

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054059.D
 Acq On : 4 Mar 2019 10:53
 Operator : JC/SP
 Sample : K1560-09 MDL 2.5ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 09:58:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 00:48:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	120850	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	636467	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	532081	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	258237	30.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.43%
60) 4-Bromofluorobenzene	12.40	95	223520	27.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.50%
63) Toluene-d8	10.09	98	781689	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	19087	2.793	ug/l 98
3) Chloromethane	2.06	50	26445	2.910	ug/l 96
4) Vinyl Chloride	2.19	62	24832	2.728	ug/l 96
5) Bromomethane	2.57	94	16685	2.980	ug/l 95
6) Chloroethane	2.71	64	15465	2.886	ug/l 94
7) Trichlorofluoromethane	3.02	101	30677	2.774	ug/l 93
8) Diethyl Ether	3.41	74	10992	2.643	ug/l 85
9) 1,1,2-Trichlorotrifluoroet	3.75	101	18859	2.653	ug/l 96
10) 1,1-Dichloroethene	3.74	96	18339	2.753	ug/l 99
11) Methyl Iodide	3.95	142	19980	2.022	ug/l 98
12) Methyl Acetate	4.33	43	15416	2.745	ug/l 98
13) Acrolein	3.61	56	7401	34.372	ug/l 99
14) Acrylonitrile	4.99	53	32524	12.050	ug/l # 89
15) Acetone	3.81	58	10698	13.754	ug/l 98
16) Carbon Disulfide	4.05	76	58447	2.704	ug/l 99
17) Allyl chloride	4.32	41	27850	2.364	ug/l 98
18) Methylene Chloride	4.55	84	24849	3.230	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	19044m	2.635	ug/l
20) Diisopropyl ether	5.95	45	51403	2.181	ug/l 94
21) 1,1-Dichloroethane	5.85	63	37299	2.680	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	20859	2.593	ug/l 95
23) tert-Butyl Alcohol	4.78	59	5835m	12.070	ug/l
24) Methyl tert-Butyl Ether	5.04	73	43447	2.409	ug/l 99
25) Chloroform	7.37	83	36597	2.725	ug/l 98
26) Cyclohexane	7.65	56	30141	2.380	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	24606	2.468	ug/l 99
30) 2-Butanone	6.84	43	38248	12.151	ug/l 98
31) 2,2-Dichloropropane	6.83	77	27009	2.747	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	29179	2.721	ug/l 96
33) Carbon Tetrachloride	7.77	117	26439	2.785	ug/l 93
34) Benzene	8.04	78	77854	2.628	ug/l # 30
35) Methacrylonitrile	7.19	41	9061m	2.574	ug/l
36) 1,2-Dichloroethane	8.12	62	27722	2.914	ug/l # 86
37) Trichloroethene	8.83	130	20611	2.665	ug/l 94
38) Methylcyclohexane	9.08	83	28261	2.402	ug/l 99
39) 1,2-Dichloropropane	9.12	63	19799	2.439	ug/l 99
40) Dibromomethane	9.21	93	12382	2.661	ug/l 99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 00:48:50 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

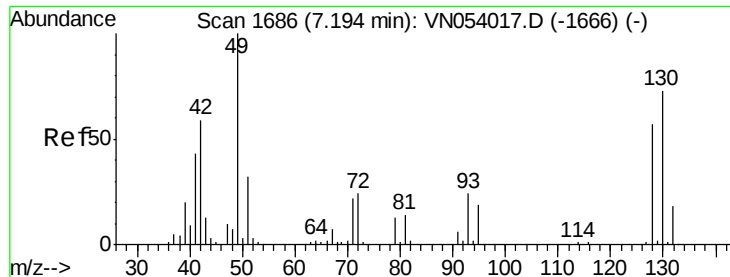
41) Bromodichloromethane	9.40	83	26363	2.670	ug/l	93
42) Vinyl Acetate	5.90	43	182886	11.246	ug/l #	89
43) Ethyl Acetate	6.93	43	18334m	2.781	ug/l	
44) Isopropyl Acetate	8.17	43	29206	2.524	ug/l	94
45) 1,4-Dioxane	9.20	88	3138	49.575	ug/l	88
46) Methyl methacrylate	9.20	41	11689	2.103	ug/l	91
47) n-amyl Acetate	12.07	43	15034	1.769	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	22396	2.262	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	27117	2.333	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	17421	2.669	ug/l	94
51) Ethyl methacrylate	10.43	69	15942	2.029	ug/l	87
52) 1,3-Dichloropropane	10.71	76	28327	2.529	ug/l	100
53) Dibromochloromethane	10.90	129	17447	2.433	ug/l	97
54) 1,2-Dibromoethane	11.00	107	15879	2.554	ug/l	95
55) 2-Chloroethyl vinyl ether	9.70	63	35690	9.788	ug/l	98
56) Bromoform	12.13	173	11507	2.416	ug/l #	91
58) 4-Methyl-2-Pentanone	9.98	43	70592	11.774	ug/l	94
59) 2-Hexanone	10.75	43	46351	11.833	ug/l	93
61) Tetrachloroethene	10.63	164	20537	2.776	ug/l	97
62) Toluene	10.16	91	82342	2.769	ug/l	99
64) Chlorobenzene	11.43	112	48715	2.690	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	18100	2.722	ug/l	99
66) Ethyl Benzene	11.51	91	77481	2.493	ug/l	98
67) m/p-Xylenes	11.62	106	56025	4.787	ug/l	98
68) o-Xylene	11.95	106	27415	2.417	ug/l	99
69) Styrene	11.96	104	39631	2.206	ug/l	99
70) Isopropylbenzene	12.25	105	72957	2.450	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	20008	2.723	ug/l	94
72) 1,2,3-Trichloropropane	12.55	75	15982m	2.864	ug/l	
73) Bromobenzene	12.53	156	18805	2.505	ug/l	98
74) n-propylbenzene	12.59	91	81259	2.292	ug/l	98
75) 2-Chlorotoluene	12.67	91	52536	2.530	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	58147	2.305	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	4139	2.084	ug/l	92
78) 4-Chlorotoluene	12.77	91	46423	2.234	ug/l	98
79) tert-butylbenzene	12.99	119	53875	2.438	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	54178	2.158	ug/l	99
81) sec-Butylbenzene	13.17	105	72062	2.377	ug/l	95
82) p-Isopropyltoluene	13.29	119	55154	2.131	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	28858	2.179	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	26957	2.132	ug/l	95
85) n-Butylbenzene	13.61	91	41606	1.844	ug/l	97
86) Hexachloroethane	13.87	117	12467	2.576	ug/l	97
87) 1,2-Dichlorobenzene	13.36	146	26957	2.099	ug/l	94
88) 1,2-Dibromo-3-Chloropropan	14.27	75	2371	2.230	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	8060	1.235	ug/l	97
90) Hexachlorobutadiene	15.01	225	11273	2.378	ug/l	96
91) Naphthalene	15.13	128	13729	1.049	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	8533	1.325	ug/l	95

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

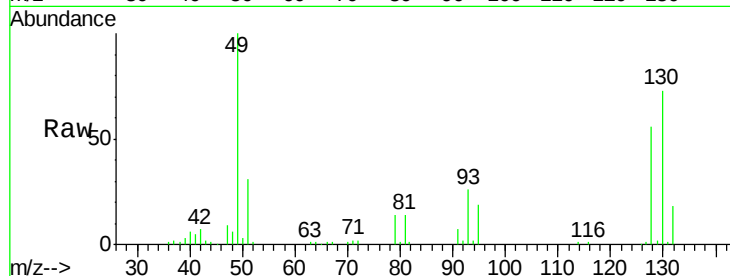
Tot Ion:128 Resp: 120850

Ion Ratio Lower Upper

128 100

49 173.0 0.0 431.8

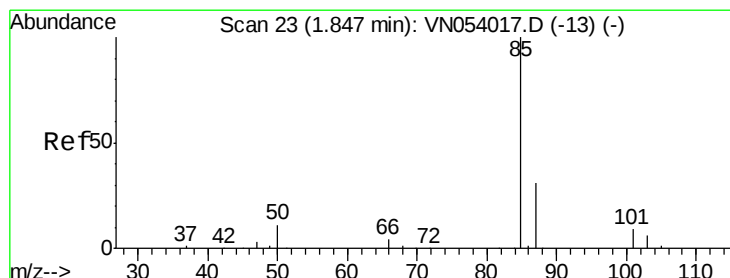
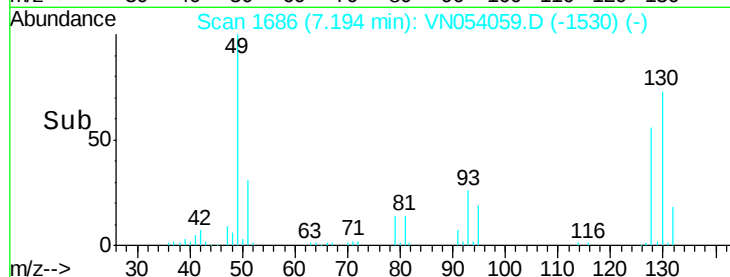
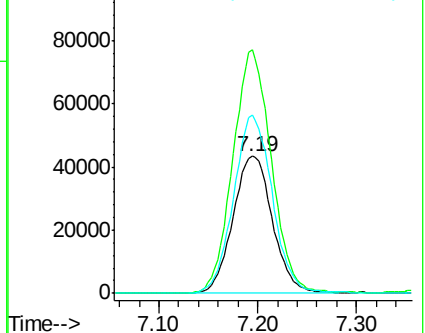
130 127.3 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.793 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054059.D

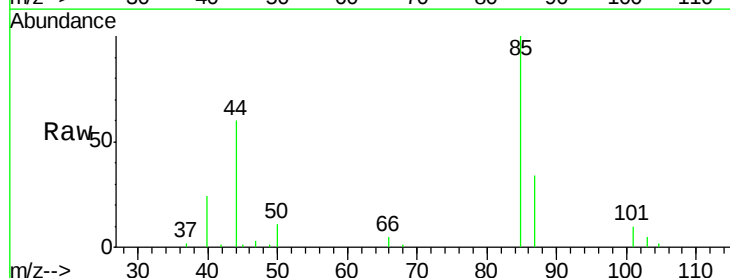
Acq: 4 Mar 2019 10:53

Tgt Ion: 85 Resp: 19087

Ion Ratio Lower Upper

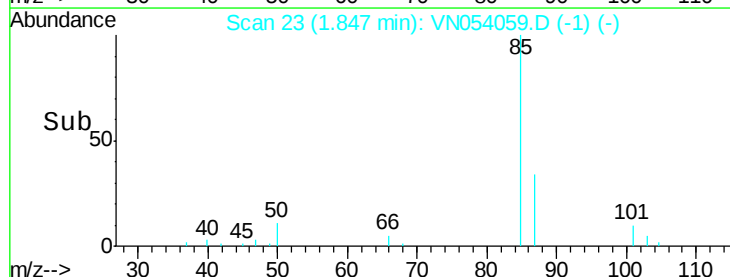
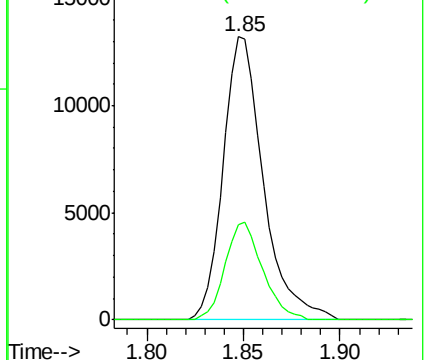
85 100

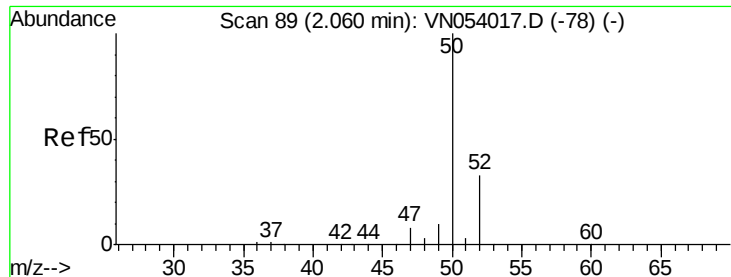
87 33.5 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 2.910 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054059.D

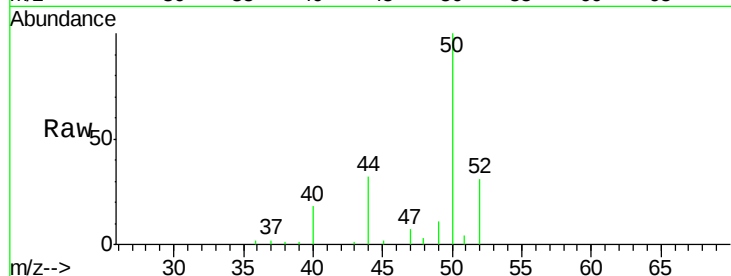
Acq: 4 Mar 2019 10:53

Tot Ion: 50 Resp: 26445

Ion Ratio Lower Upper

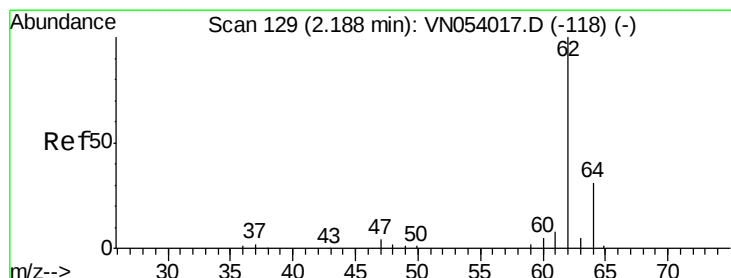
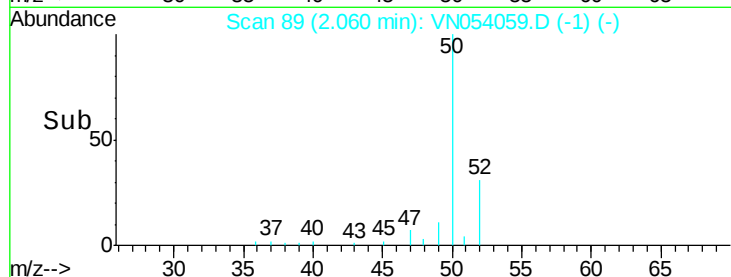
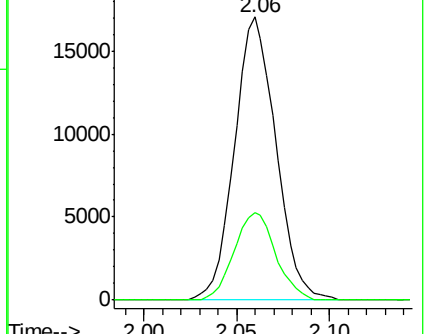
50 100

52 30.8 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 2.728 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054059.D

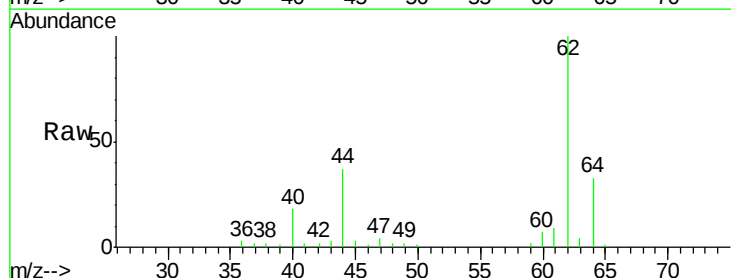
Acq: 4 Mar 2019 10:53

Tgt Ion: 62 Resp: 24832

Ion Ratio Lower Upper

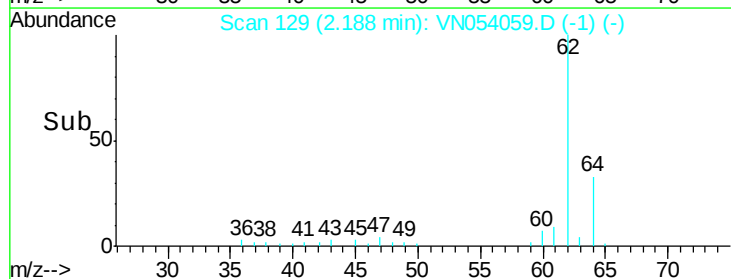
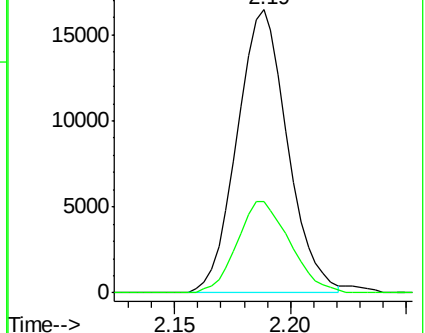
62 100

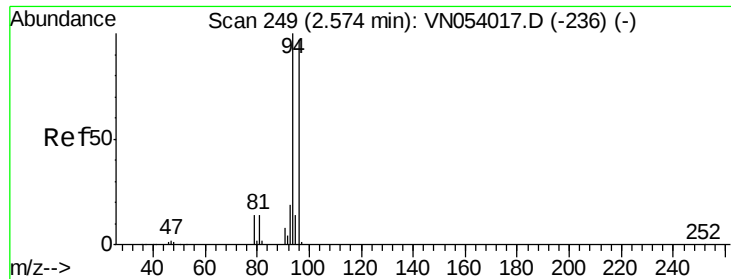
64 32.5 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 2.980 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054059.D

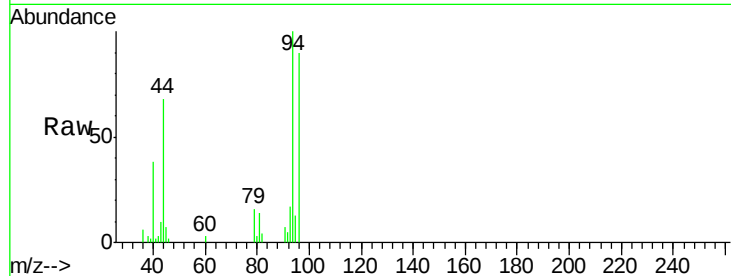
Acq: 4 Mar 2019 10:53

Tot Ion: 94 Resp: 16685

Ion Ratio Lower Upper

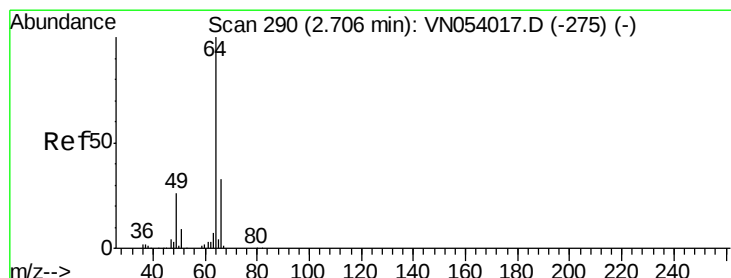
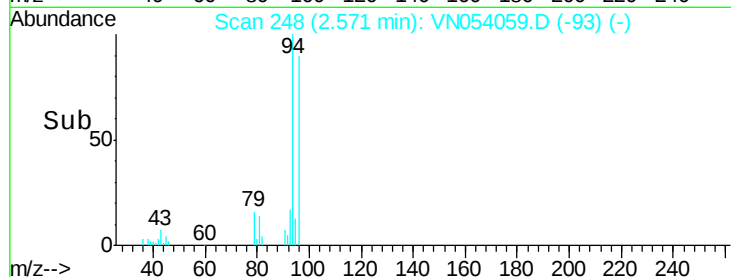
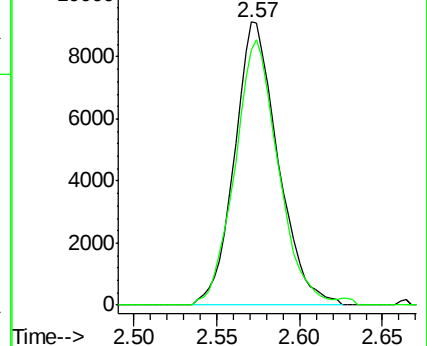
94 100

96 90.2 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 2.886 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054059.D

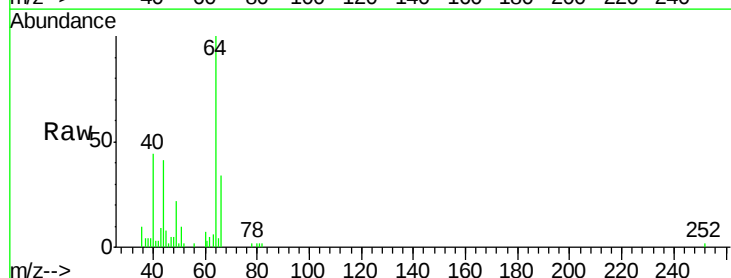
Acq: 4 Mar 2019 10:53

Tgt Ion: 64 Resp: 15465

Ion Ratio Lower Upper

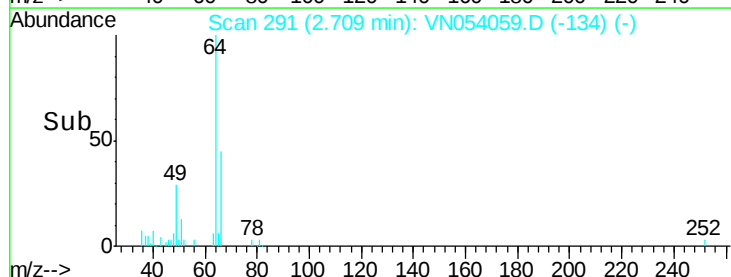
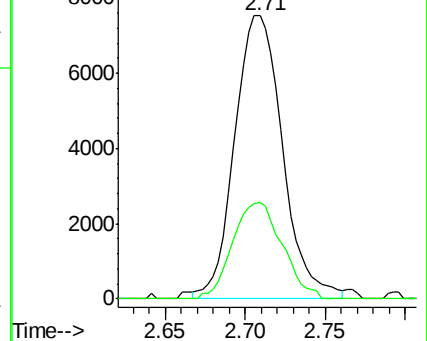
64 100

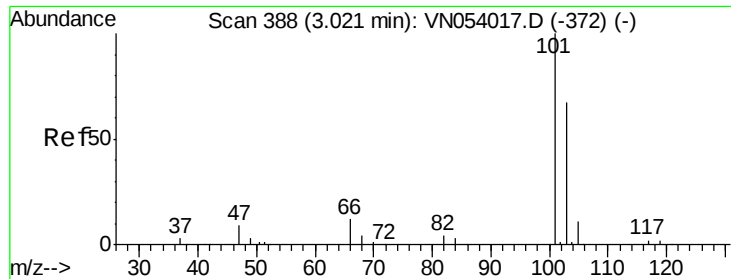
66 35.2 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 2.774 ug/l

RT: 3.02 min Scan# 387

Delta R.T. -0.00 min

Lab File: VN054059.D

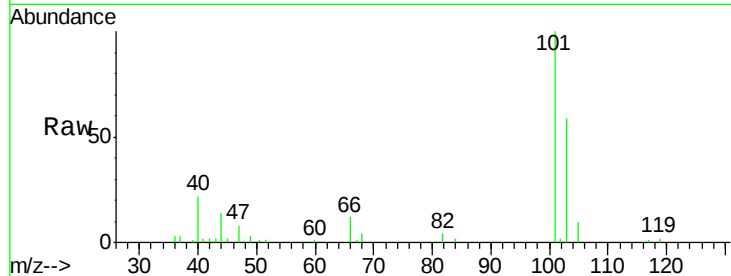
Acq: 4 Mar 2019 10:53

Tot Ion:101 Resp: 30677

Ion Ratio Lower Upper

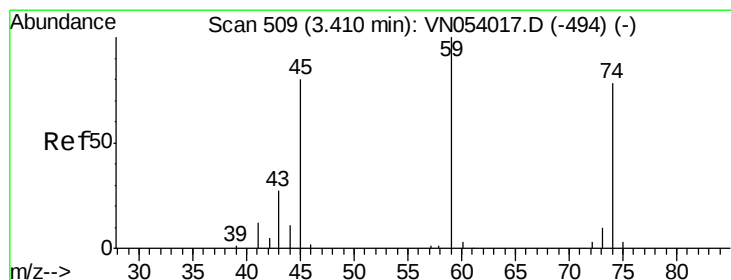
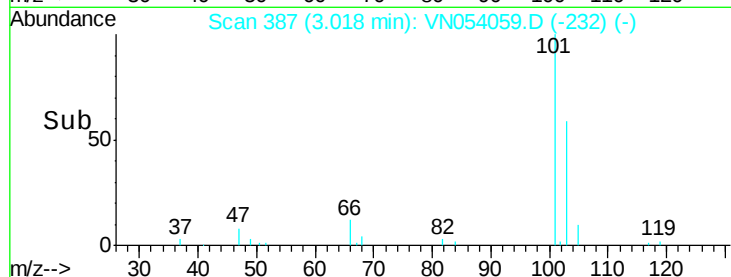
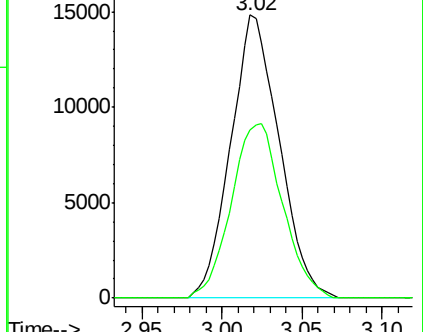
101 100

103 59.3 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 2.643 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN054059.D

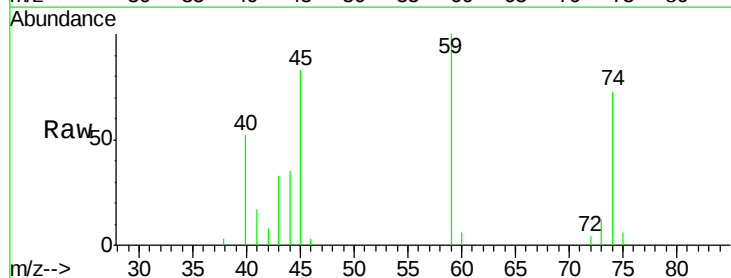
Acq: 4 Mar 2019 10:53

Tgt Ion: 74 Resp: 10992

Ion Ratio Lower Upper

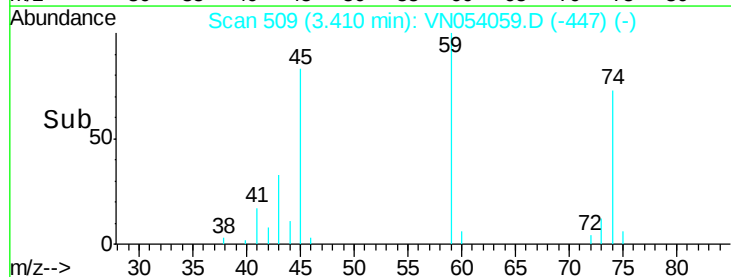
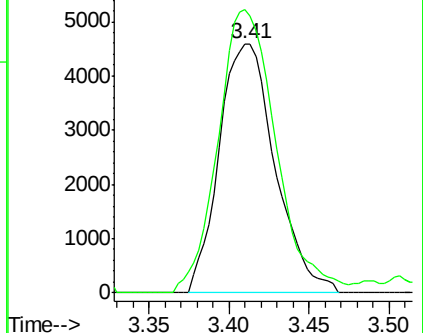
74 100

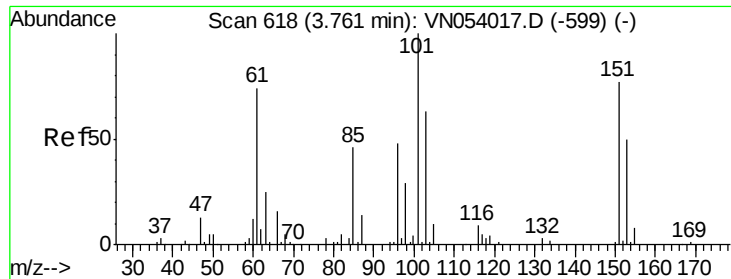
45 118.1 20.6 185.8



Abundance Ion 74.00 (73.70 to 74.70): V

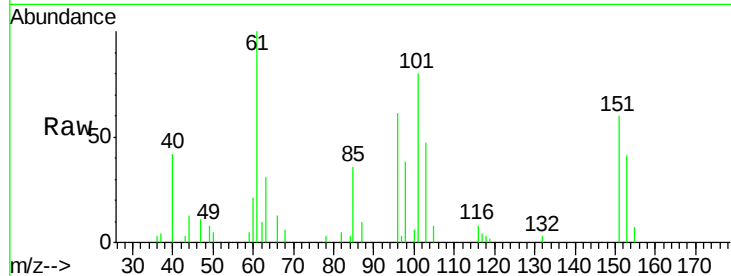
Ion 45.00 (44.70 to 45.70): V



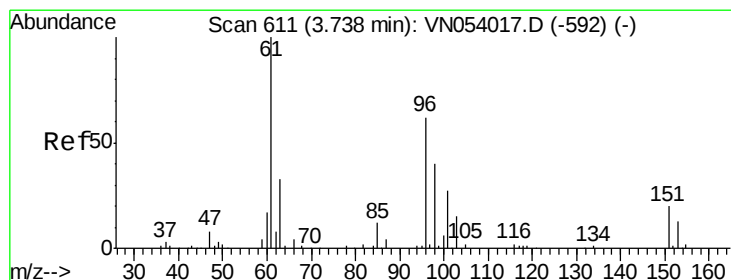
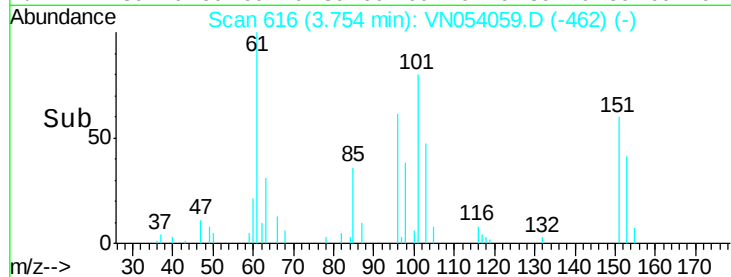
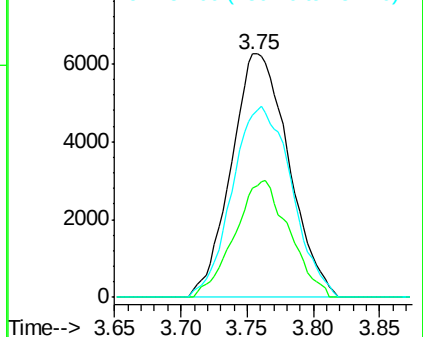


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.653 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

Tot Ion: 101 Resp: 18859
 Ion Ratio Lower Upper
 101 100
 85 45.8 0.0 82.6
 151 81.2 0.0 158.4

