

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054061.D
 Acq On : 4 Mar 2019 12:17
 Operator : JC/SP
 Sample : VN0304WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 04 23:26:28 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri Mar 01 11:11:48 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	108741	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	592303	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	504127	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	238508	31.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.10%
60) 4-Bromofluorobenzene	12.40	95	231004	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	10.09	98	742453	30.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	121735	19.800	ug/l 99
3) Chloromethane	2.06	50	172177	21.053	ug/l 99
4) Vinyl Chloride	2.18	62	163037	19.908	ug/l 99
5) Bromomethane	2.57	94	100877	20.024	ug/l 97
6) Chloroethane	2.71	64	95810	19.870	ug/l 97
7) Trichlorofluoromethane	3.02	101	201853	20.286	ug/l 99
8) Diethyl Ether	3.41	74	77932	20.825	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127709	19.963	ug/l 99
10) 1,1-Dichloroethene	3.74	96	120742	20.144	ug/l 95
11) Methyl Iodide	3.96	142	161638	18.180	ug/l 99
12) Methyl Acetate	4.33	43	113489	22.456	ug/l 97
13) Acrolein	3.61	56	42145	91.830	ug/l 95
14) Acrylonitrile	4.99	53	265123	109.170	ug/l 99
15) Acetone	3.82	58	68307	97.599	ug/l 100
16) Carbon Disulfide	4.06	76	381829	19.634	ug/l 99
17) Allyl chloride	4.33	41	219847	20.740	ug/l 98
18) Methylene Chloride	4.55	84	145591	21.035	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	131154	20.170	ug/l 93
20) Diisopropyl ether	5.95	45	437404	20.627	ug/l 95
21) 1,1-Dichloroethane	5.85	63	257223	20.539	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	148999	20.583	ug/l 99
23) tert-Butyl Alcohol	4.78	59	49839	114.578	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	340383	20.977	ug/l 98
25) Chloroform	7.37	83	247584	20.490	ug/l 99
26) Cyclohexane	7.65	56	227151	19.930	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	186311	20.082	ug/l 99
30) 2-Butanone	6.84	43	312745	106.763	ug/l 98
31) 2,2-Dichloropropane	6.83	77	179840	19.658	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	205686	20.612	ug/l 100
33) Carbon Tetrachloride	7.78	117	176979	20.030	ug/l 99
34) Benzene	8.04	78	575405	20.869	ug/l 99
36) 1,2-Dichloroethane	8.12	62	183316	20.704	ug/l 99
37) Trichloroethene	8.84	130	149106	20.716	ug/l 99
38) Methylcyclohexane	9.08	83	204410	18.667	ug/l 98
39) 1,2-Dichloropropane	9.12	63	155297	20.559	ug/l 96
40) Dibromomethane	9.21	93	90549	20.911	ug/l 100
41) Bromodichloromethane	9.40	83	189728	20.650	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

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

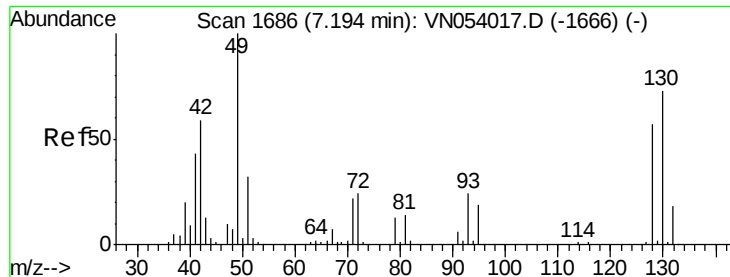
42) Vinyl Acetate	5.90	43	1562130	103.223	ug/l	99
43) Ethyl Acetate	6.93	43	133667	21.785	ug/l #	71
44) Isopropyl Acetate	8.16	43	233181	21.658	ug/l	94
45) 1,4-Dioxane	9.20	88	30178	474.160	ug/l	96
46) Methyl methacrylate	9.20	41	106404	20.575	ug/l	97
47) n-amyl Acetate	12.07	43	163023	20.613	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	180475	19.591	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	214443	19.824	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	124281	20.460	ug/l	99
51) Ethyl methacrylate	10.43	69	145205	19.858	ug/l	98
52) 1,3-Dichloropropane	10.71	76	216990	20.814	ug/l	99
53) Dibromochloromethane	10.90	129	133887	20.059	ug/l	98
54) 1,2-Dibromoethane	11.01	107	119641	20.677	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	355452	104.749	ug/l	99
56) Bromoform	12.13	173	89966	20.300	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	626992	110.375	ug/l	97
59) 2-Hexanone	10.75	43	396565	106.850	ug/l	98
61) Tetrachloroethene	10.63	164	145007	20.691	ug/l	96
62) Toluene	10.16	91	584973	20.763	ug/l	100
64) Chlorobenzene	11.43	112	345521	20.140	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	131443	20.866	ug/l	98
66) Ethyl Benzene	11.51	91	586722	19.923	ug/l	98
67) m/p-Xylenes	11.62	106	456412	41.163	ug/l	98
68) o-Xylene	11.95	106	220697	20.533	ug/l	98
69) Styrene	11.96	104	343741	20.197	ug/l	98
70) Isopropylbenzene	12.25	105	578300	20.500	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	148454	21.321	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	179938	34.035	ug/l	41
73) Bromobenzene	12.53	156	140256	19.720	ug/l	98
74) n-propylbenzene	12.59	91	677276	20.162	ug/l	100
75) 2-Chlorotoluene	12.68	91	405430	20.610	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	486608	20.364	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	36867	19.596	ug/l	99
78) 4-Chlorotoluene	12.77	91	395002	20.067	ug/l	99
79) tert-butylbenzene	12.99	119	427238	20.404	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	488004	20.519	ug/l	99
81) sec-Butylbenzene	13.17	105	577059	20.094	ug/l	99
82) p-Isopropyltoluene	13.29	119	491592	20.048	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	249407	19.881	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	237235	19.807	ug/l	100
85) n-Butylbenzene	13.62	91	399808	18.707	ug/l	98
86) Hexachloroethane	13.87	117	88636	19.334	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	247858	20.372	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21381	21.224	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	113154	18.307	ug/l	97
90) Hexachlorobutadiene	15.01	225	84092	18.725	ug/l	98
91) Naphthalene	15.13	128	225710	20.354	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	116634	19.108	ug/l	95

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

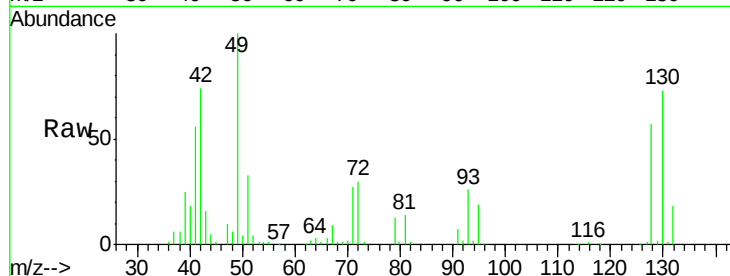
Tot Ion:128 Resp: 108741

Ion Ratio Lower Upper

128 100

49 179.1 0.0 431.8

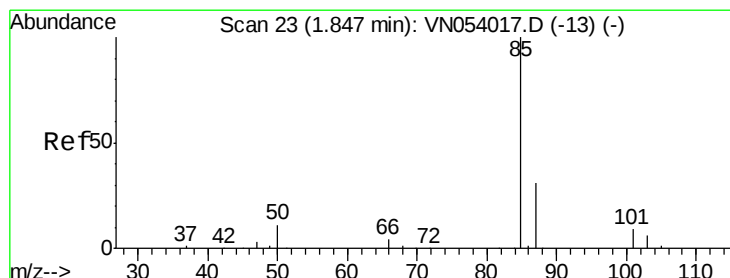
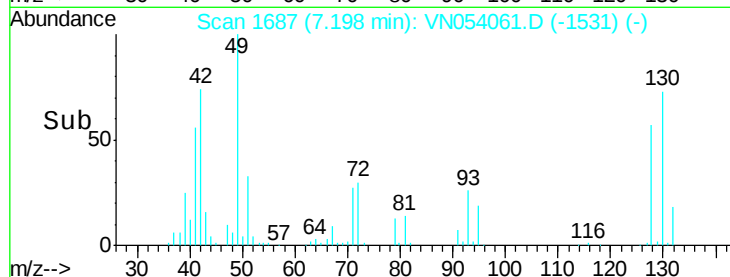
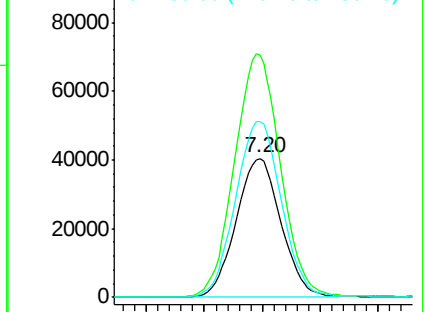
130 129.8 0.0 317.0



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: 19.800 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054061.D

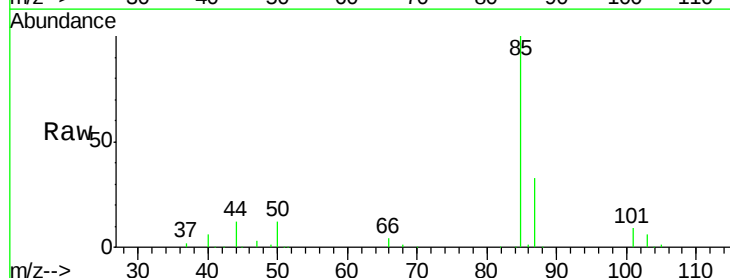
Acq: 4 Mar 2019 12:17

Tgt Ion: 85 Resp: 121735

Ion Ratio Lower Upper

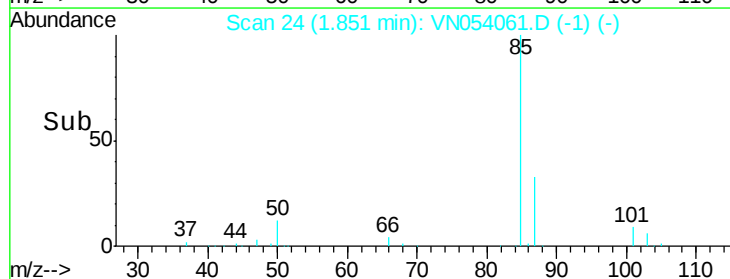
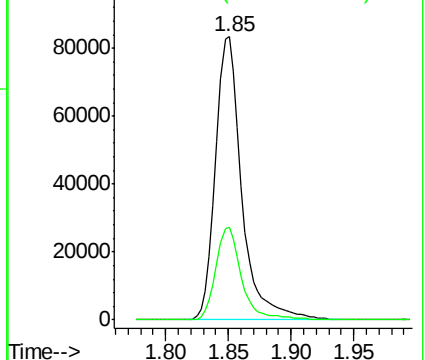
85 100

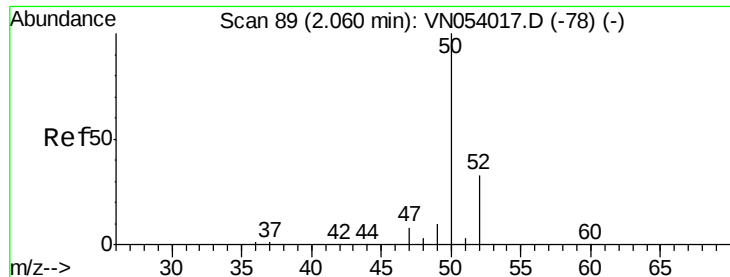
87 32.8 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 21.053 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054061.D

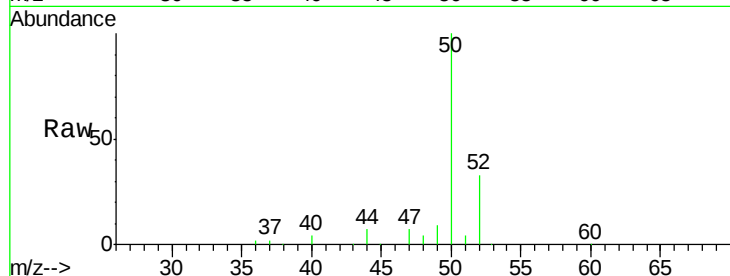
Acq: 4 Mar 2019 12:17

Tot Ion: 50 Resp: 172177

Ion Ratio Lower Upper

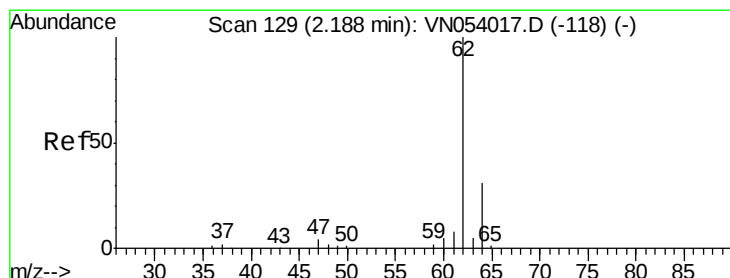
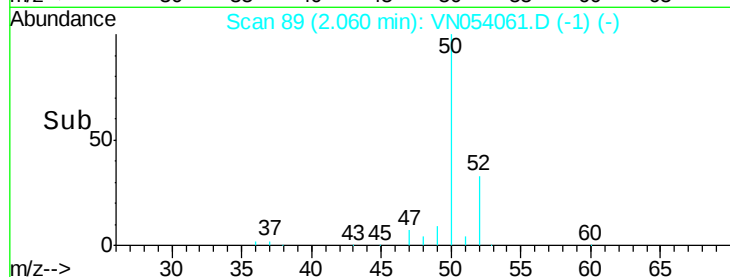
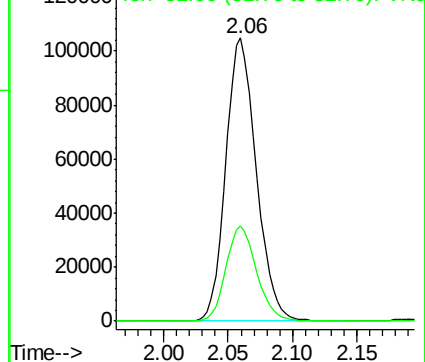
50 100

