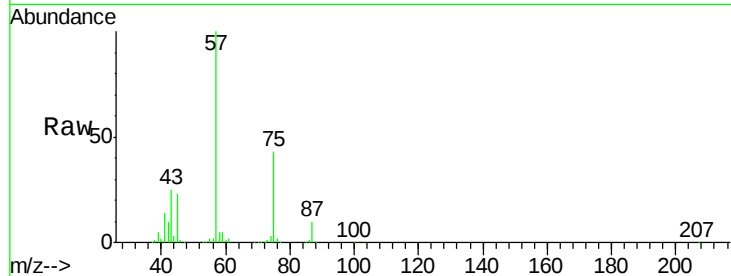
Acq: 22 Feb 2019 16:39

Tot Ion: 76 Resp: 5117

Ion Ratio Lower Upper

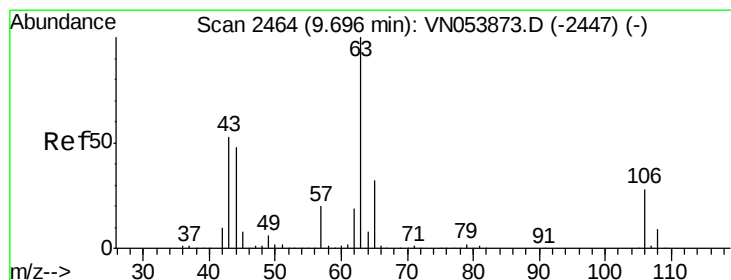
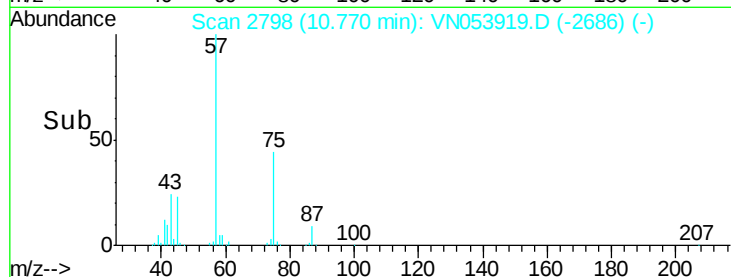
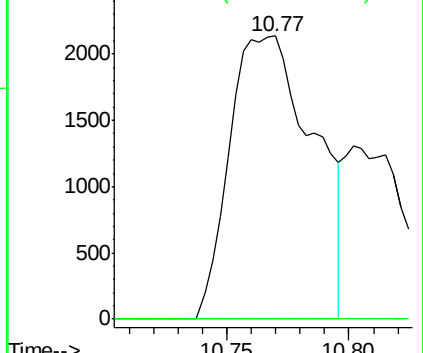
76 100

78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 13.063 ug/l

RT: 9.71 min Scan# 2467

Delta R.T. 0.01 min

Lab File: VN053919.D

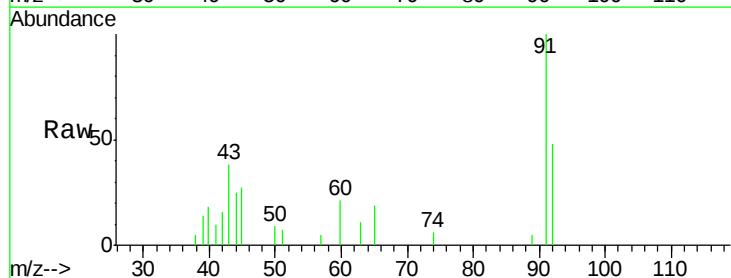
Acq: 22 Feb 2019 16:39

Tgt Ion: 63 Resp: 367

Ion Ratio Lower Upper

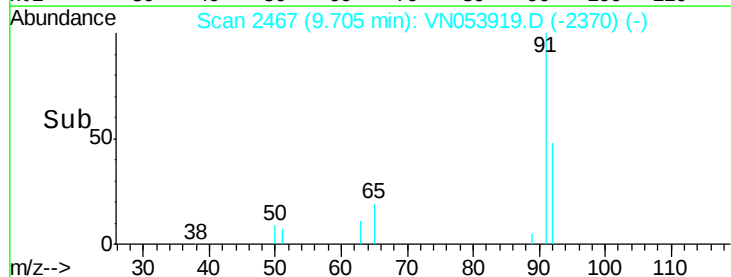
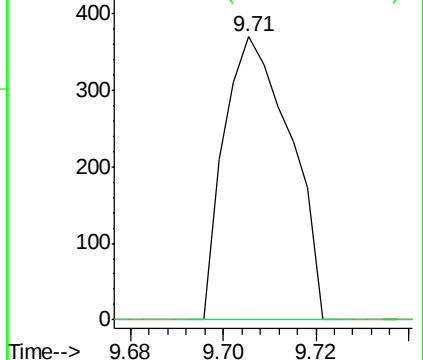
63 100

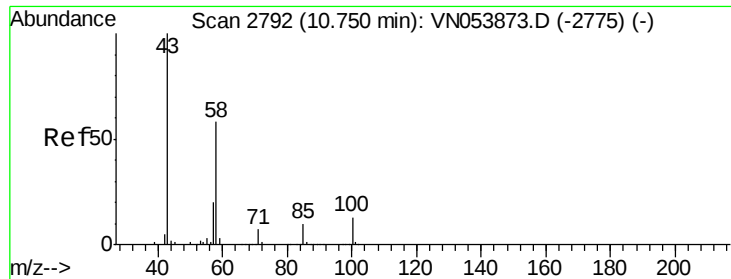
106 0.0 22.2 33.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

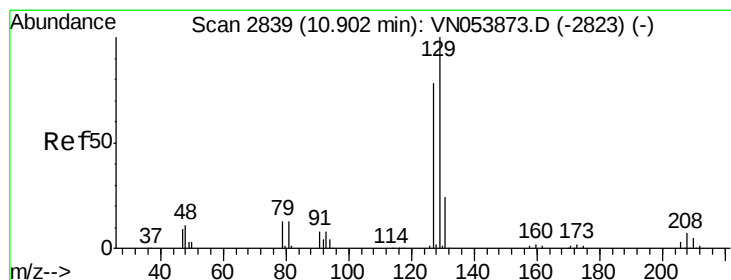
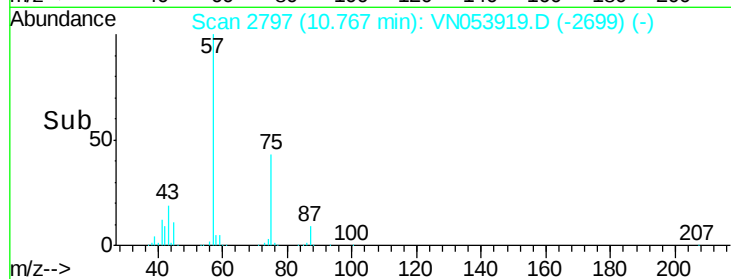
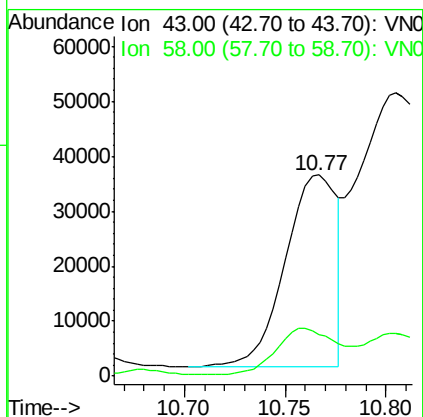
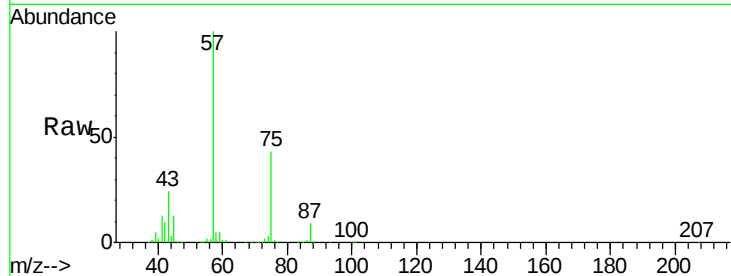
Ion 105.90 (105.60 to 106.60): V





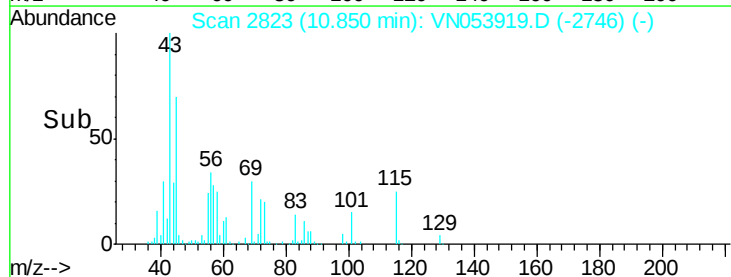
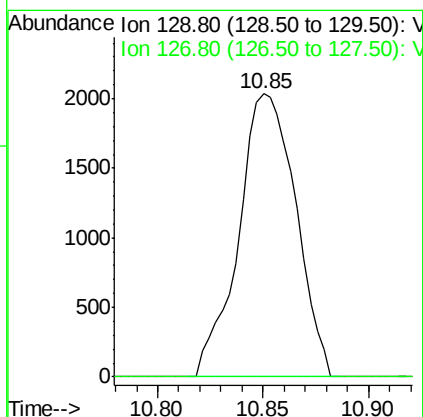
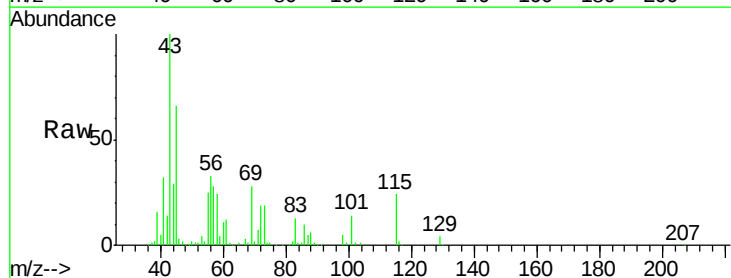
#59
2-Hexanone
Concen: 17.400 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