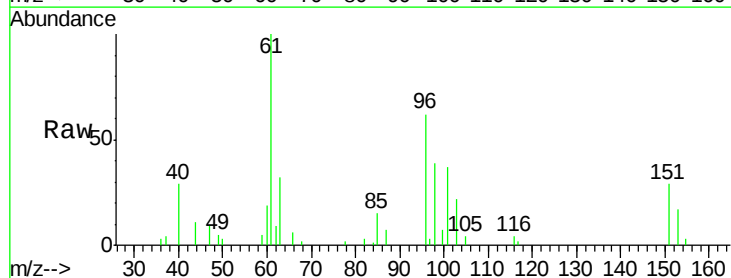


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VNO
 Ion 151.00 (150.70 to 151.70): V

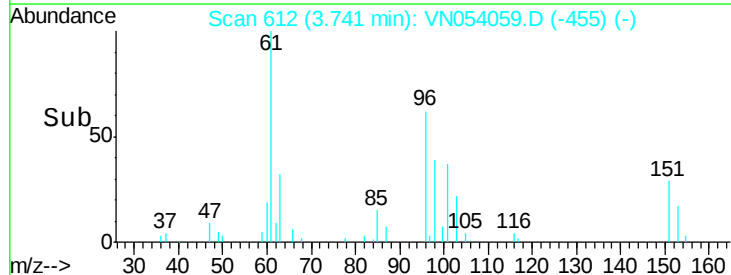
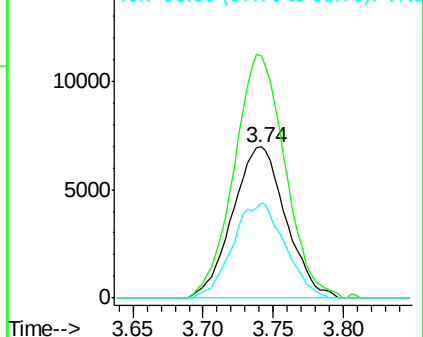


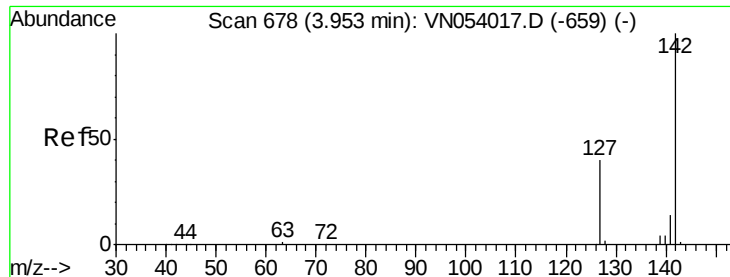
#10
 1,1-Dichloroethene
 Concen: 2.753 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

Tgt Ion: 96 Resp: 18339
 Ion Ratio Lower Upper
 96 100
 61 160.1 129.4 194.2
 98 63.1 50.4 75.6



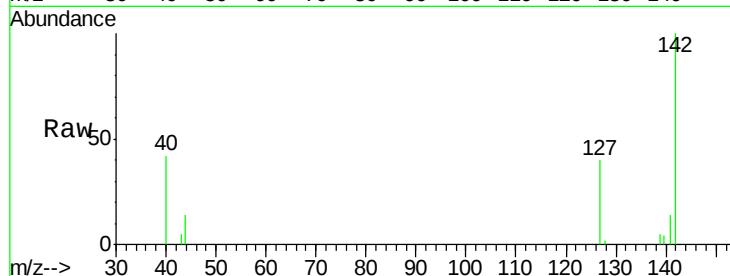
Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO



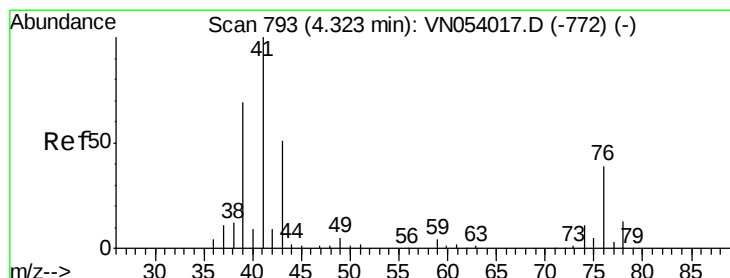
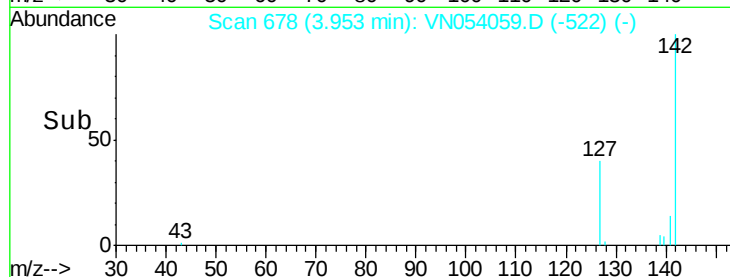
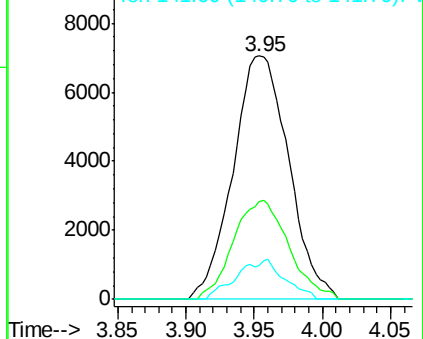


#11
Methvl Iodide
Concen: 2.022 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tot Ion:142 Resp: 19980
Ion Ratio Lower Upper
142 100
127 39.9 19.4 58.1
141 13.8 7.2 21.6

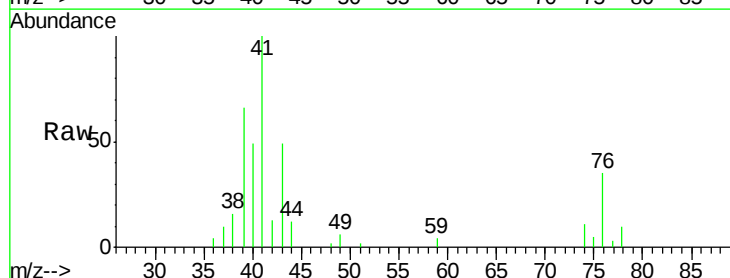


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

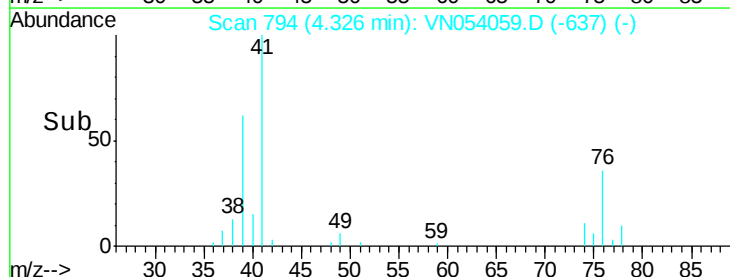
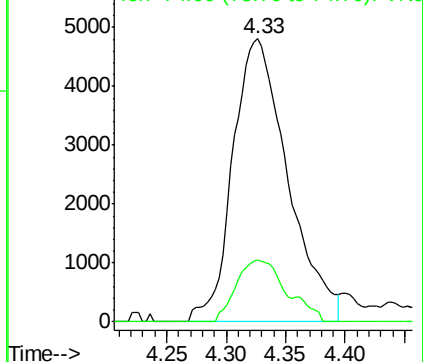


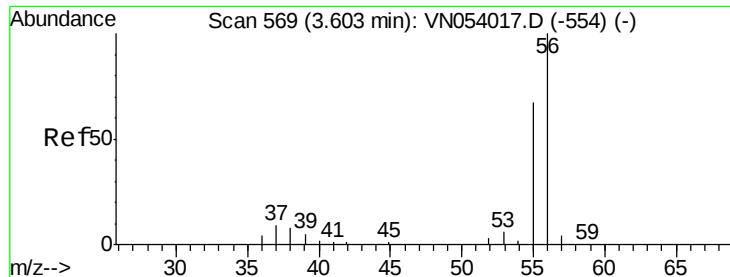
#12
Methyl Acetate
Concen: 2.745 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tgt Ion: 43 Resp: 15416
Ion Ratio Lower Upper
43 100
74 22.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 34.372 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN054059.D

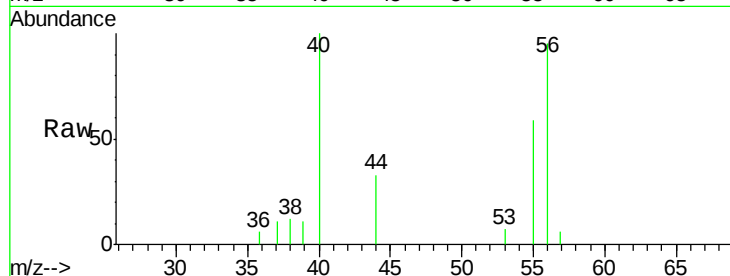
Acq: 4 Mar 2019 10:53

Tot Ion: 56 Resp: 7401

Ion Ratio Lower Upper

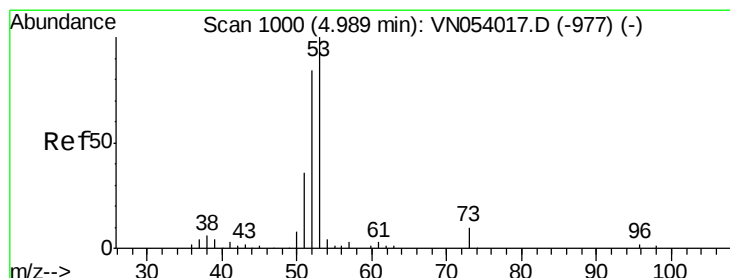
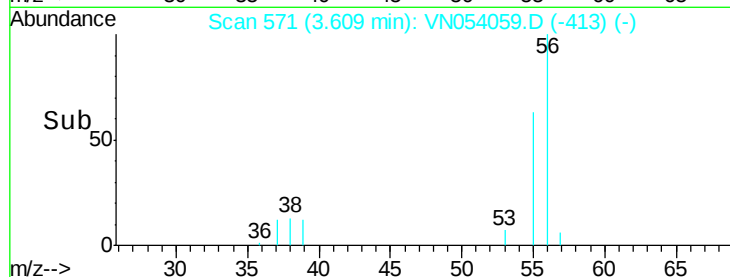
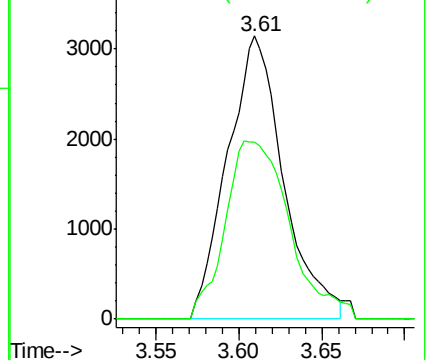
56 100

55 71.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 12.050 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

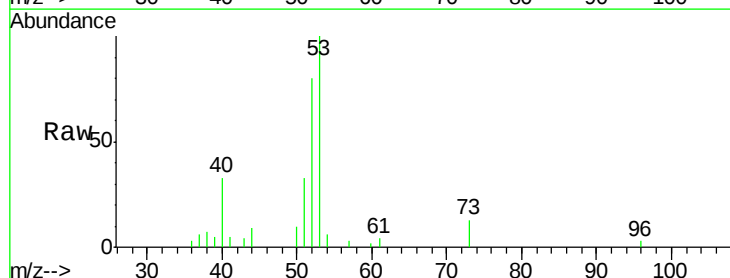
Tgt Ion: 53 Resp: 32524

Ion Ratio Lower Upper

53 100

52 81.7 39.9 119.7

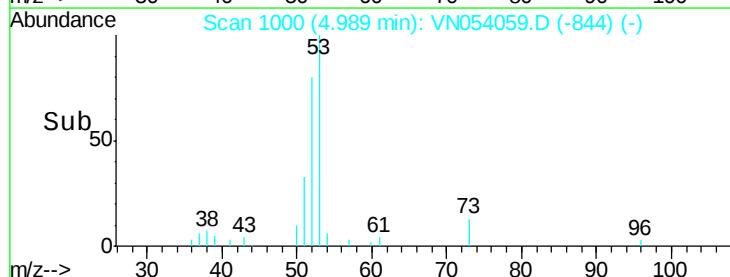
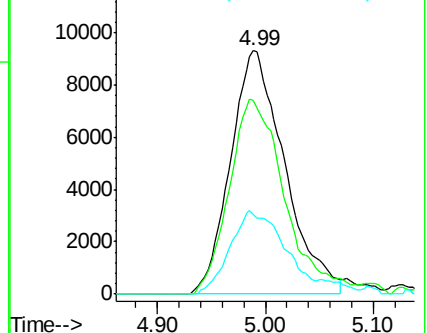
51 17.0 17.6 52.9#

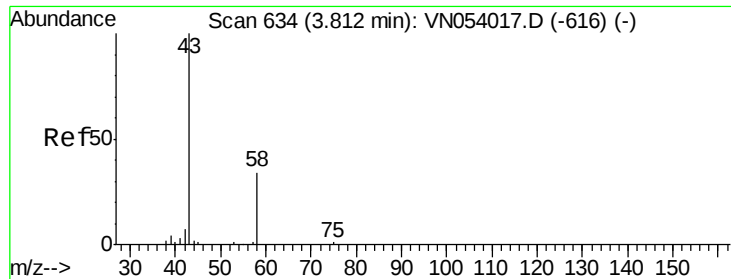


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 13.754 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN054059.D

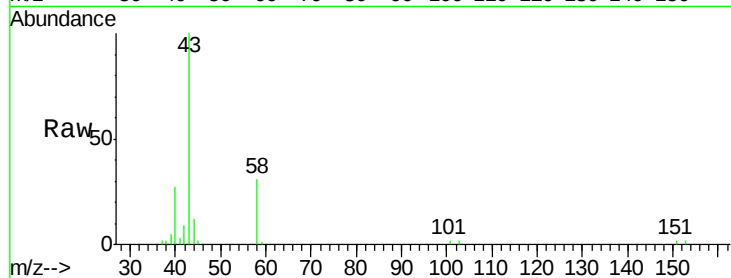
Acq: 4 Mar 2019 10:53

Tot Ion: 58 Resp: 10698

Ion Ratio Lower Upper

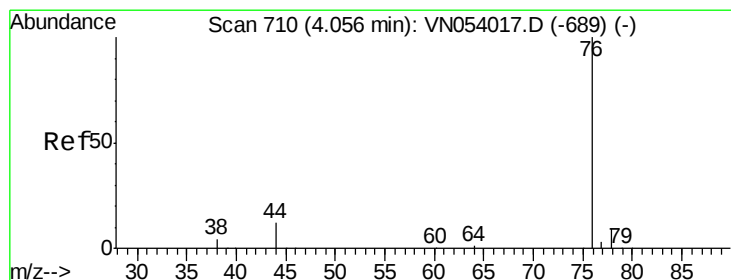
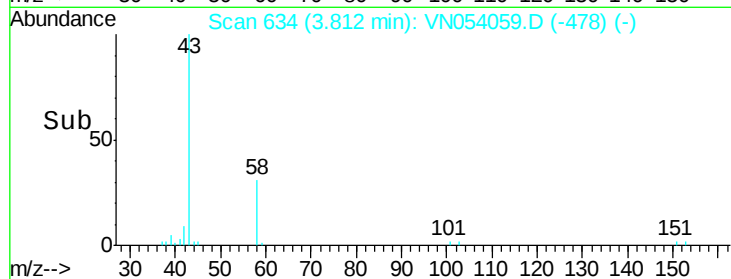
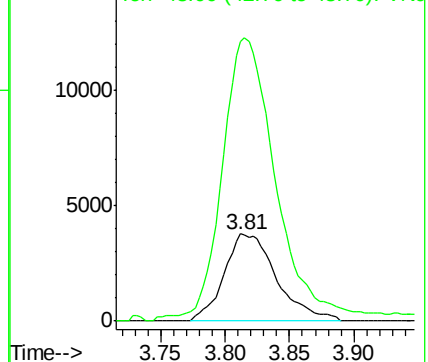
58 100

43 309.0 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 2.704 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN054059.D

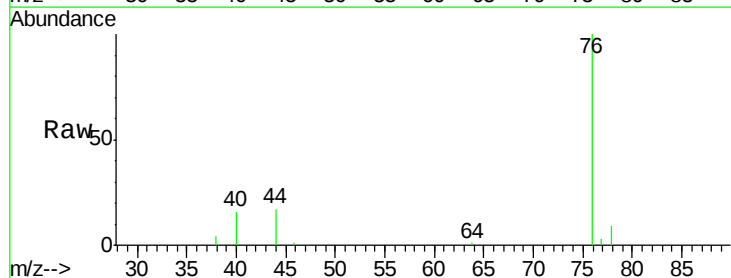
Acq: 4 Mar 2019 10:53

Tgt Ion: 76 Resp: 58447

Ion Ratio Lower Upper

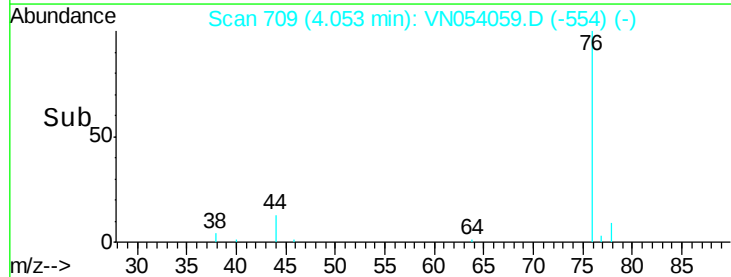
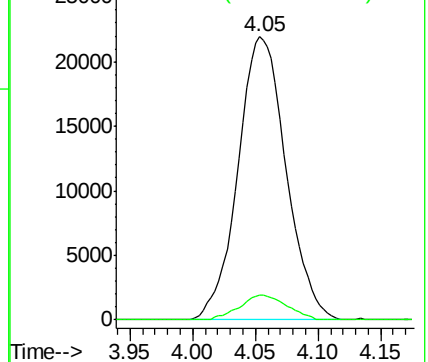
76 100

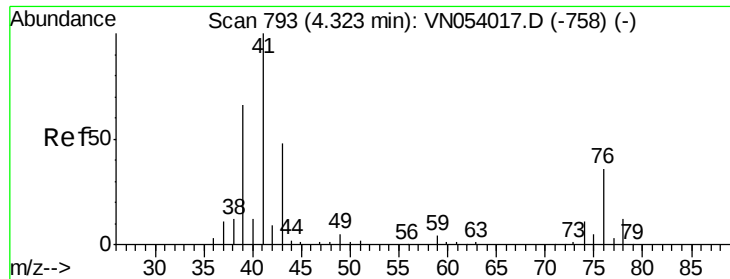
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 2.364 ug/l

RT: 4.32 min Scan# 793

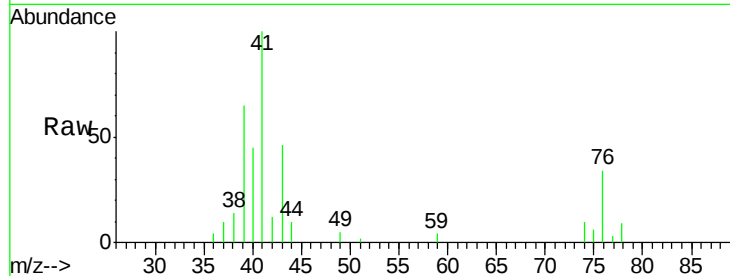
Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

Tot Ion: 41 Resp: 27850

Ion	Ratio	Lower	Upper
41	100		
39	64.3	32.8	98.3
76	35.1	18.6	55.8

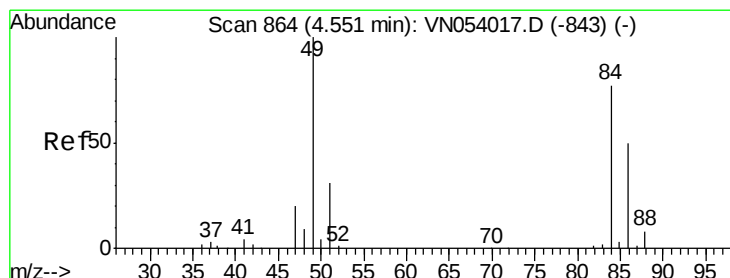
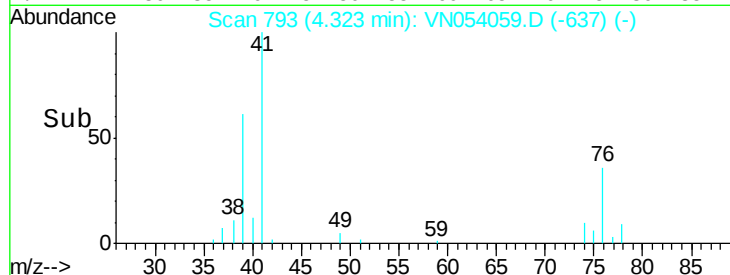
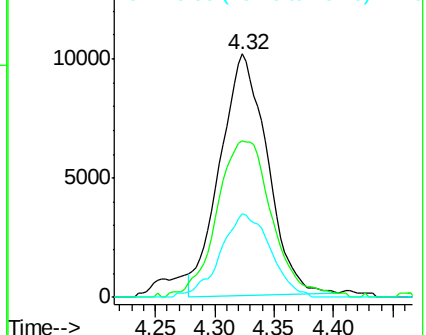


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 3.230 ug/l

RT: 4.55 min Scan# 864

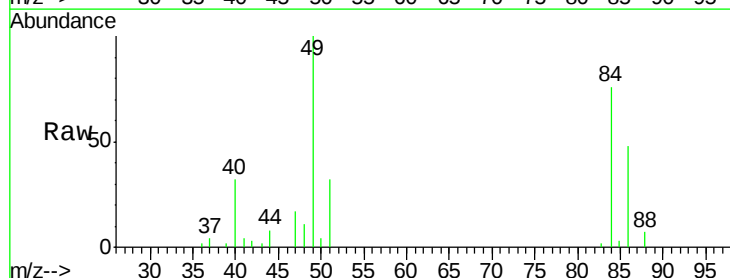
Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

Tgt Ion: 84 Resp: 24849

Ion	Ratio	Lower	Upper
84	100		
49	131.0	101.4	152.0
51	42.0	31.7	47.5
86	62.8	50.1	75.1



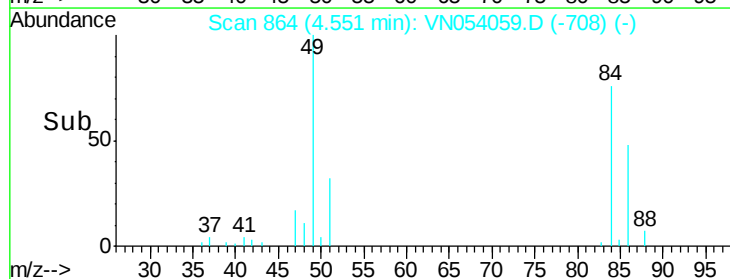
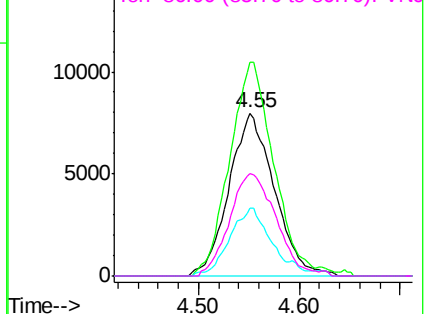
Abundance

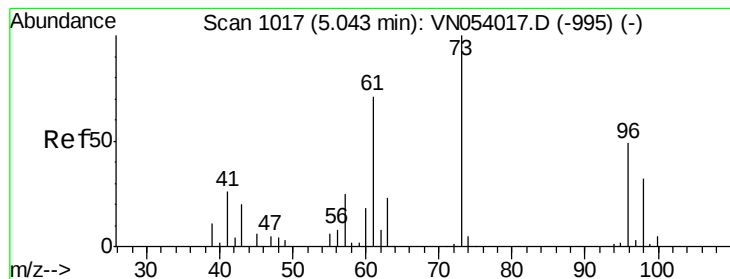
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#19

trans-1,2-Dichloroethene

Concen: 2.635 ug/l m

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

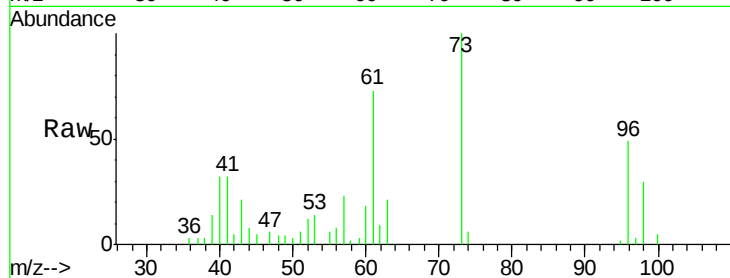
Tot Ion: 96 Resp: 19044

Ion Ratio Lower Upper

96 100

61 148.2 118.2 177.4

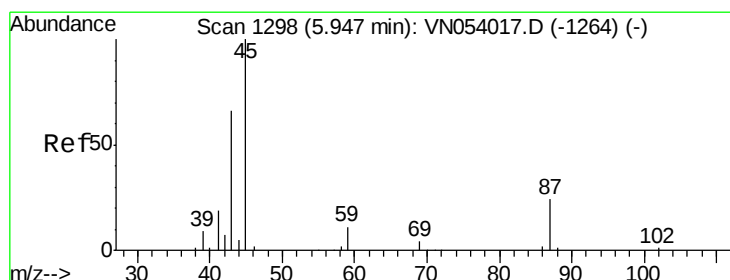
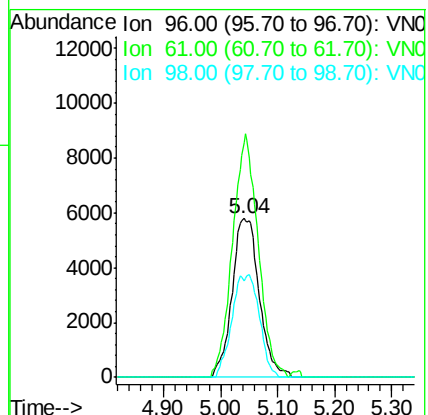
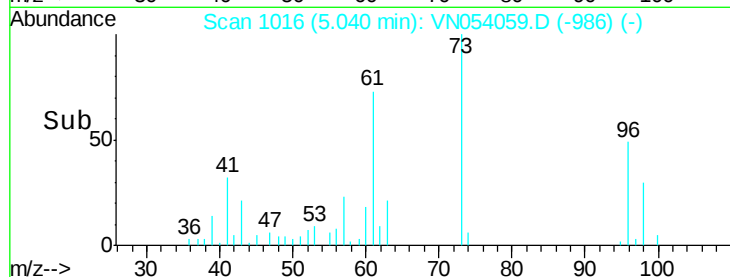
98 60.9 51.4 77.2



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 2.181 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.01 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

Tgt Ion: 45 Resp: 51403

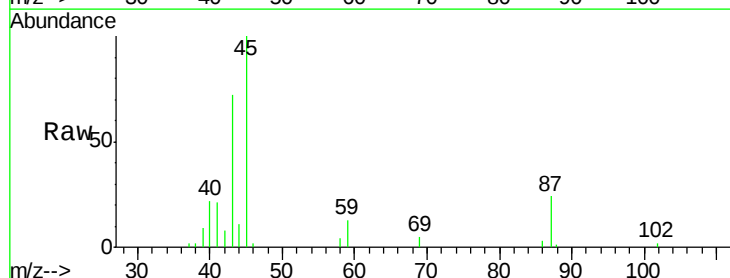
Ion Ratio Lower Upper

45 100

43 64.8 47.8 71.8

87 23.2 21.3 31.9

59 13.3 8.9 13.3

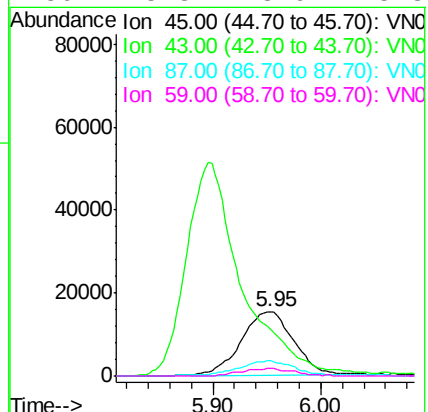
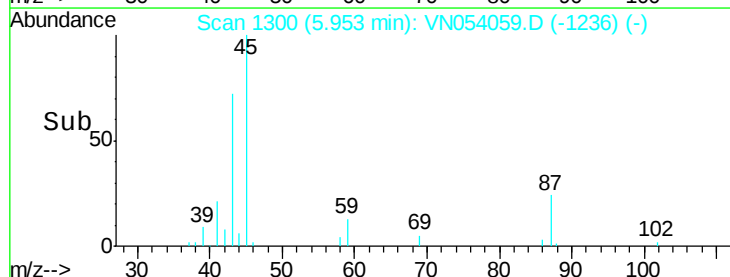


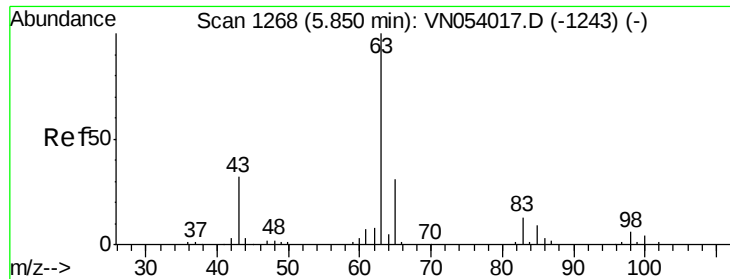
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 2.680 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

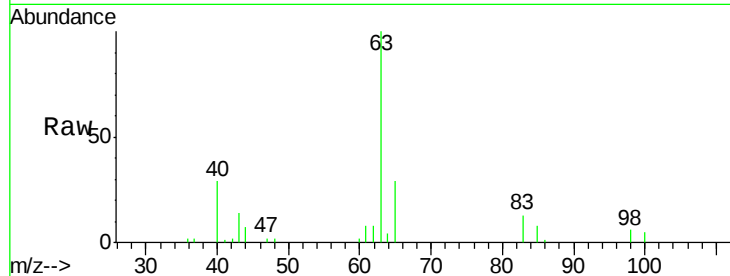
Tot Ion: 63 Resp: 37299

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.5 1.8 5.5

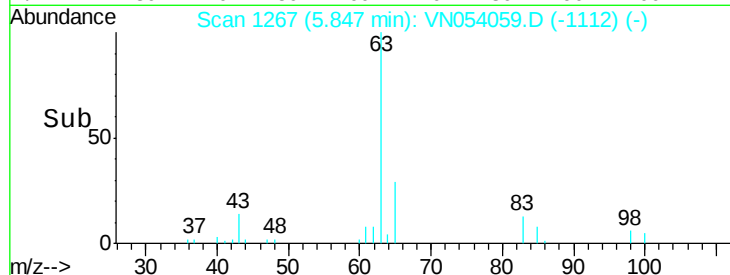


Abundance Ion 63.00 (62.70 to 63.70): VN054017.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VN054017.D (-1243) (-)