52 33.5 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: 19.908 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054061.D

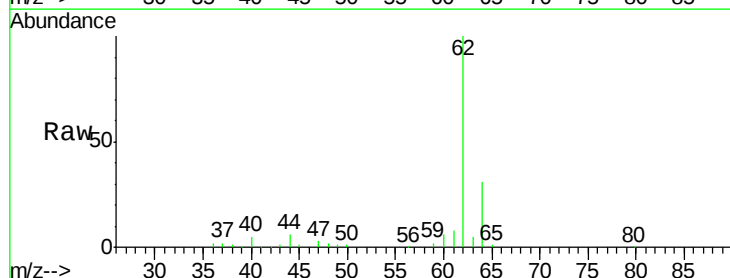
Acq: 4 Mar 2019 12:17

Tgt Ion: 62 Resp: 163037

Ion Ratio Lower Upper

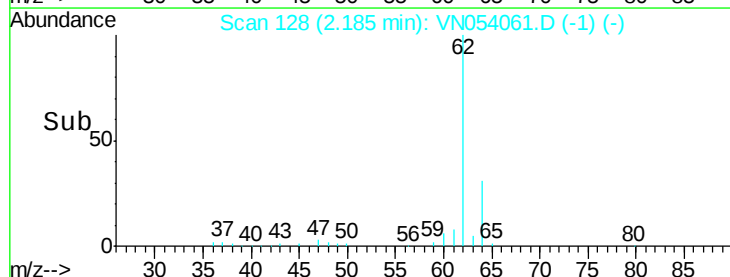
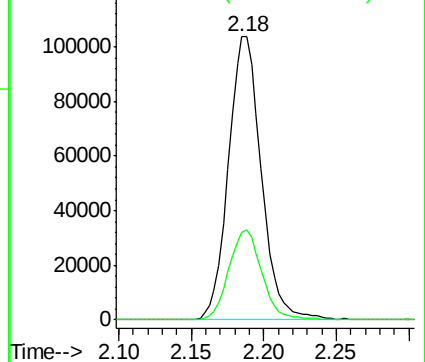
62 100

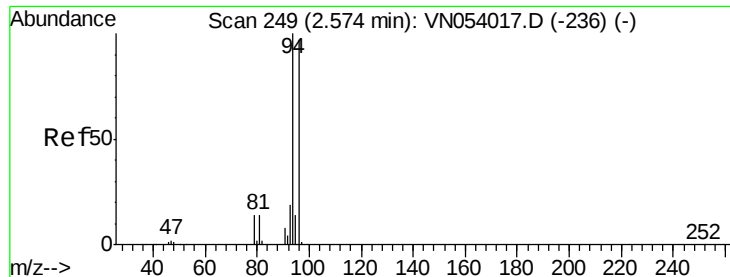
64 31.1 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.024 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054061.D

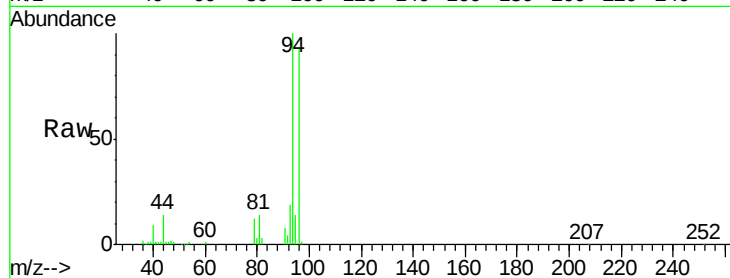
Acq: 4 Mar 2019 12:17

Tot Ion: 94 Resp: 100877

Ion Ratio Lower Upper

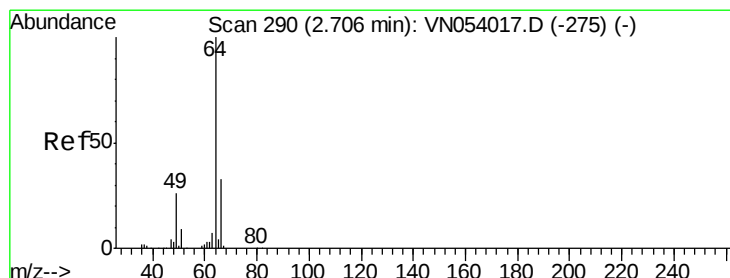
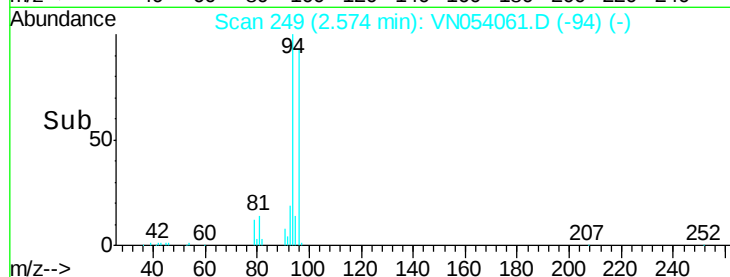
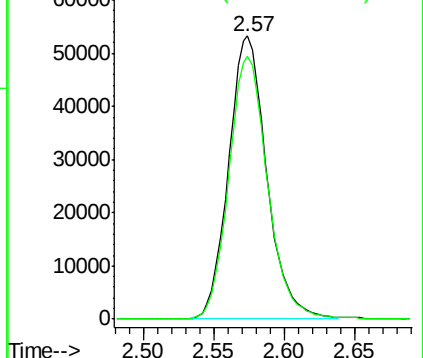
94 100

96 92.6 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: 19.870 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054061.D

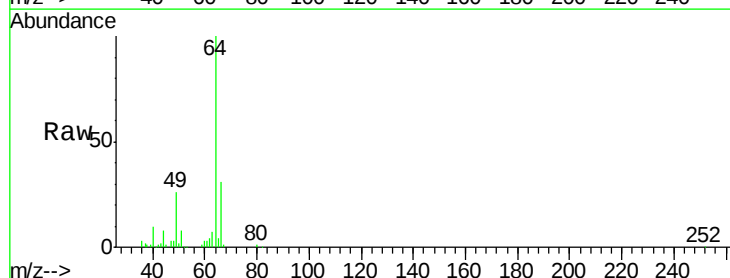
Acq: 4 Mar 2019 12:17

Tgt Ion: 64 Resp: 95810

Ion Ratio Lower Upper

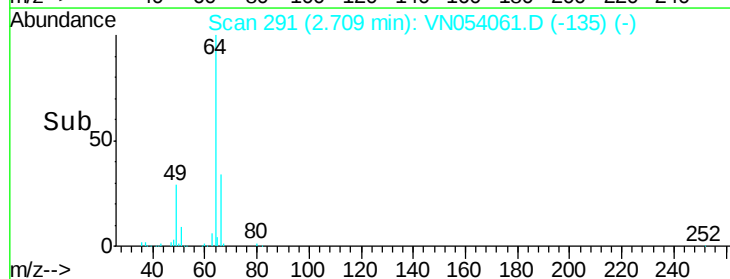
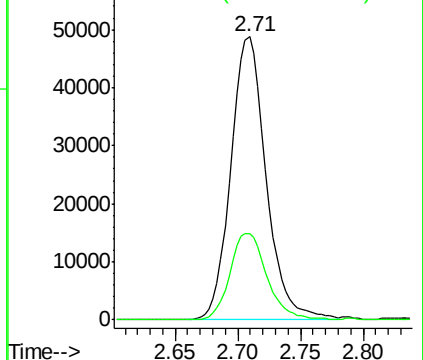
64 100

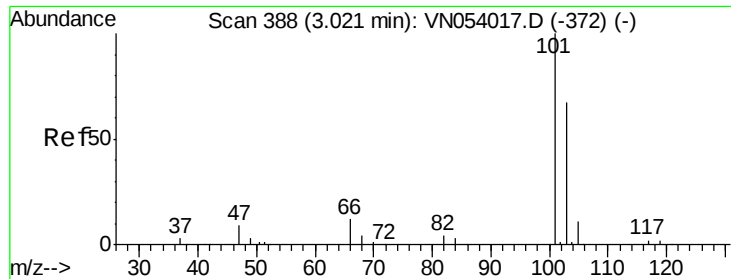
66 30.5 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

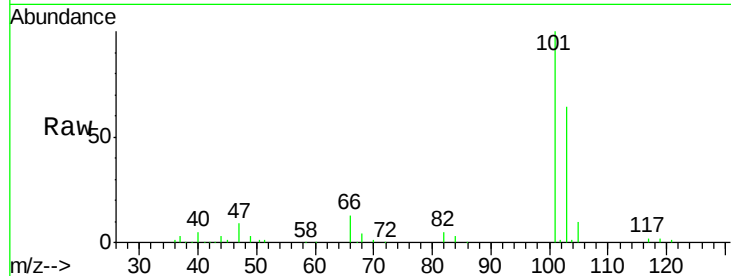




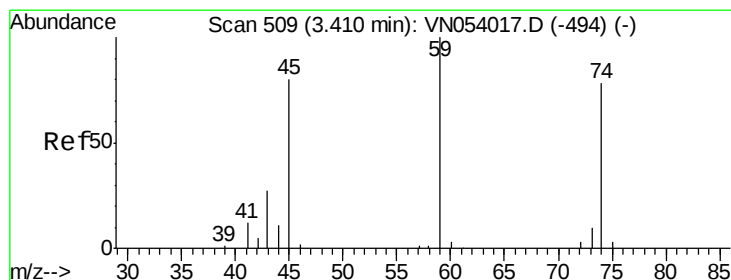
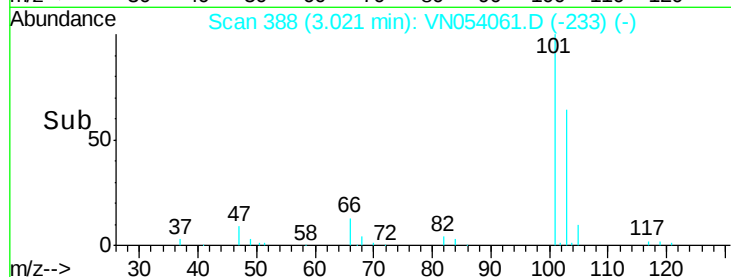
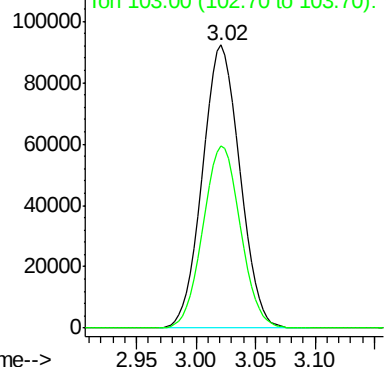
#7

Trichlorofluoromethane
Concen: 20.286 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tot Ion: 101 Resp: 201853
Ion Ratio Lower Upper
101 100
103 64.2 52.1 78.1



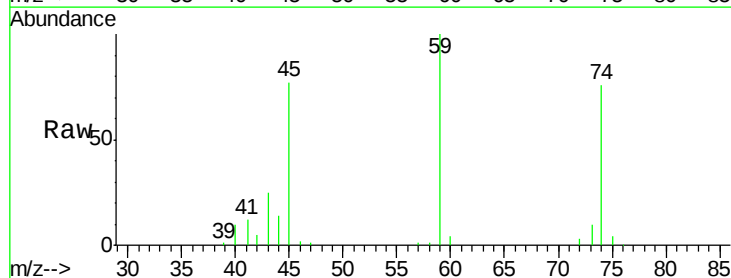
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



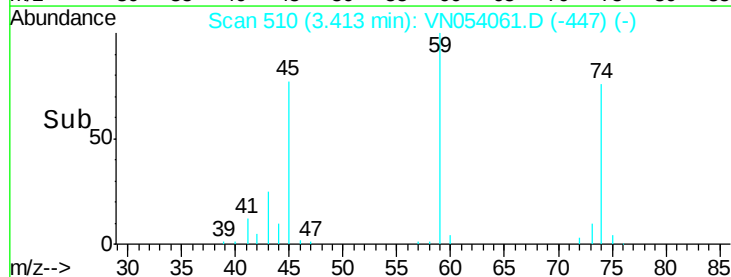
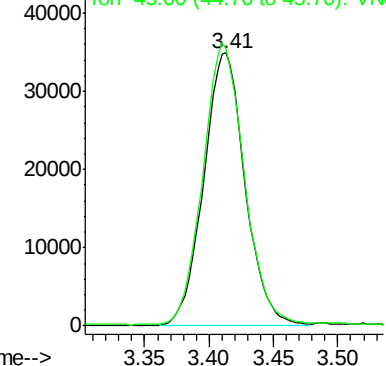
#8