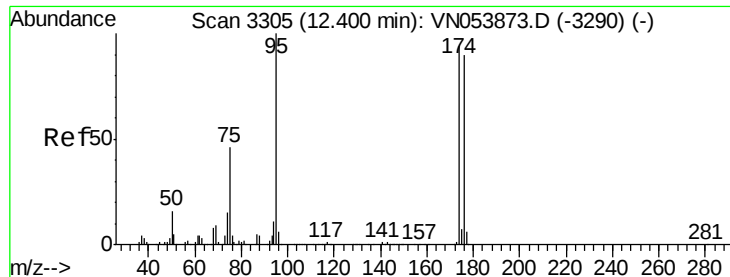
Tot Ion: 43 Resp: 61483
Ion Ratio Lower Upper
43 100
58 29.2 29.1 87.4



#60
Dibromochloromethane
Concen: 0.488 ug/l
RT: 10.85 min Scan# 2823
Delta R.T. -0.05 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tgt Ion: 129 Resp: 3848
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#





#62

4-Bromofluorobenzene

Concen: 57.609 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

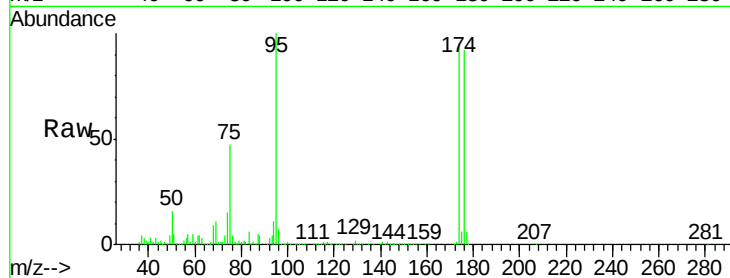
Tot Ion: 95 Resp: 519301

Ion Ratio Lower Upper

95 100

174 95.8 0.0 188.8

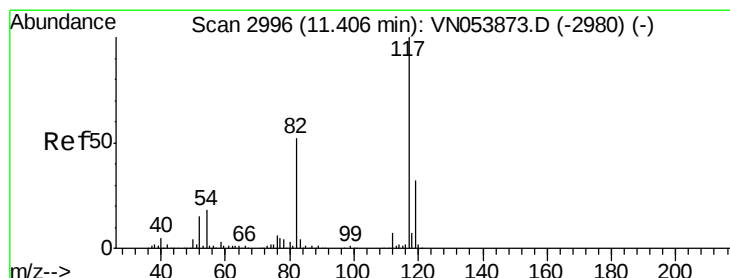
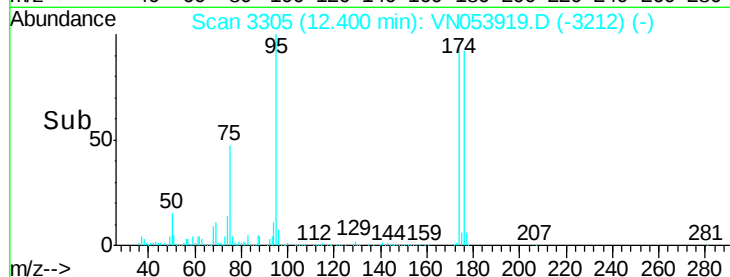
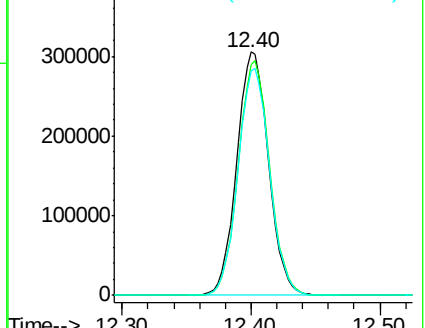
176 93.4 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053873.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053873.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053873.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

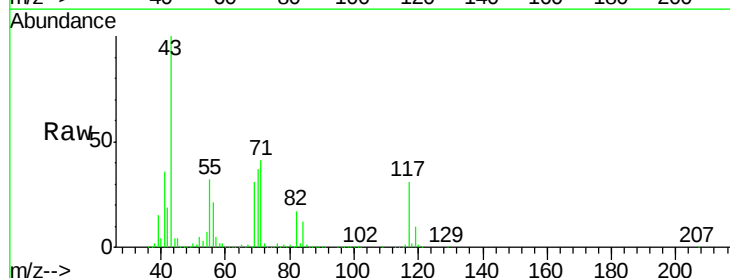
Tgt Ion: 117 Resp: 1105339

Ion Ratio Lower Upper

117 100

82 53.4 41.4 62.2

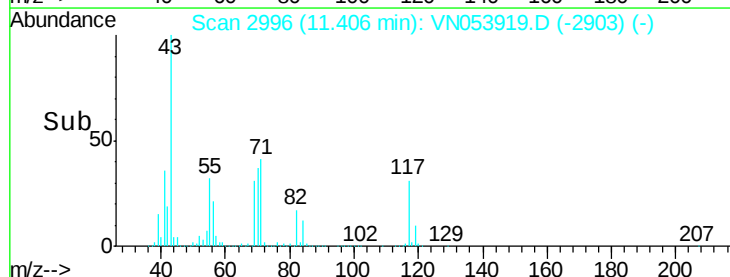
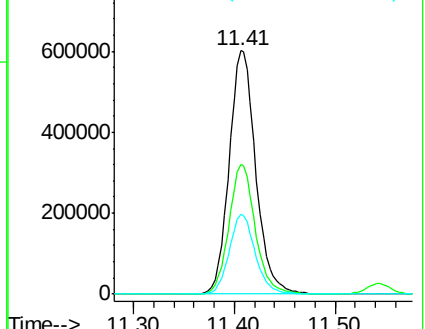
119 32.9 25.3 37.9

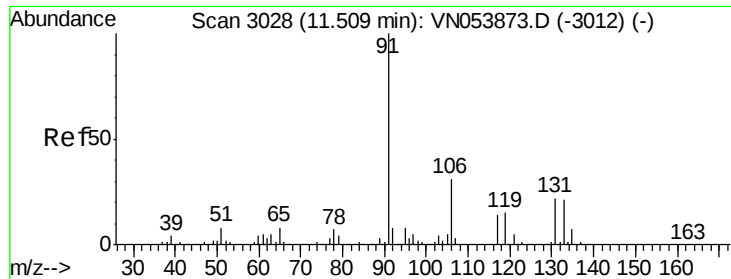


Abundance Ion 116.90 (116.60 to 117.60): VN053873.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053873.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053873.D (-2980) (-)





#66

1,1,1,2-Tetrachloroethane

Concen: 1.015 ug/l

RT: 11.54 min Scan# 3039

Delta R.T. 0.04 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

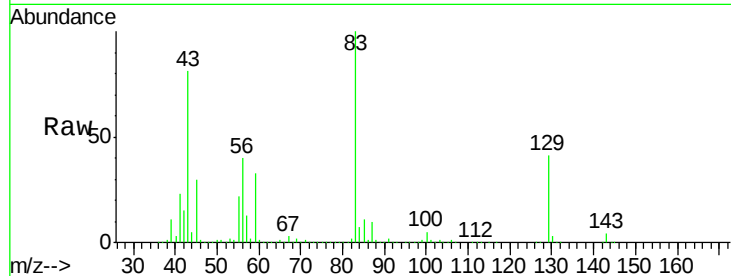
Tot Ion: 131 Resp: 8567

Ion Ratio Lower Upper

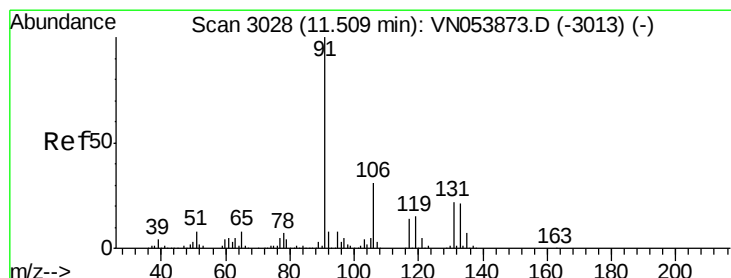
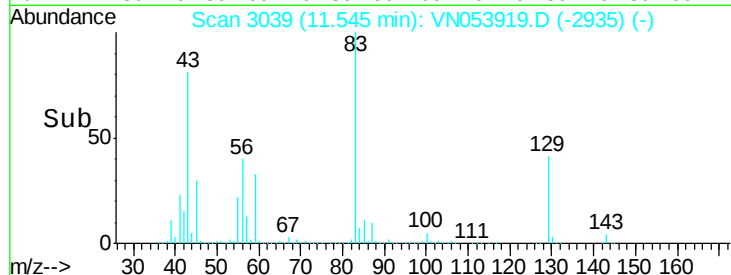
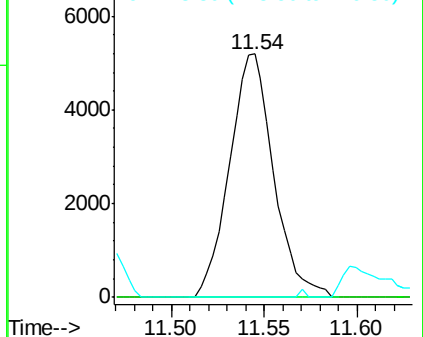
131 100

133 0.0 47.7 143.1#

119 0.0 33.1 99.3#



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 27.437 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053919.D

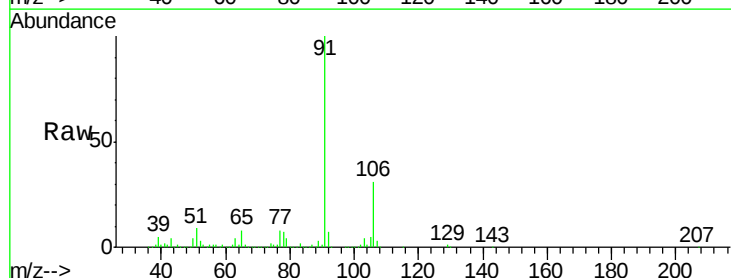
Acq: 22 Feb 2019 16:39

Tgt Ion: 91 Resp: 1027329

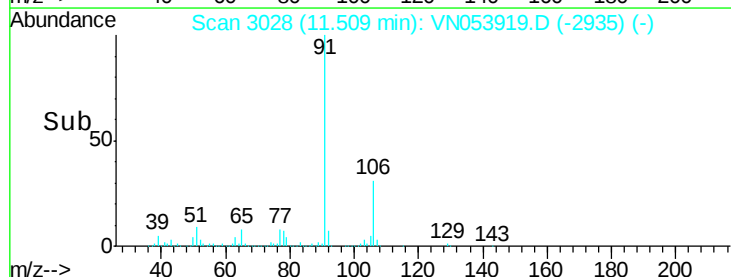
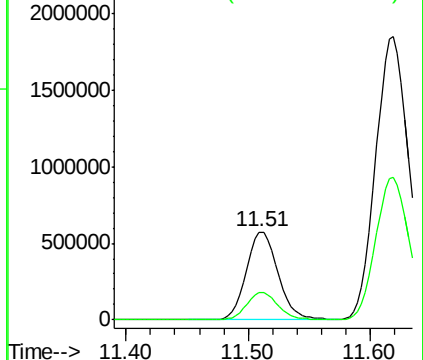
Ion Ratio Lower Upper