Ion 100.00 (99.70 to 100.70): VN054017.D (-1243) (-)

Time-->

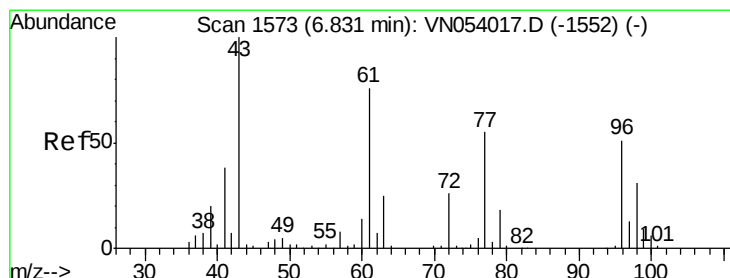


Abundance Ion 63.00 (62.70 to 63.70): VN054059.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN054059.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN054059.D (-1112) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 2.593 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

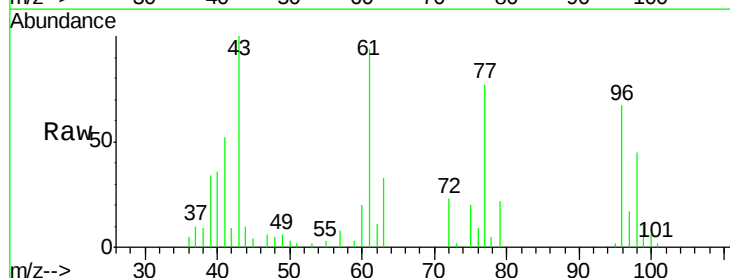
Tgt Ion: 96 Resp: 20859

Ion Ratio Lower Upper

96 100

61 151.9 116.7 175.1

98 66.7 50.8 76.2

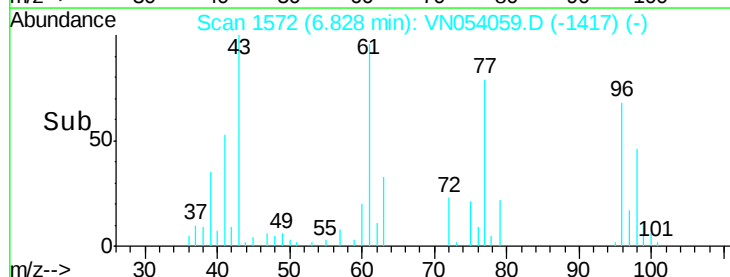


Abundance Ion 96.00 (95.70 to 96.70): VN054017.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN054017.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN054017.D (-1552) (-)

Time-->

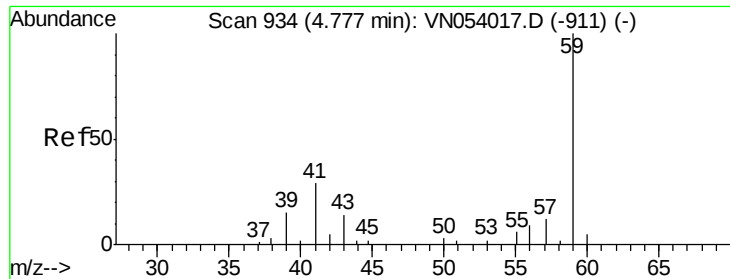


Abundance Ion 96.00 (95.70 to 96.70): VN054059.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN054059.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN054059.D (-1417) (-)

Time-->



#23

tert-Butyl Alcohol

Concen: 12.070 ug/l m

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN054059.D

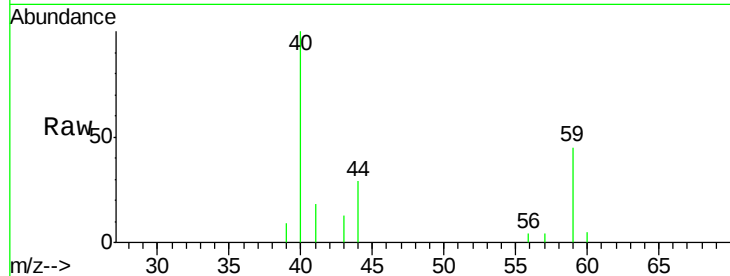
Acq: 4 Mar 2019 10:53

Tot Ion: 59 Resp: 5835

Ion Ratio Lower Upper

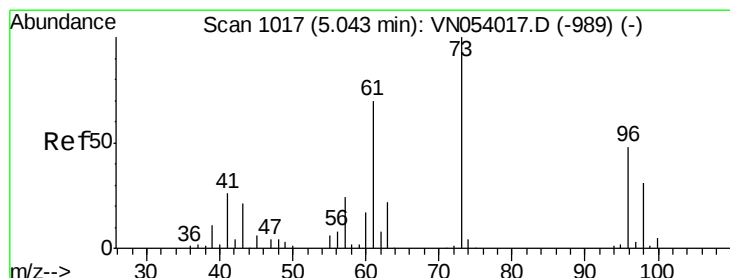
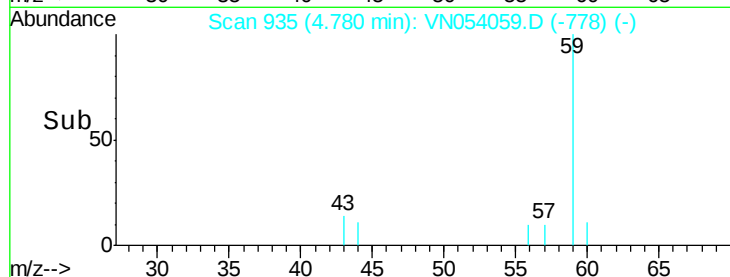
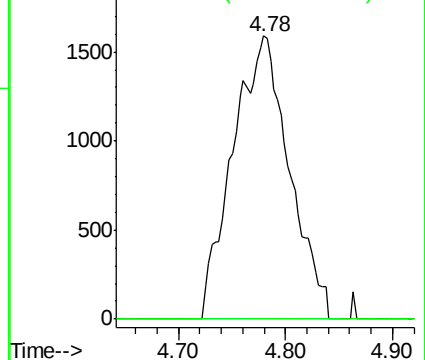
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 2.409 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN054059.D

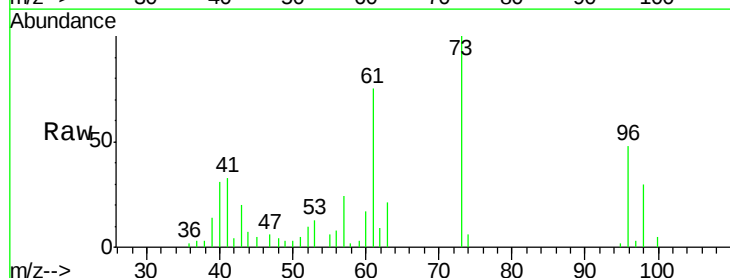
Acq: 4 Mar 2019 10:53

Tgt Ion: 73 Resp: 43447

Ion Ratio Lower Upper

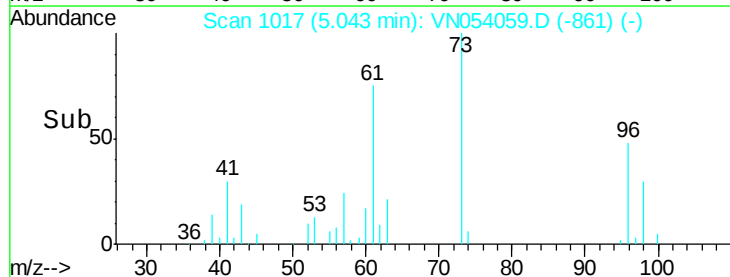
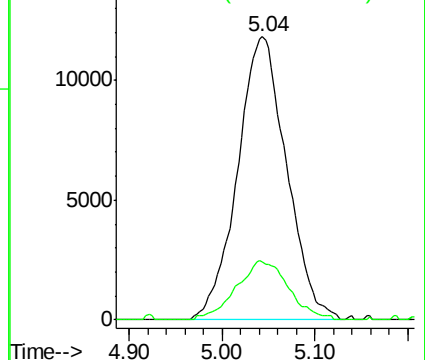
73 100

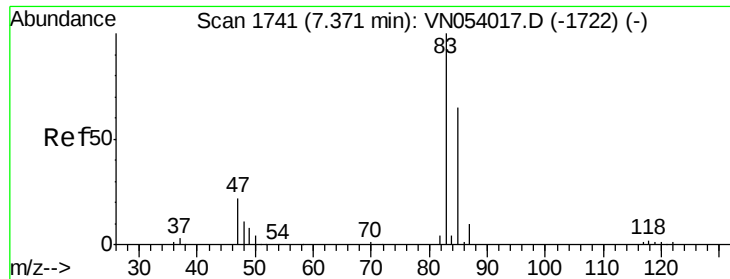
43 19.4 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 2.725 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054059.D

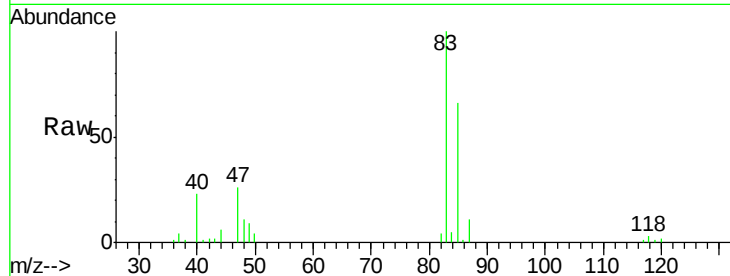
Acq: 4 Mar 2019 10:53

Tot Ion: 83 Resp: 36597

Ion Ratio Lower Upper

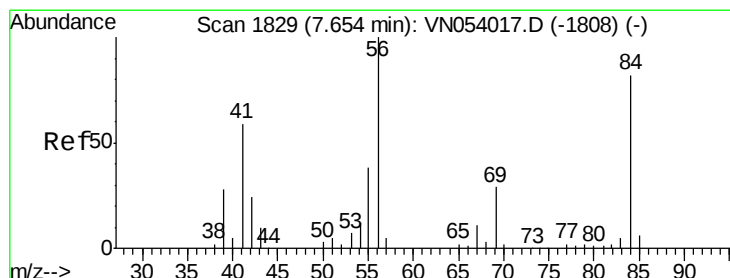
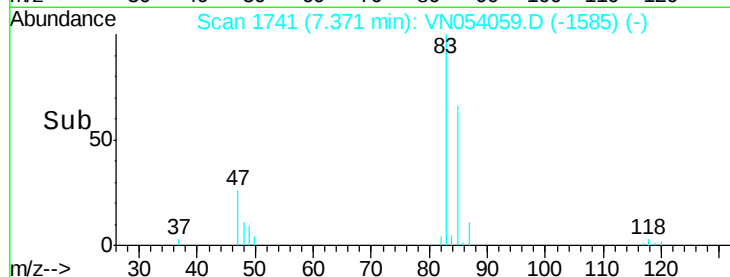
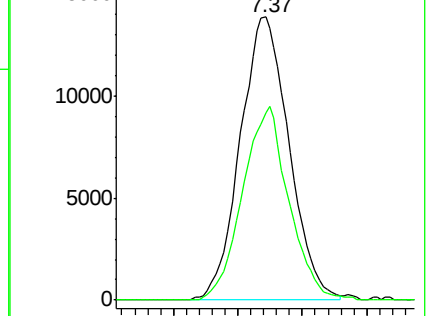
83 100

85 66.3 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 2.380 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

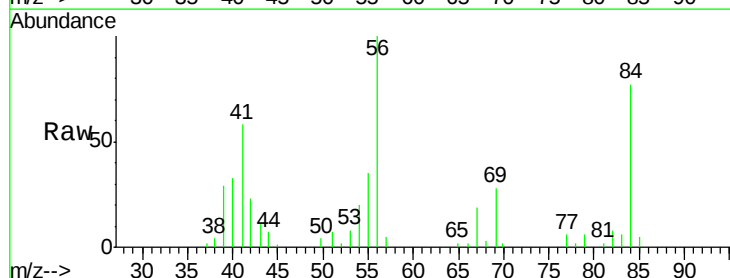
Tgt Ion: 56 Resp: 30141

Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

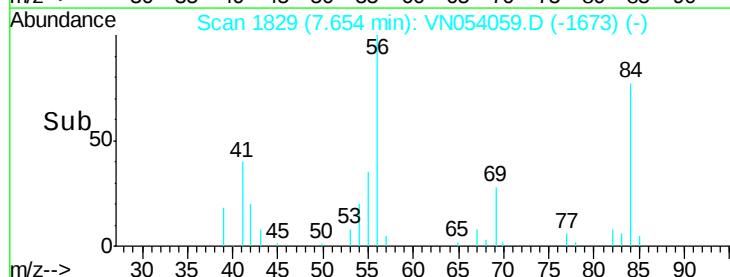
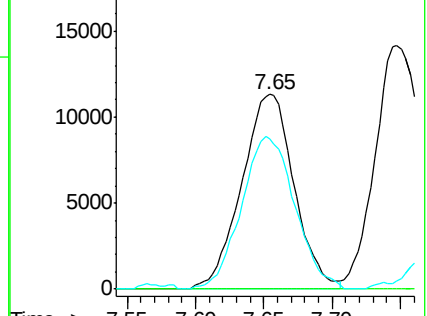
84 80.2 66.2 99.2

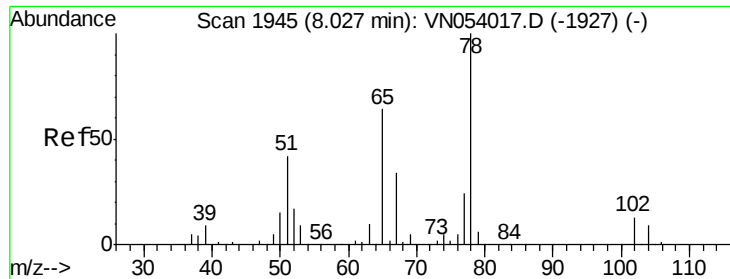


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 2.380 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054059.D

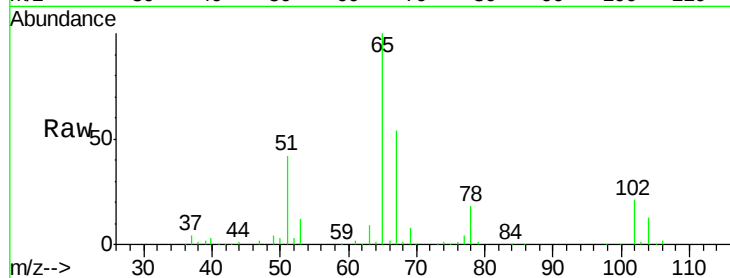
Acq: 4 Mar 2019 10:53

Tot Ion: 65 Resp: 258237

Ion Ratio Lower Upper

65 100

67 54.1 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.02

120000

100000

80000

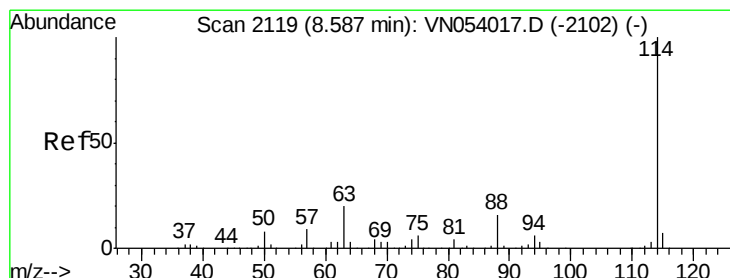
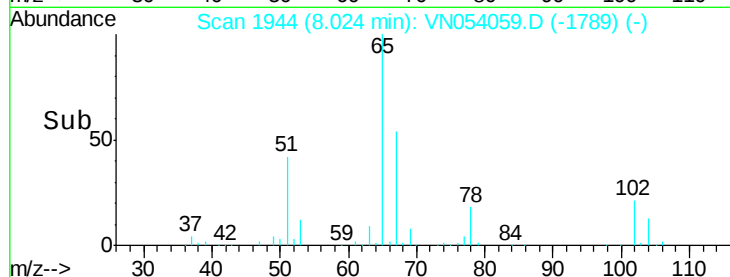
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

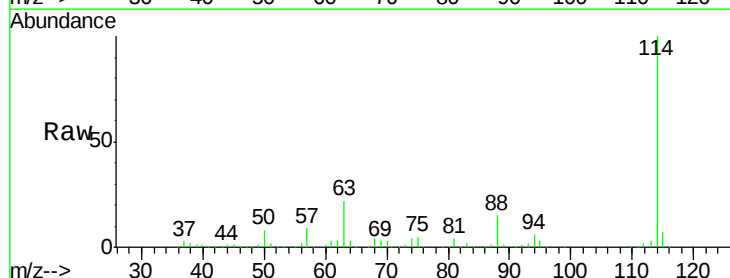
Tgt Ion: 114 Resp: 636467

Ion Ratio Lower Upper

114 100

63 20.9 16.9 25.3

88 14.8 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.58

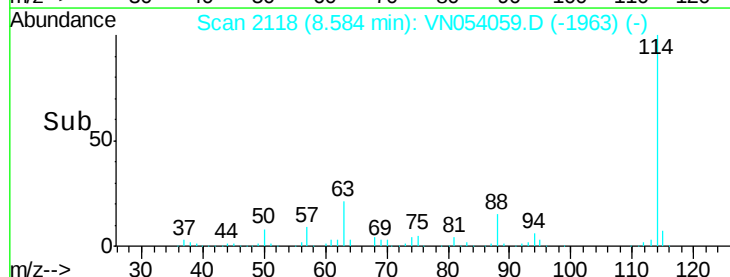
300000

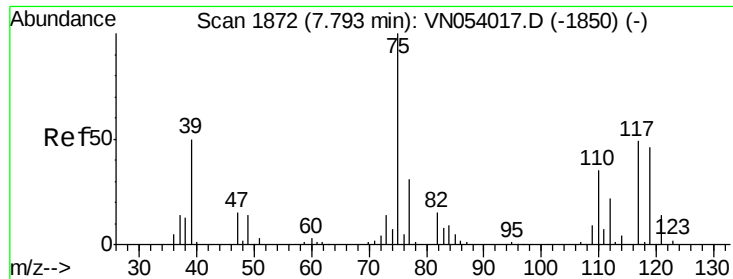
200000

100000

0

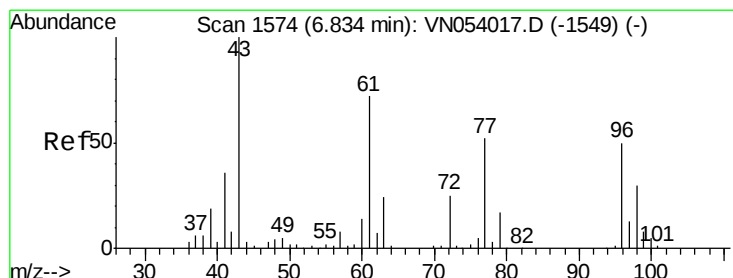
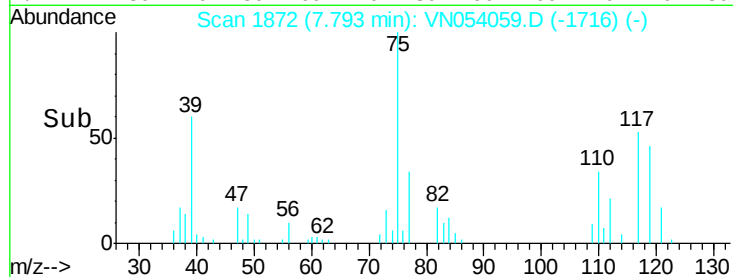
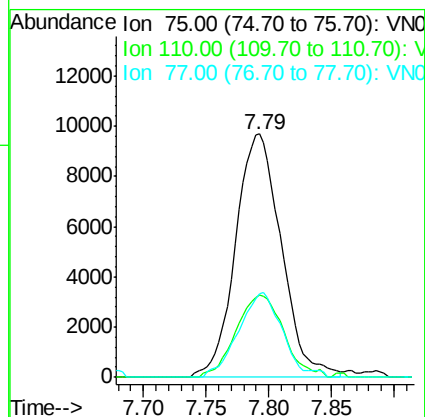
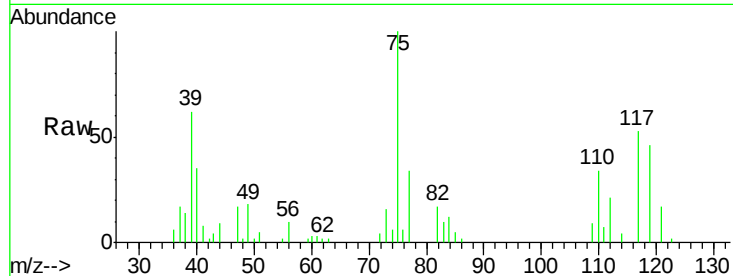
Time--> 8.50 8.60 8.70 8.80





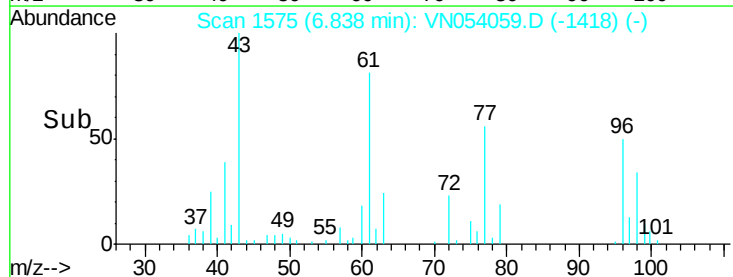
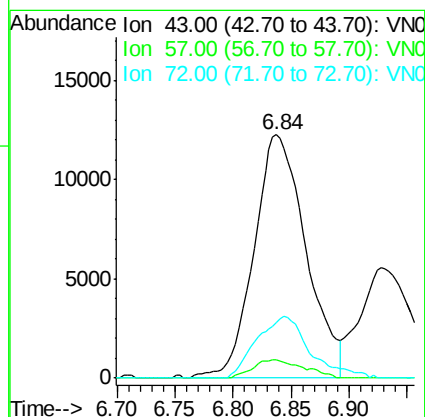
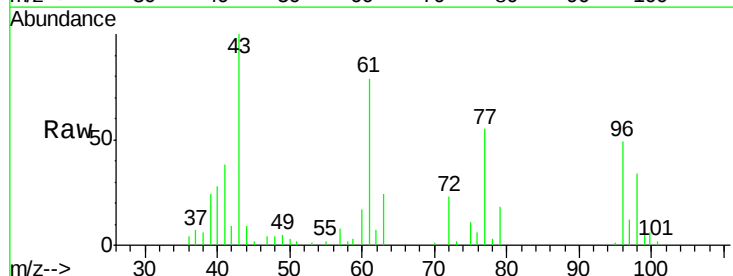
#29
 1,1-Dichloropropene
 Concen: 2.468 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

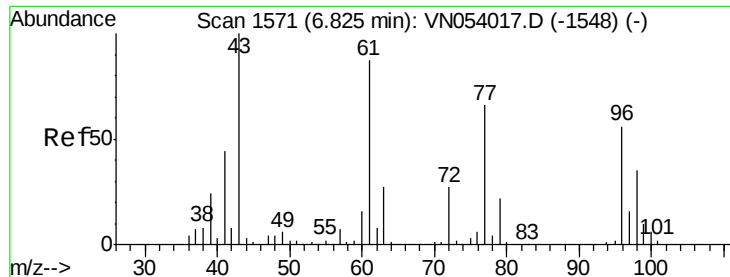
Tot Ion: 75 Resp: 24606
 Ion Ratio Lower Upper
 75 100
 110 34.7 0.0 70.2
 77 32.6 0.0 62.6



#30
 2-Butanone
 Concen: 12.151 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

Tgt Ion: 43 Resp: 38248
 Ion Ratio Lower Upper
 43 100
 57 6.3 6.2 9.4
 72 25.9 21.0 31.6





#31

2,2-Dichloropropane

Concen: 2.747 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054059.D

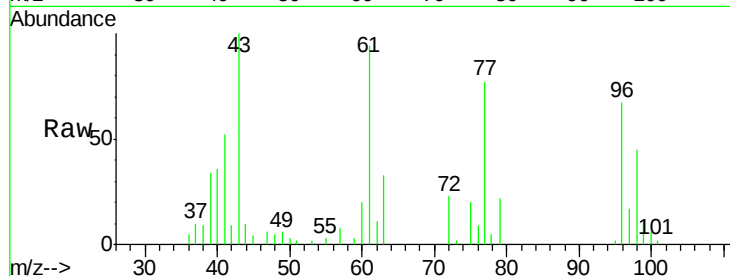
Acq: 4 Mar 2019 10:53

Tot Ion: 77 Resp: 27009

Ion Ratio Lower Upper

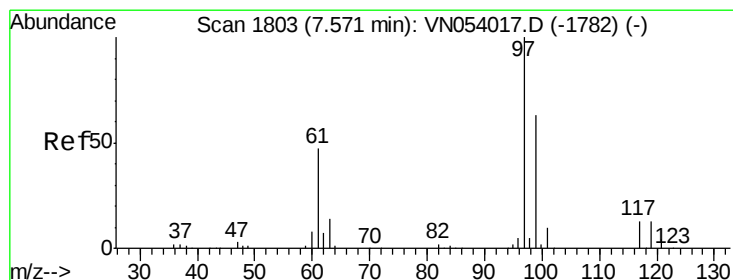
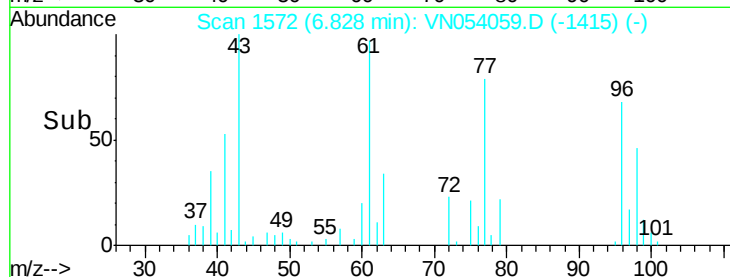
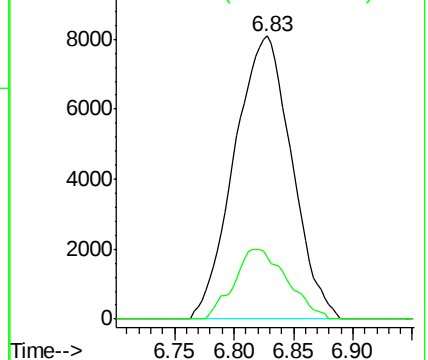
77 100

97 21.2 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 2.721 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

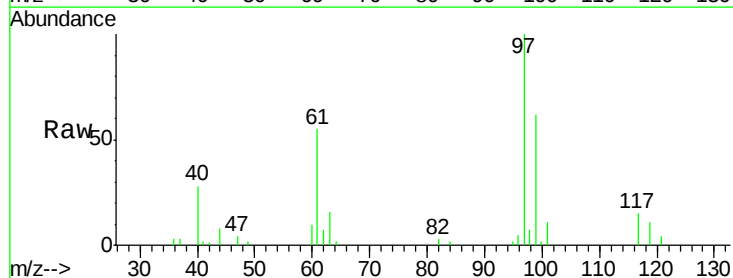
Tgt Ion: 97 Resp: 29179

Ion Ratio Lower Upper

97 100

99 66.2 50.9 76.3

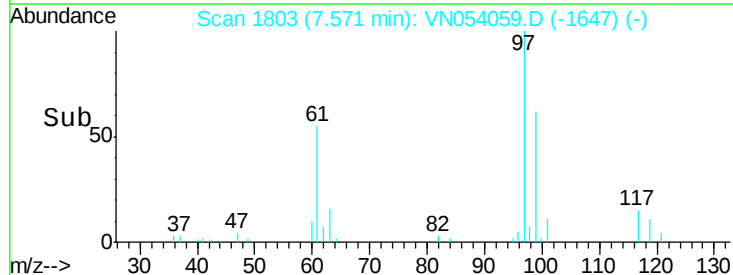
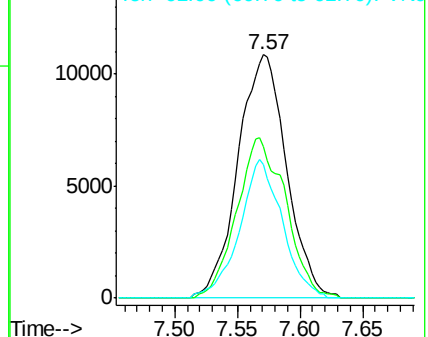
61 50.1 38.1 57.1

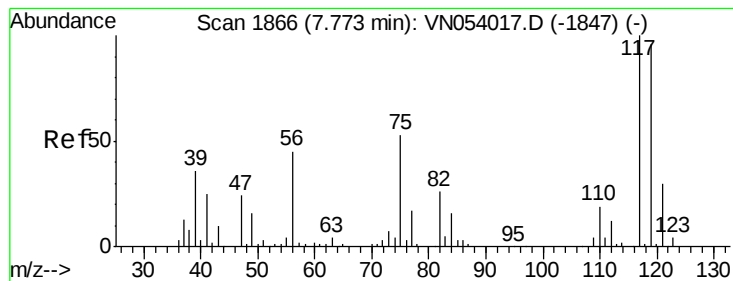


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 2.785 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

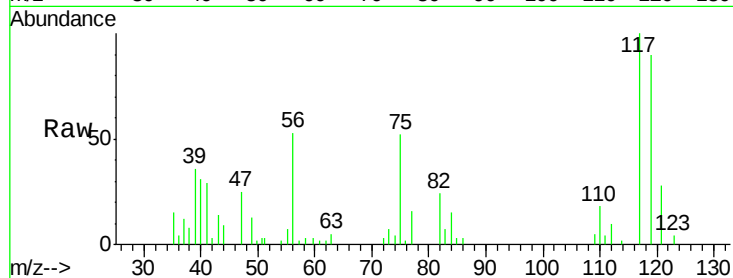
Tot Ion:117 Resp: 26439

Ion Ratio Lower Upper

117 100

119 90.0 77.3 115.9

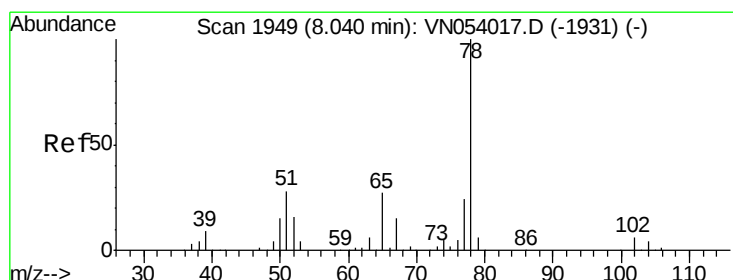
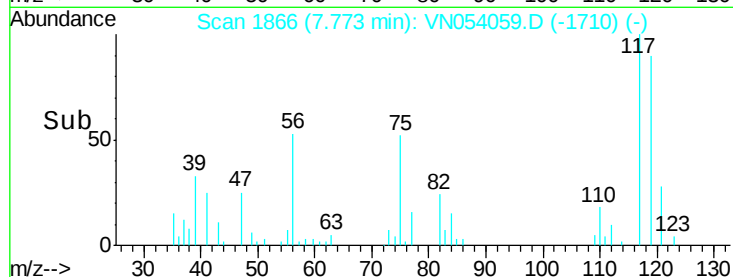
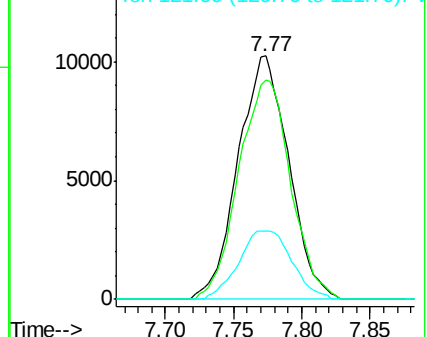
121 27.8 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 2.628 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