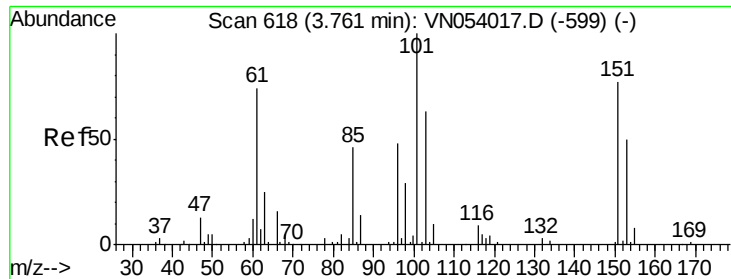
Diethyl Ether
Concen: 20.825 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion: 74 Resp: 77932
Ion Ratio Lower Upper
74 100
45 102.7 20.6 185.8



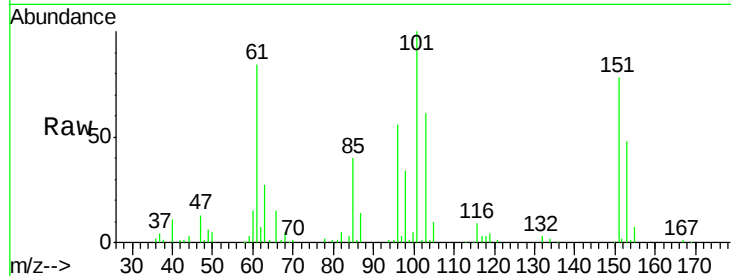
Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V



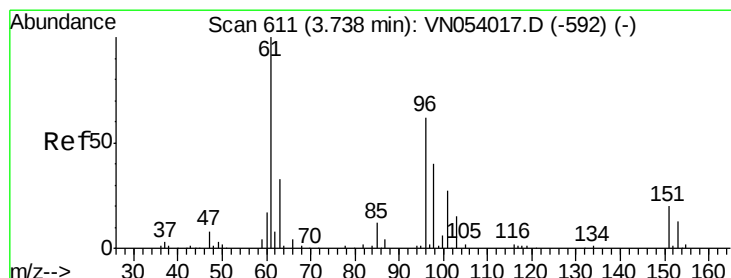
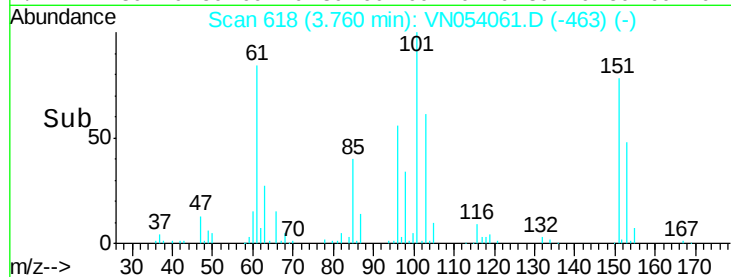
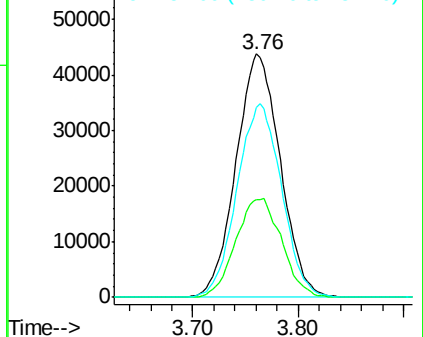


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.963 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tot Ion	101.00	Resp	127709
Ion Ratio	Lower	Upper	
101	100		
85	41.9	0.0	82.6
151	80.1	0.0	158.4

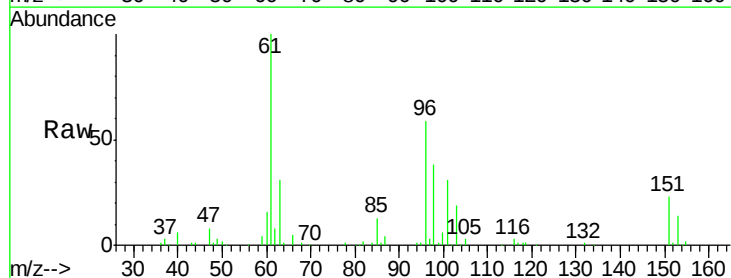


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VNO
 Ion 151.00 (150.70 to 151.70): V

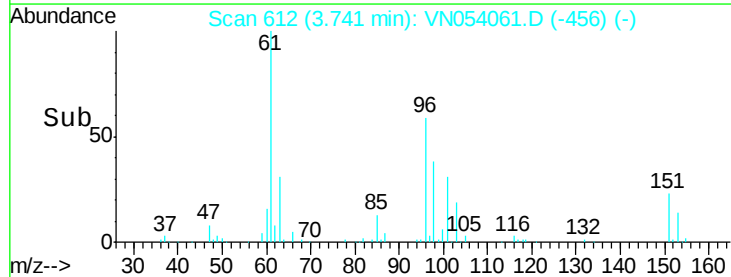
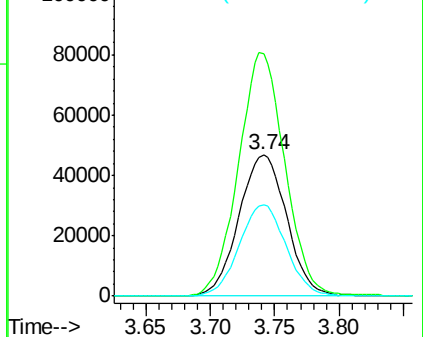


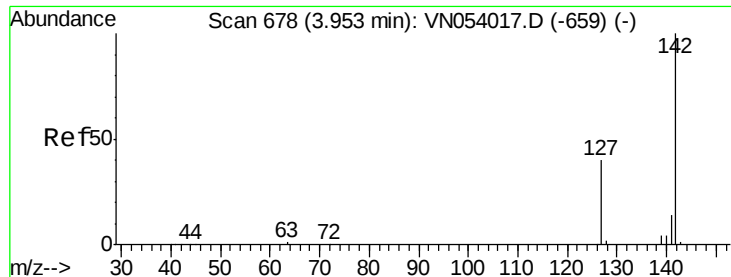
#10
 1,1-Dichloroethene
 Concen: 20.144 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tgt Ion	96	Resp	120742
Ion Ratio	Lower	Upper	
96	100		
61	170.3	129.4	194.2
98	64.6	50.4	75.6



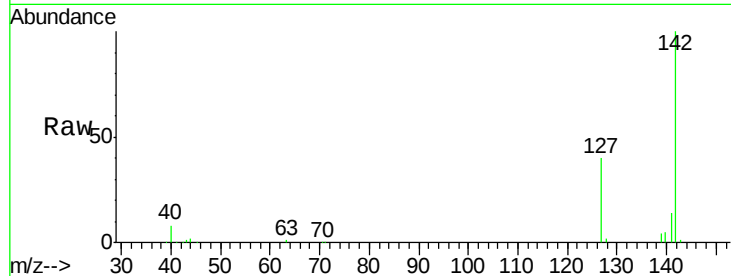
Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO



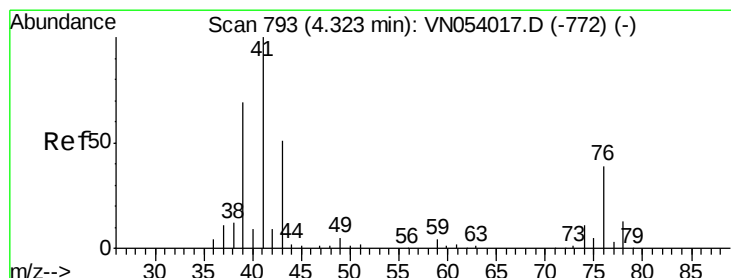
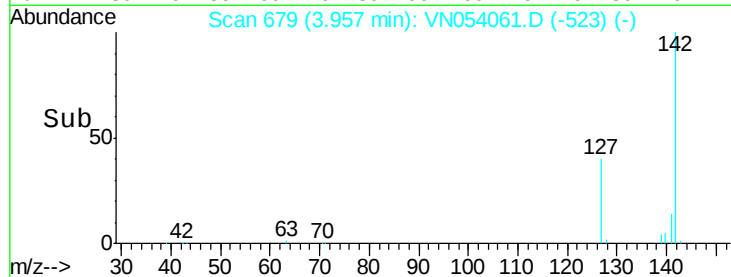
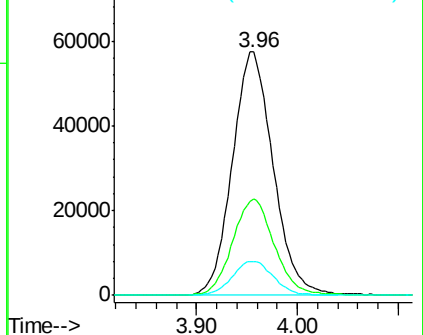


#11
Methyl Iodide
Concen: 18.180 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tot Ion:142 Resp: 161638
Ion Ratio Lower Upper
142 100
127 39.5 19.4 58.1
141 13.8 7.2 21.6

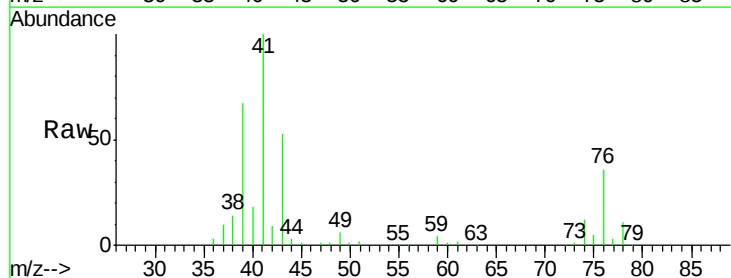


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

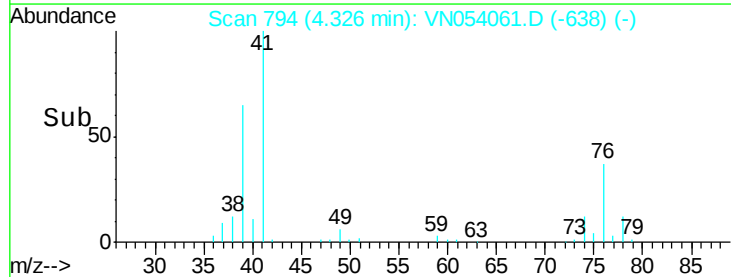
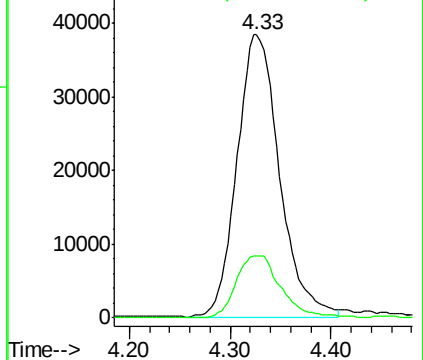


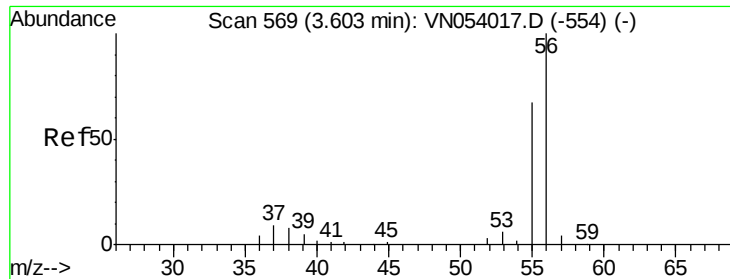
#12
Methyl Acetate
Concen: 22.456 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion: 43 Resp: 113489
Ion Ratio Lower Upper
43 100
74 21.9 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: 91.830 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN054061.D

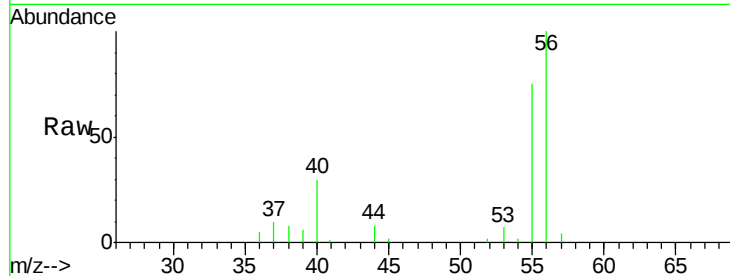
Acq: 4 Mar 2019 12:17

Tot Ion: 56 Resp: 42145

Ion Ratio Lower Upper

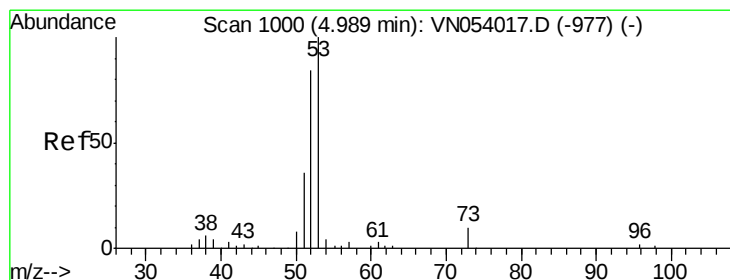
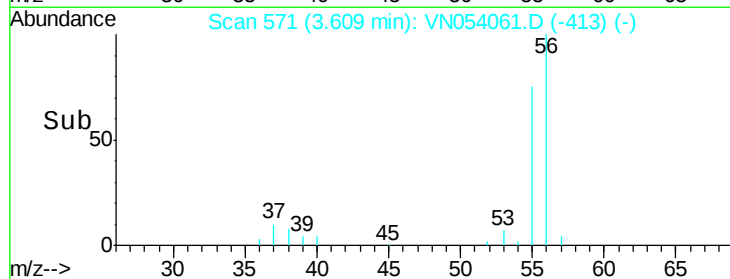
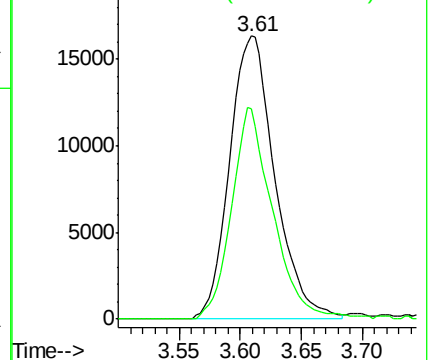
56 100