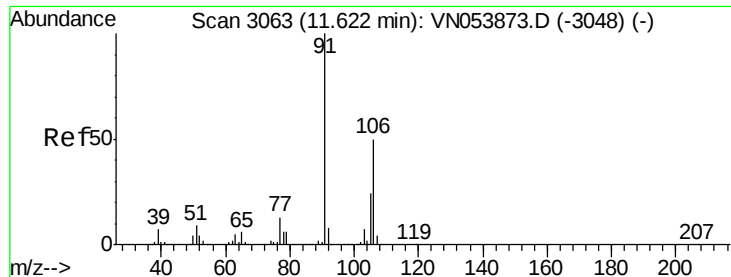
91 100

106 31.2 25.2 37.8



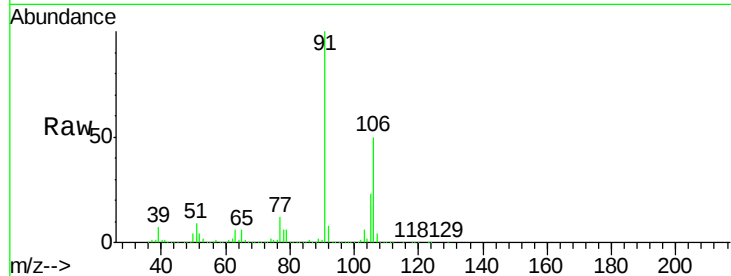
Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V



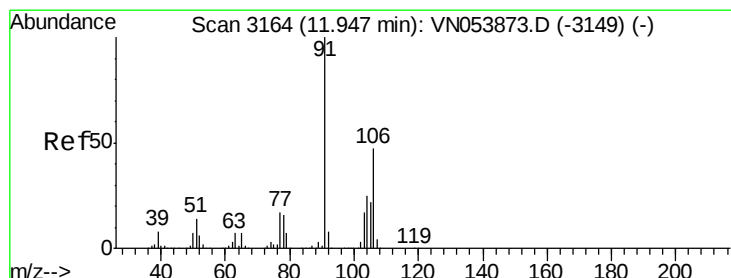
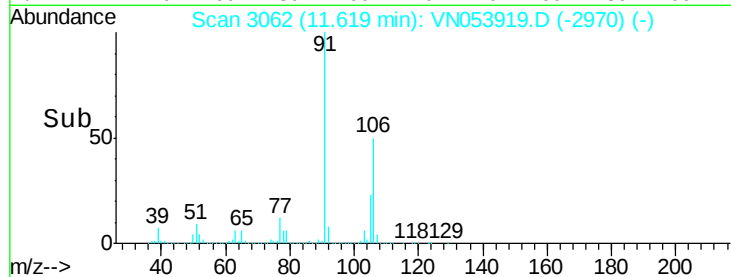
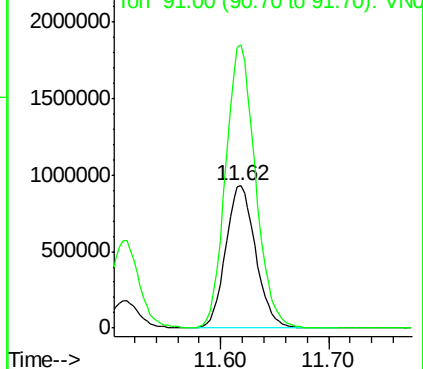


#68
m/p-Xylenes
Concen: 123.987 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tot Ion:106 Resp: 1797557
Ion Ratio Lower Upper
106 100
91 197.6 158.9 238.3

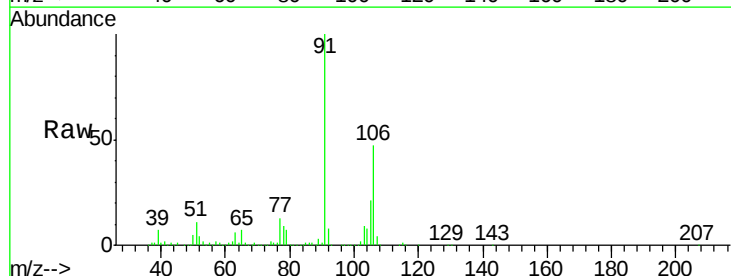


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

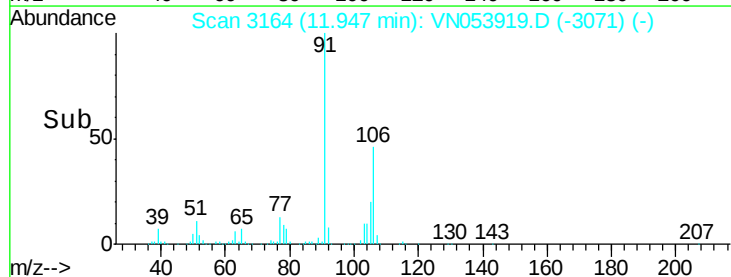
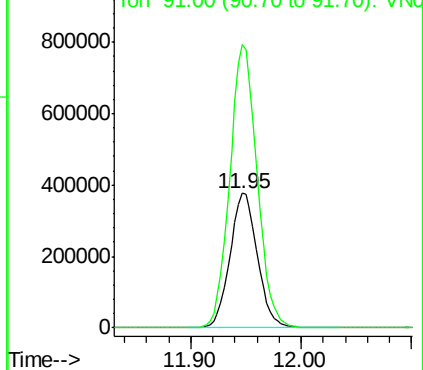


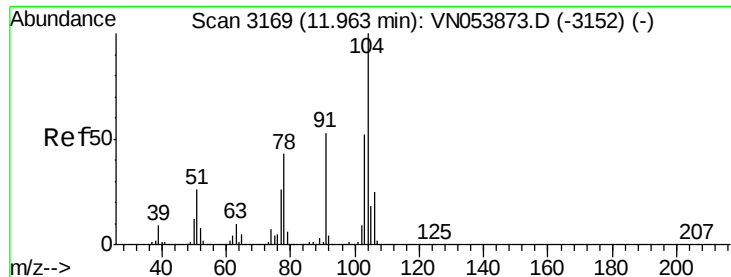
#69
o-Xylene
Concen: 46.411 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tgt Ion:106 Resp: 647772
Ion Ratio Lower Upper
106 100
91 210.2 106.0 318.0



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





#70

Stvrene

Concen: 13.680 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

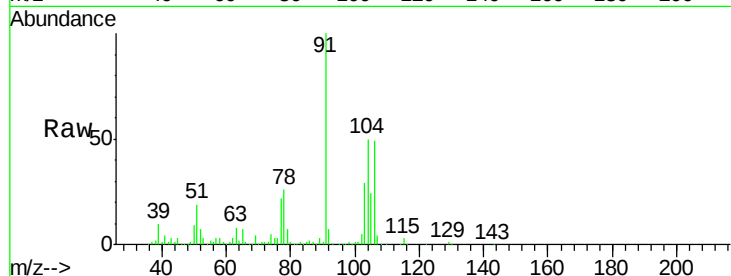
Tot Ion:104 Resp: 299624

Ion Ratio Lower Upper

104 100

78 65.5 38.1 57.1#

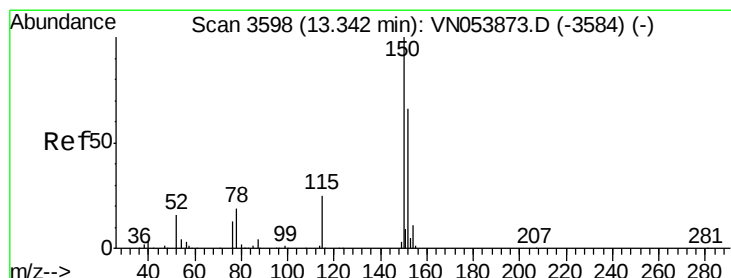
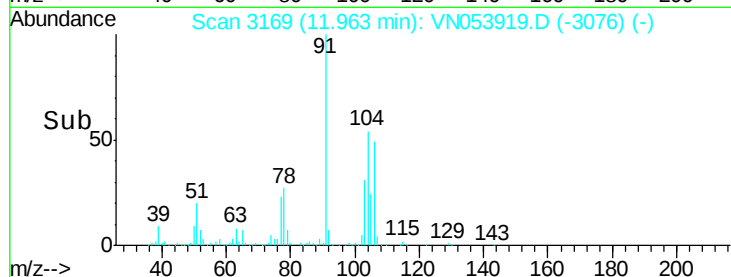
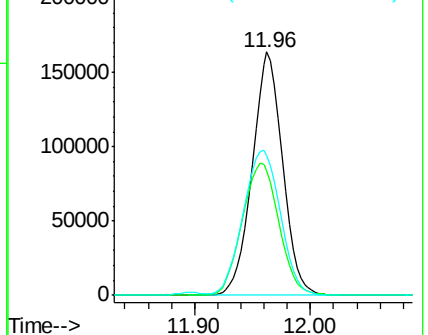
103 72.5 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): 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: VN053919.D