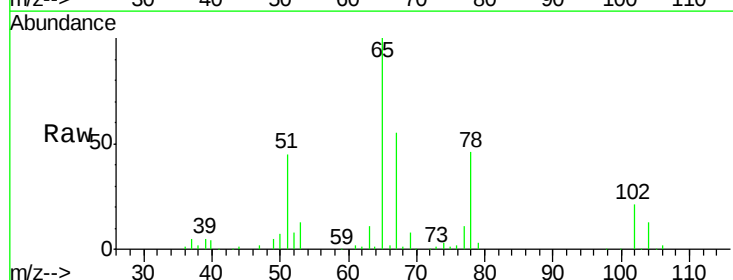
Tgt Ion: 78 Resp: 77854

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.6

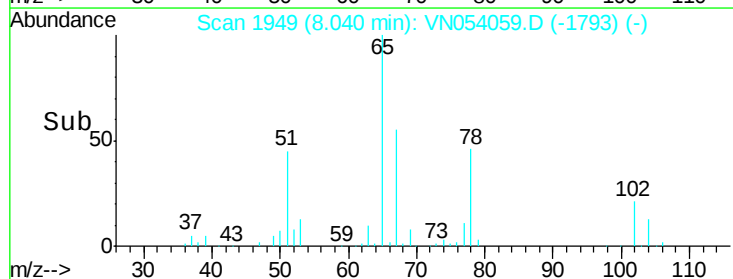
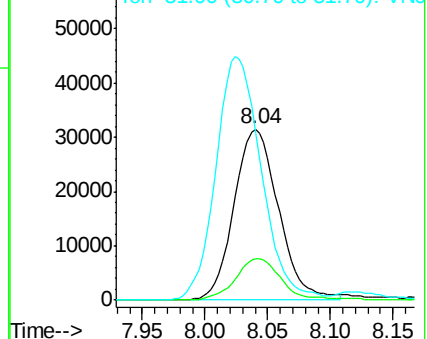
51 93.5 20.5 30.7#

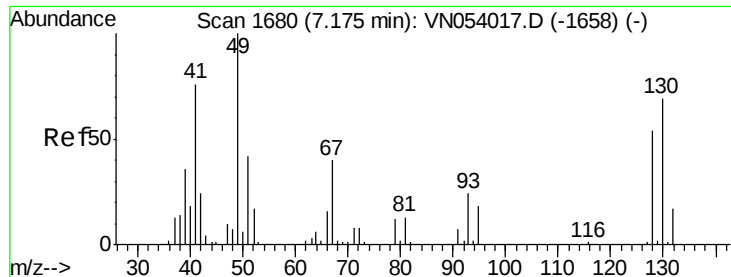


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

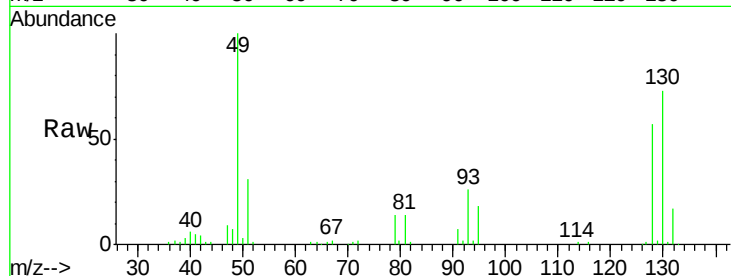
Ion 51.00 (50.70 to 51.70): V



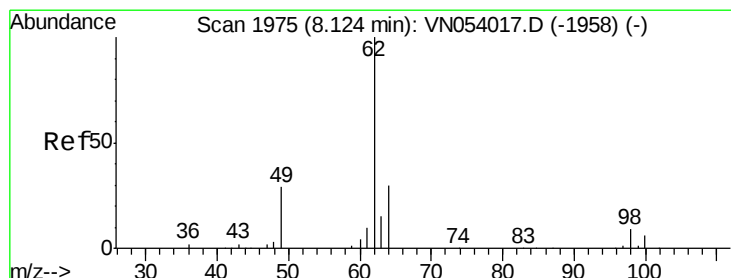
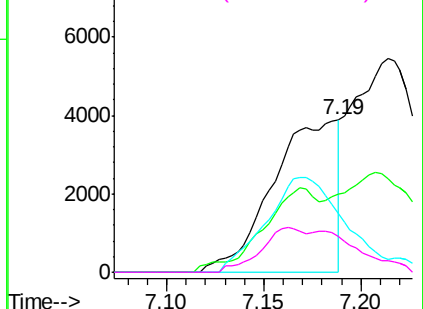
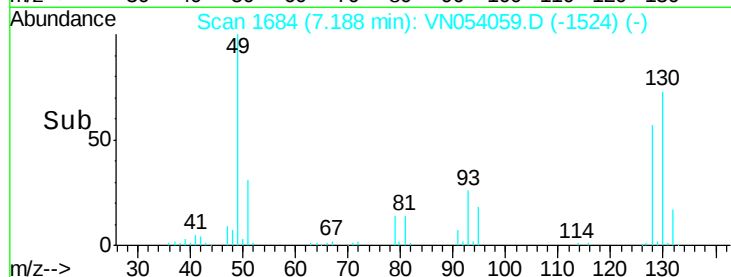


#35
Methacrylonitrile
Concen: 2.574 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tot Ion: 41 Resp: 9061
Ion Ratio Lower Upper
41 100
39 51.5 26.6 79.7
67 38.6 32.3 96.9
52 23.2 13.0 38.9

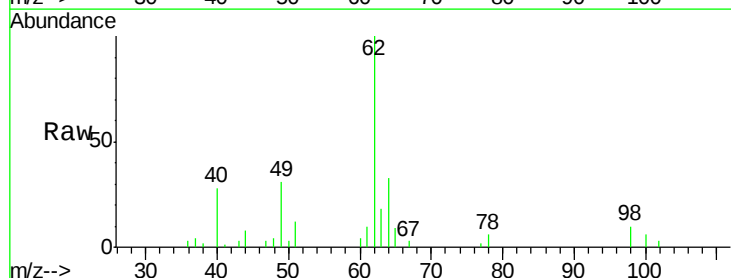


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

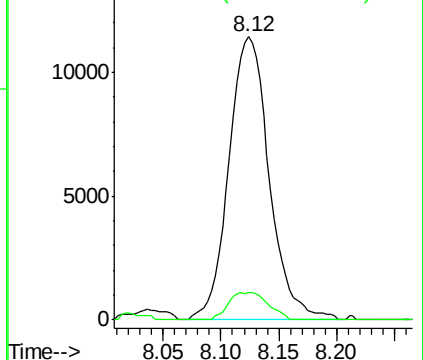
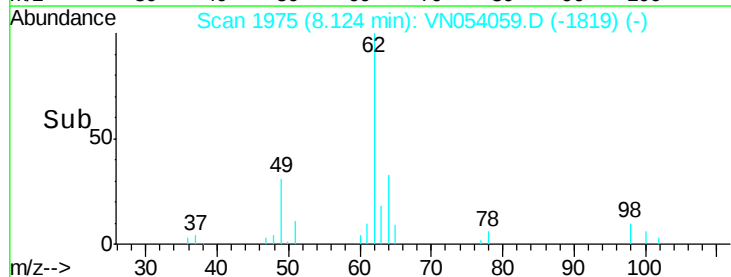


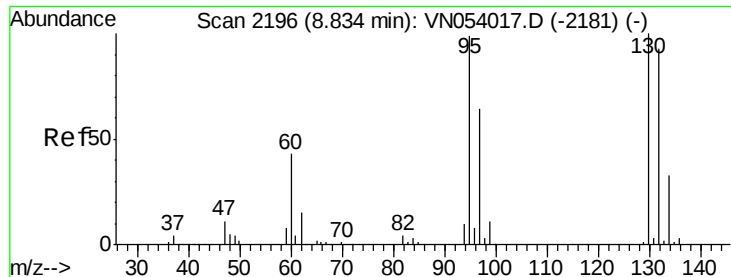
#36
1,2-Dichloroethane
Concen: 2.914 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tgt Ion: 62 Resp: 27722
Ion Ratio Lower Upper
62 100
98 4.3 7.4 11.2#



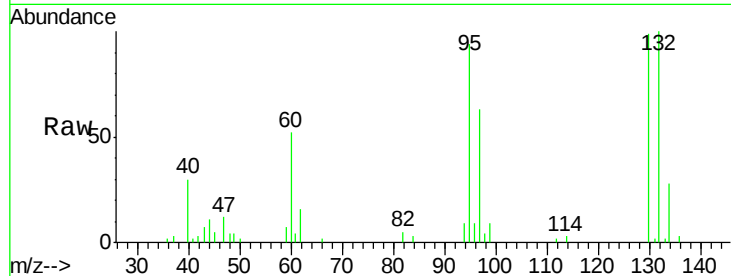
Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0



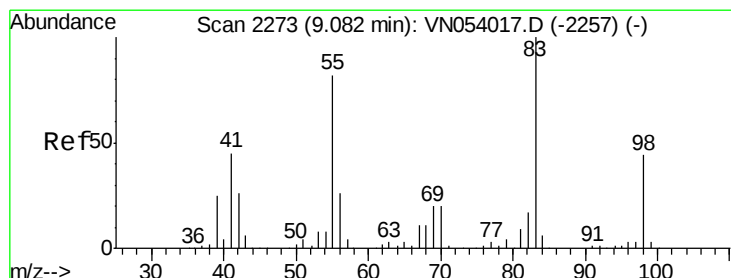
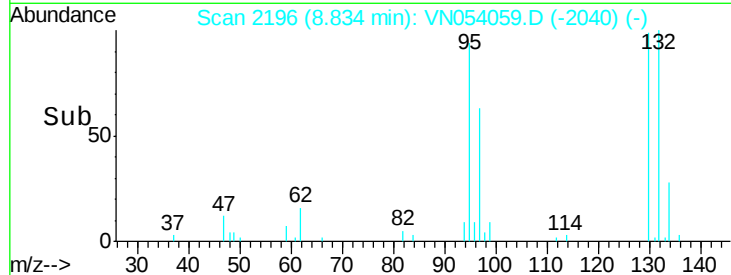
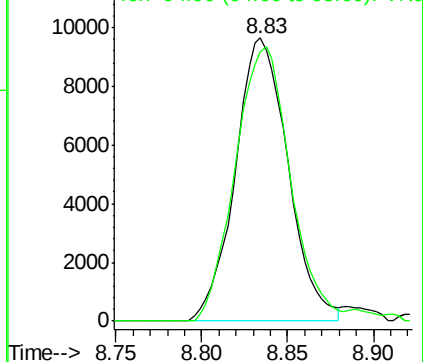


#37
 Trichloroethene
 Concen: 2.665 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

Tot Ion: 130 Resp: 20611
 Ion Ratio Lower Upper
 130 100
 95 95.1 81.0 121.4

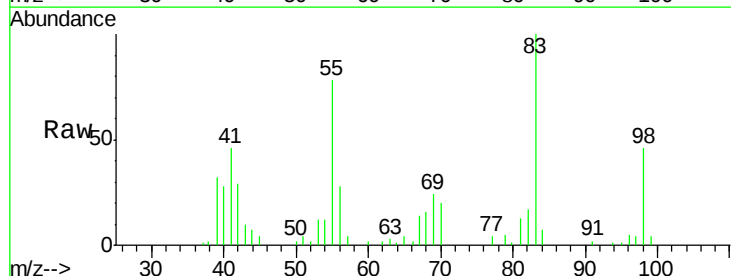


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

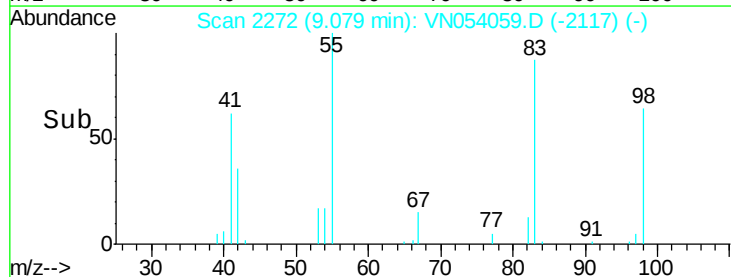
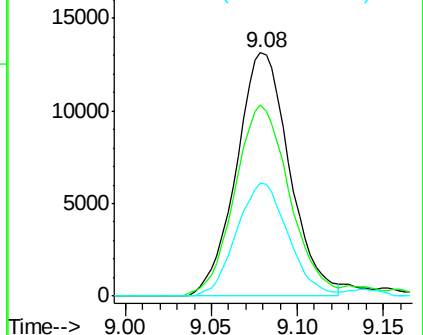


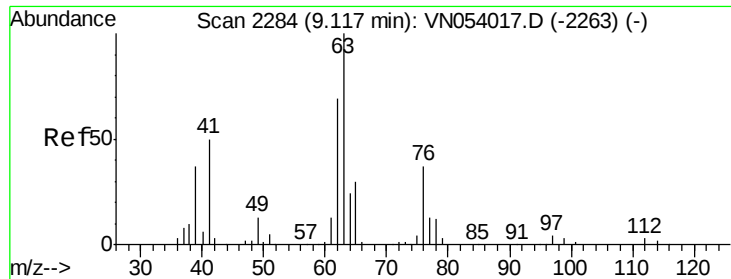
#38
 Methylcyclohexane
 Concen: 2.402 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

Tgt Ion: 83 Resp: 28261
 Ion Ratio Lower Upper
 83 100
 55 80.6 39.8 119.4
 98 45.0 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 2.439 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054059.D

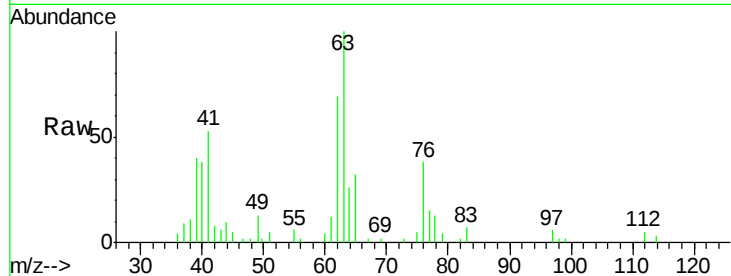
Acq: 4 Mar 2019 10:53

Tot Ion: 63 Resp: 19799

Ion Ratio Lower Upper

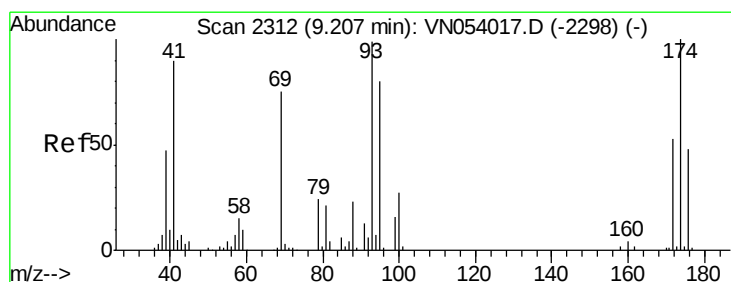
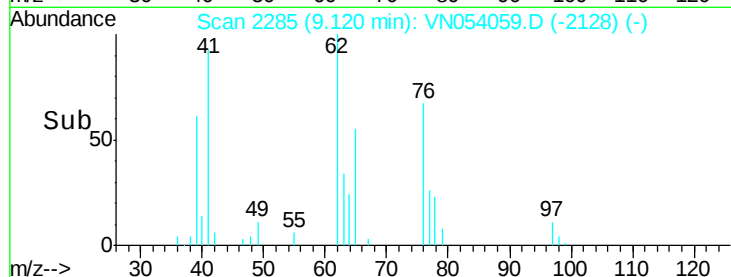
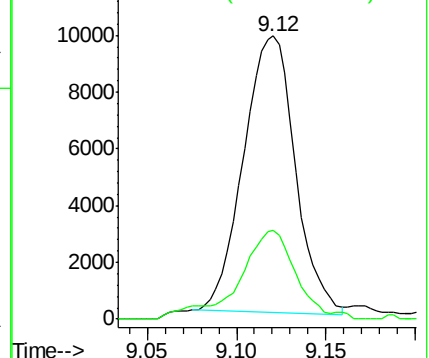
63 100

65 30.1 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 2.661 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

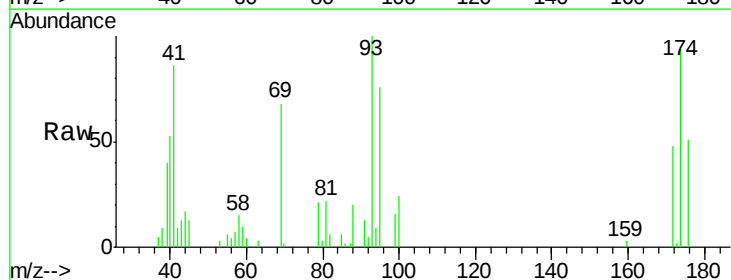
Tgt Ion: 93 Resp: 12382

Ion Ratio Lower Upper

93 100

95 85.3 0.0 168.4

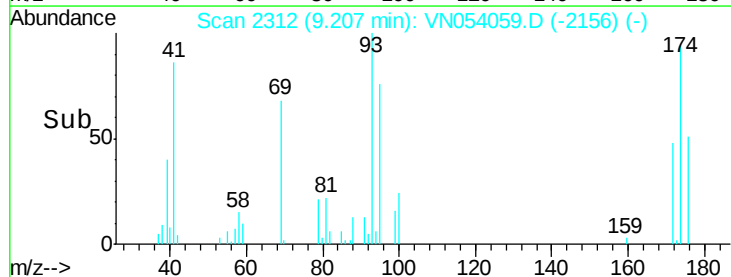
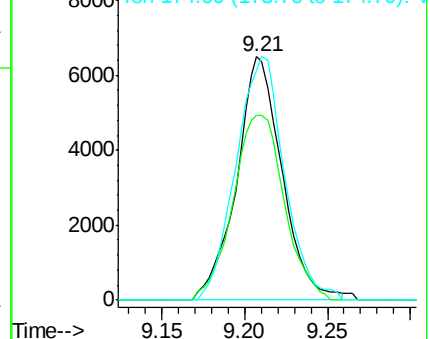
174 106.7 0.0 210.0

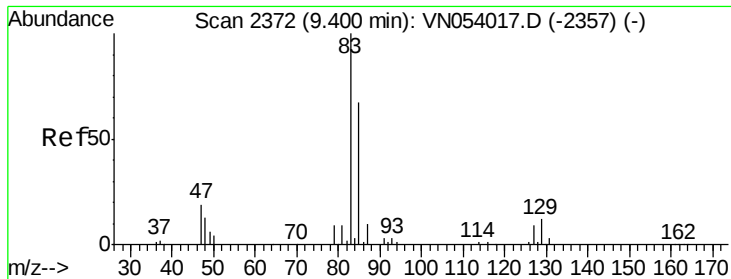


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 2.670 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

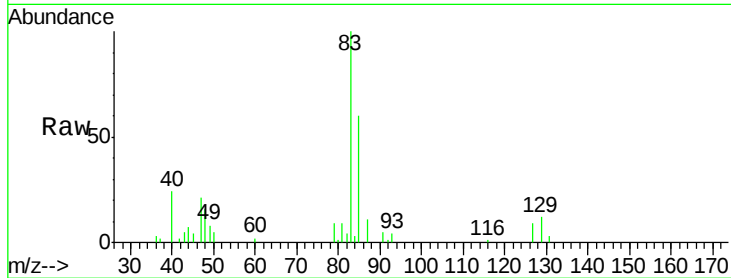
Tot Ion: 83 Resp: 26363

Ion Ratio Lower Upper

83 100

85 59.7 52.4 78.6

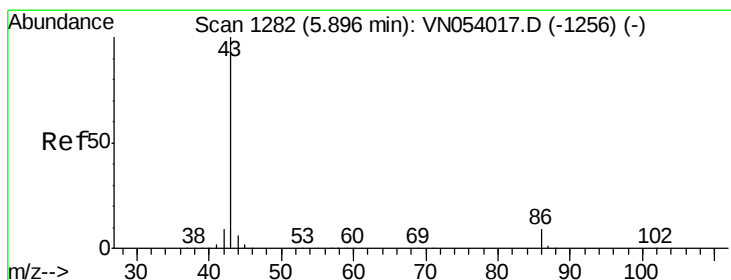
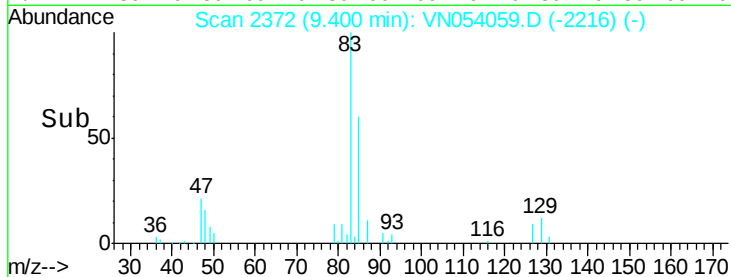
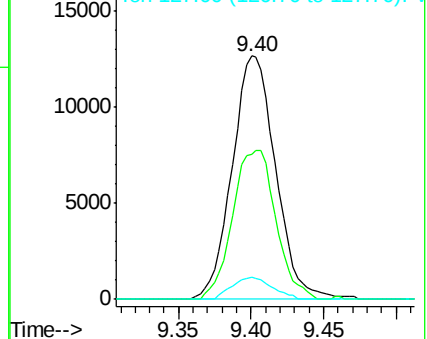
127 9.0 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 11.246 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN054059.D

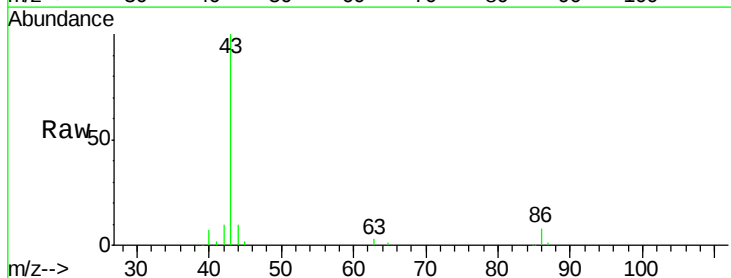
Acq: 4 Mar 2019 10:53

Tgt Ion: 43 Resp: 182886

Ion Ratio Lower Upper

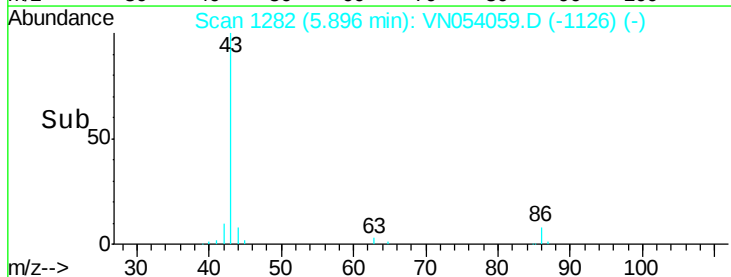
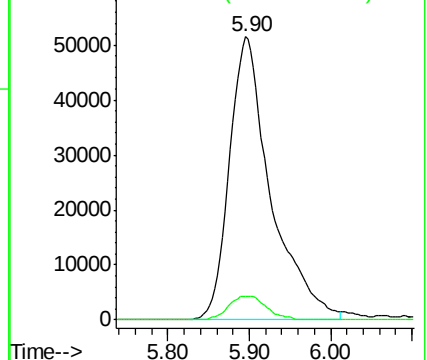
43 100

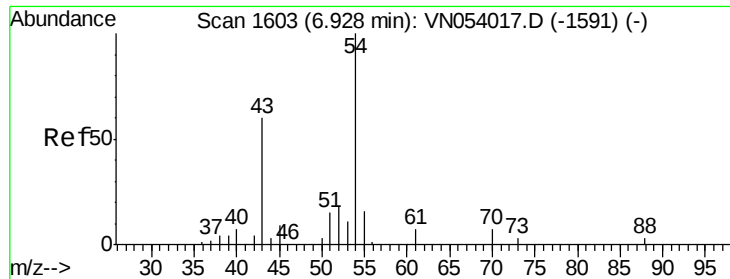
86 4.2 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 2.781 ug/l m

RT: 6.93 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VN054059.D

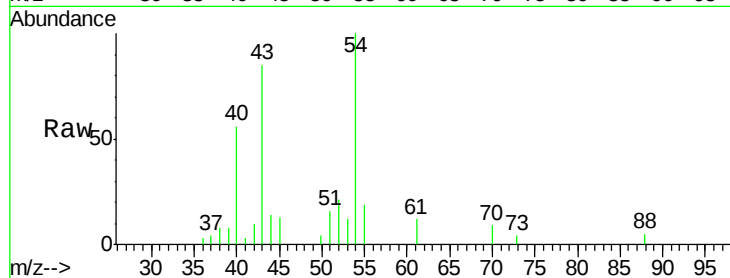
Acq: 4 Mar 2019 10:53

Tot Ion: 43 Resp: 18334

Ion Ratio Lower Upper

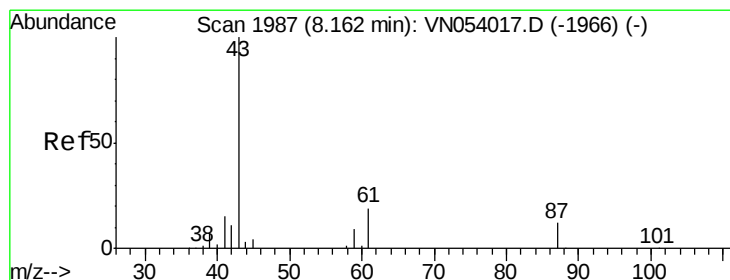
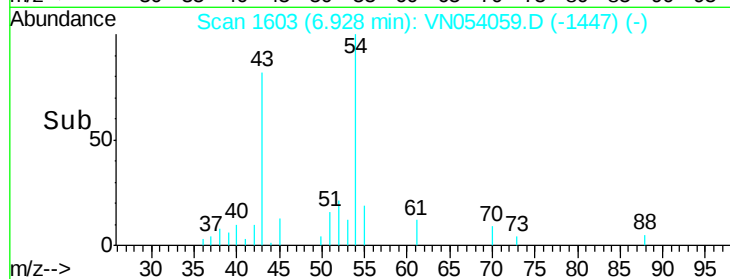
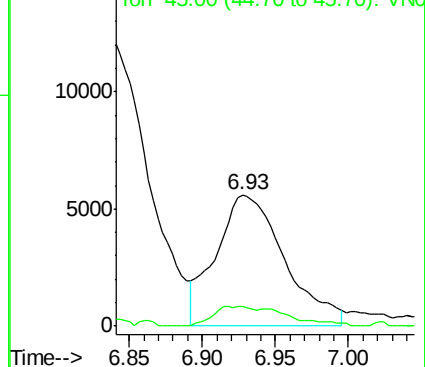
43 100

45 4.8 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 2.524 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN054059.D

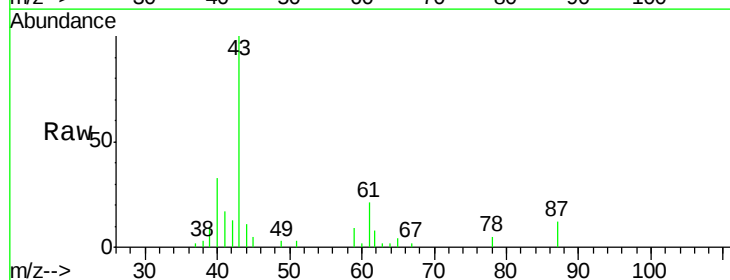
Acq: 4 Mar 2019 10:53

Tgt Ion: 43 Resp: 29206

Ion Ratio Lower Upper

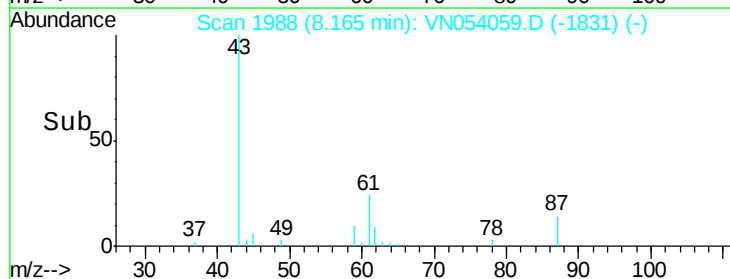
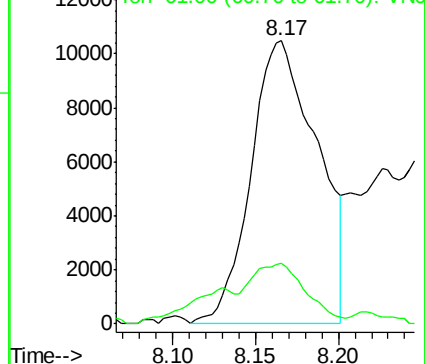
43 100

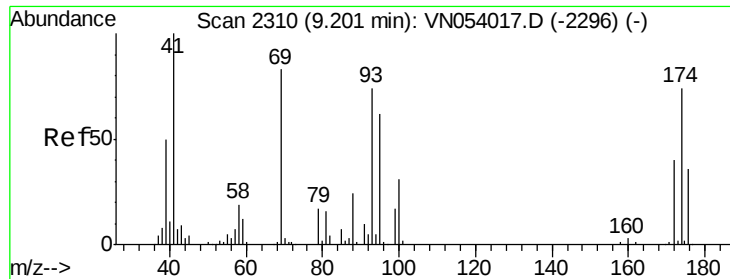
61 17.2 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 49.575 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