55 66.9 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: 109.170 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

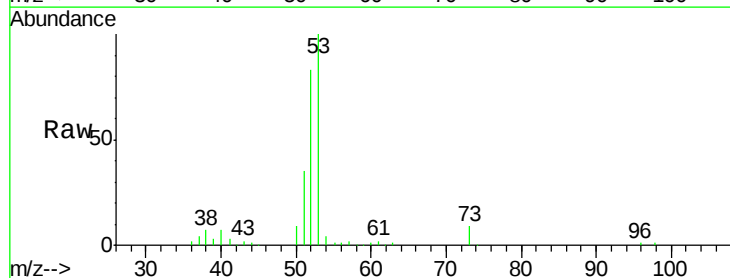
Tgt Ion: 53 Resp: 265123

Ion Ratio Lower Upper

53 100

52 81.0 39.9 119.7

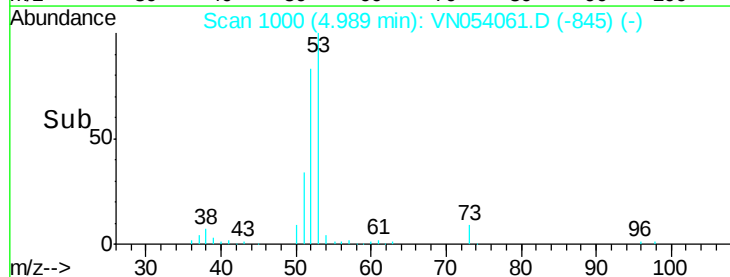
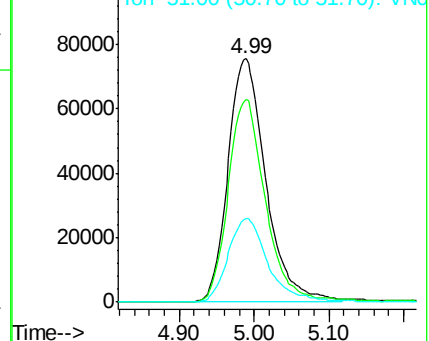
51 36.0 17.6 52.9

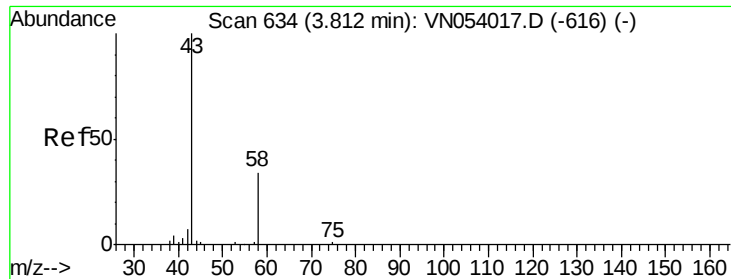


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 97.599 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054061.D

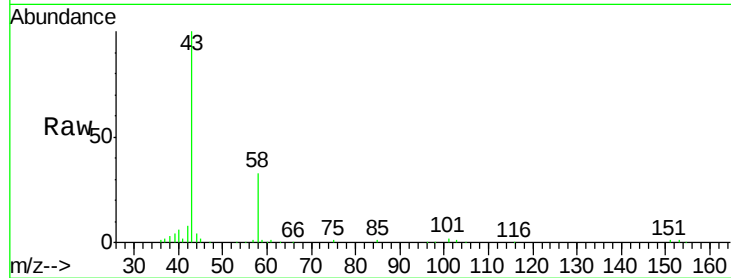
Acq: 4 Mar 2019 12:17

Tot Ion: 58 Resp: 68307

Ion Ratio Lower Upper

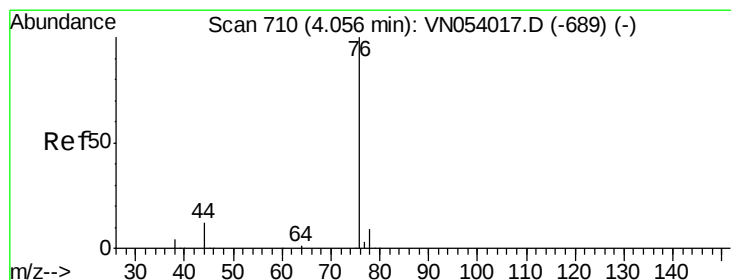
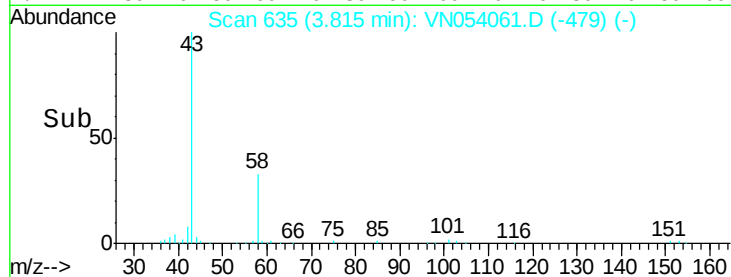
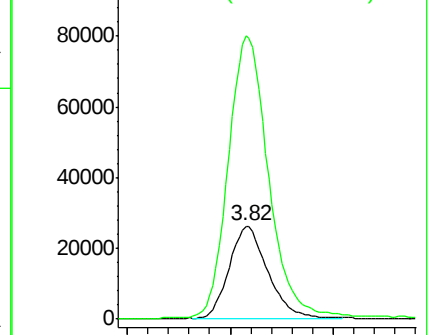
58 100

43 303.7 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.634 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN054061.D

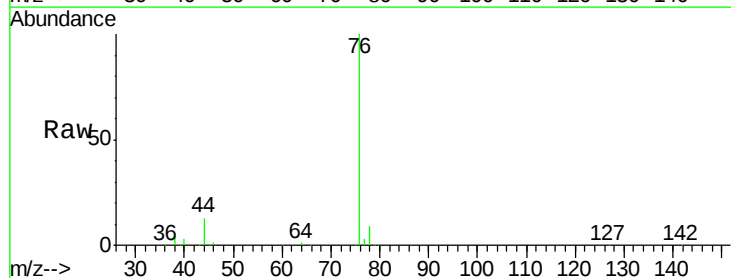
Acq: 4 Mar 2019 12:17

Tgt Ion: 76 Resp: 381829

Ion Ratio Lower Upper

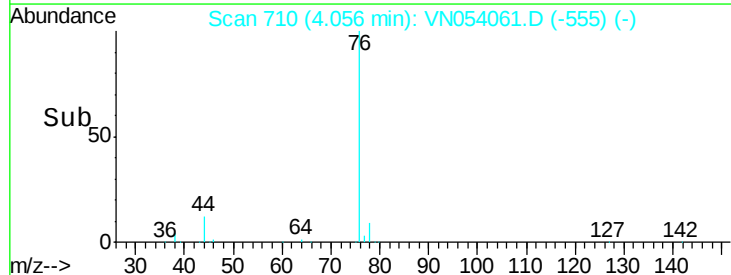
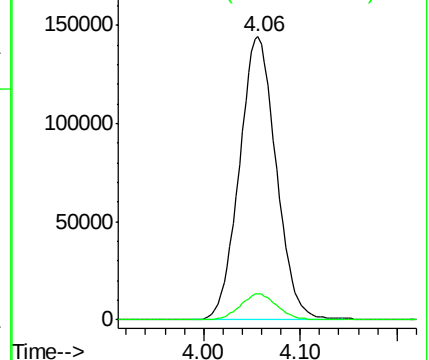
76 100

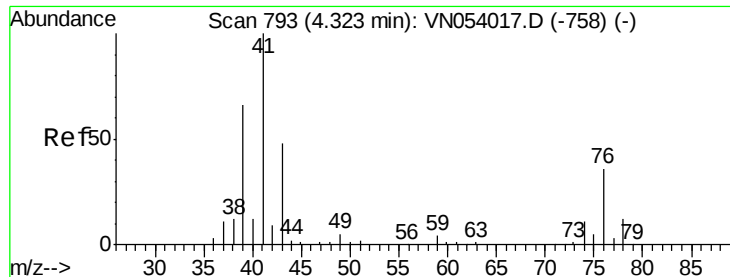
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

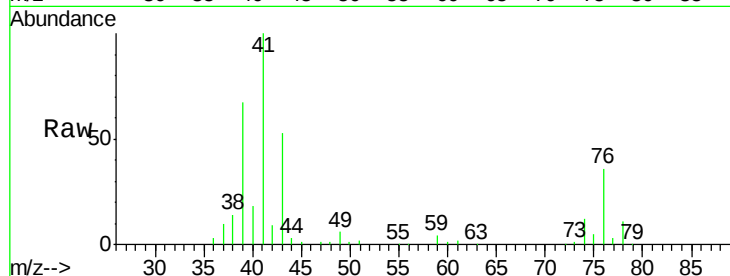
Ion 78.00 (77.70 to 78.70): VN0



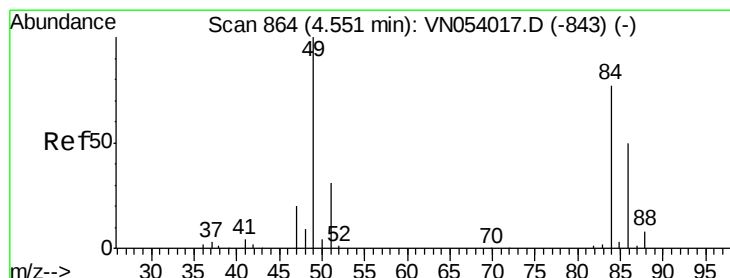
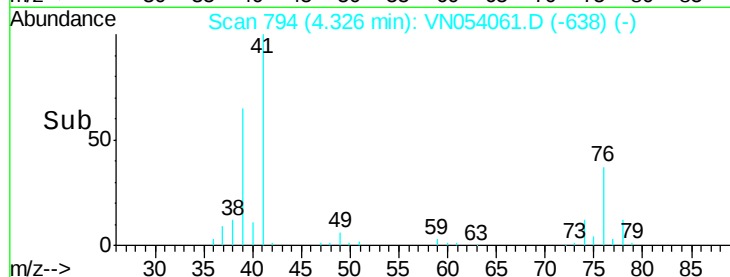
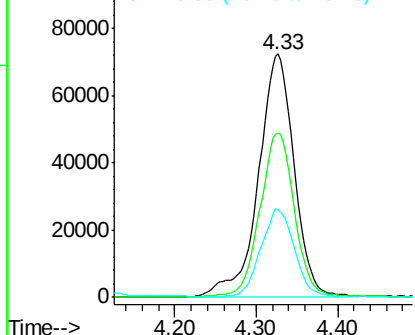


#17
Allvl chloride
Concen: 20.740 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tot Ion: 41 Resp: 219847
Ion Ratio Lower Upper
41 100
39 67.5 32.8 98.3
76 35.8 18.6 55.8

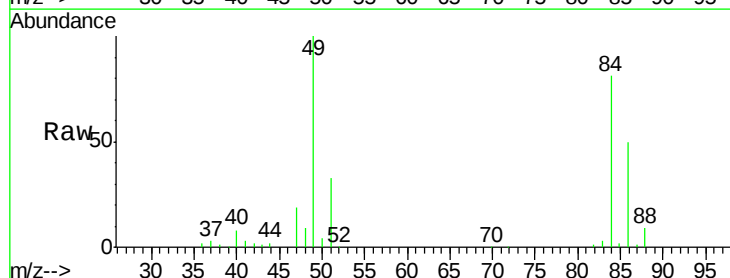


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 76.00 (75.70 to 76.70): VNC

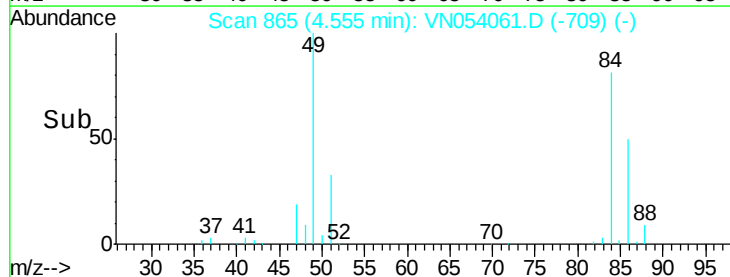
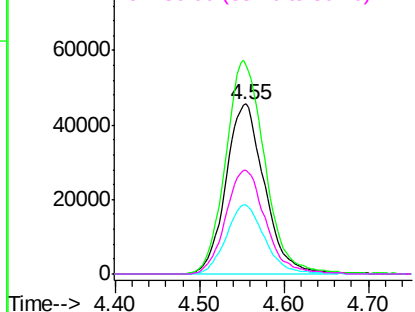