Acq: 22 Feb 2019 16:39

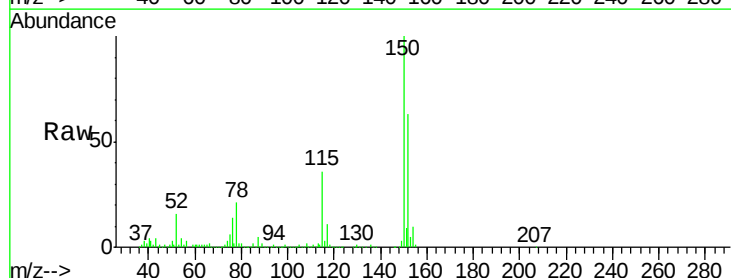
Tgt Ion:152 Resp: 550812

Ion Ratio Lower Upper

152 100

115 62.4 27.2 81.6

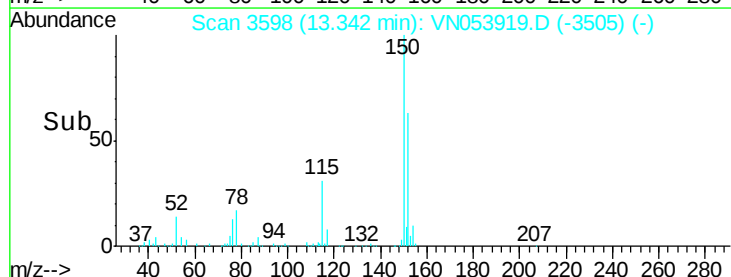
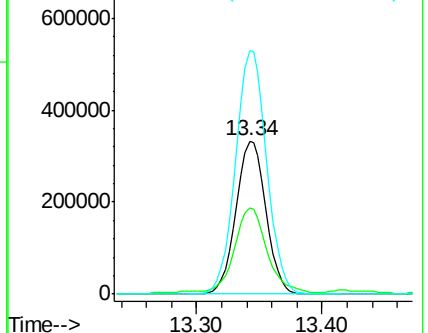
150 165.4 0.0 348.2

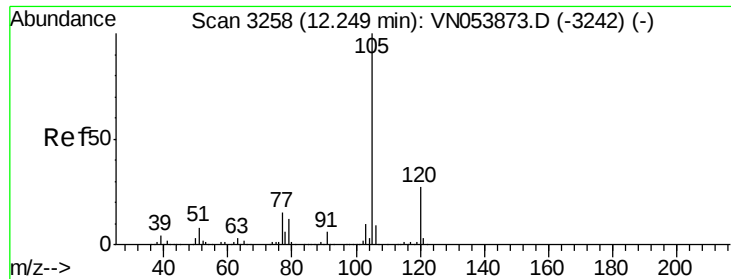


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

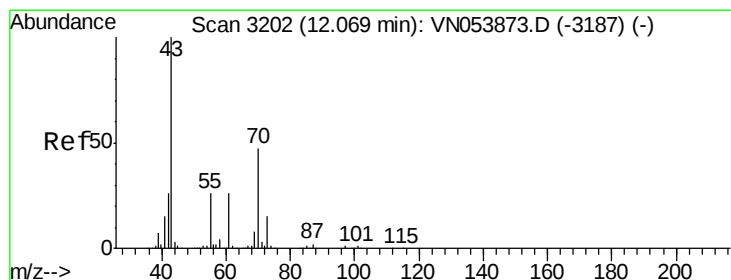
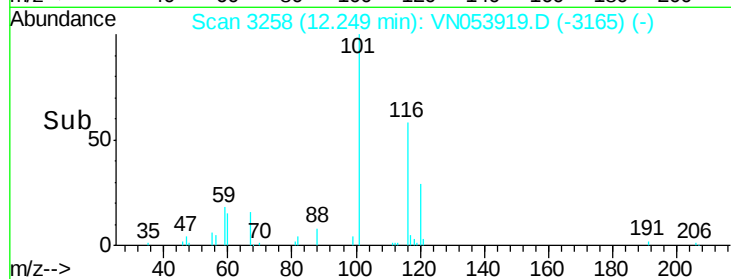
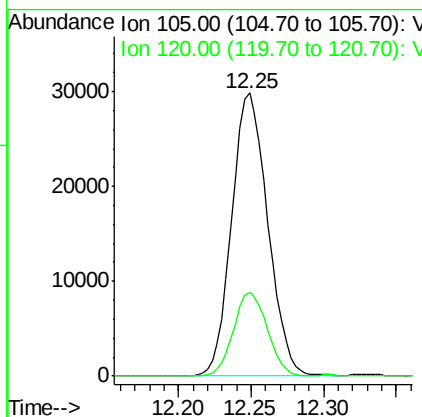
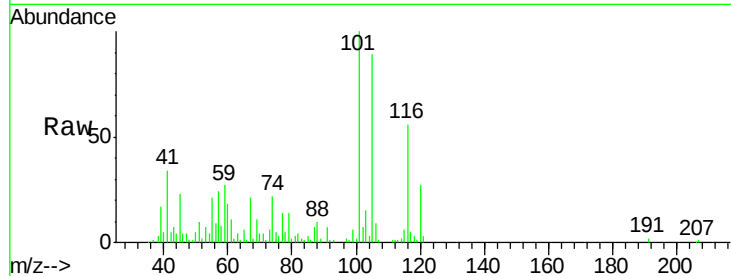
Ion 149.90 (149.60 to 150.60): V





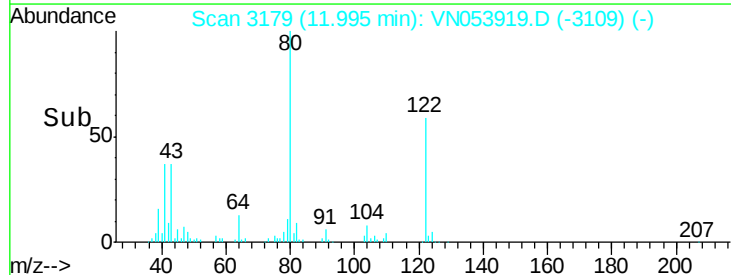
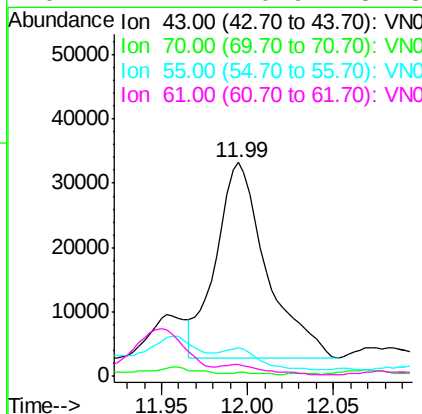
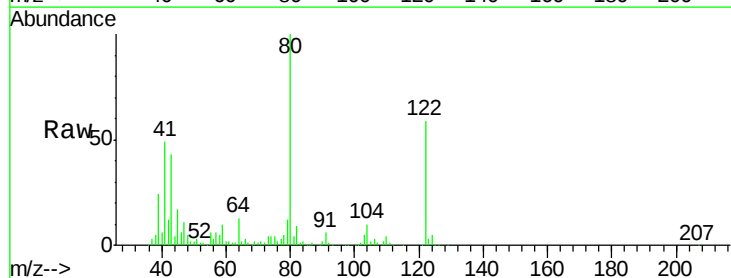
#73
Isopropylbenzene
Concen: 1.333 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

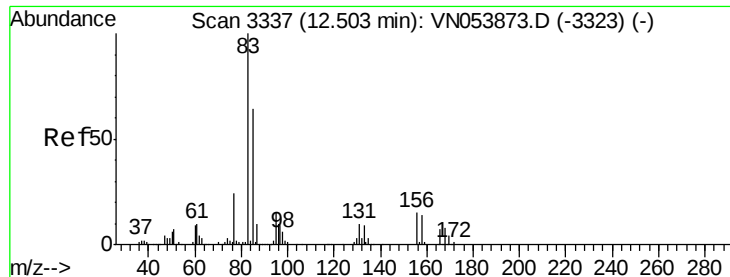
Tot Ion: 105 Resp: 51729
Ion Ratio Lower Upper
105 100
120 27.7 13.5 40.5



#74
N-ethyl acetate
Concen: 6.961 ug/l
RT: 11.99 min Scan# 3179
Delta R.T. -0.07 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tgt Ion: 43 Resp: 62028
Ion Ratio Lower Upper
43 100
70 0.0 37.4 56.2#
55 0.0 21.4 32.0#
61 4.4 20.9 31.3#

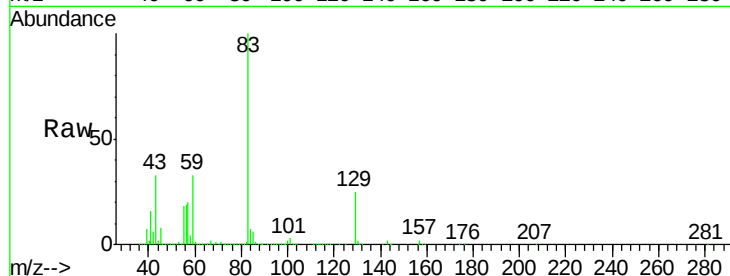




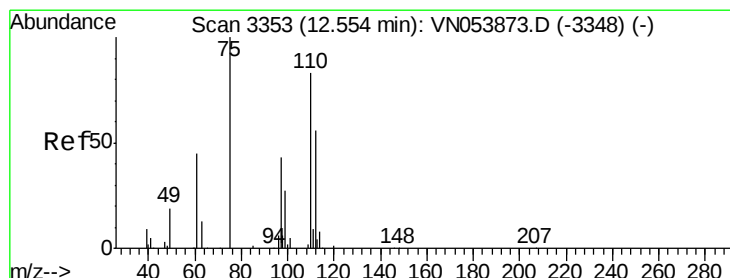
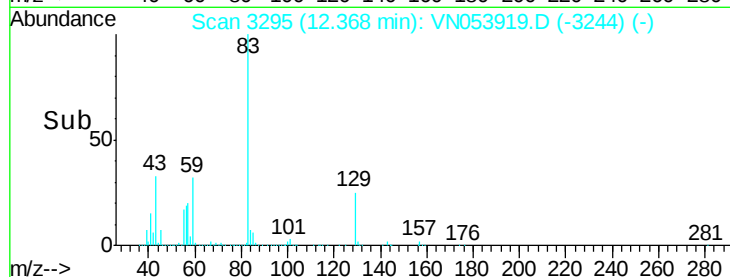
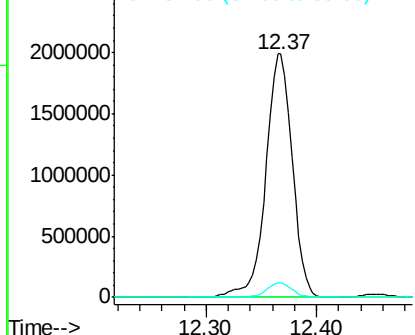
#75

1,1,2,2-Tetrachloroethane
Concen: 359.835 ug/l
RT: 12.37 min Scan# 3295
Delta R.T. -0.14 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tot Ion: 83 Resp: 3301164
Ion Ratio Lower Upper
83 100
131 0.2 5.3 16.1#
85 5.8 31.9 95.9#