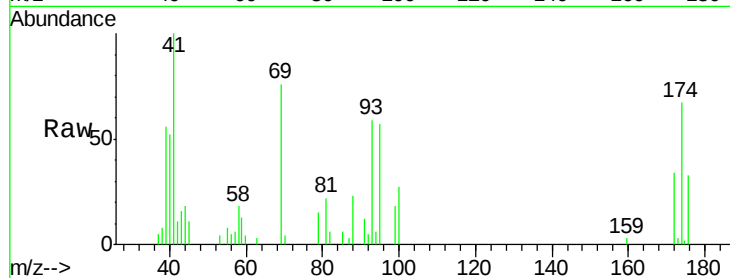
Tot Ion: 88 Resp: 3138

Ion Ratio Lower Upper

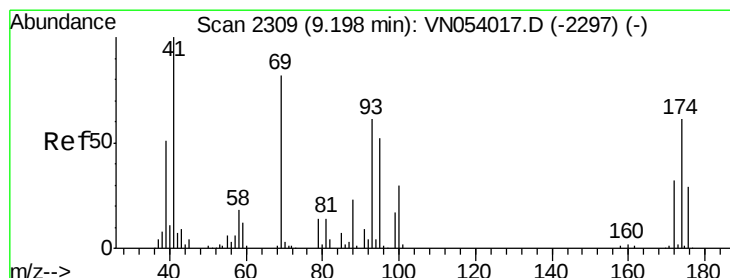
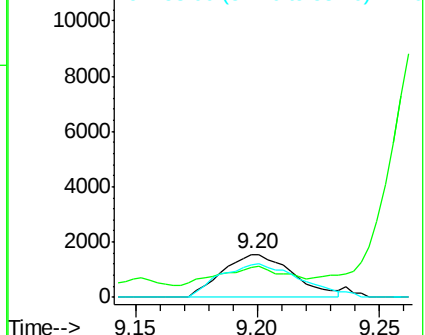
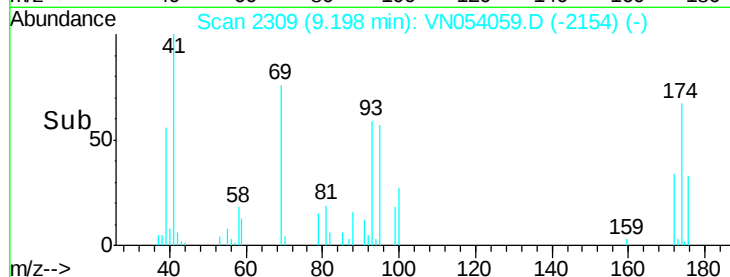
88 100

43 30.9 29.5 44.3

58 88.1 61.5 92.3



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



#46

Methyl methacrylate

Concen: 2.103 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

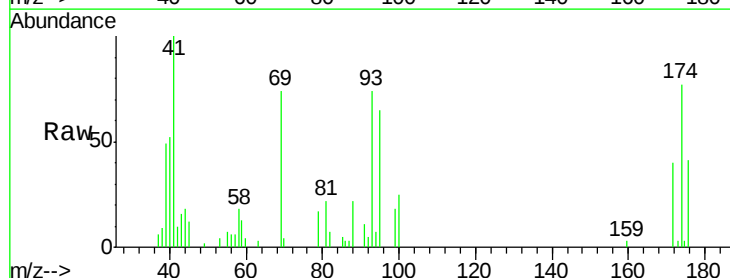
Tgt Ion: 41 Resp: 11689

Ion Ratio Lower Upper

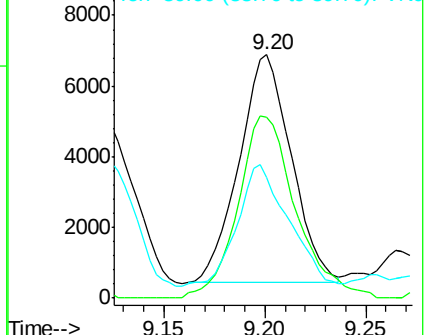
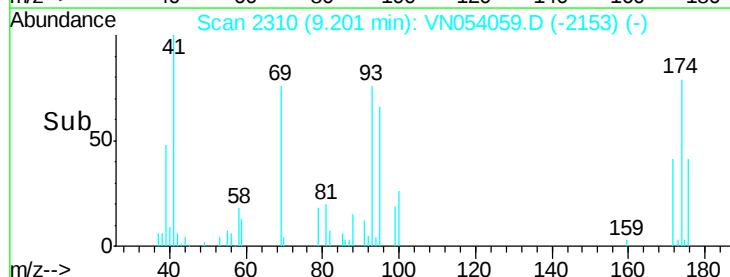
41 100

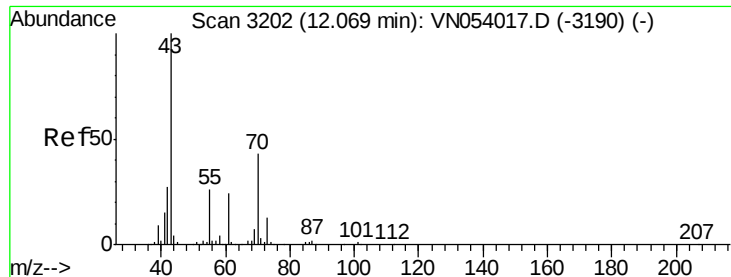
69 76.9 42.5 127.6

39 46.6 26.3 78.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 1.769 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054059.D

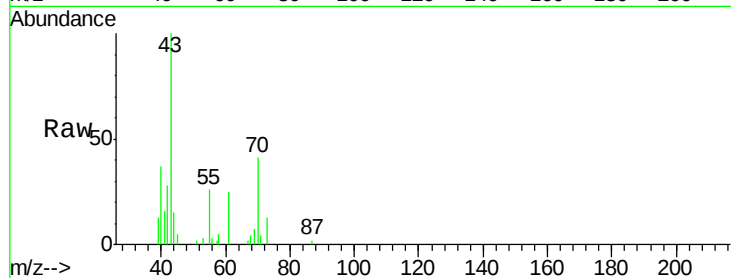
Acq: 4 Mar 2019 10:53

Tot Ion: 43 Resp: 15034

Ion Ratio Lower Upper

43 100

55 26.8 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

8000

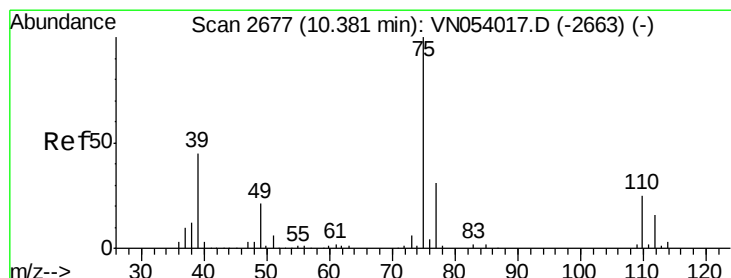
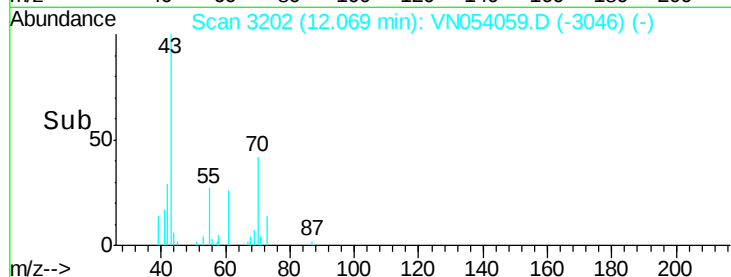
6000

4000

2000

0

Time--> 12.00 12.05 12.10



#48

t-1,3-Dichloropropene

Concen: 2.262 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054059.D

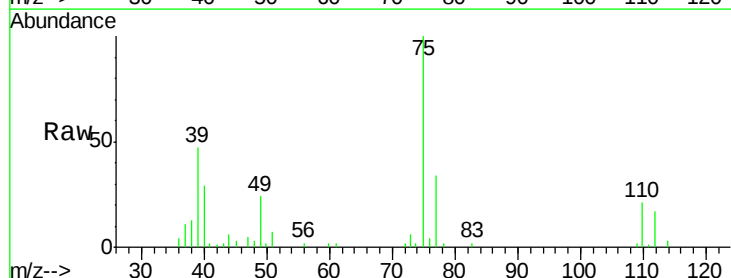
Acq: 4 Mar 2019 10:53

Tgt Ion: 75 Resp: 22396

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

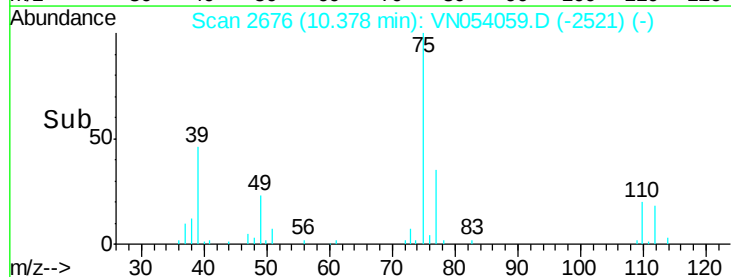
10.38

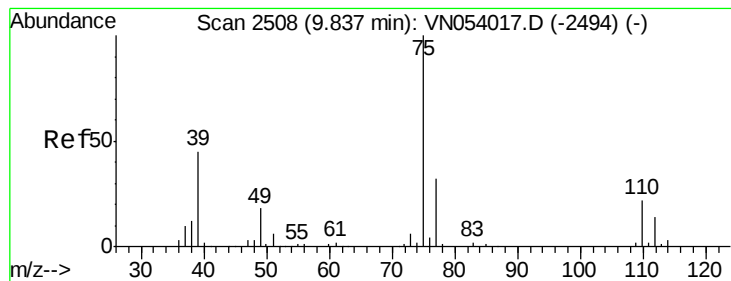
10000

5000

0

Time--> 10.35 10.40 10.45





#49

cis-1,3-Dichloropropene

Concen: 2.333 ug/l

RT: 9.84 min Scan# 2508

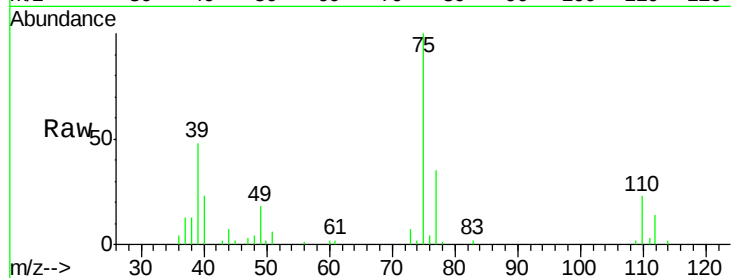
Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

Tot Ion: 75 Resp: 27117

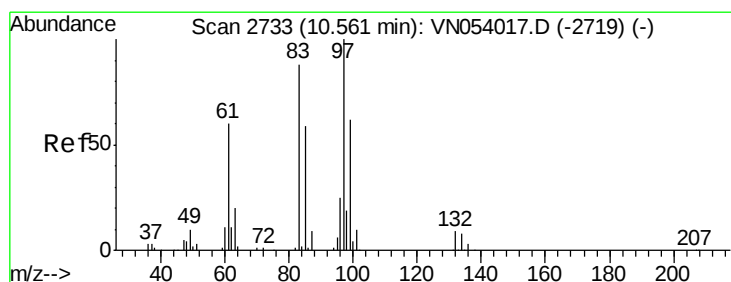
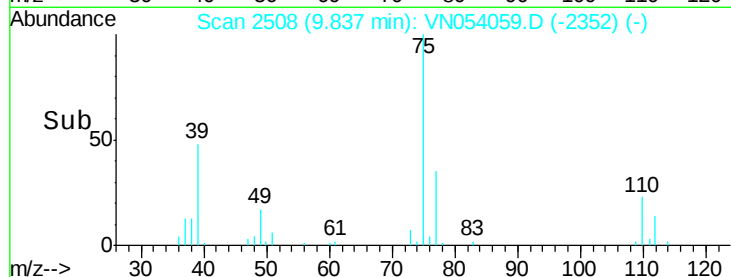
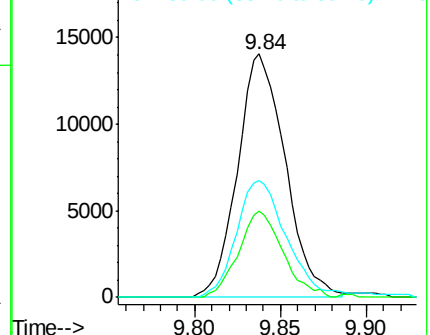
Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.4	38.0
39	47.8	37.3	55.9



Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 2.669 ug/l

RT: 10.56 min Scan# 2733

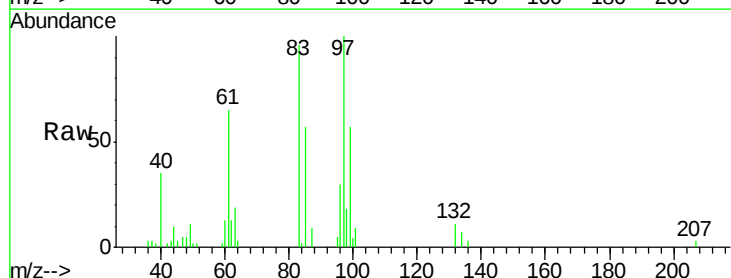
Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

Tgt Ion: 97 Resp: 17421

Ion	Ratio	Lower	Upper
97	100		
83	95.5	70.4	105.6
85	56.7	45.0	67.6
99	57.4	50.2	75.2

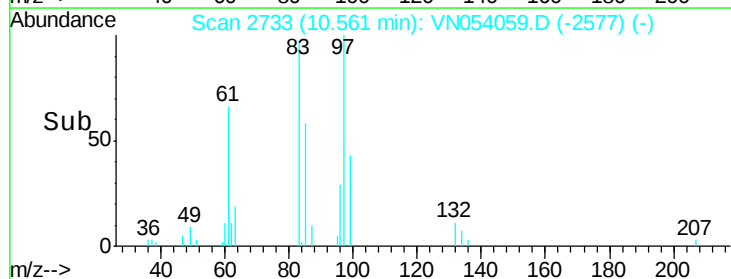
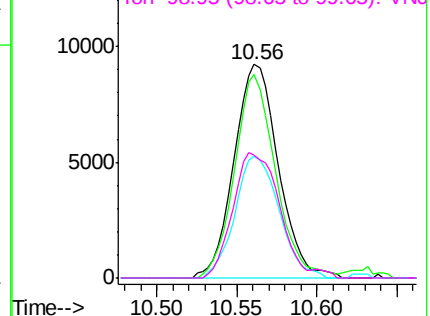


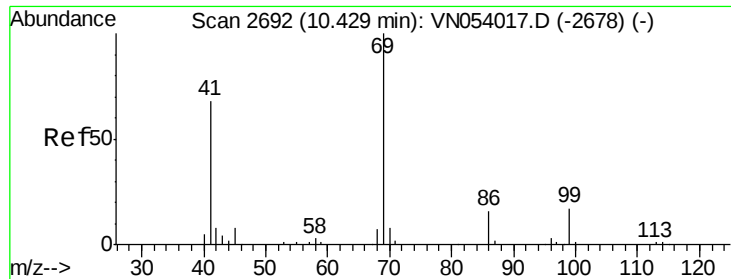
Abundance Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

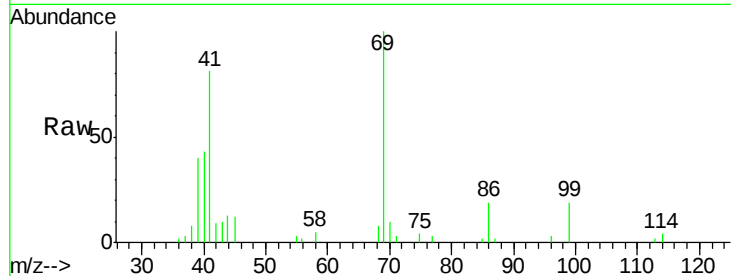
Ion 98.95 (98.65 to 99.65): VNO



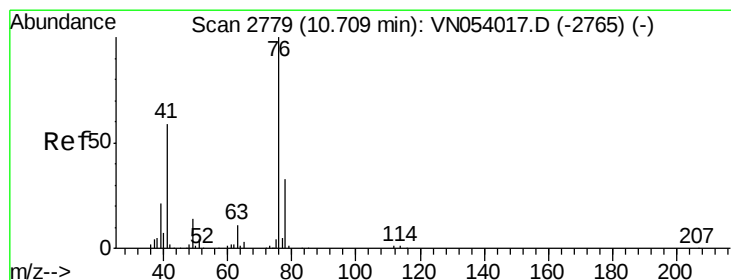
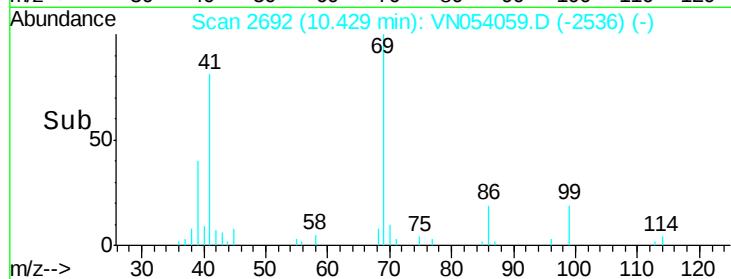
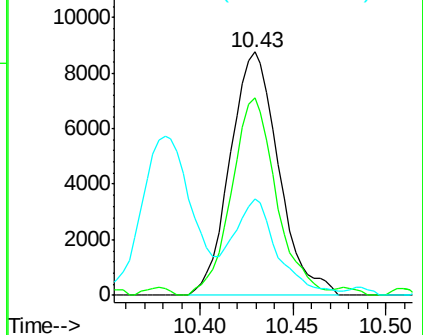


#51
Ethyl methacrylate
Concen: 2.029 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tot Ion: 69 Resp: 15942
Ion Ratio Lower Upper
69 100
41 81.0 34.4 103.3
39 37.8 16.4 49.2

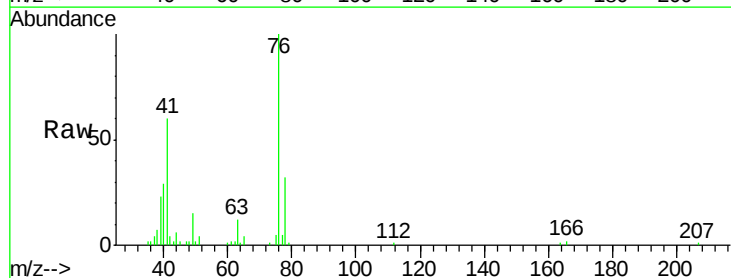


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

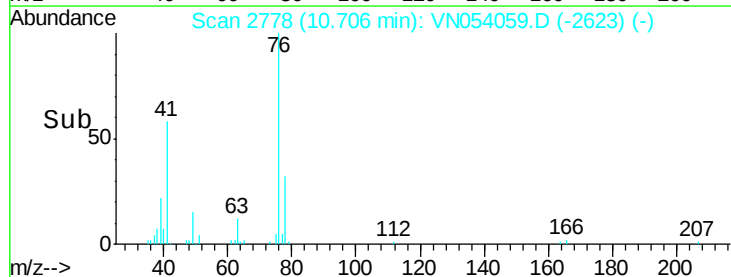
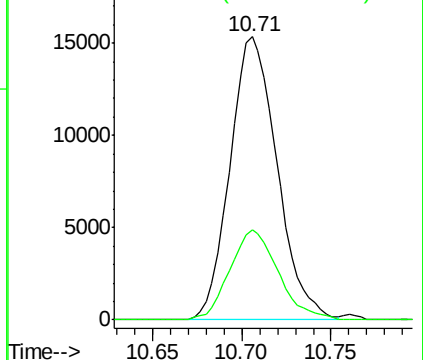


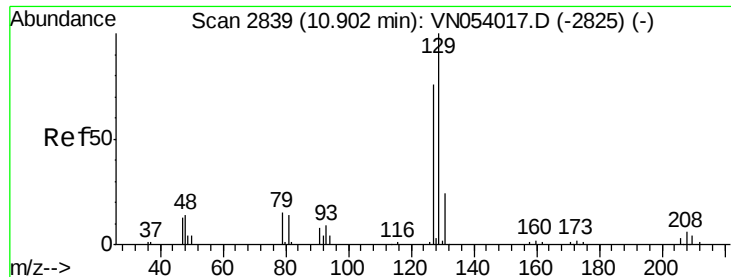
#52
1,3-Dichloropropane
Concen: 2.529 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tgt Ion: 76 Resp: 28327
Ion Ratio Lower Upper
76 100
78 32.6 0.0 64.8



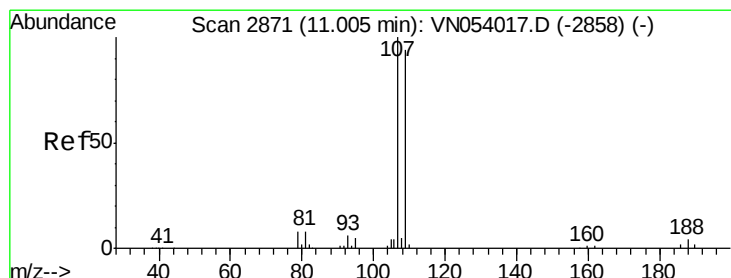
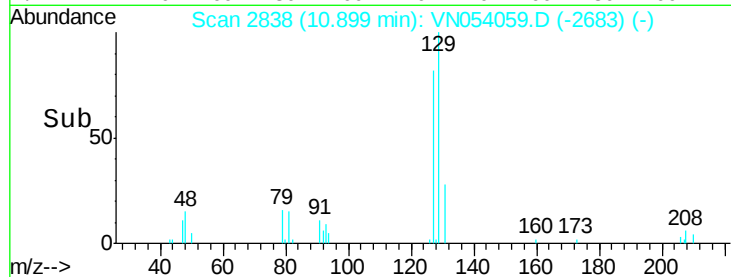
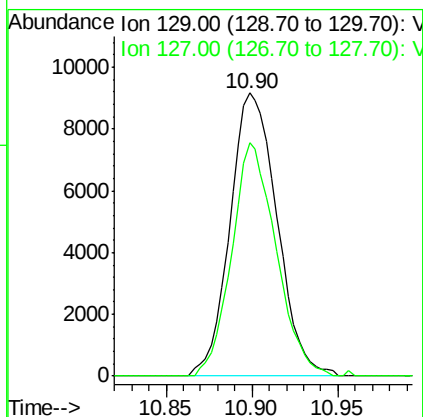
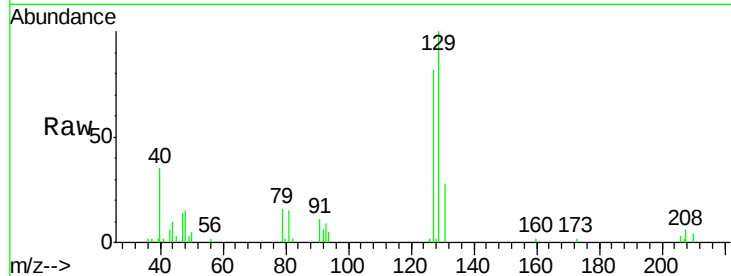
Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





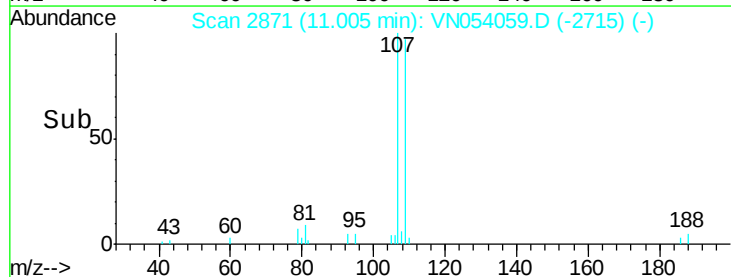
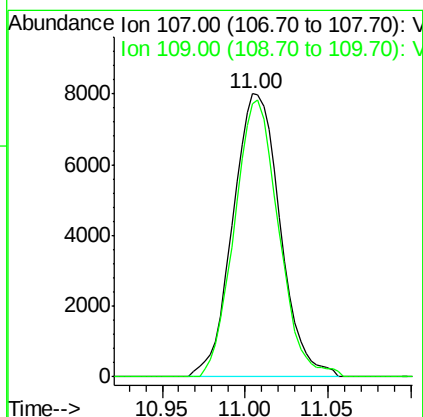
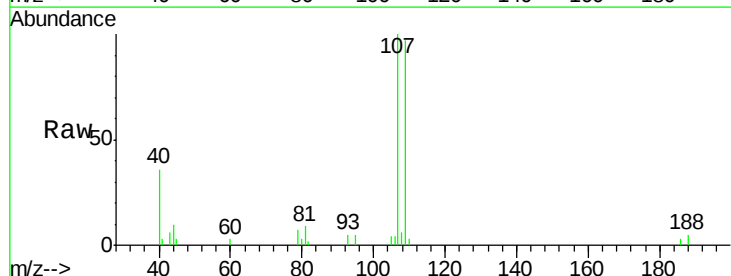
#53
 Dibromochloromethane
 Concen: 2.433 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

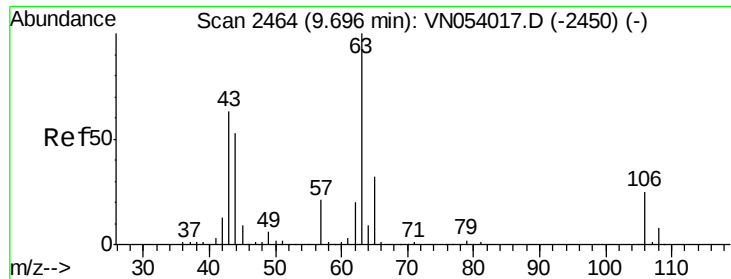
Tot Ion:129 Resp: 17447
 Ion Ratio Lower Upper
 129 100
 127 77.9 37.6 112.8



#54
 1,2-Dibromoethane
 Concen: 2.554 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

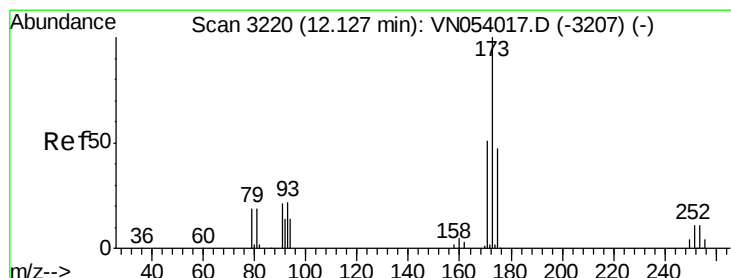
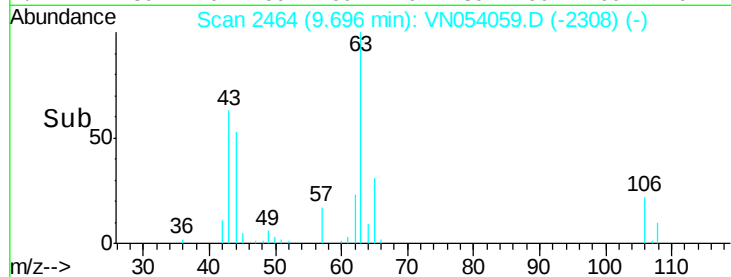
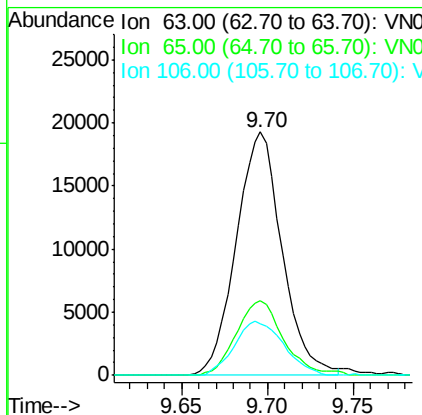
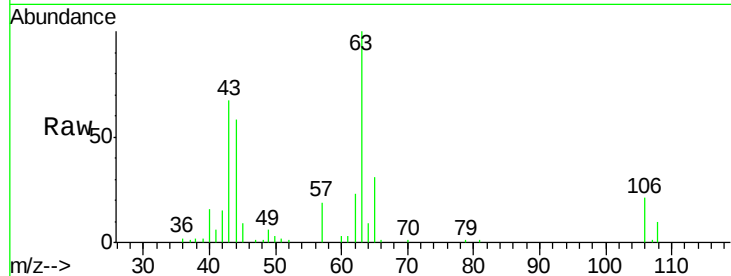
Tgt Ion:107 Resp: 15879
 Ion Ratio Lower Upper
 107 100
 109 91.8 77.1 115.7





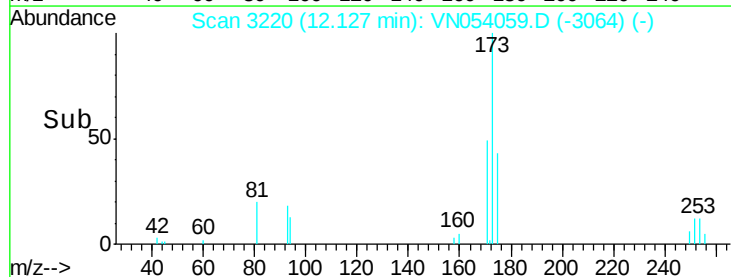
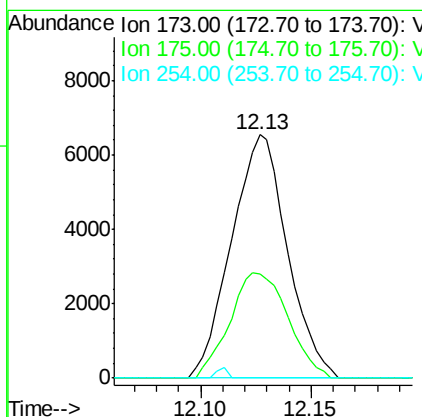
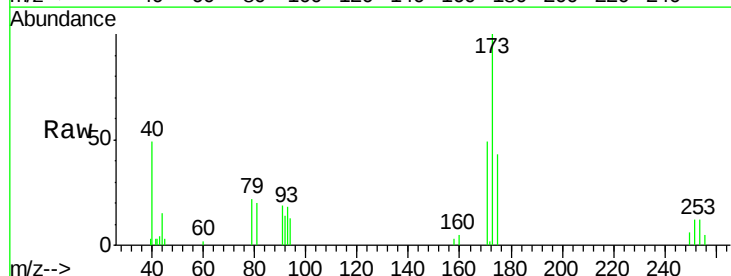
#55
 2-Chloroethyl vinyl ether
 Concen: 9.788 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

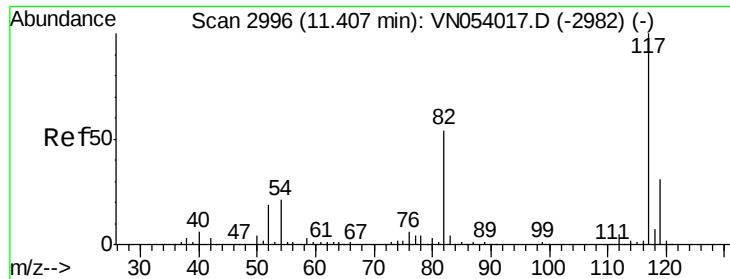
Tot Ion: 63 Resp: 35690
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.4 38.2
 106 23.9 20.4 30.6



#56
 Bromoform
 Concen: 2.416 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