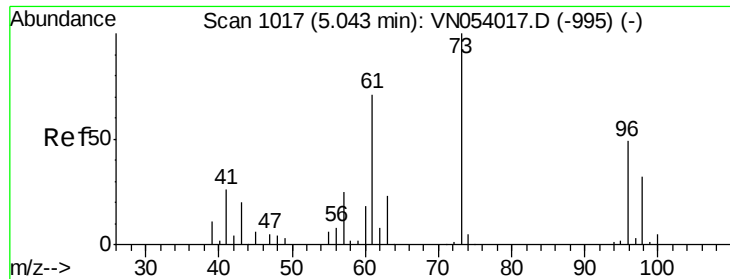
#18
Methylene Chloride
Concen: 21.035 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion: 84 Resp: 145591
Ion Ratio Lower Upper
84 100
49 122.7 101.4 152.0
51 40.4 31.7 47.5
86 61.1 50.1 75.1



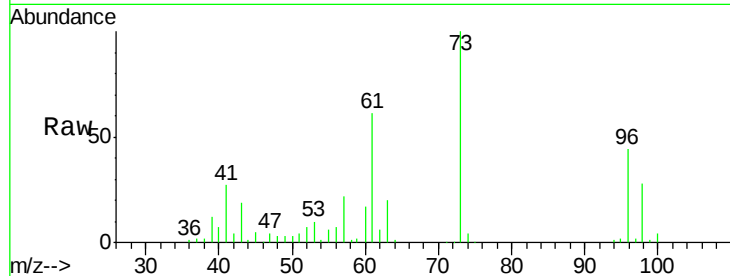
Abundance Ion 84.00 (83.70 to 84.70): VNC
Ion 49.00 (48.70 to 49.70): VNC
Ion 51.00 (50.70 to 51.70): VNC
Ion 86.00 (85.70 to 86.70): VNC



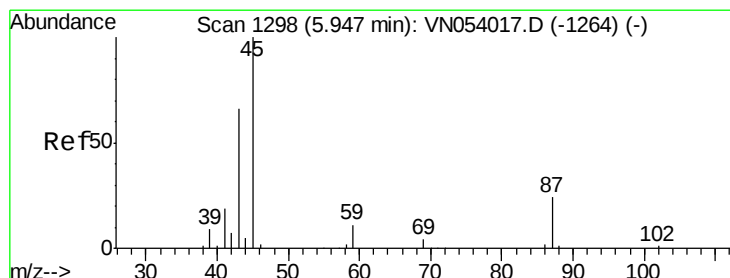
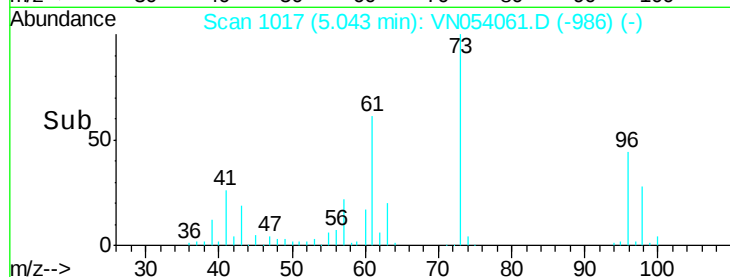
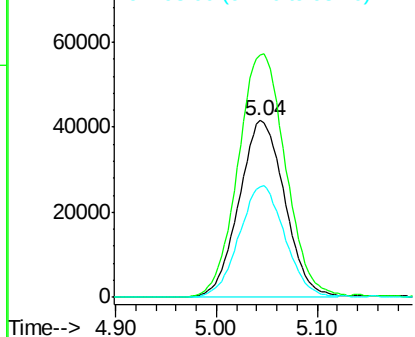


#19
trans-1,2-Dichloroethene
Concen: 20.170 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tot Ion: 96 Resp: 131154
Ion Ratio Lower Upper
96 100
61 136.9 118.2 177.4
98 62.6 51.4 77.2

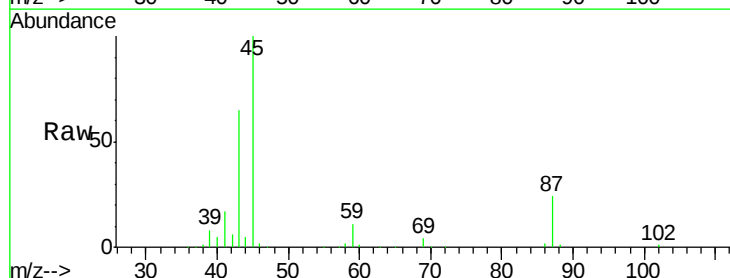


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

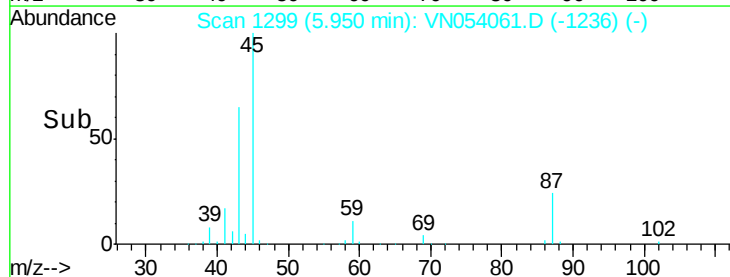
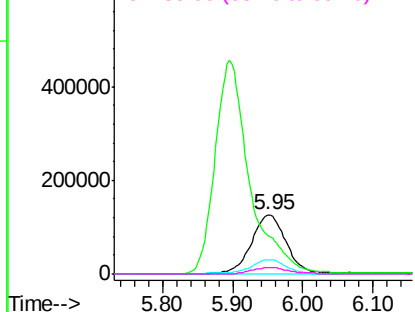


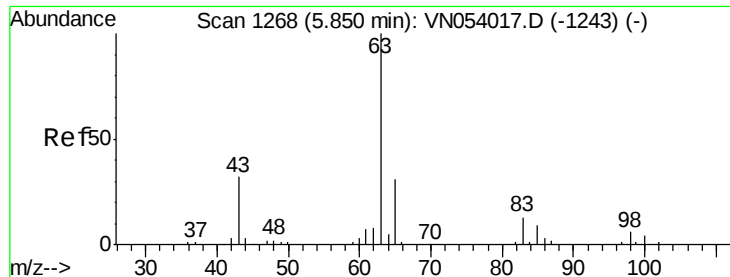
#20
Diisopropyl ether
Concen: 20.627 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion: 45 Resp: 437404
Ion Ratio Lower Upper
45 100
43 63.1 47.8 71.8
87 23.5 21.3 31.9
59 10.5 8.9 13.3



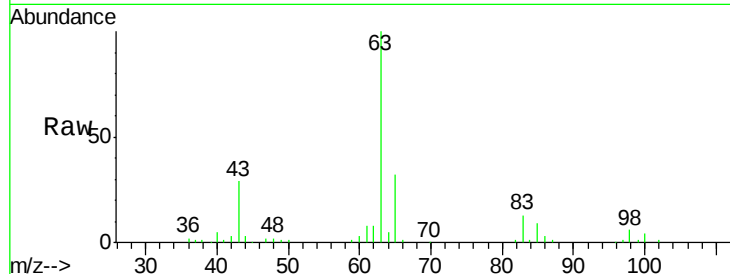
Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0



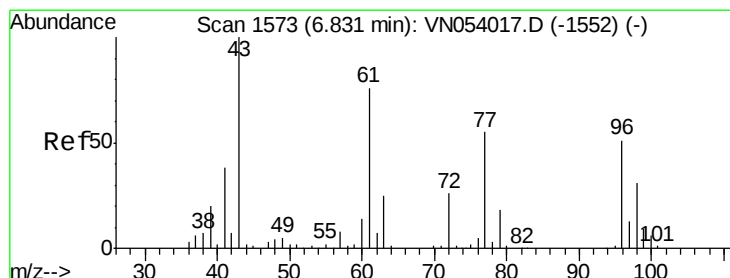
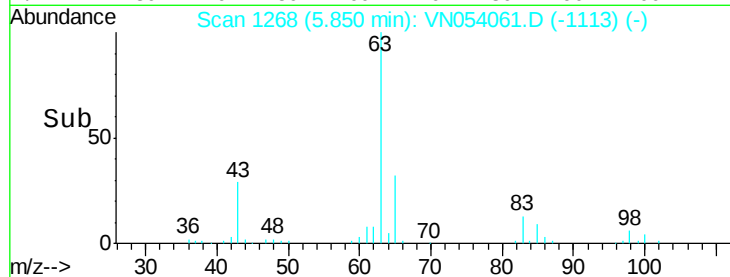
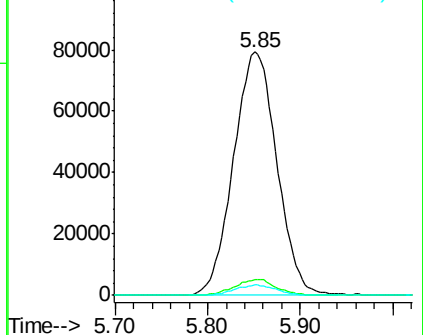


#21
 1,1-Dichloroethane
 Concen: 20.539 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tot Ion	63	Resp	257223
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.0	9.2
100	4.2	1.8	5.5

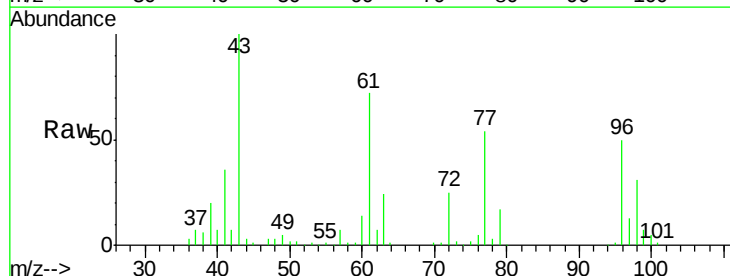


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

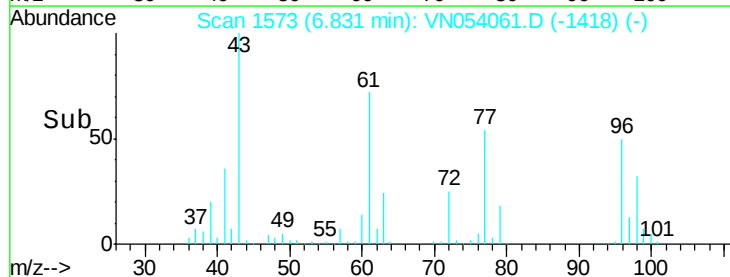
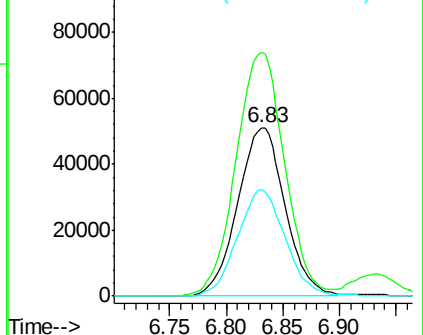


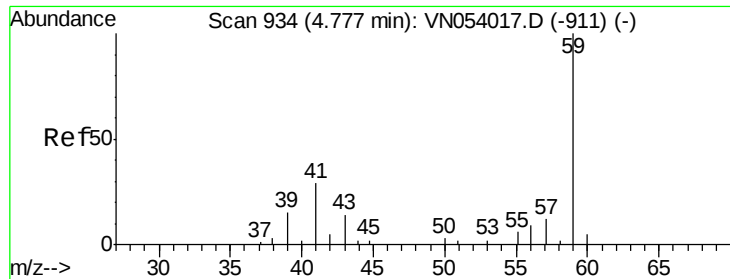
#22
 cis-1,2-Dichloroethene
 Concen: 20.583 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tgt Ion	96	Resp	148999
Ion Ratio	Lower	Upper	
96	100		
61	148.2	116.7	175.1
98	63.4	50.8	76.2