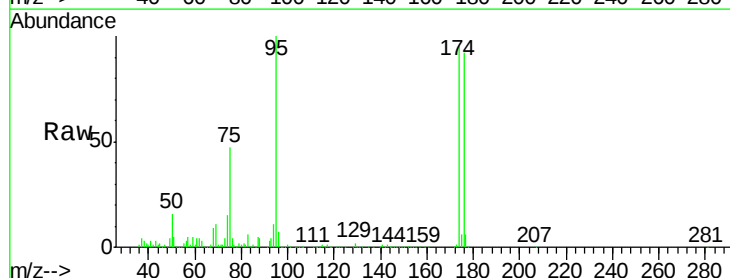
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



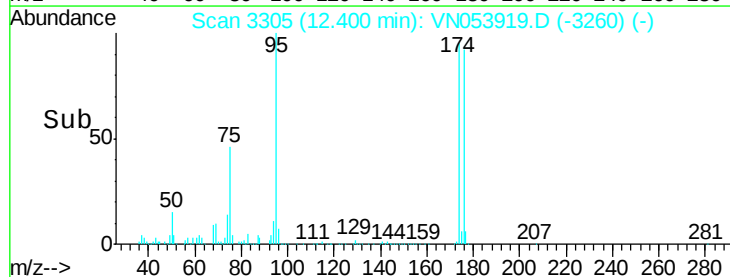
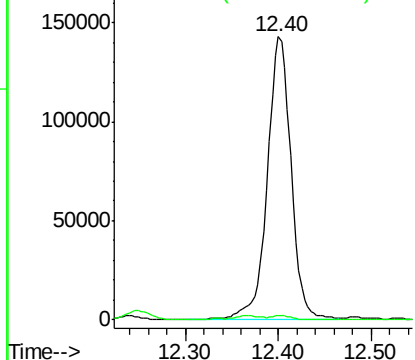
#76

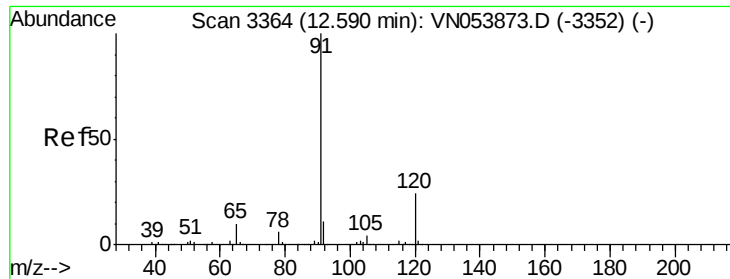
1,2,3-Trichloropropane
Concen: 31.763 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tgt Ion: 75 Resp: 256831
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



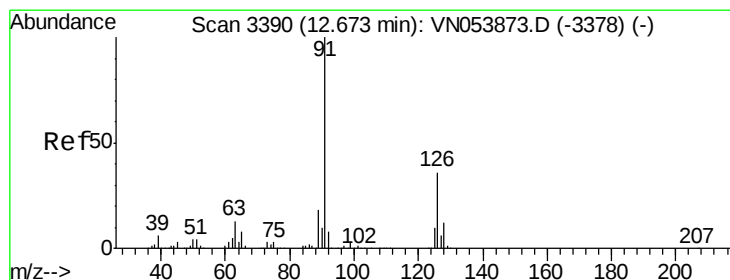
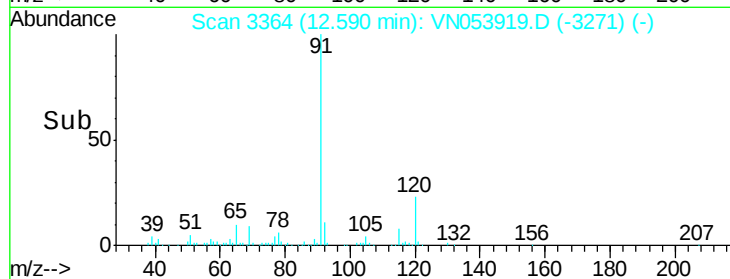
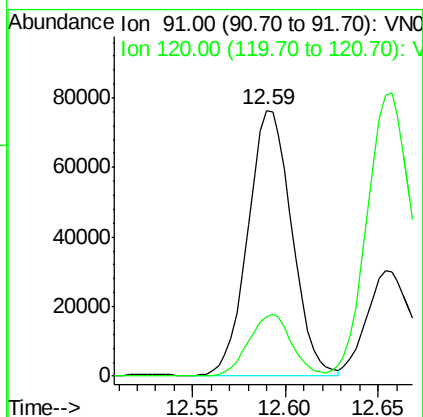
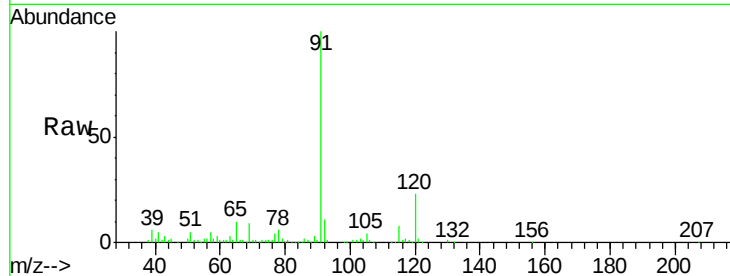
Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





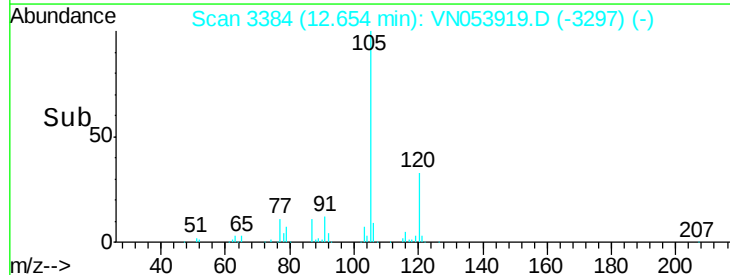
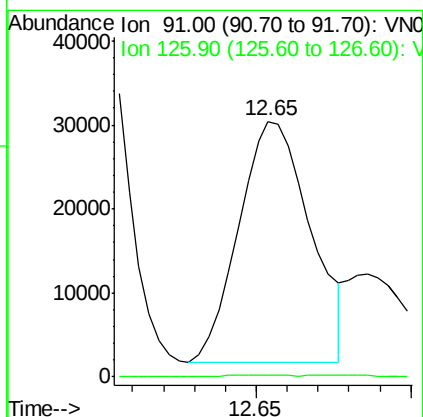
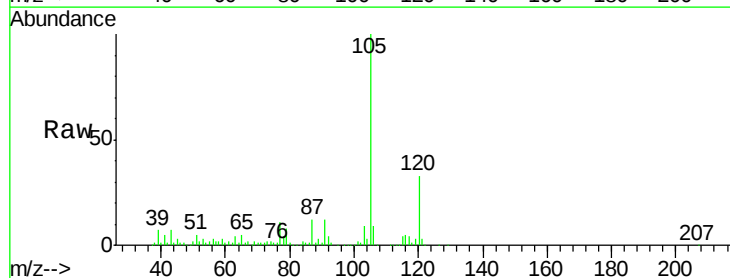
#78
n-propylbenzene
Concen: 2.892 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

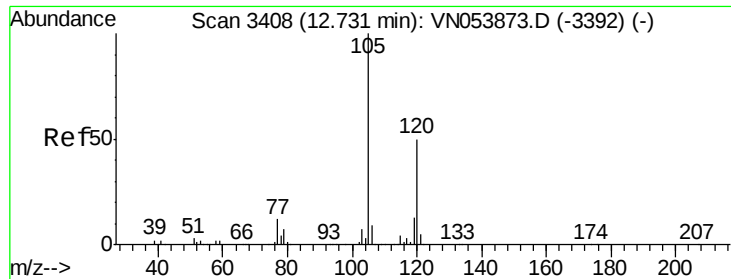
Tot Ion: 91 Resp: 125479
Ion Ratio Lower Upper
91 100
120 23.0 11.9 35.9



#79
2-Chlorotoluene
Concen: 1.758 ug/l
RT: 12.65 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tgt Ion: 91 Resp: 45985
Ion Ratio Lower Upper
91 100
126 0.5 18.1 54.4#





#80

1,3,5-Trimethylbenzene

Concen: 6.716 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053919.D

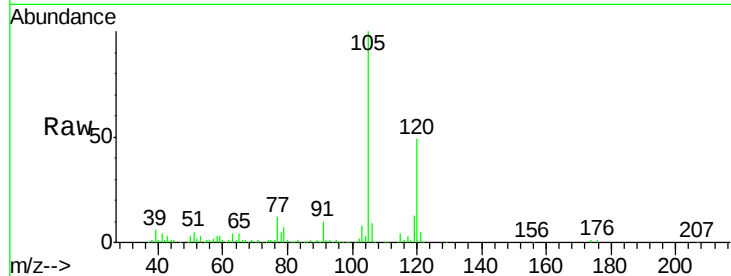
Acq: 22 Feb 2019 16:39

Tot Ion:105 Resp: 216326

Ion Ratio Lower Upper

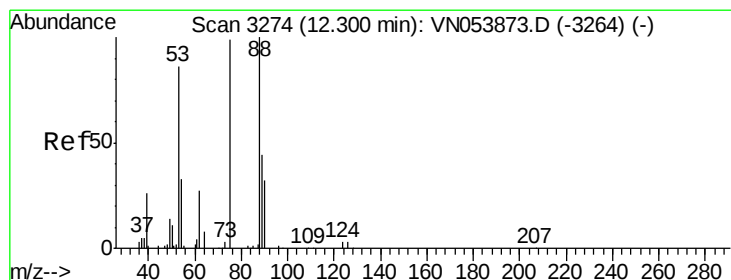
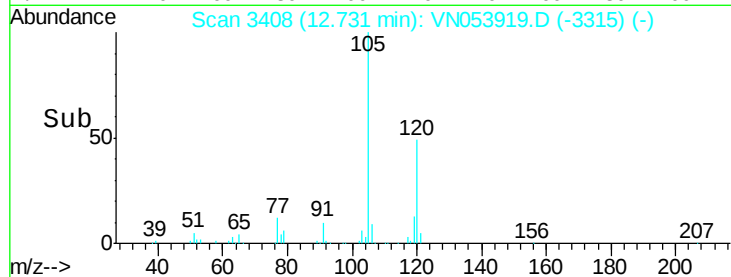
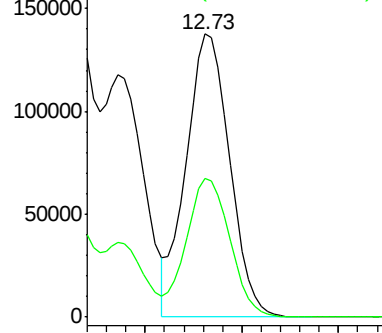
105 100