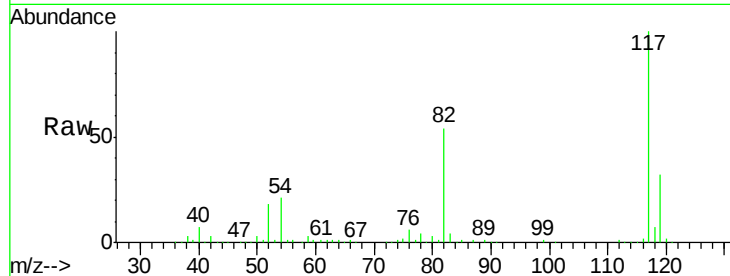
Tgt Ion: 173 Resp: 11507
 Ion Ratio Lower Upper
 173 100
 175 44.9 38.7 58.1
 254 0.7 8.4 12.6#



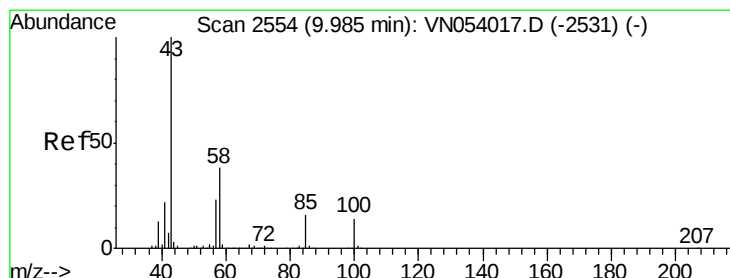
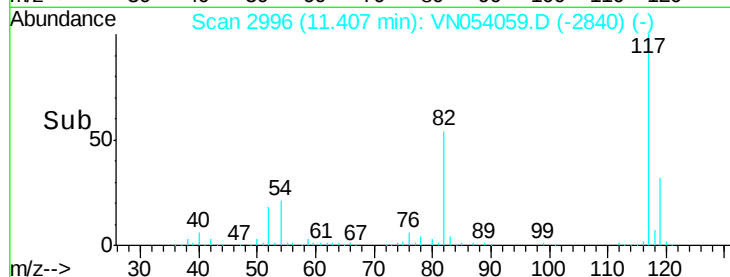
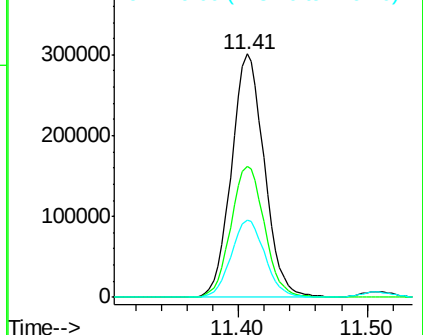


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tot Ion:117 Resp: 532081
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.5 25.4 38.2

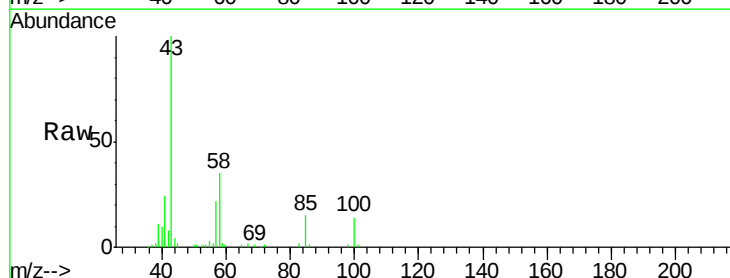


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

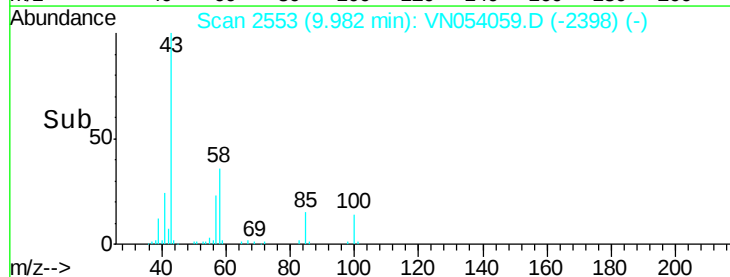
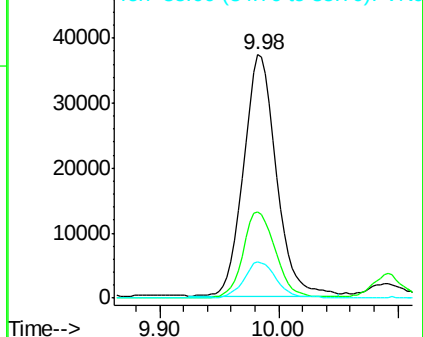


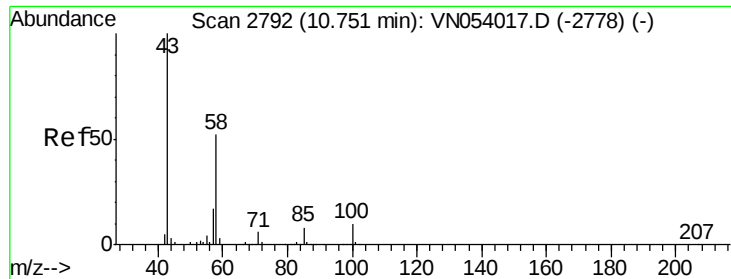
#58
4-Methyl-2-Pentanone
Concen: 11.774 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tgt Ion: 43 Resp: 70592
Ion Ratio Lower Upper
43 100
58 35.5 31.6 47.4
85 14.6 13.3 19.9



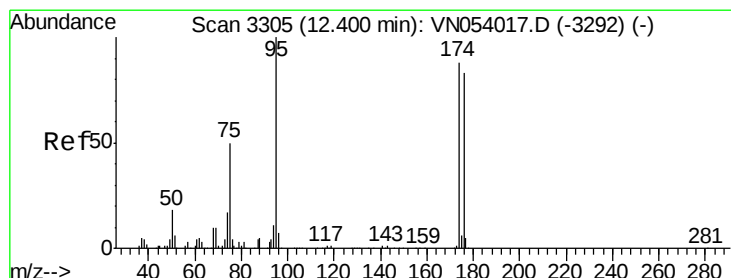
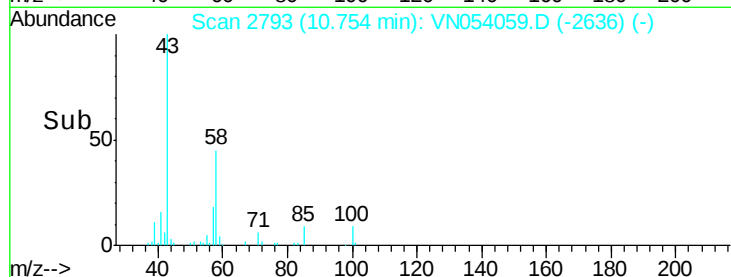
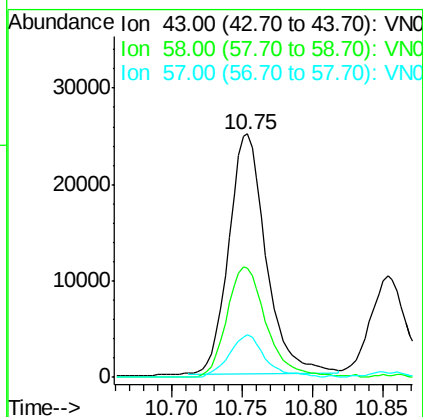
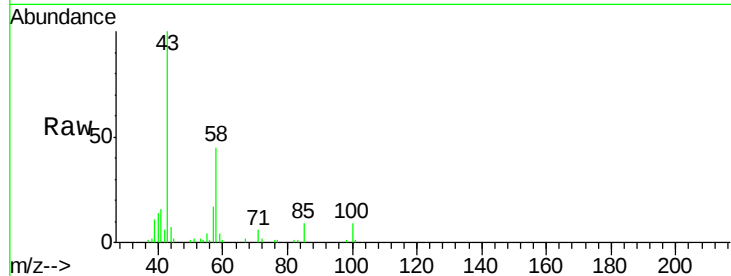
Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





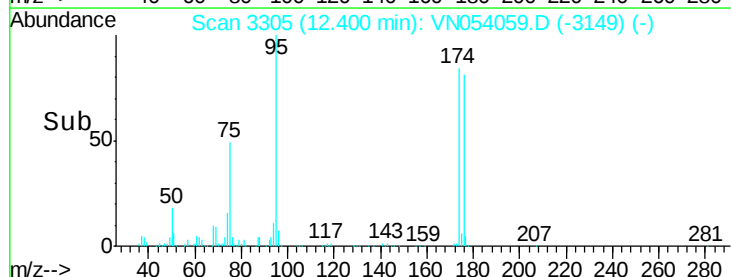
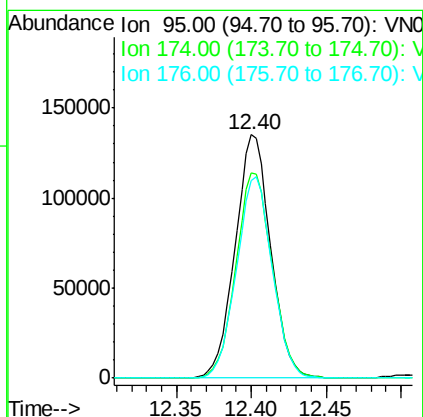
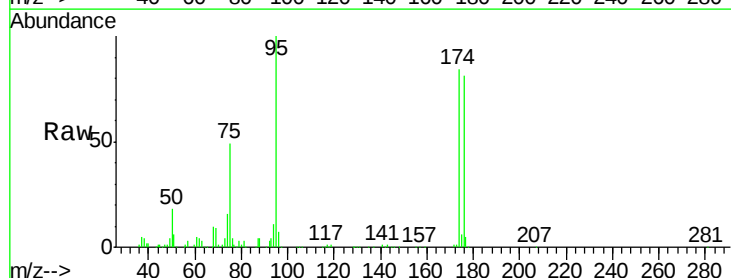
#59
2-Hexanone
Concen: 11.833 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

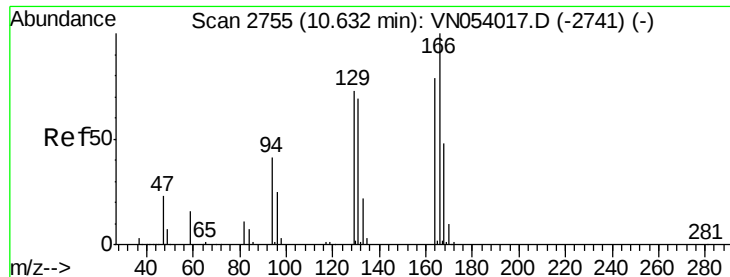
Tot Ion	43	Resp	46351
Ion Ratio	Lower	Upper	
43	100		
58	48.3	43.2	64.8
57	17.1	14.9	22.3



#60
4-Bromofluorobenzene
Concen: 11.833 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tgt Ion	95	Resp	223520
Ion Ratio	Lower	Upper	
95	100		
174	86.2	67.9	101.9
176	83.1	66.4	99.6





#61

Tetrachloroethene

Concen: 2.776 ug/l

RT: 10.63 min Scan# 2755

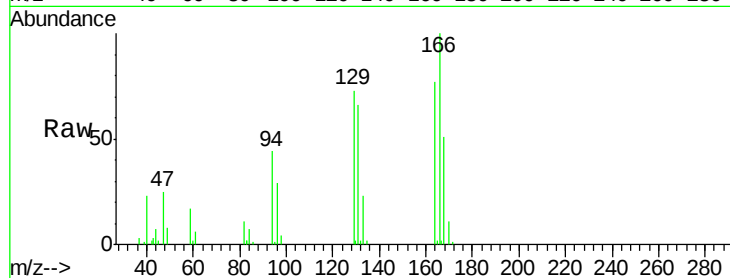
Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

Tot Ion:164 Resp: 20537

Ion	Ratio	Lower	Upper
164	100		
166	128.3	104.6	157.0
129	93.7	75.3	112.9
131	86.6	74.3	111.5

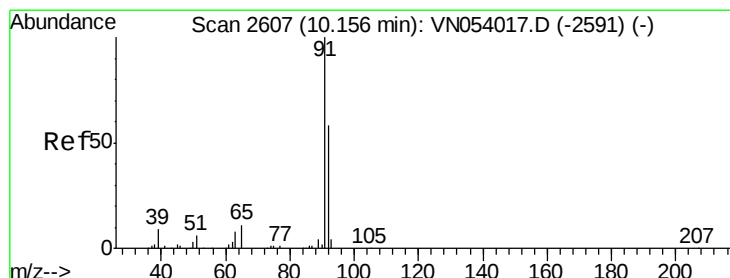
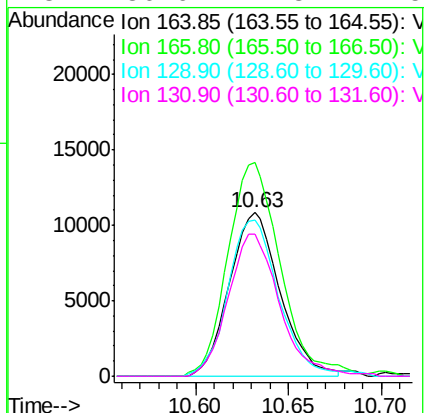
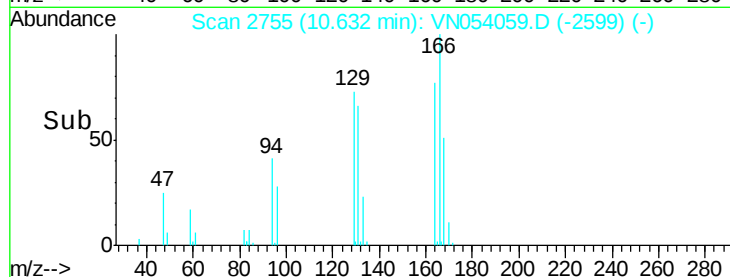


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.769 ug/l

RT: 10.16 min Scan# 2607

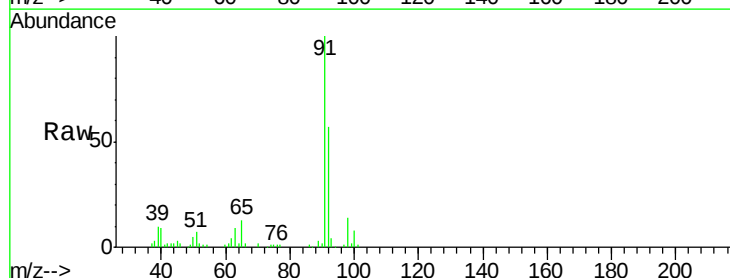
Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

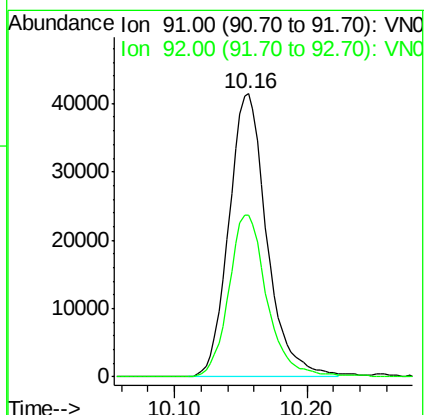
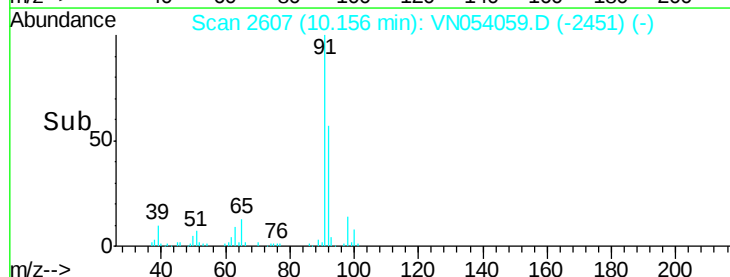
Tgt Ion: 91 Resp: 82342

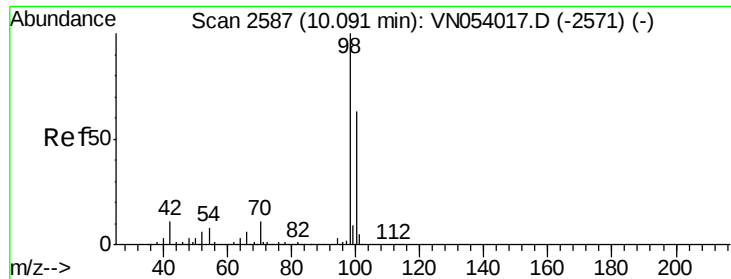
Ion	Ratio	Lower	Upper
91	100		
92	57.3	45.4	68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 2.769 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054059.D

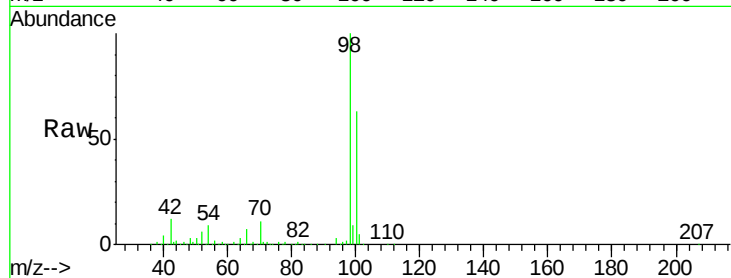
Acq: 4 Mar 2019 10:53

Tot Ion: 98 Resp: 781689

Ion Ratio Lower Upper

98 100

100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054017.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN054017.D (-2571) (-)

10.09

400000

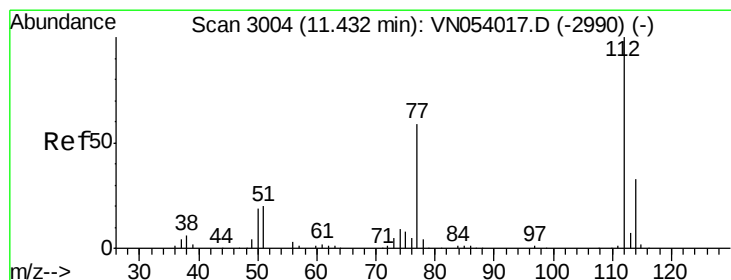
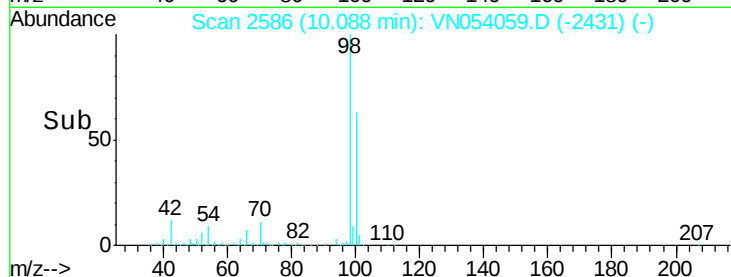
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 2.690 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054059.D

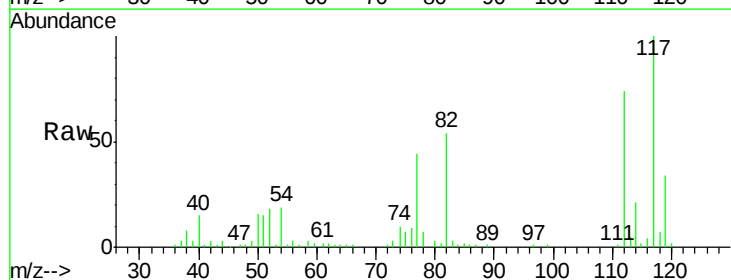
Acq: 4 Mar 2019 10:53

Tgt Ion: 112 Resp: 48715

Ion Ratio Lower Upper

112 100

114 29.2 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN054017.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN054017.D (-2990) (-)

11.43

30000

25000

20000

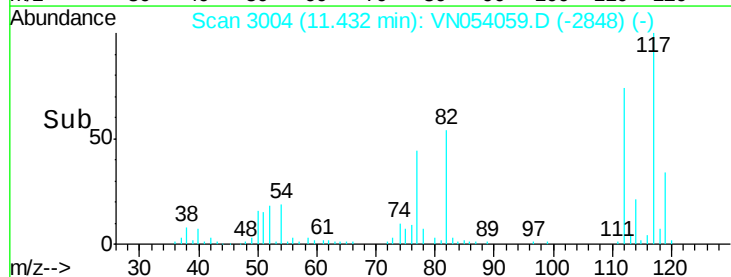
15000

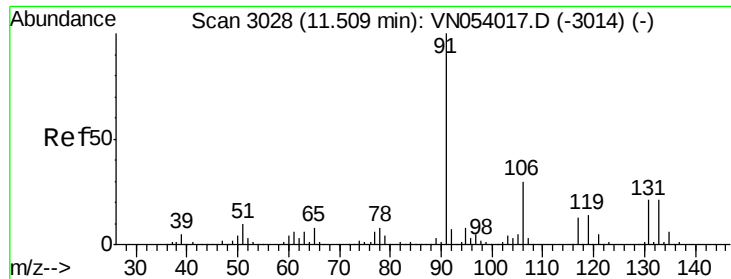
10000

5000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 2.722 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

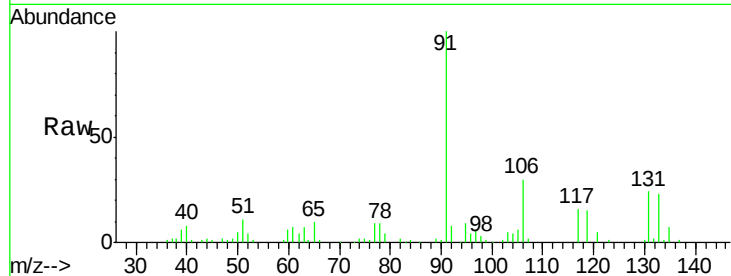
Tot Ion:131 Resp: 18100

Ion Ratio Lower Upper

131 100

133 97.0 0.0 193.4

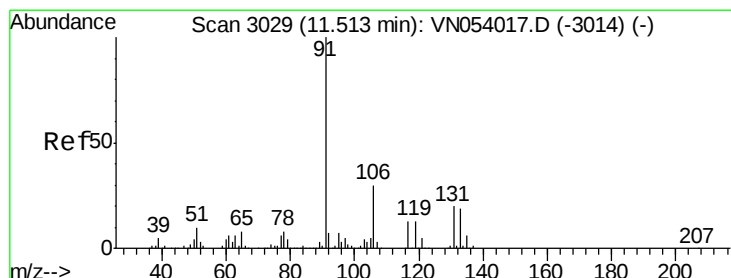
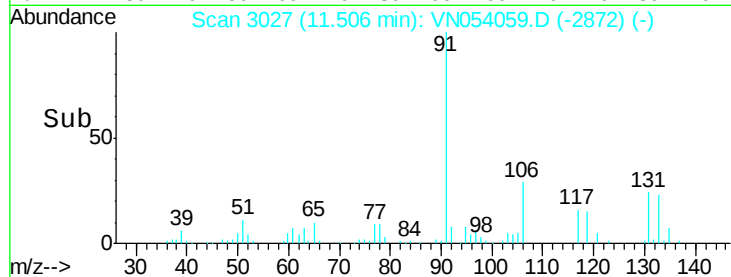
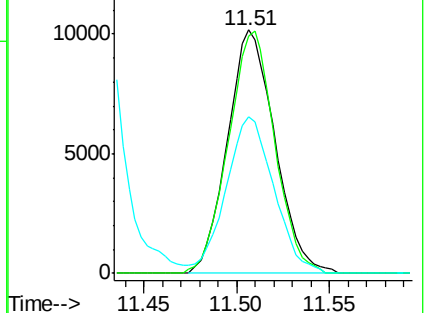
119 64.7 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.493 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054059.D

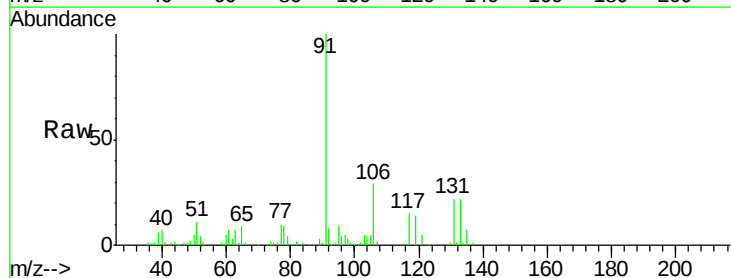
Acq: 4 Mar 2019 10:53

Tgt Ion: 91 Resp: 77481

Ion Ratio Lower Upper

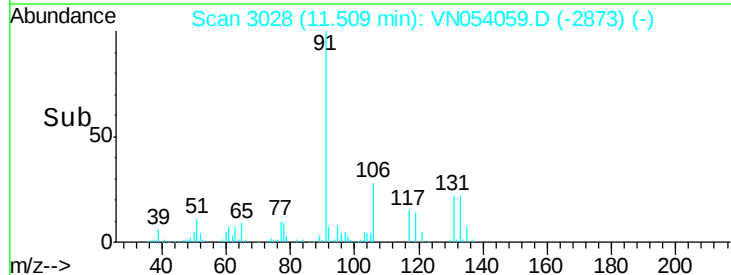
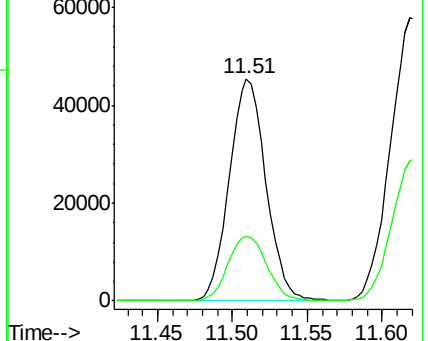
91 100

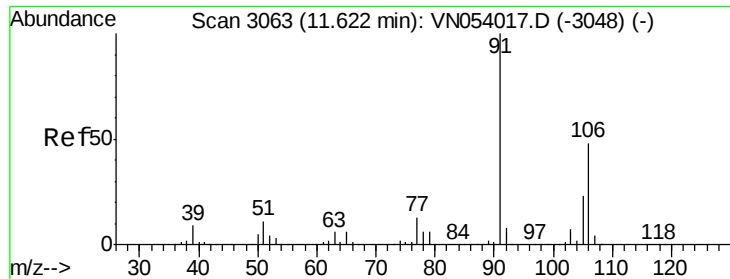
106 29.2 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

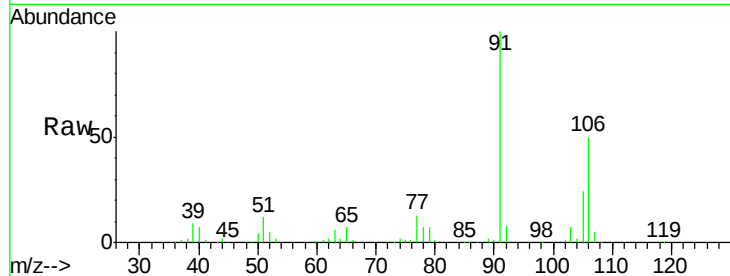
Ion 106.00 (105.70 to 106.70): V



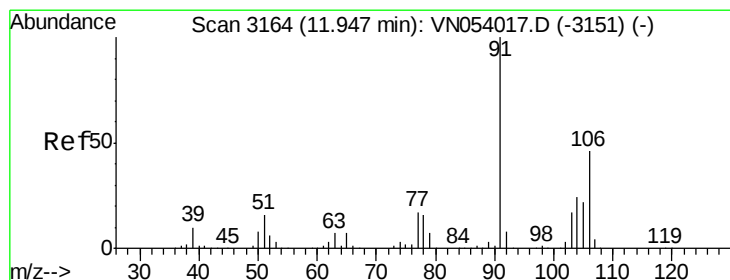
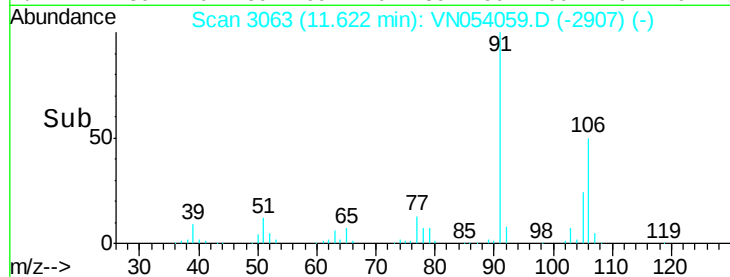
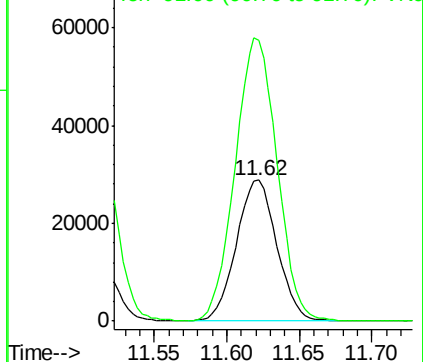


#67
m/p-Xylenes
Concen: 4.787 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tot Ion:106 Resp: 56025
Ion Ratio Lower Upper
106 100
91 207.3 163.9 245.9

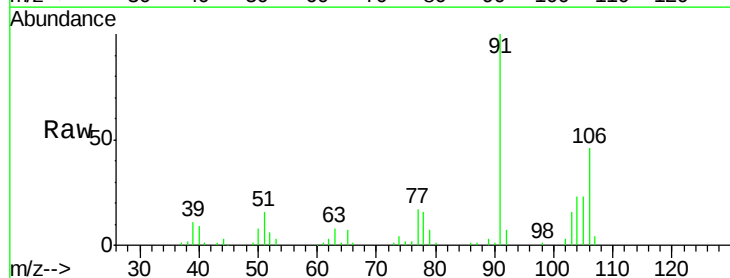


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

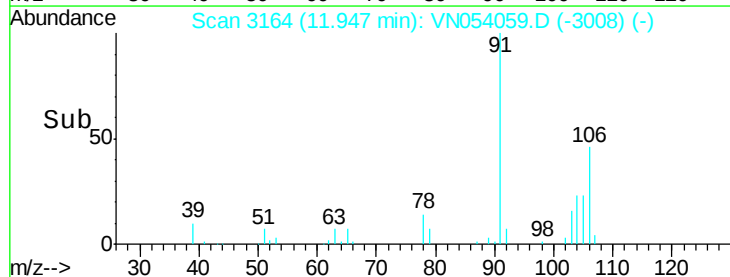
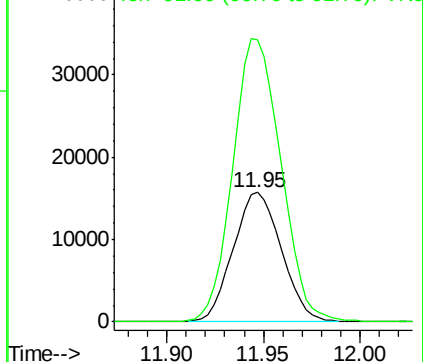