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

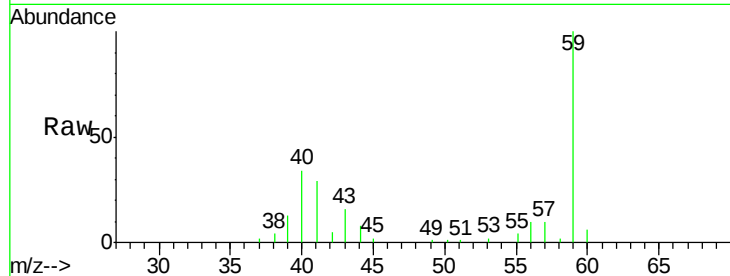




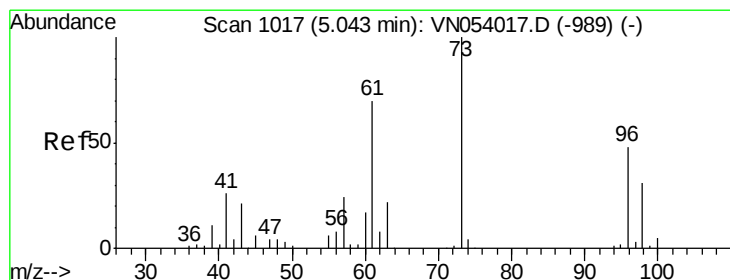
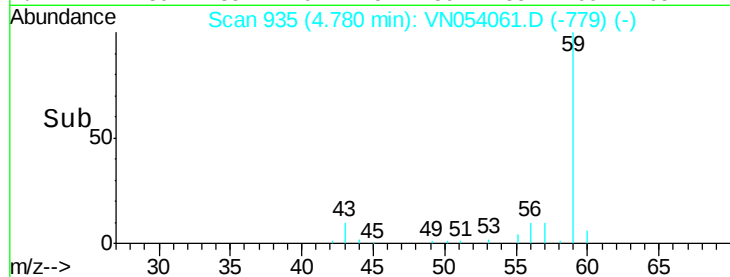
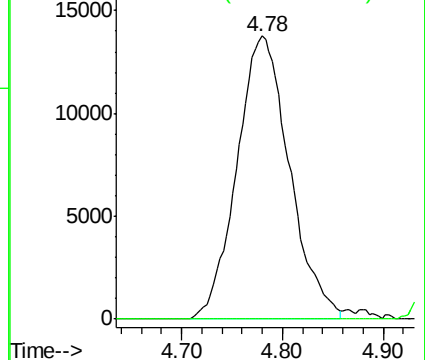
#23

tert-Butyl Alcohol
 Concen: 114.578 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tot Ion: 59 Resp: 49839
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



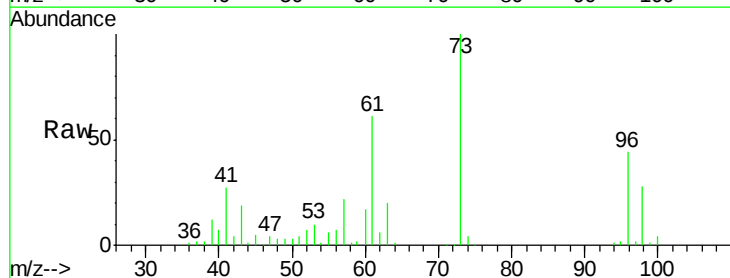
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



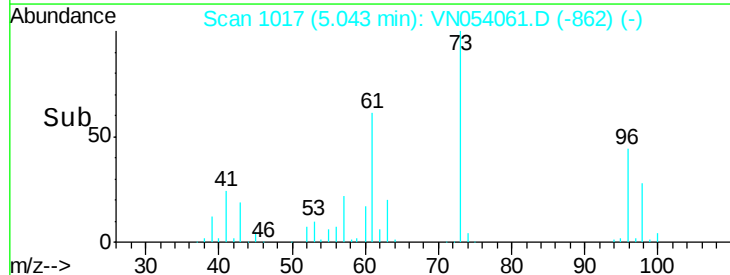
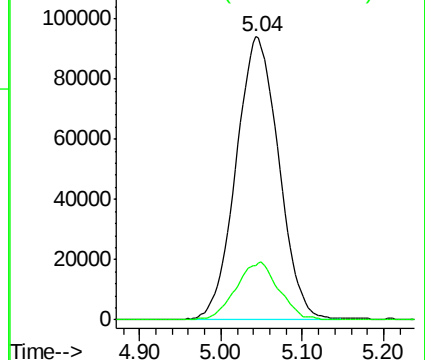
#24

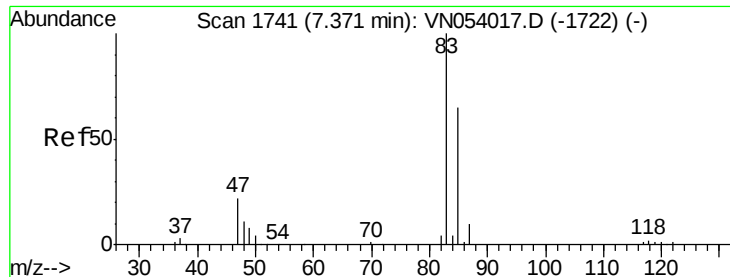
Methyl tert-Butyl Ether
 Concen: 20.977 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tgt Ion: 73 Resp: 340383
 Ion Ratio Lower Upper
 73 100
 43 20.6 15.8 23.8



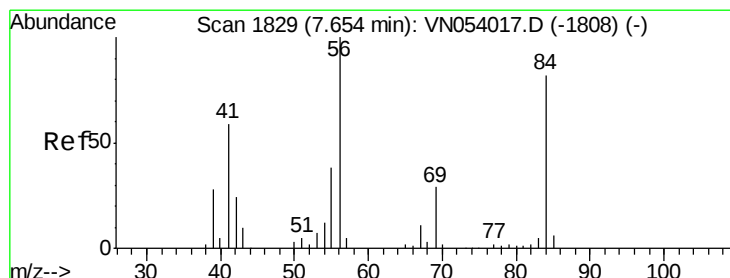
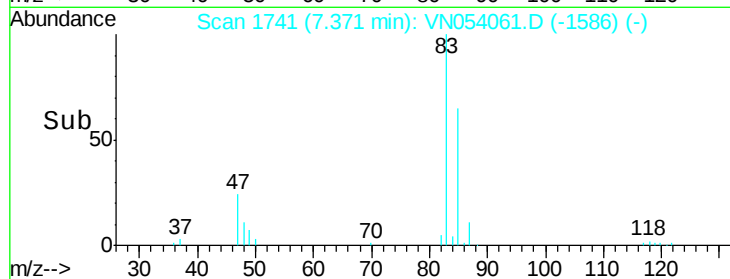
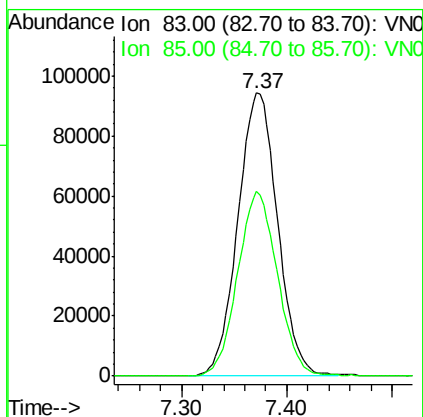
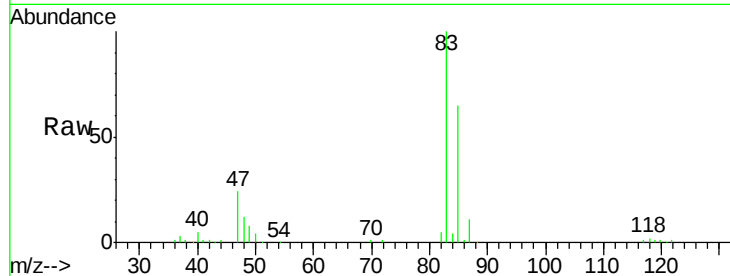
Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0





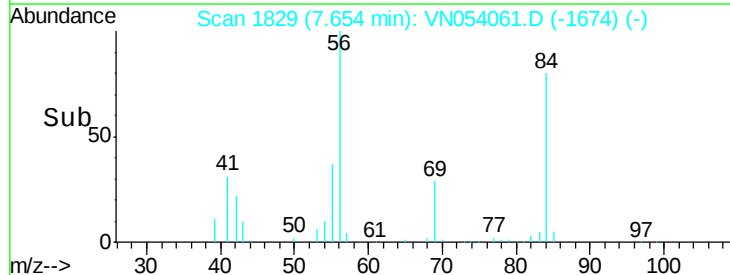
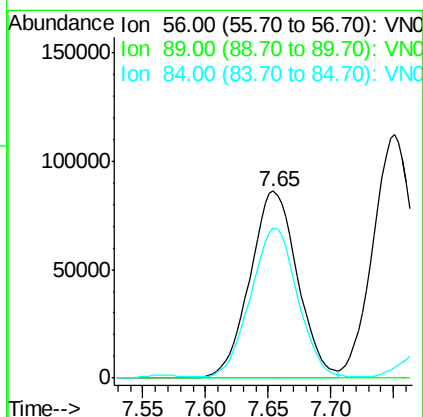
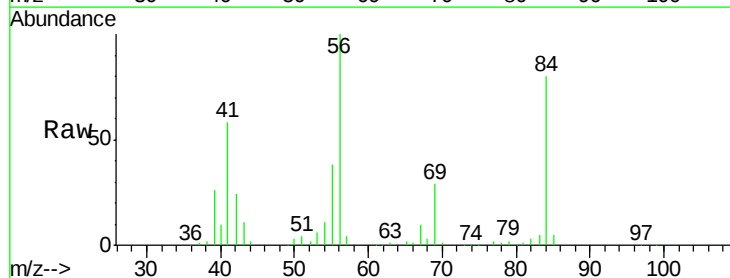
#25
Chloroform
Concen: 20.490 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

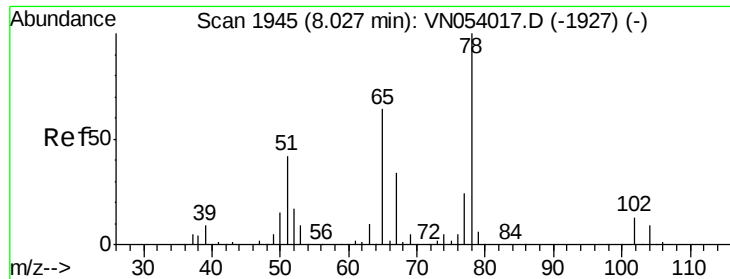
Tot Ion: 83 Resp: 247584
Ion Ratio Lower Upper
83 100
85 65.2 51.7 77.5



#26
Cyclohexane
Concen: 19.930 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion: 56 Resp: 227151
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 80.1 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 19.930 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054061.D

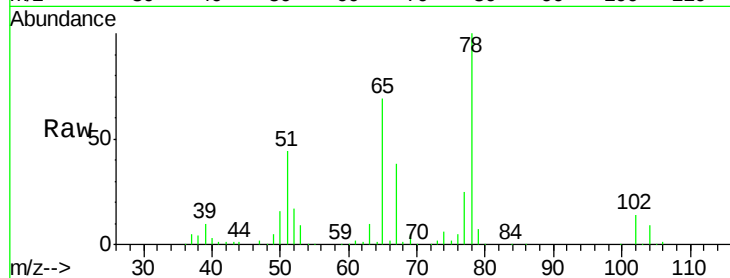
Acq: 4 Mar 2019 12:17

Tot Ion: 65 Resp: 238508

Ion Ratio Lower Upper

65 100

67 54.5 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

100000

80000

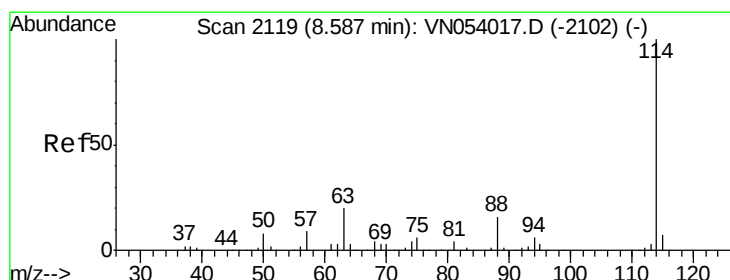
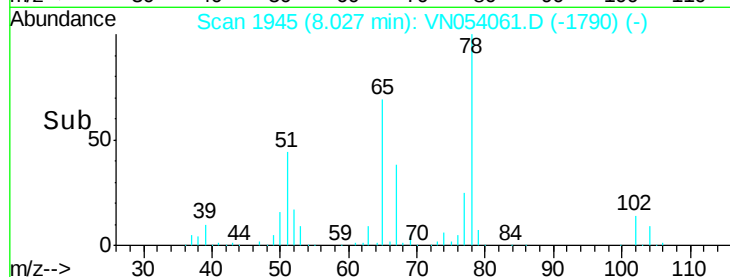
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