120 49.1 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: 104.858 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

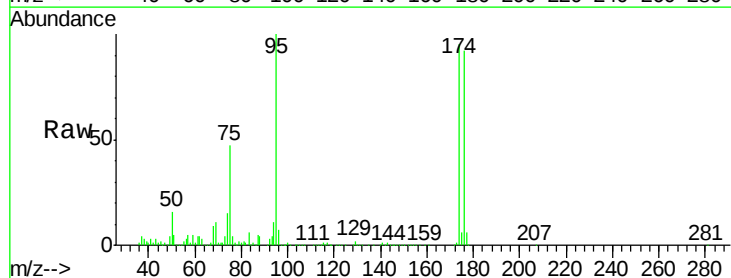
Tgt Ion: 75 Resp: 256831

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

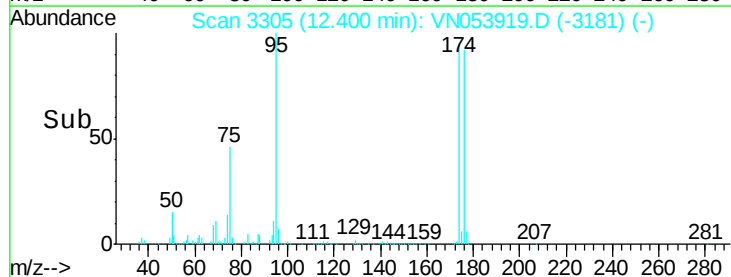
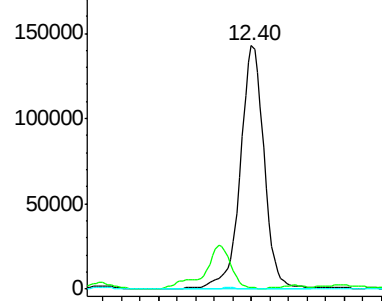
89 0.0 35.3 52.9#

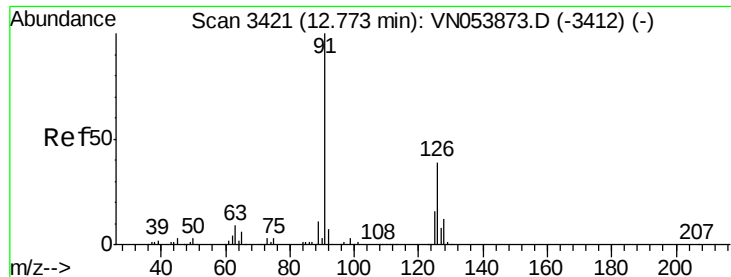


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.824 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN053919.D

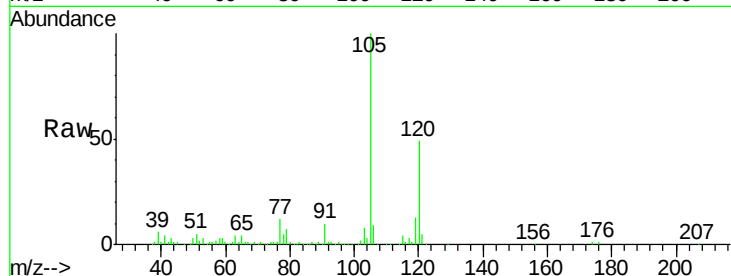
Acq: 22 Feb 2019 16:39

Tot Ion: 91 Resp: 21477

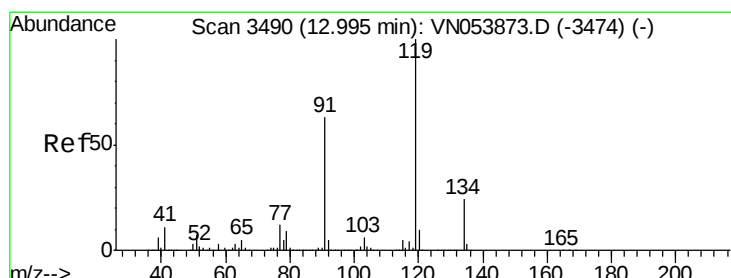
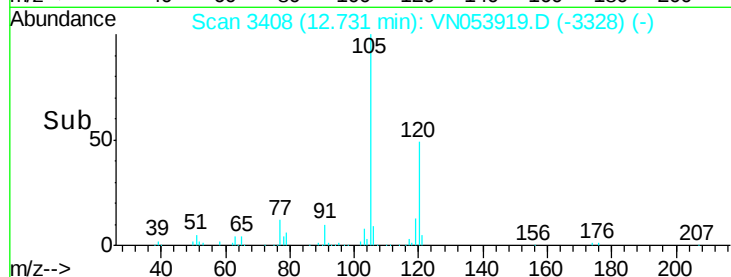
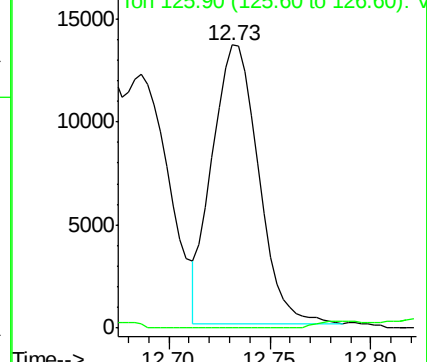
Ion Ratio Lower Upper

91 100

126 0.0 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VN053919.D (-3328) (-)



#83

tert-Butylbenzene

Concen: 3.614 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.04 min

Lab File: VN053919.D

Acq: 22 Feb 2019 16:39

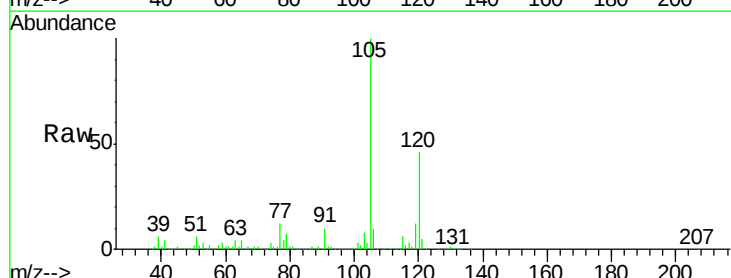
Tgt Ion: 119 Resp: 104520

Ion Ratio Lower Upper

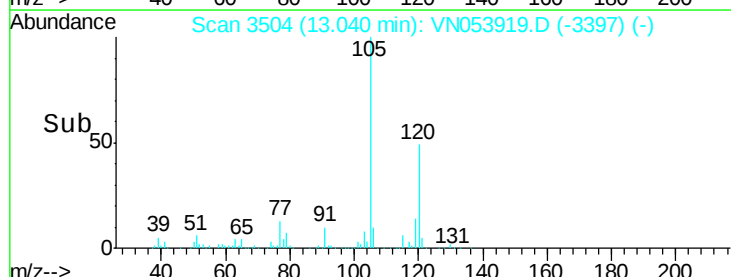
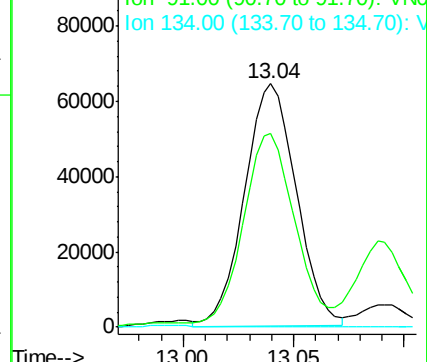
119 100

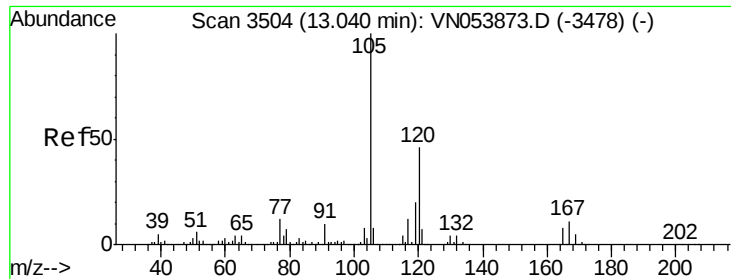
91 76.7 30.6 91.8

134 0.0 13.0 39.0#



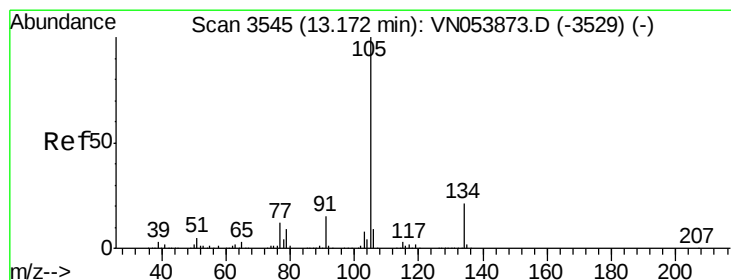
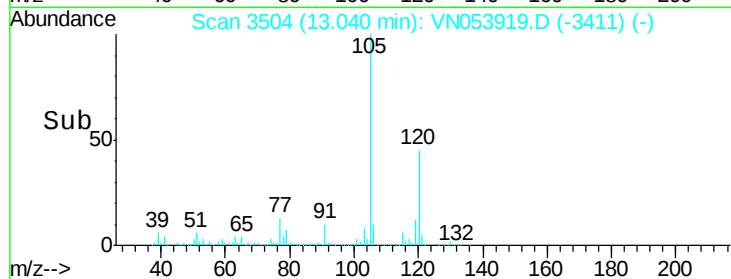
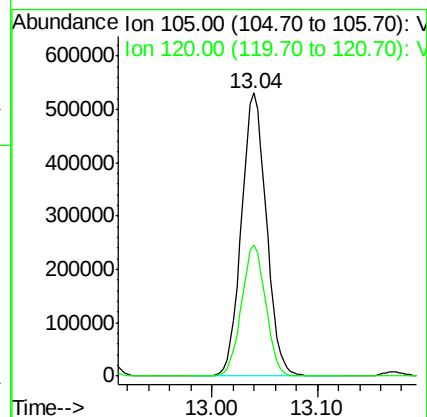
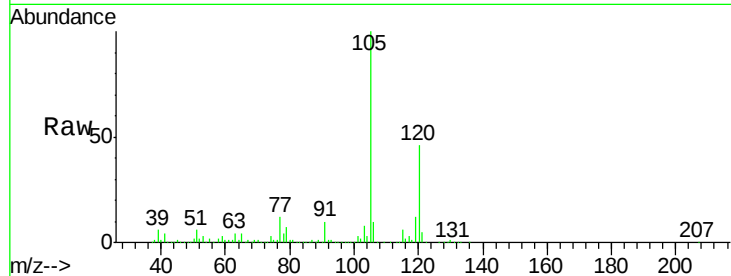
Abundance Ion 119.00 (118.70 to 119.70): VN053919.D (-3397) (-)