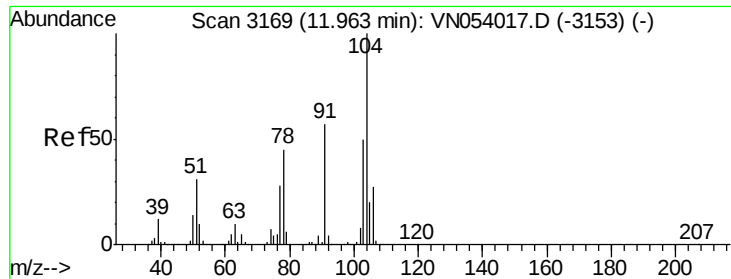
#68
o-Xylene
Concen: 2.417 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tgt Ion:106 Resp: 27415
Ion Ratio Lower Upper
106 100
91 217.1 107.8 323.4



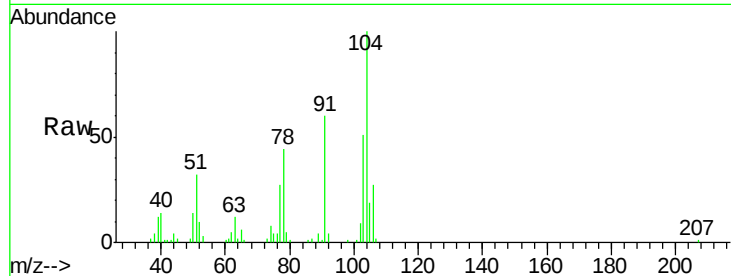
Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0



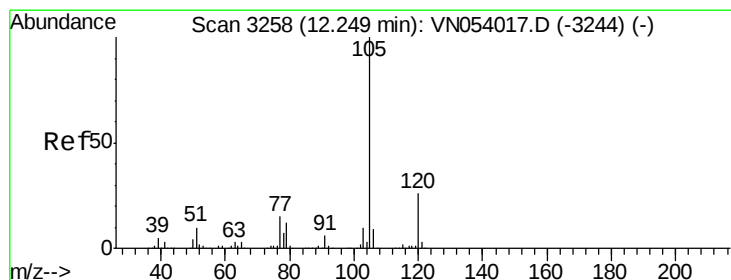
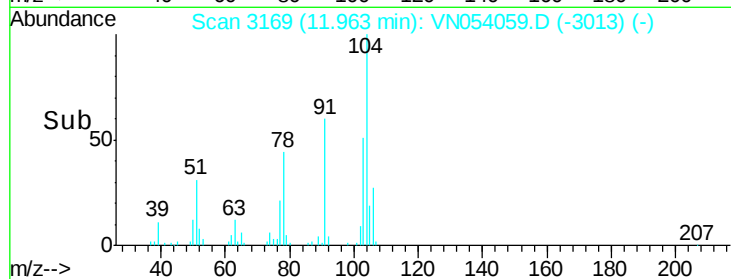
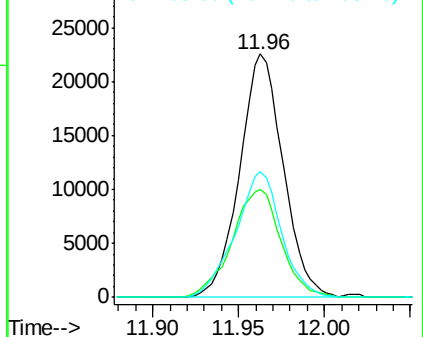


#69
Stvrene
Concen: 2.206 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tot Ion:104 Resp: 39631
Ion Ratio Lower Upper
104 100
78 49.9 39.3 58.9
103 54.6 44.6 66.8

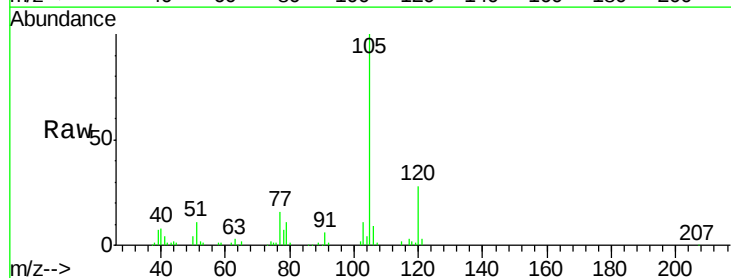


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

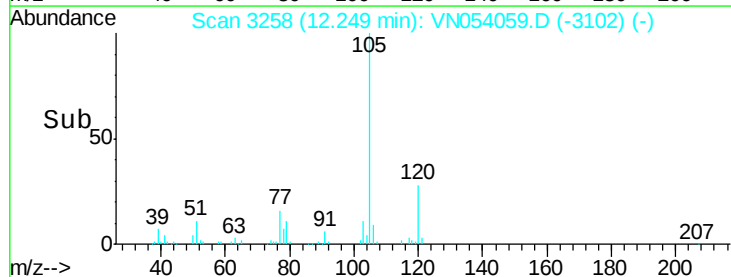
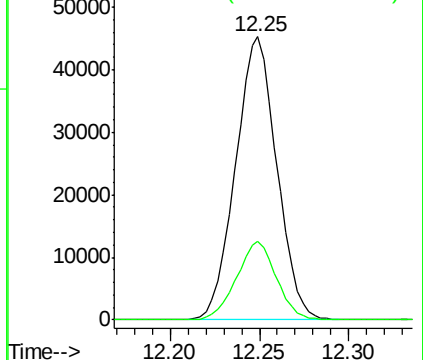


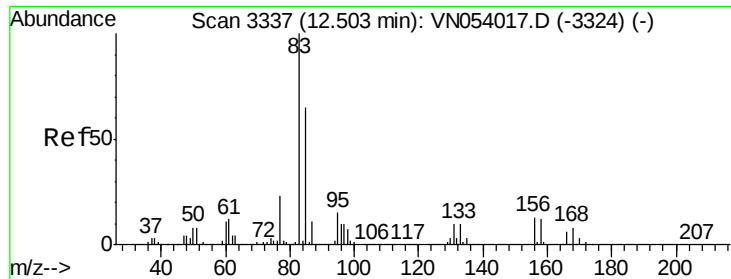
#70
Isopropylbenzene
Concen: 2.450 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tgt Ion:105 Resp: 72957
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.6



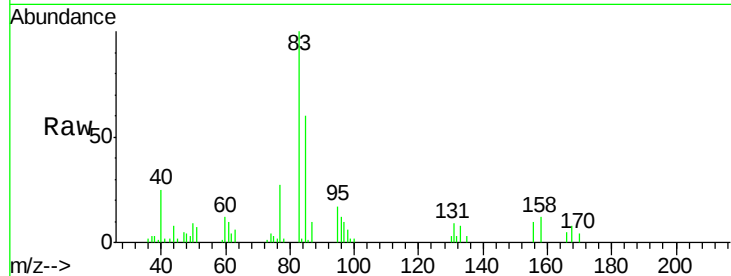
Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



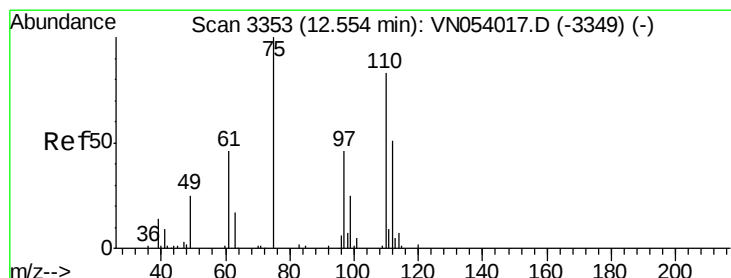
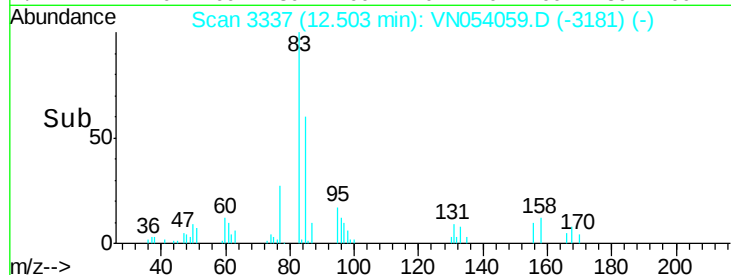
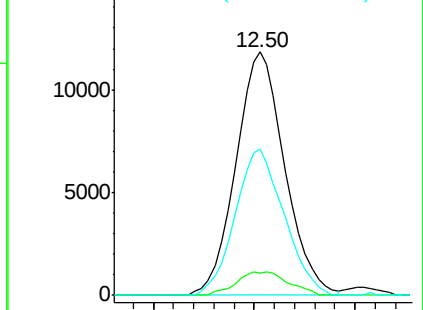


#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.723 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

Tot Ion	83	Resp	20008
Ion Ratio	100	Lower	Upper
83	100		
131	5.3	4.9	14.6
85	60.3	32.2	96.6

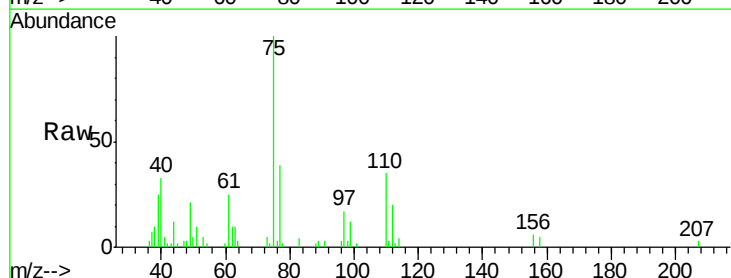


Abundance Ion 83.00 (82.70 to 83.70): VN054017.D (-3324) (-)

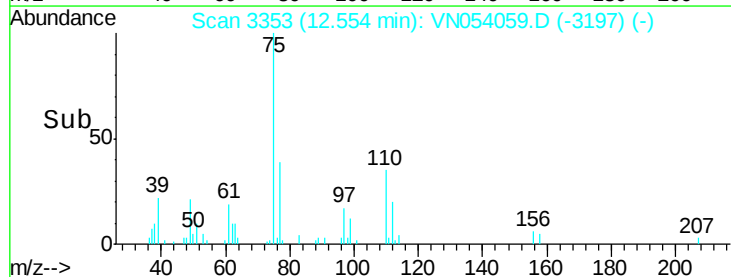
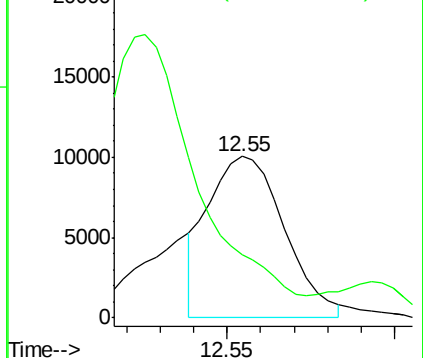


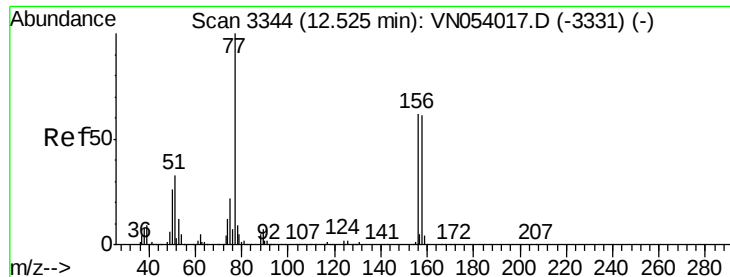
#72
 1,2,3-Trichloropropane
 Concen: 2.864 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

Tgt Ion	75	Resp	15982
Ion Ratio	100	Lower	Upper
75	100		
77	228.8	0.0	514.8



Abundance Ion 75.00 (74.70 to 75.70): VN054017.D (-3349) (-)





#73

Bromobenzene

Concen: 2.505 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

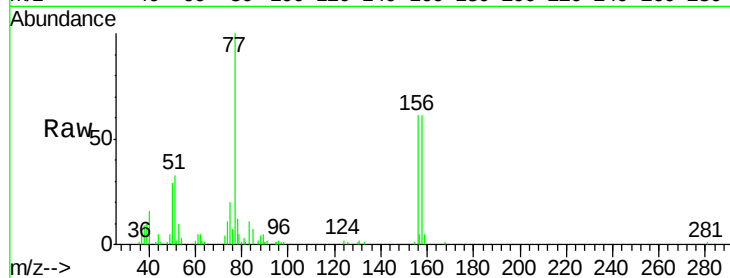
Tot Ion:156 Resp: 18805

Ion Ratio Lower Upper

156 100

77 194.4 0.0 382.6

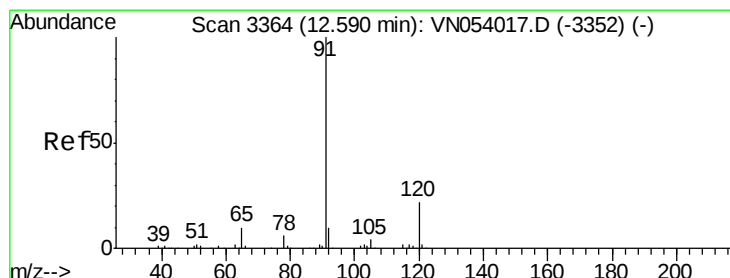
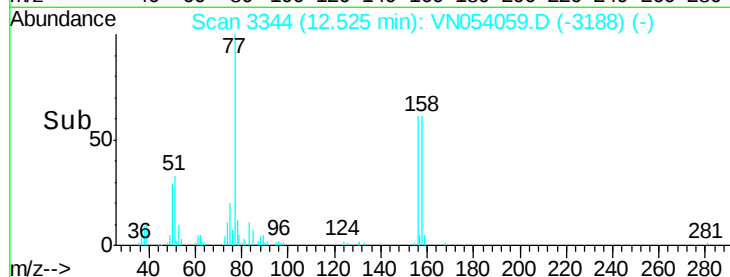
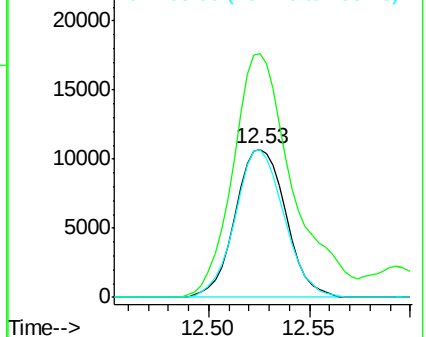
158 96.8 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.292 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054059.D

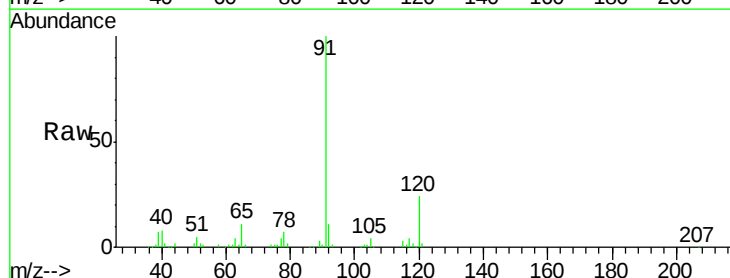
Acq: 4 Mar 2019 10:53

Tgt Ion: 91 Resp: 81259

Ion Ratio Lower Upper

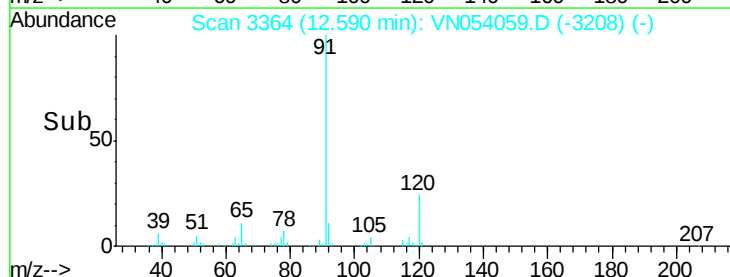
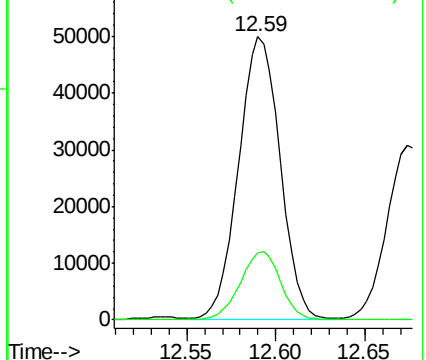
91 100

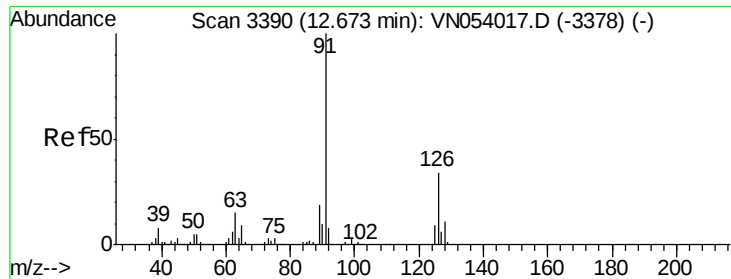
120 23.4 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.530 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054059.D

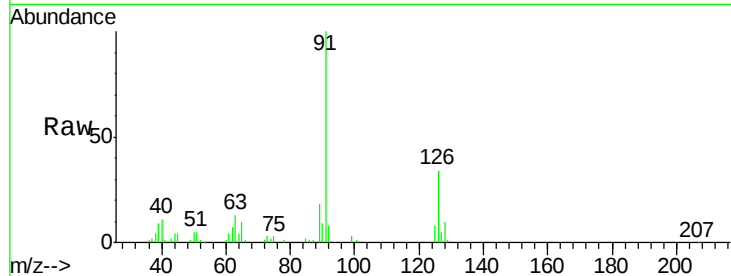
Acq: 4 Mar 2019 10:53

Tot Ion: 91 Resp: 52536

Ion Ratio Lower Upper

91 100

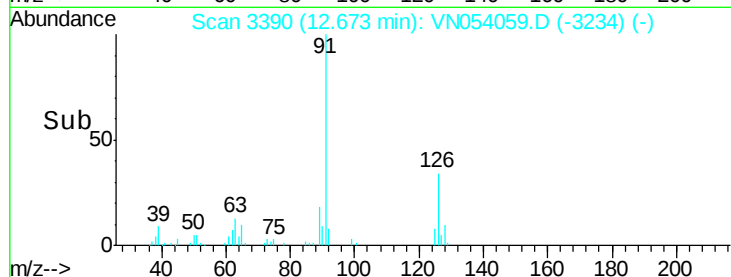
126 34.2 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054017.D (-3378) (-)

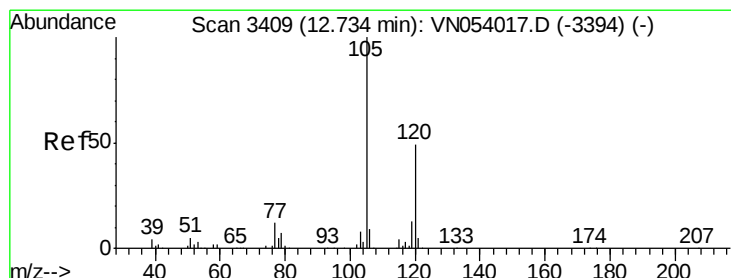
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN054059.D (-3234) (-)

Ion 126.00 (125.70 to 126.70): VN054059.D (-3234) (-)

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 2.305 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054059.D

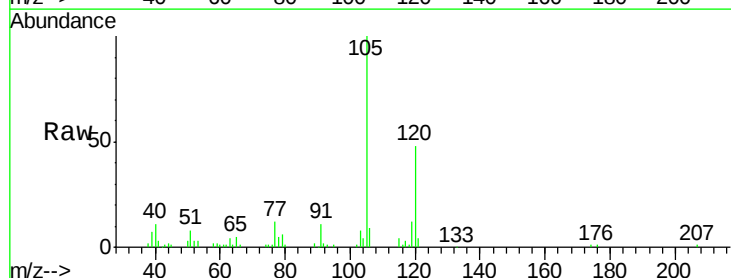
Acq: 4 Mar 2019 10:53

Tgt Ion: 105 Resp: 58147

Ion Ratio Lower Upper

105 100

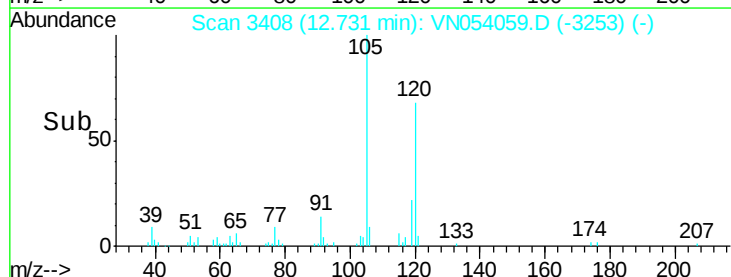
120 49.0 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN054017.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054017.D (-3394) (-)

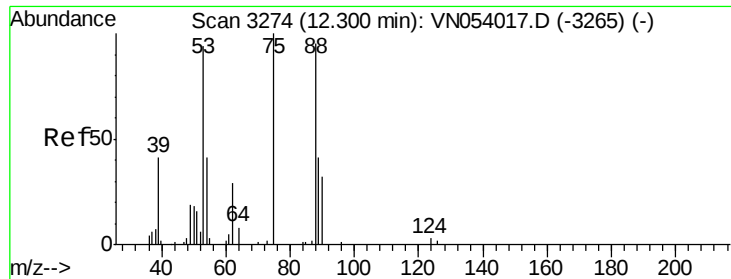
Time-->



Abundance Ion 105.00 (104.70 to 105.70): VN054059.D (-3253) (-)

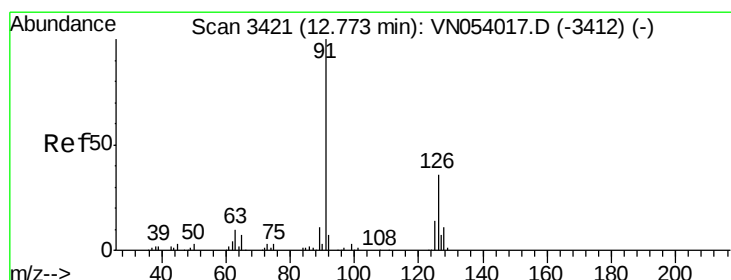
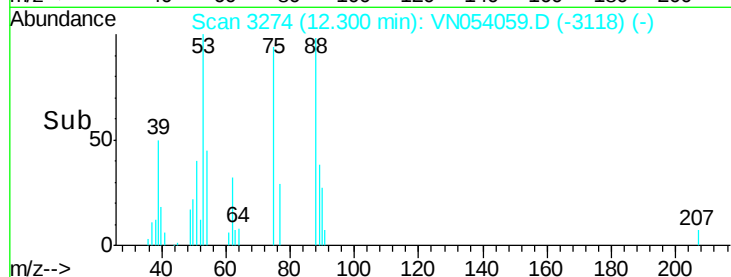
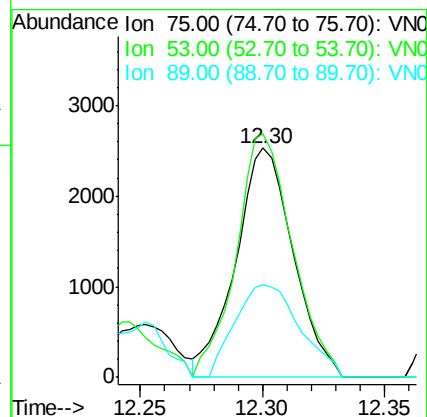
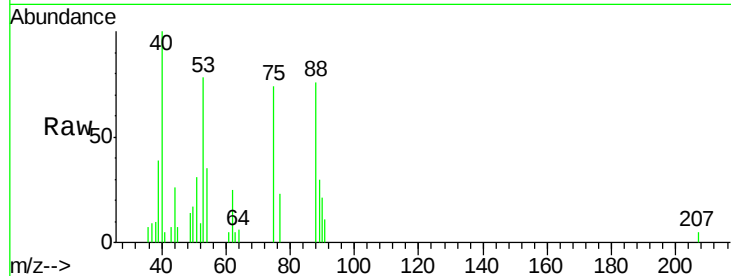
Ion 120.00 (119.70 to 120.70): VN054059.D (-3253) (-)

Time-->



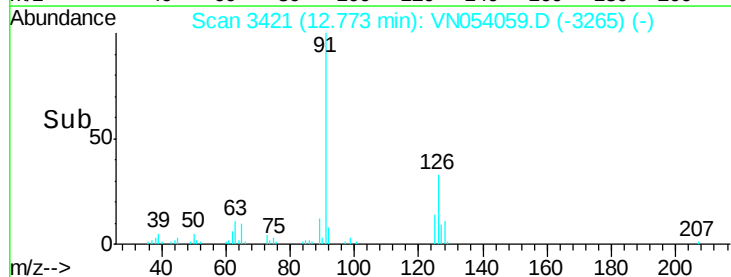
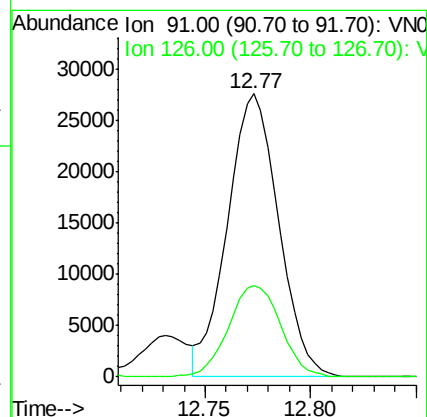
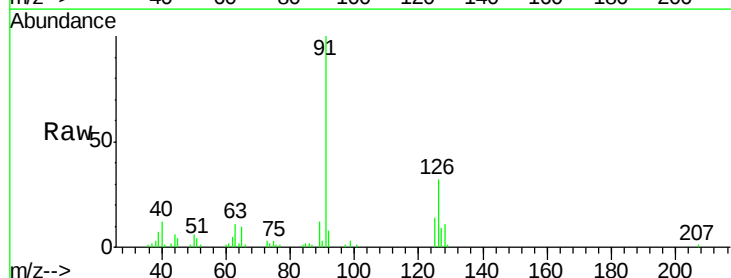
#77
t-1,4-Dichloro-2-butene
Concen: 2.084 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

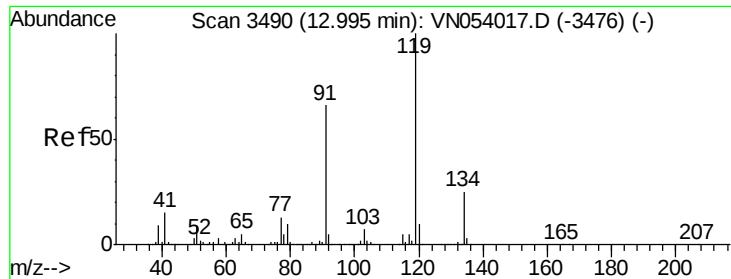
Tot Ion: 75 Resp: 4139
Ion Ratio Lower Upper
75 100
53 106.2 48.5 145.6
89 40.4 21.7 65.1



#78
4-Chlorotoluene
Concen: 2.234 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

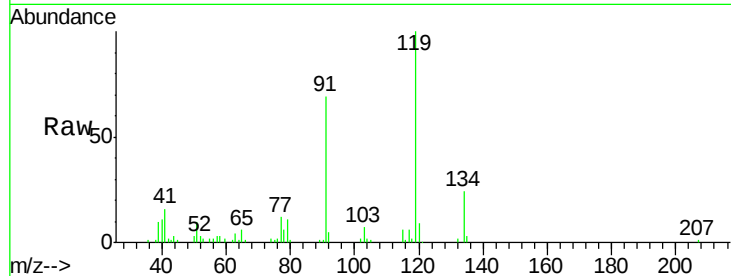
Tgt Ion: 91 Resp: 46423
Ion Ratio Lower Upper
91 100
126 33.0 0.0 68.2



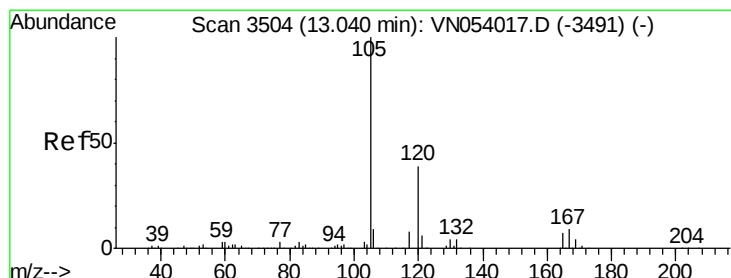
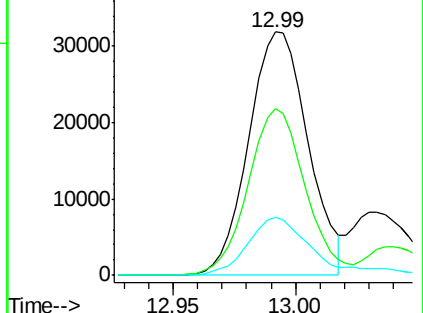
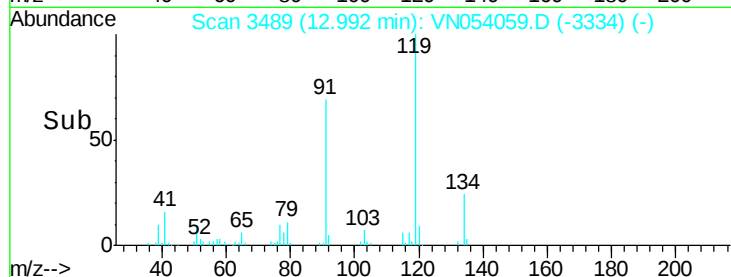


#79
tert-butylbenzene
Concen: 2.438 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tot Ion:119 Resp: 53875
Ion Ratio Lower Upper
119 100
91 66.0 0.0 129.8
134 23.6 0.0 52.2

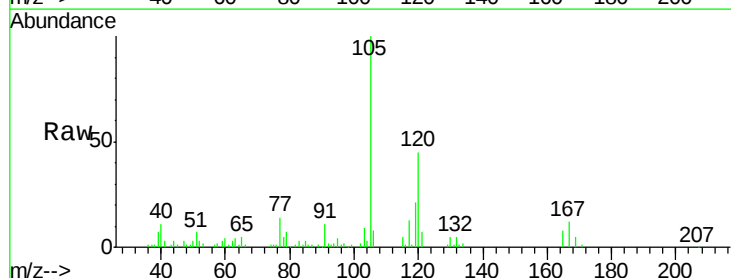


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

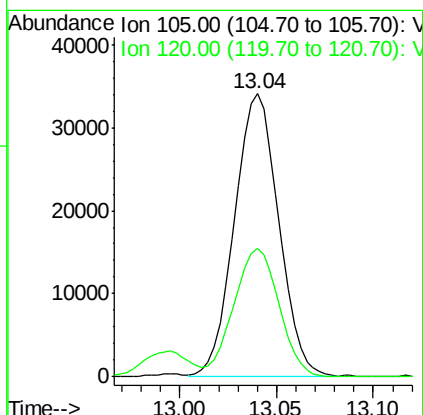
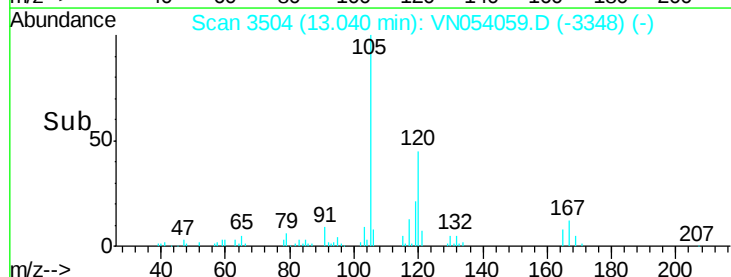