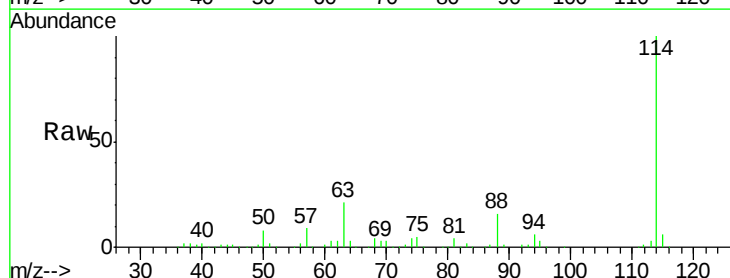
Tgt Ion: 114 Resp: 592303

Ion Ratio Lower Upper

114 100

63 20.5 16.9 25.3

88 14.5 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

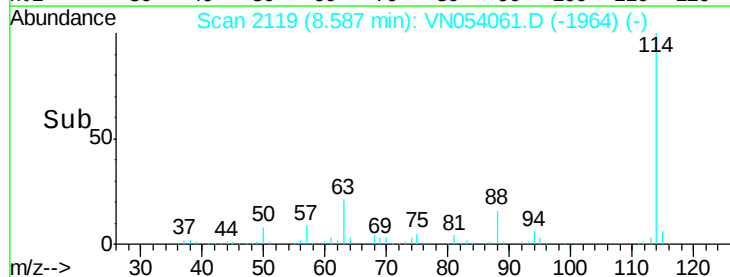
300000

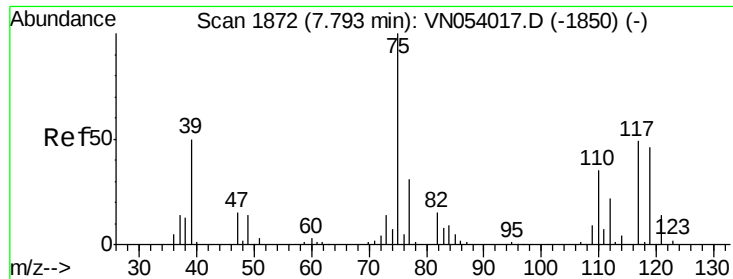
200000

100000

0

Time-->





#29

1,1-Dichloropropene

Concen: 20.082 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

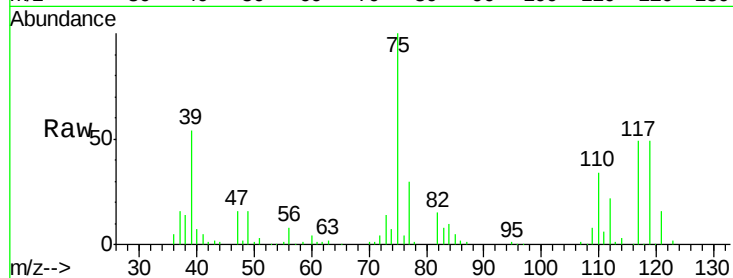
Tot Ion: 75 Resp: 186311

Ion Ratio Lower Upper

75 100

110 34.4 0.0 70.2

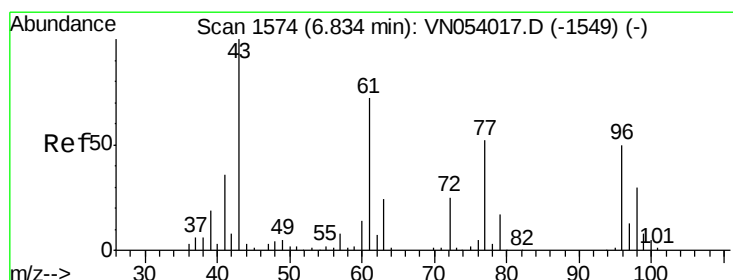
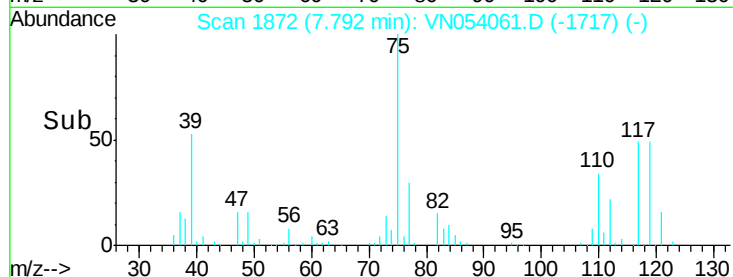
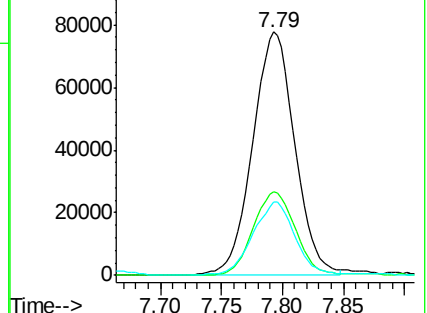
77 30.5 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VN054017.D (-1850) (-)

Ion 110.00 (109.70 to 110.70): VN054017.D (-1850) (-)

Ion 77.00 (76.70 to 77.70): VN054017.D (-1850) (-)



#30

2-Butanone

Concen: 106.763 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

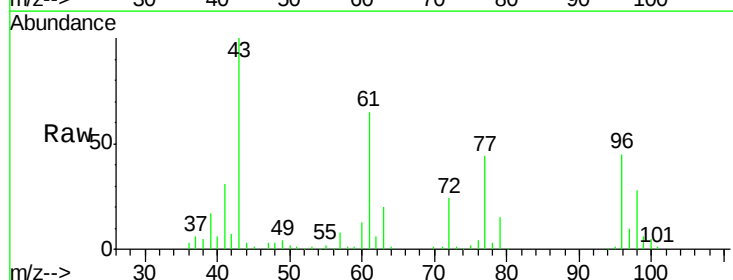
Tgt Ion: 43 Resp: 312745

Ion Ratio Lower Upper

43 100

57 7.7 6.2 9.4

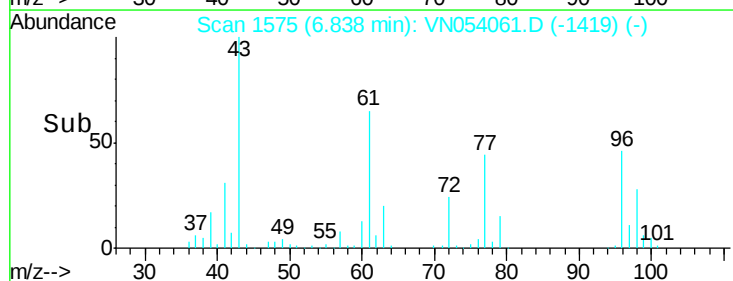
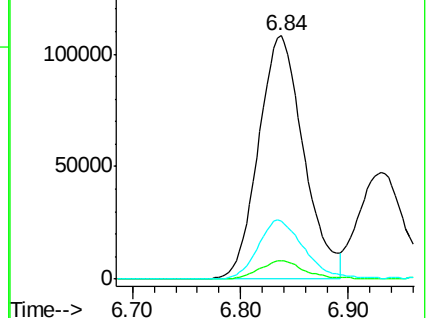
72 24.8 21.0 31.6

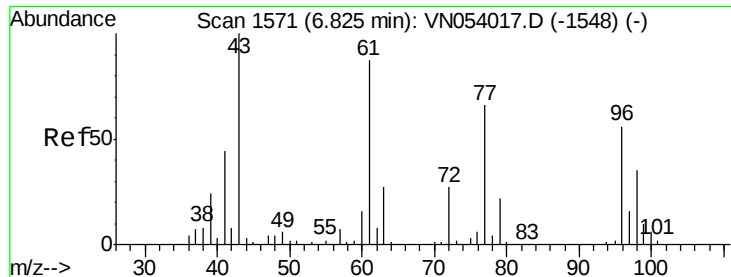


Abundance Ion 43.00 (42.70 to 43.70): VN054017.D (-1549) (-)

Ion 57.00 (56.70 to 57.70): VN054017.D (-1549) (-)

Ion 72.00 (71.70 to 72.70): VN054017.D (-1549) (-)





#31

2,2-Dichloropropane

Concen: 19.658 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054061.D

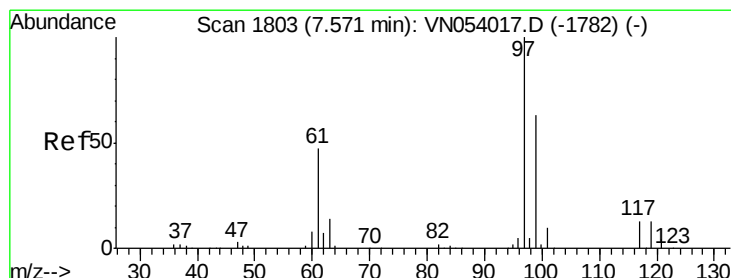
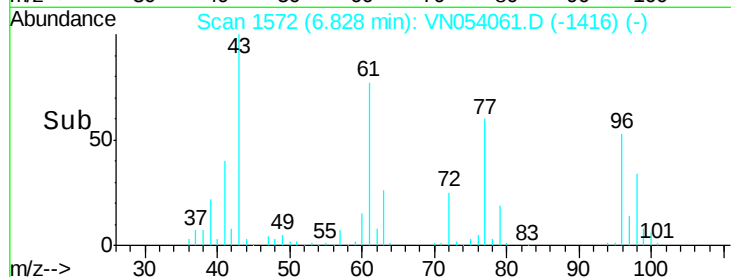
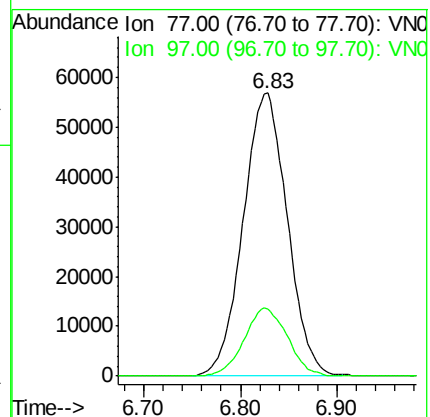
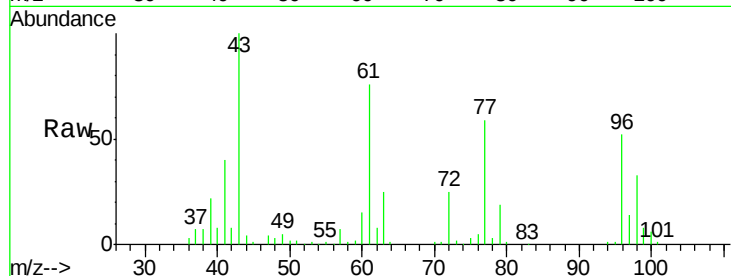
Acq: 4 Mar 2019 12:17

Tot Ion: 77 Resp: 179840

Ion Ratio Lower Upper

77 100

97 23.6 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 20.612 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

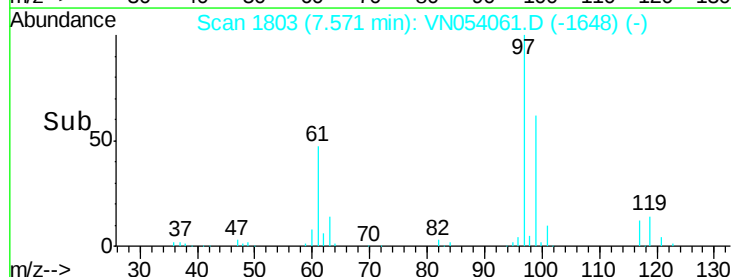
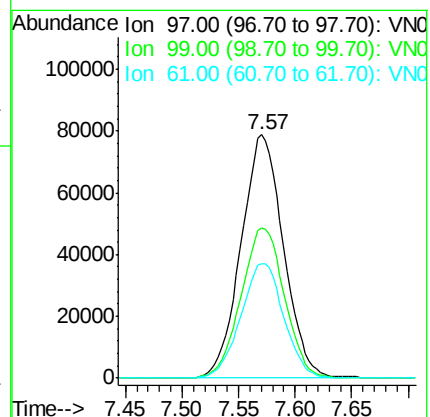
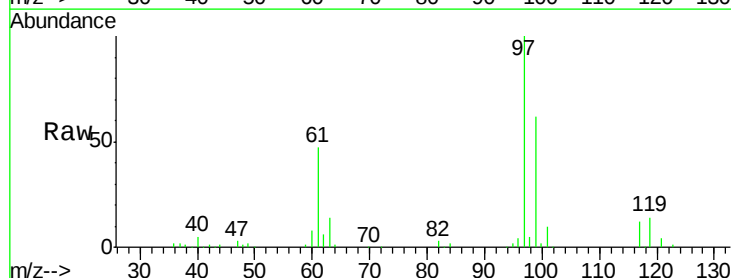
Tgt Ion: 97 Resp: 205686

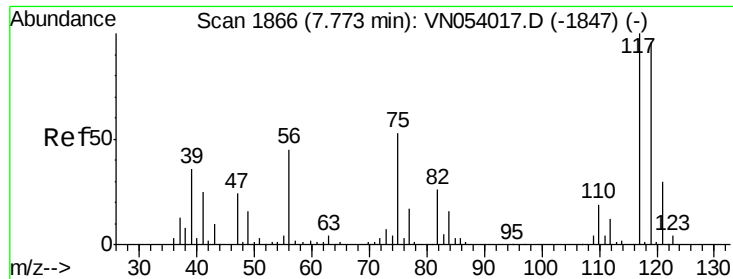
Ion Ratio Lower Upper

97 100

99 63.1 50.9 76.3

61 47.7 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.030 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