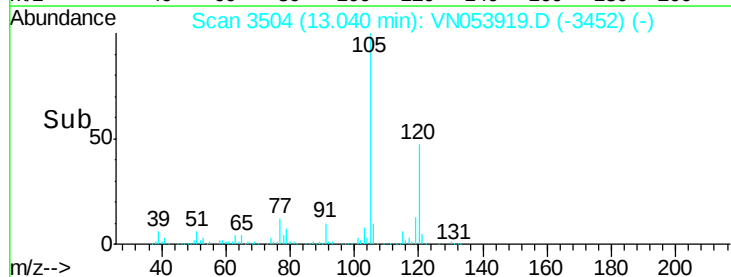
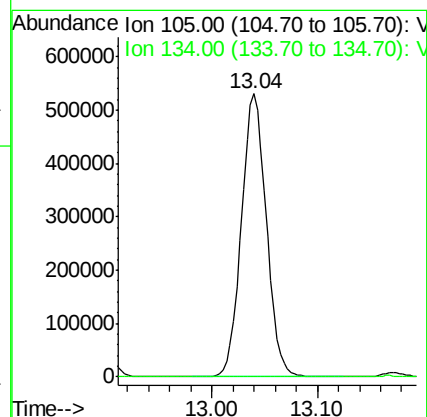
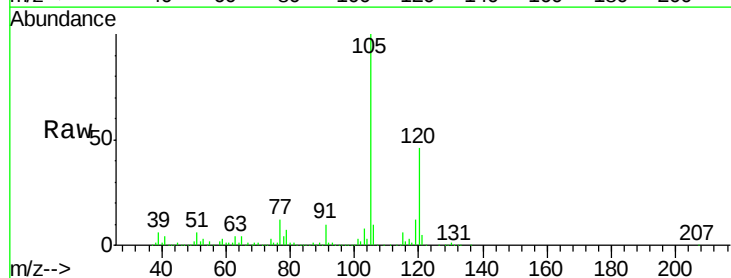
#84
 1,2,4-Trimethylbenzene
 Concen: 26.858 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

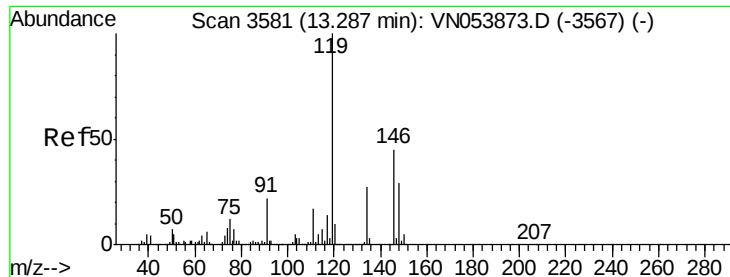
Tot Ion:105 Resp: 867659
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.2 69.5



#85
 sec-Butylbenzene
 Concen: 22.281 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

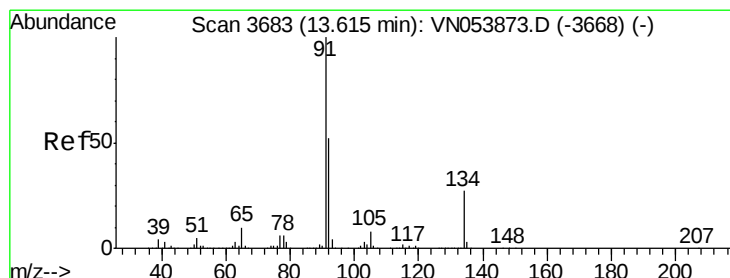
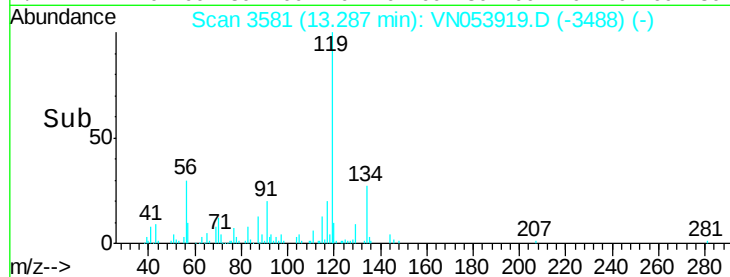
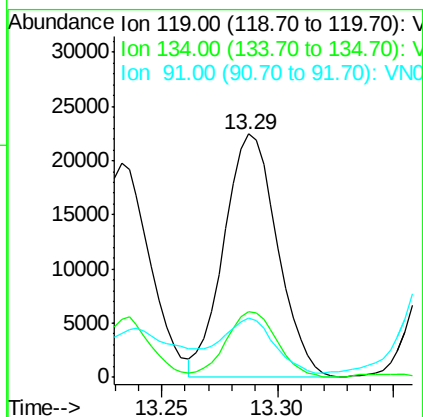
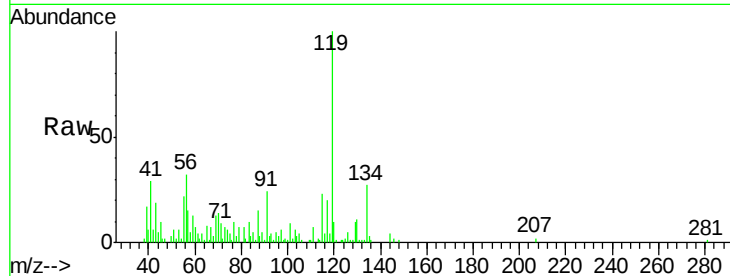
Tgt Ion:105 Resp: 867659
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#





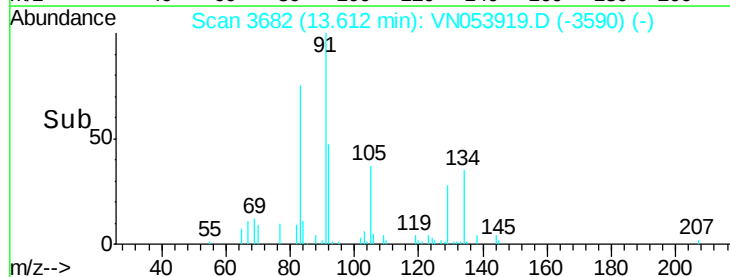
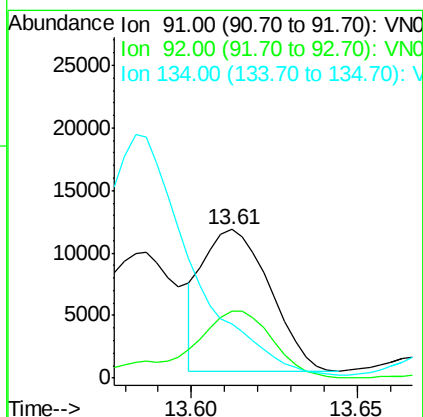
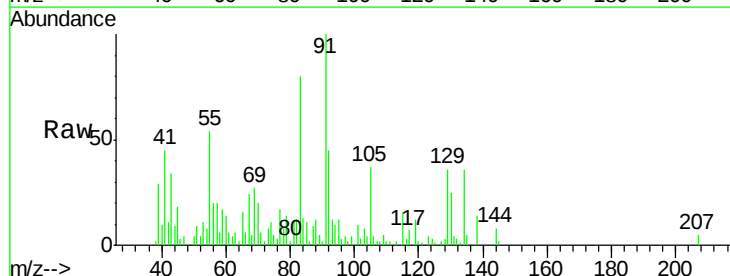
#86
 p-Isopropyltoluene
 Concen: 1.066 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

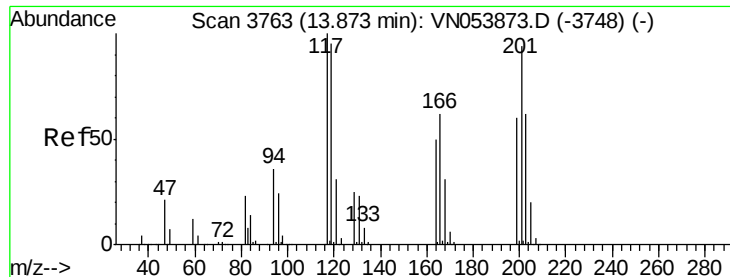
Tot Ion: 119 Resp: 36017
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.5 40.4
 91 21.8 10.9 32.6



#89
 n-Butylbenzene
 Concen: 0.575 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

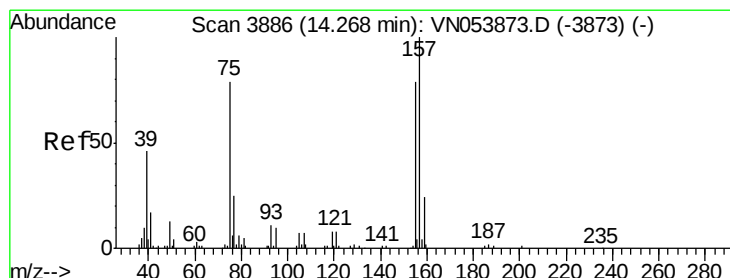
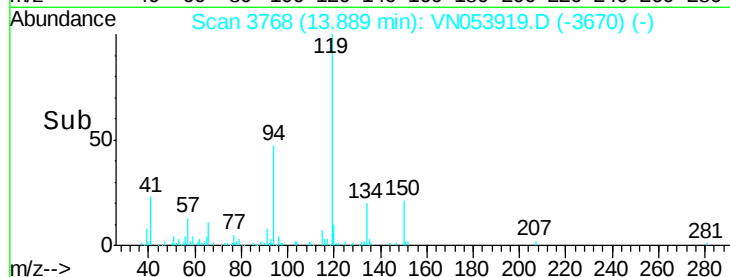
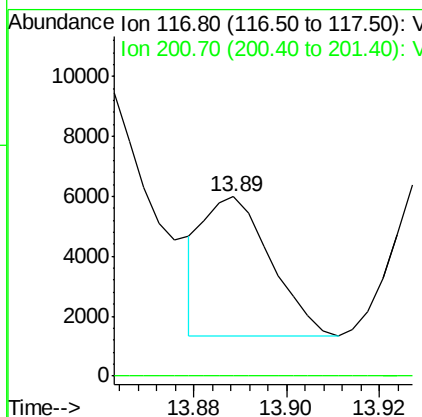
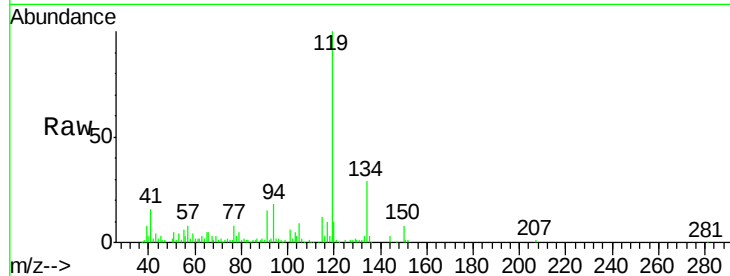
Tgt Ion: 91 Resp: 15976
 Ion Ratio Lower Upper
 91 100
 92 60.8 26.1 78.2
 134 0.0 13.6 40.8#