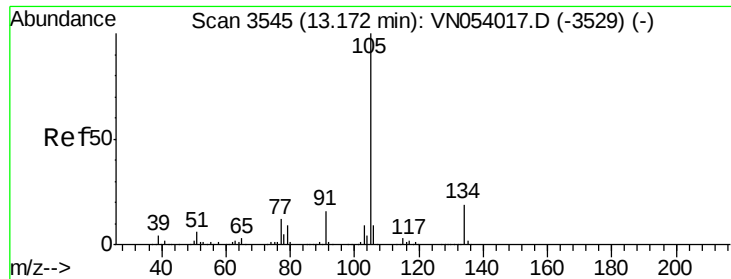
#80
1,2,4-Trimethylbenzene
Concen: 2.158 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tgt Ion:105 Resp: 54178
Ion Ratio Lower Upper
105 100
120 46.5 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 2.377 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054059.D

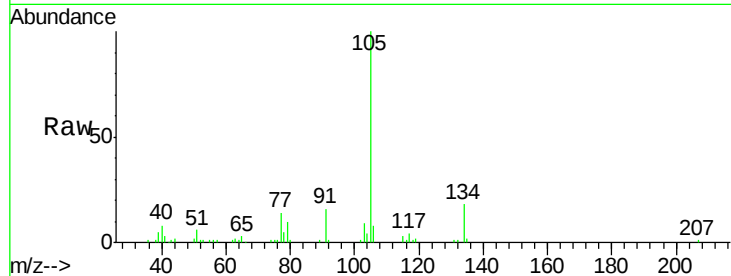
Acq: 4 Mar 2019 10:53

Tot Ion:105 Resp: 72062

Ion Ratio Lower Upper

105 100

134 18.1 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

50000

40000

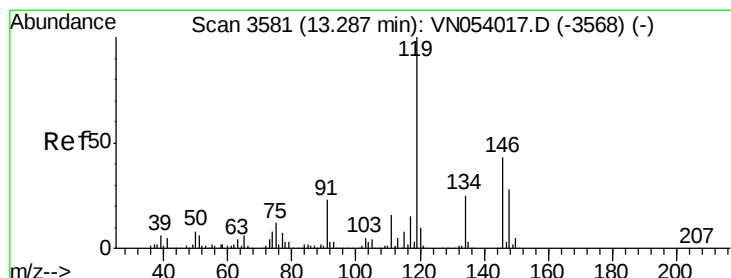
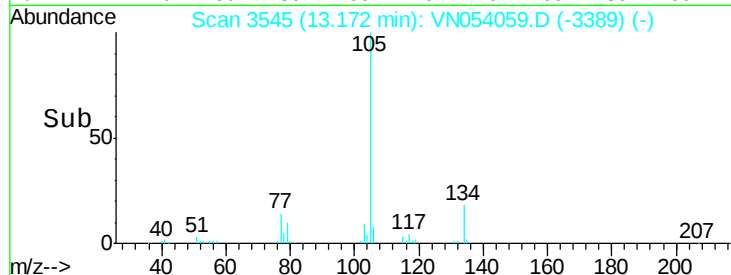
30000

20000

10000

0

Time--> 13.10 13.15 13.20



#82

p-Isopropyltoluene

Concen: 2.131 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

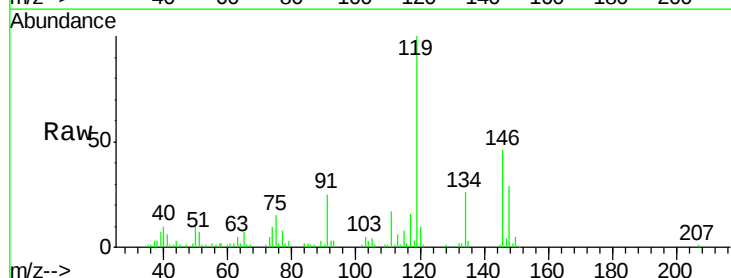
Tgt Ion:119 Resp: 55154

Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.6

91 24.9 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

40000

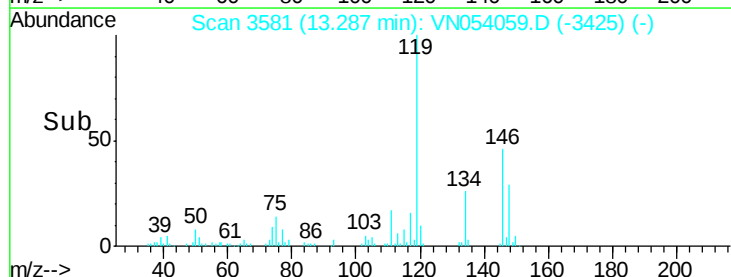
30000

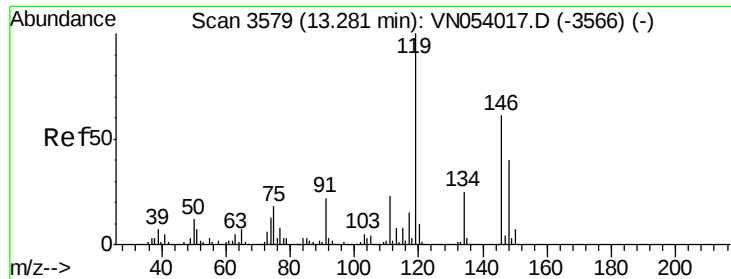
20000

10000

0

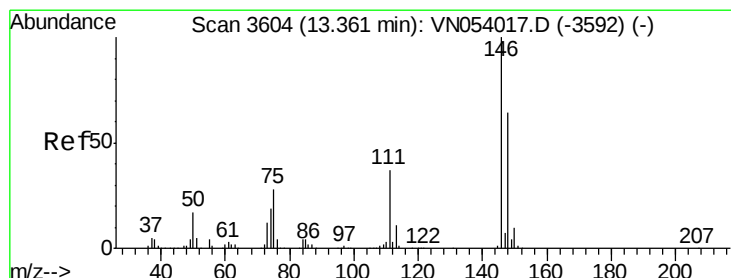
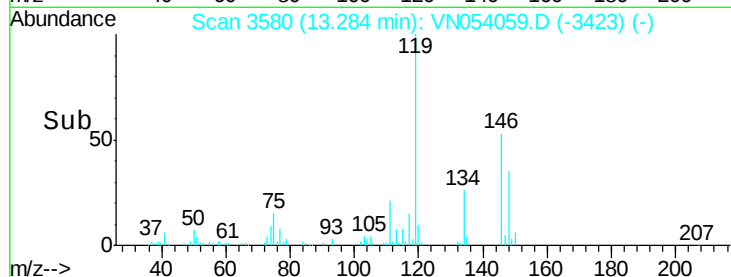
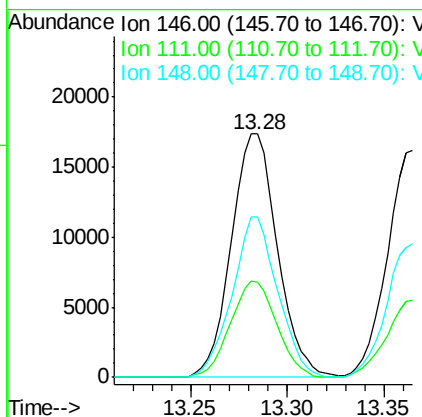
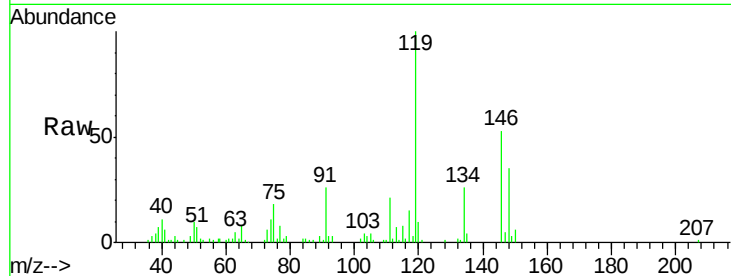
Time--> 13.25 13.30 13.35





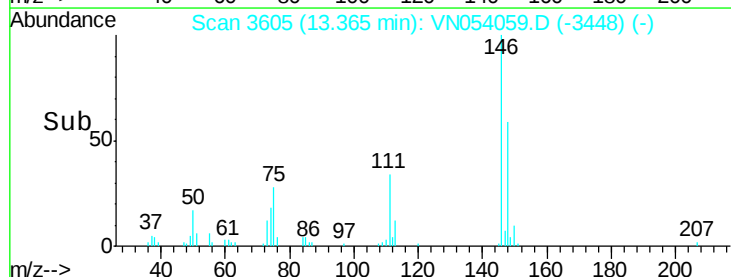
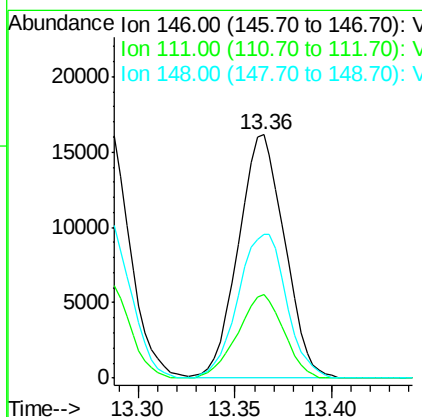
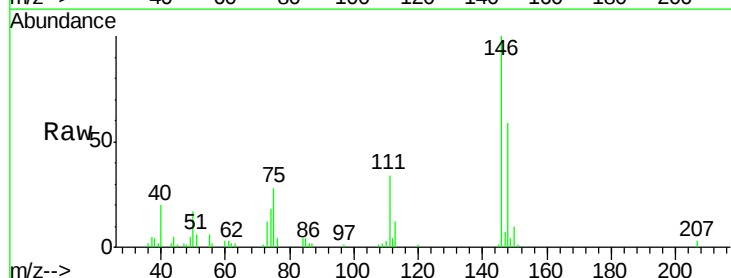
#83
 1,3-Dichlorobenzene
 Concen: 2.179 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

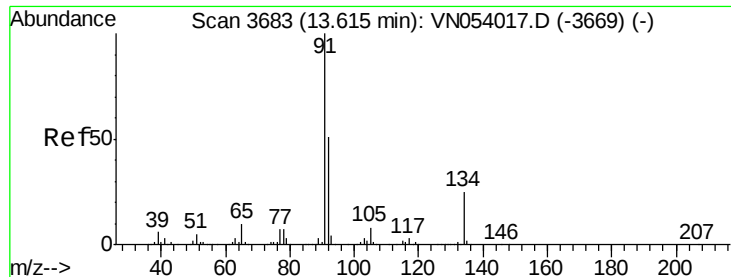
Tot Ion:146 Resp: 28858
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.7 59.0
 148 64.7 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 2.132 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

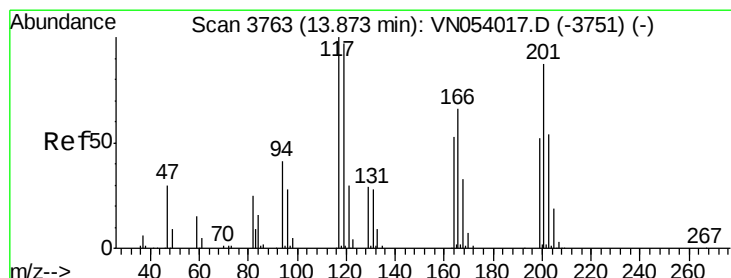
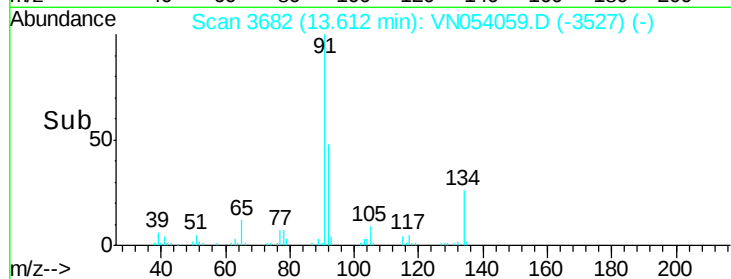
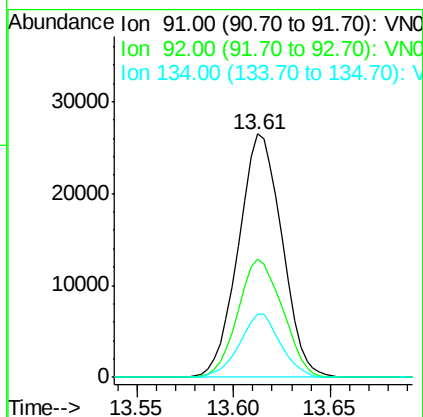
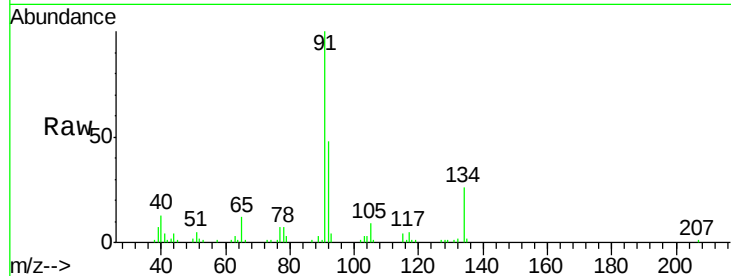
Tgt Ion:146 Resp: 26957
 Ion Ratio Lower Upper
 146 100
 111 34.0 18.8 56.3
 148 61.9 32.5 97.4





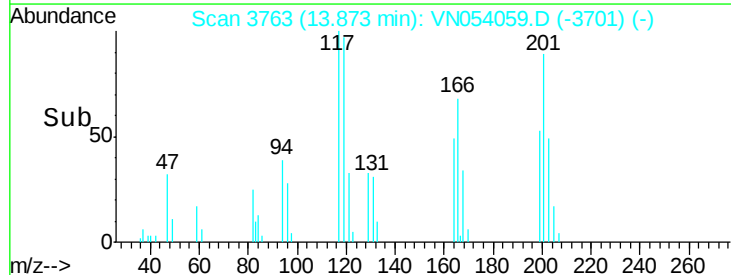
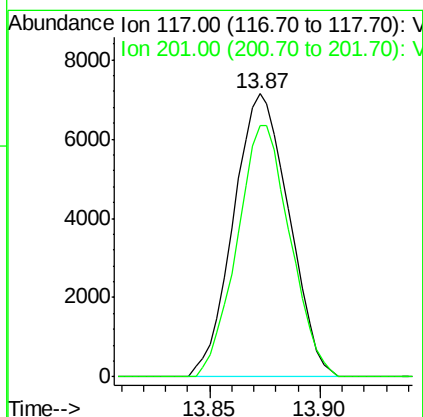
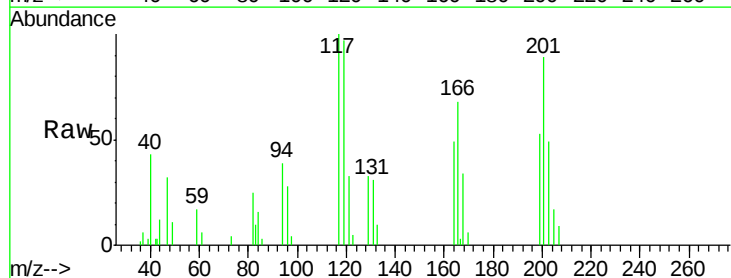
#85
n-Butylbenzene
Concen: 1.844 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

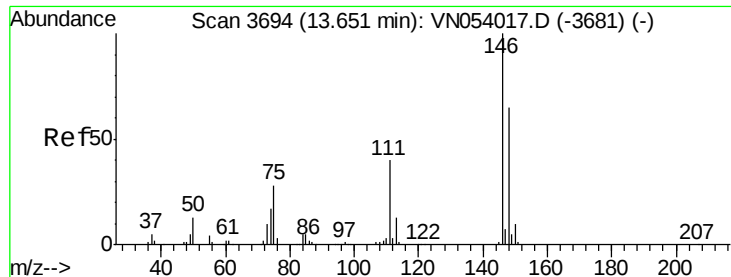
Tot Ion: 91 Resp: 41606
Ion Ratio Lower Upper
91 100
92 49.3 0.0 104.2
134 24.5 0.0 50.6



#86
Hexachloroethane
Concen: 2.576 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054059.D
Acq: 4 Mar 2019 10:53

Tgt Ion: 117 Resp: 12467
Ion Ratio Lower Upper
117 100
201 84.8 43.8 131.3





#87

1,2-Dichlorobenzene

Concen: 2.099 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.29 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

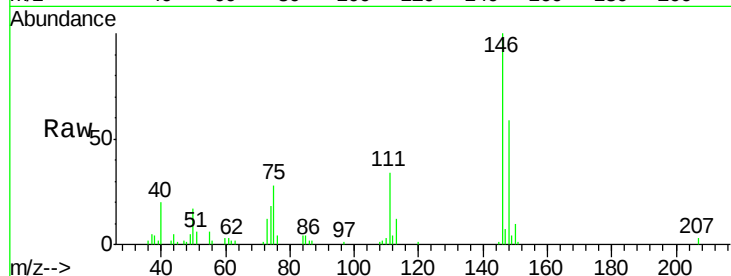
Tot Ion:146 Resp: 26957

Ion Ratio Lower Upper

146 100

111 34.0 20.3 60.8

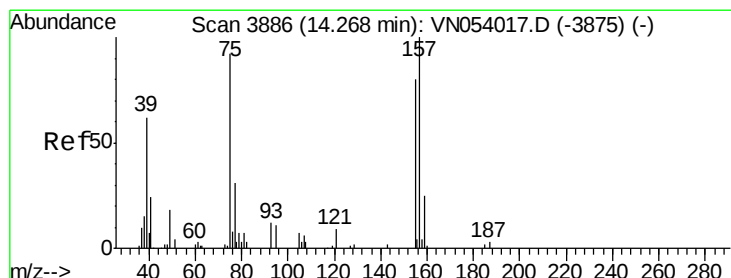
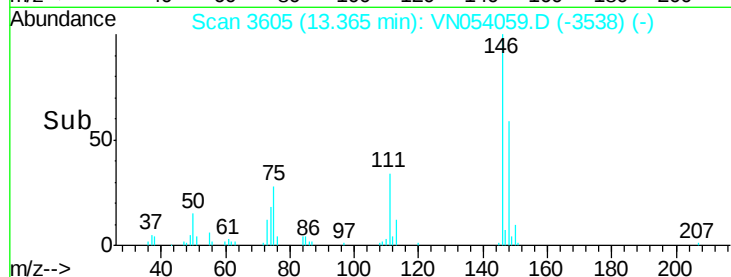
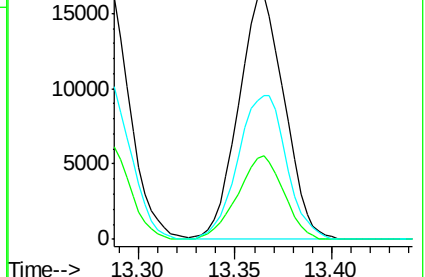
148 61.9 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 2.230 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

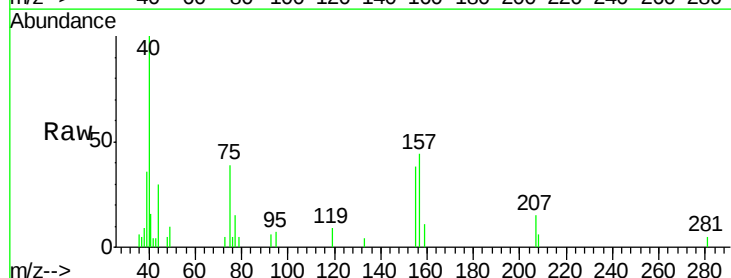
Tgt Ion: 75 Resp: 2371

Ion Ratio Lower Upper

75 100

155 92.1 72.2 108.2

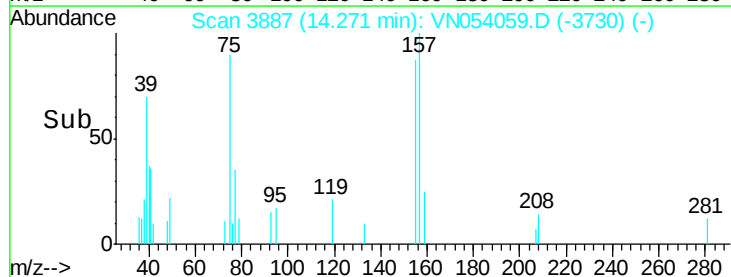
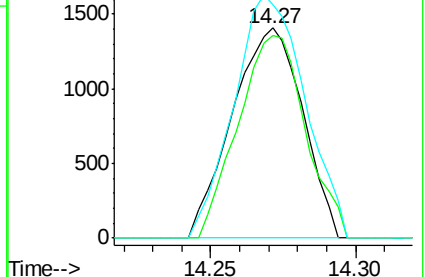
157 116.7 94.2 141.2

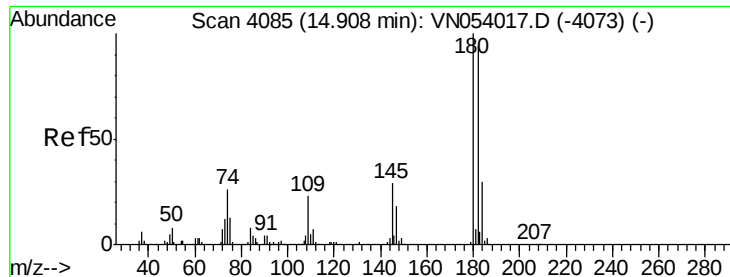


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

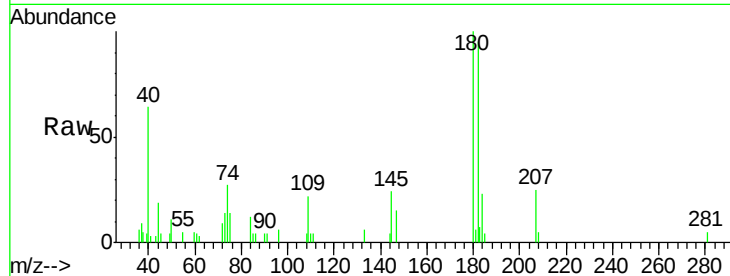
Ion 157.00 (156.70 to 157.70): V



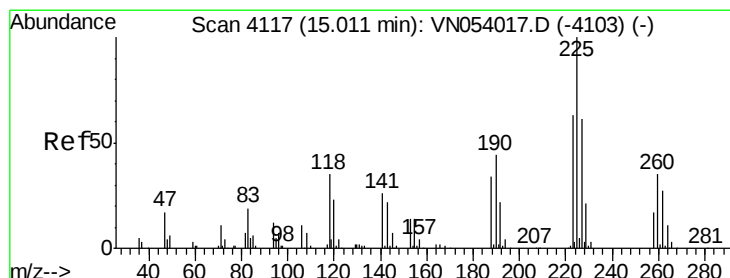
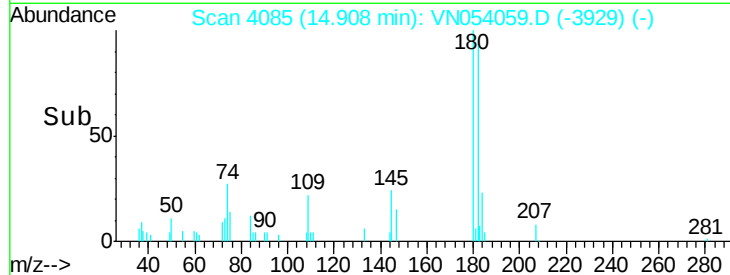
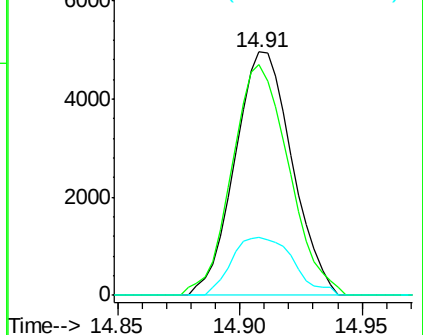


#89
 1,2,4-Trichlorobenzene
 Concen: 1.235 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

Tot Ion:180 Resp: 8060
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.6 114.8
 145 25.3 23.6 35.4

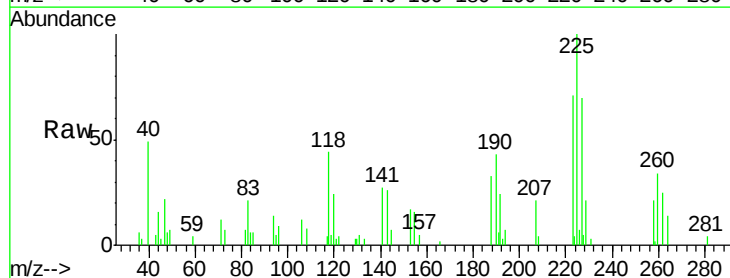


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

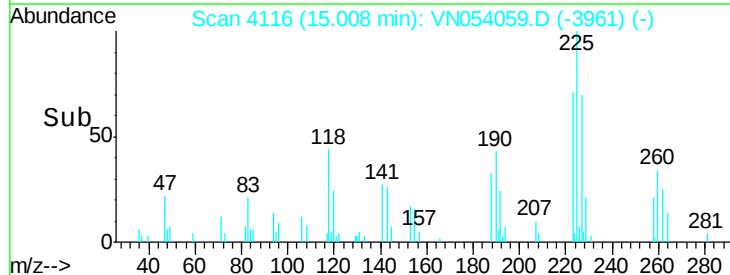
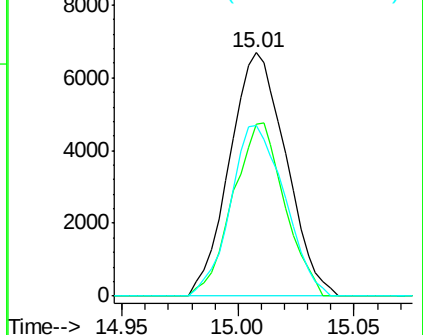


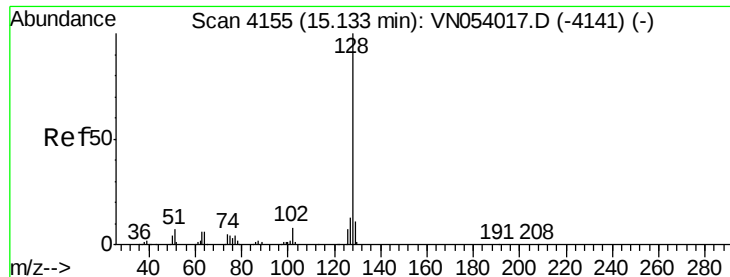
#90
 Hexachlorobutadiene
 Concen: 2.378 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054059.D
 Acq: 4 Mar 2019 10:53

Tgt Ion:225 Resp: 11273
 Ion Ratio Lower Upper
 225 100
 223 65.1 0.0 125.6
 227 67.6 0.0 127.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 1.049 ug/l

RT: 15.13 min Scan# 4155

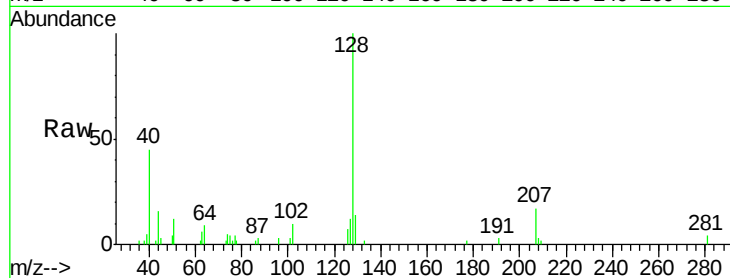
Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

Tot Ion:128 Resp: 13729

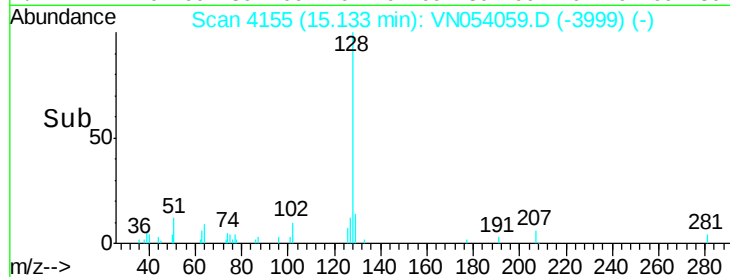
Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	11.8	8.5	12.7



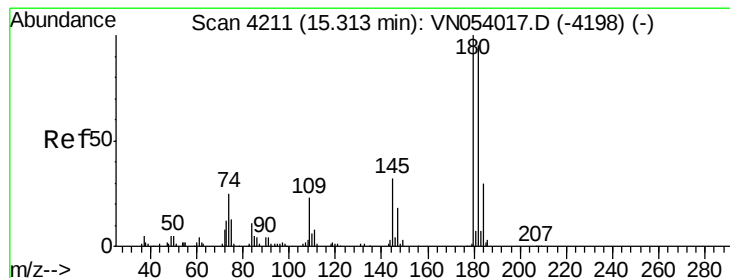
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#92

1,2,3-Trichlorobenzene

Concen: 1.325 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054059.D

Acq: 4 Mar 2019 10:53

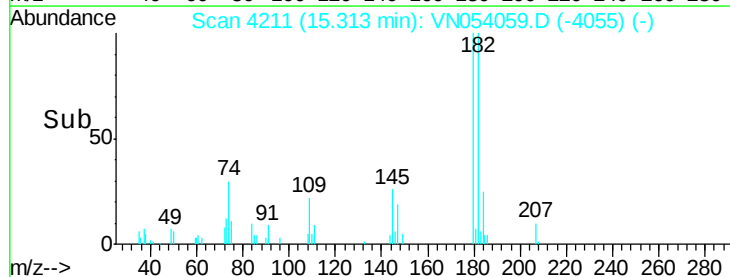
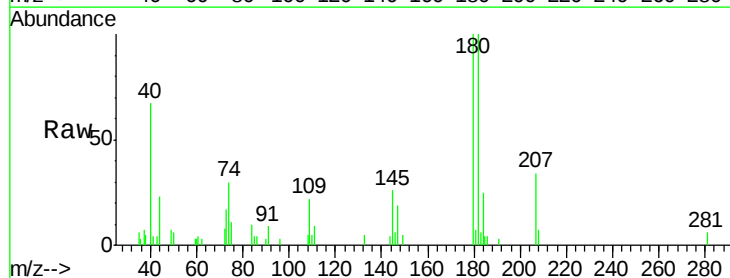
Tgt Ion:180 Resp: 8533

Ion	Ratio	Lower	Upper
180	100		
182	104.2	0.0	196.2
145	29.4	0.0	62.2

Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->