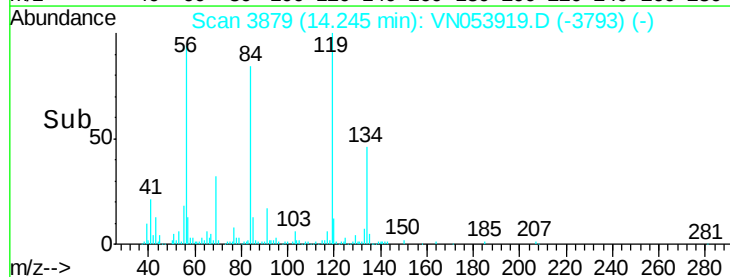
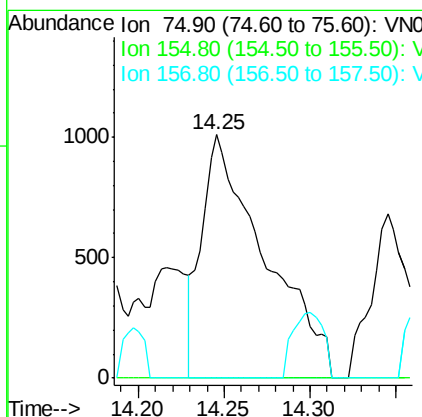
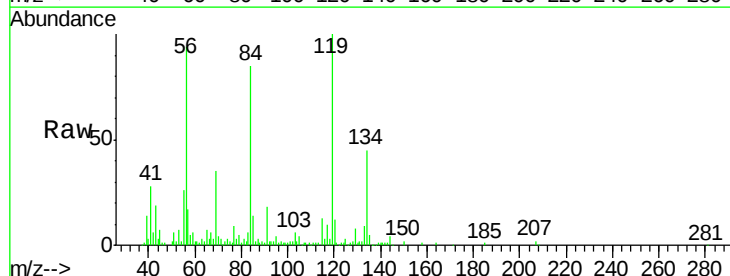
#90
Hexachloroethane
Concen: 0.726 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

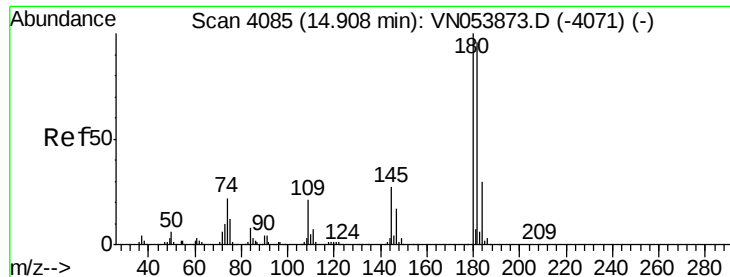
Tot Ion:117 Resp: 4688
Ion Ratio Lower Upper
117 100
201 0.0 48.0 144.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.920 ug/l
RT: 14.25 min Scan# 3879
Delta R.T. -0.02 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tgt Ion: 75 Resp: 2570
Ion Ratio Lower Upper
75 100
155 0.0 49.5 148.5#
157 0.0 64.8 194.6#

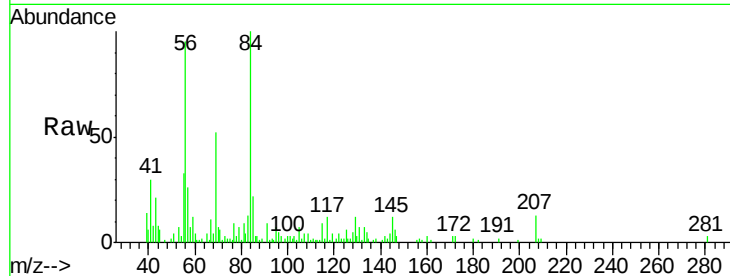




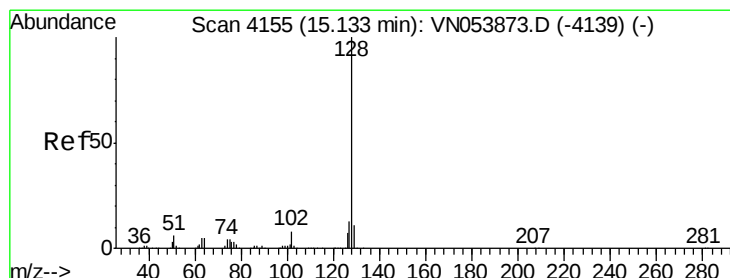
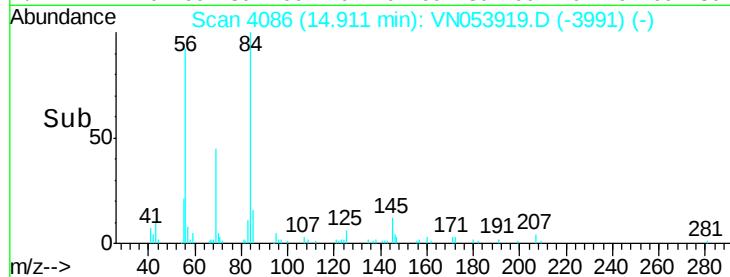
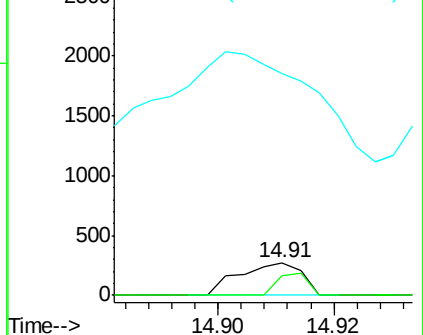
#93

1,2,4-Trichlorobenzene
Concen: 2.945 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tot Ion:180 Resp: 205
Ion Ratio Lower Upper
180 100
182 32.7 48.6 145.9#
145 2538.5 13.8 41.3#



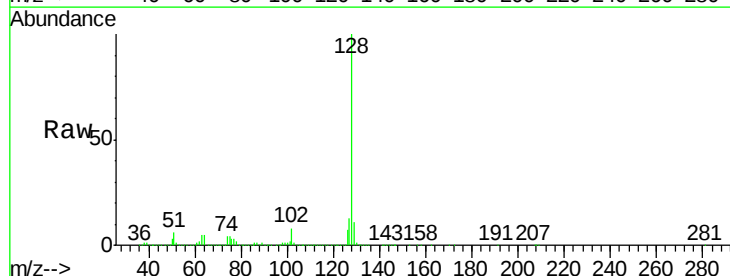
Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



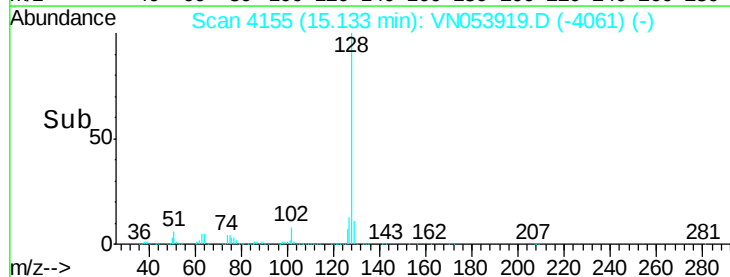
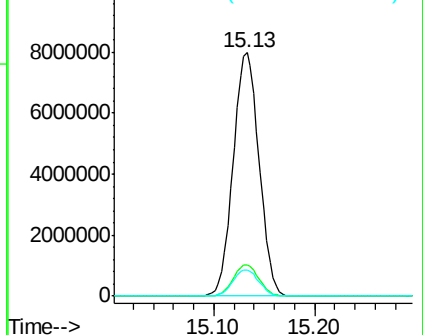
#95

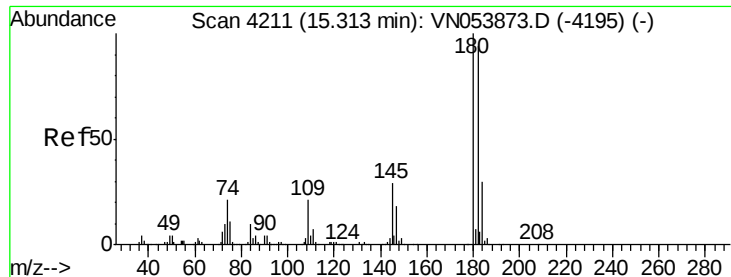
Naphthalene
Concen: 593.804 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053919.D
Acq: 22 Feb 2019 16:39

Tgt Ion:128 Resp:14185433
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.6 12.8



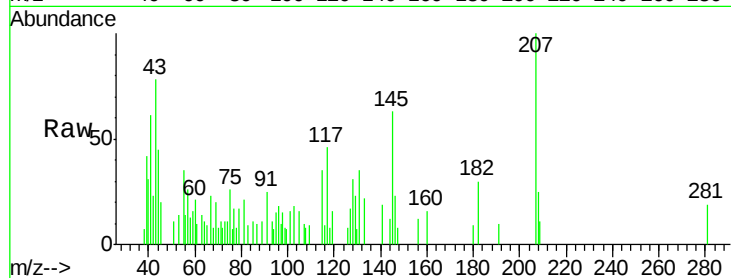
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.574 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053919.D
 Acq: 22 Feb 2019 16:39

Tot Ion	Ratio	Lower	Upper
180	100		
182	1546.7	47.3	141.8#
145	0.0	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