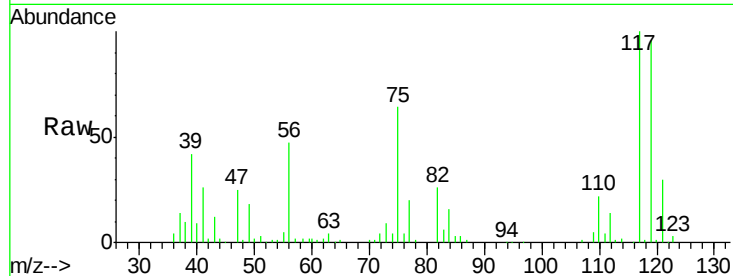
Tot Ion:117 Resp: 176979

Ion Ratio Lower Upper

117 100

119 95.6 77.3 115.9

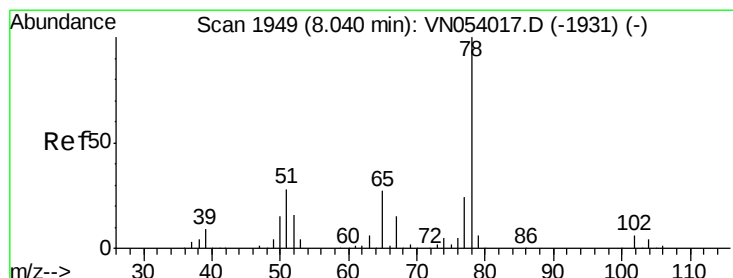
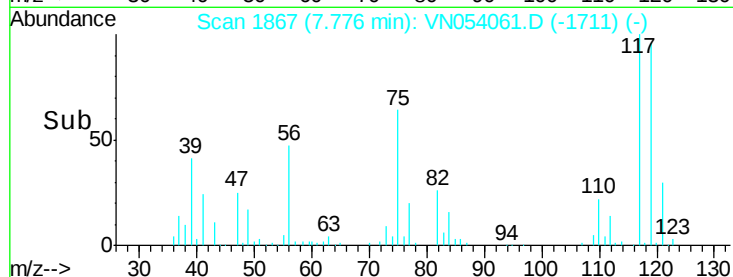
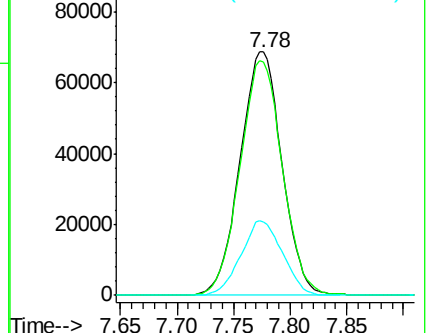
121 30.3 24.9 37.3



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: 20.869 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

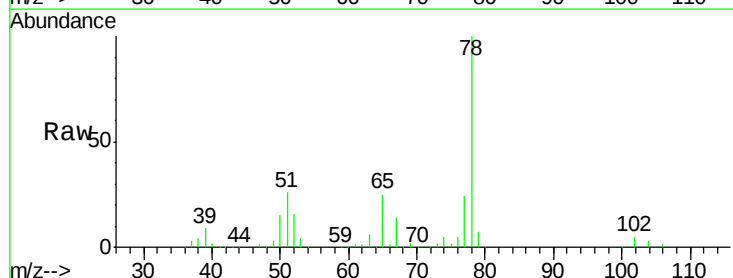
Tgt Ion: 78 Resp: 575405

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6

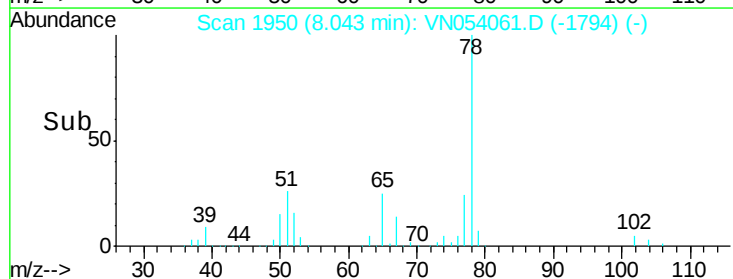
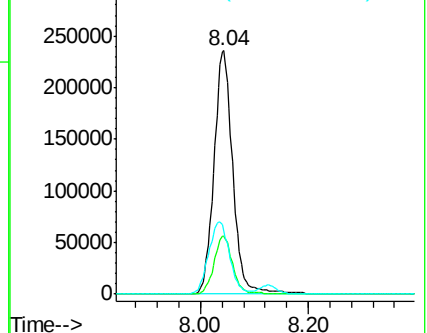
51 26.1 20.5 30.7

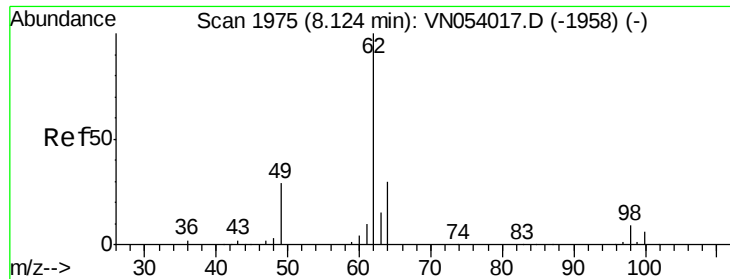


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





#36

1,2-Dichloroethane

Concen: 20.704 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054061.D

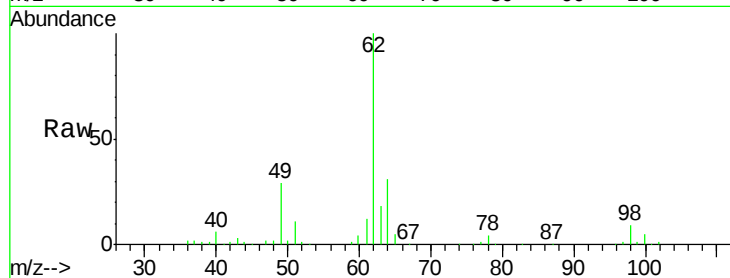
Acq: 4 Mar 2019 12:17

Tot Ion: 62 Resp: 183316

Ion Ratio Lower Upper

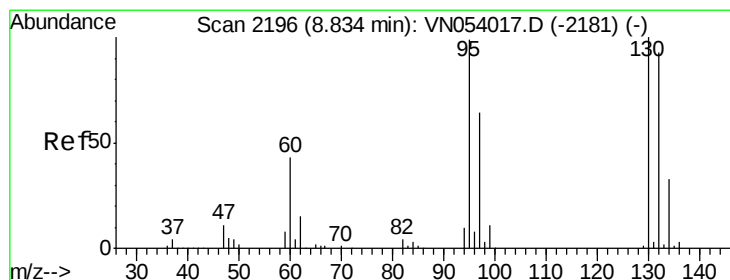
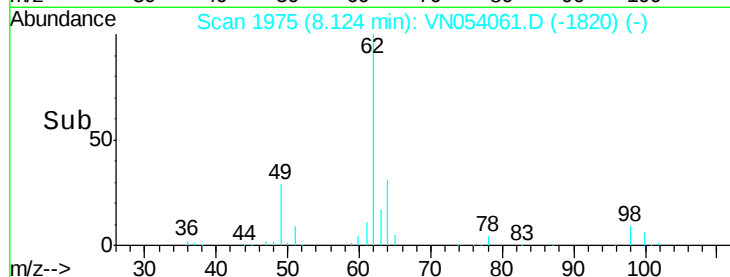
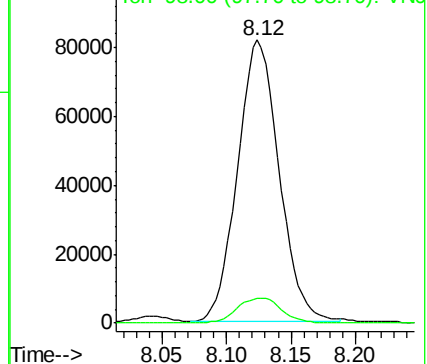
62 100

98 9.6 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: 20.716 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054061.D

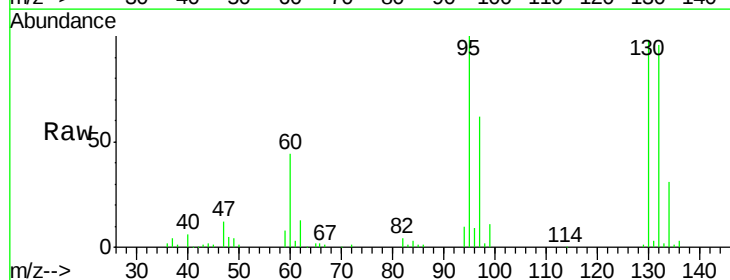
Acq: 4 Mar 2019 12:17

Tgt Ion:130 Resp: 149106

Ion Ratio Lower Upper

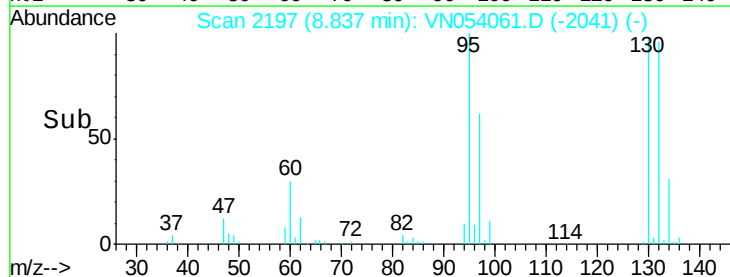
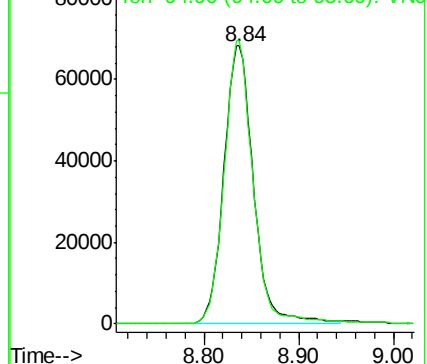
130 100

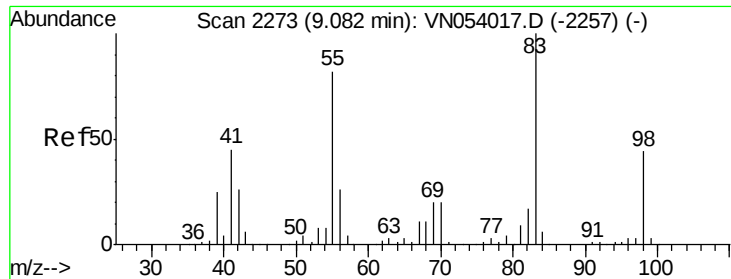
95 101.8 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

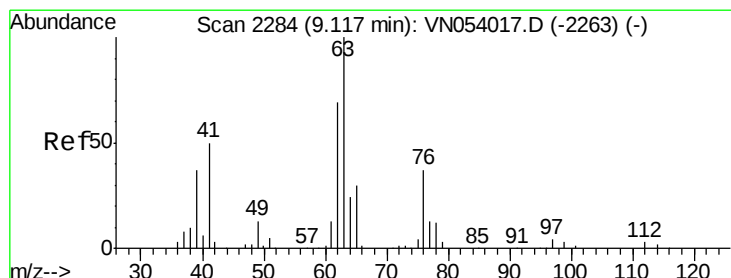
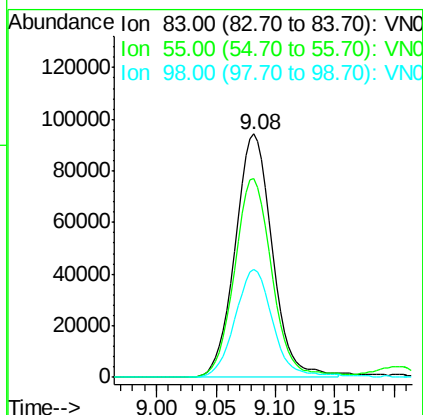
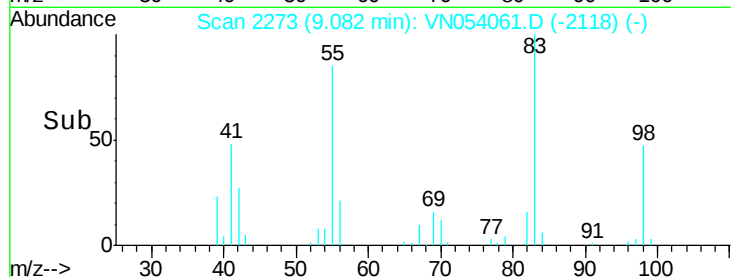
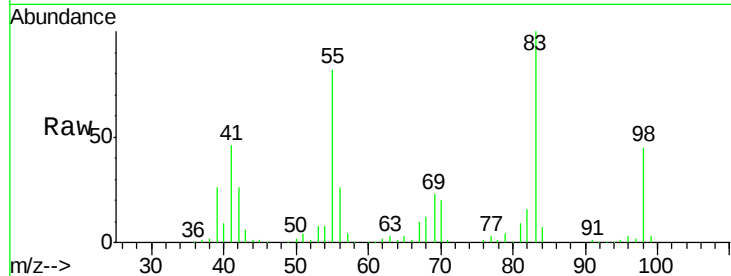
Ion 94.90 (94.60 to 95.60): VN0





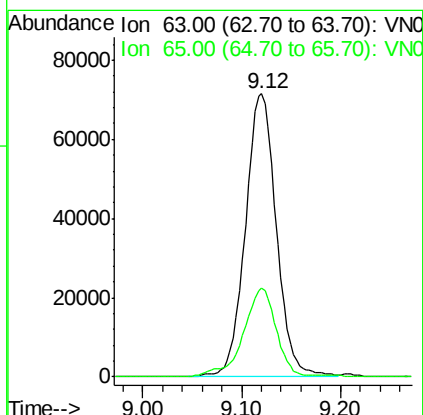
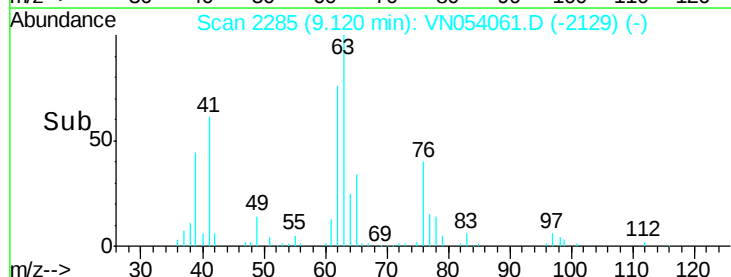
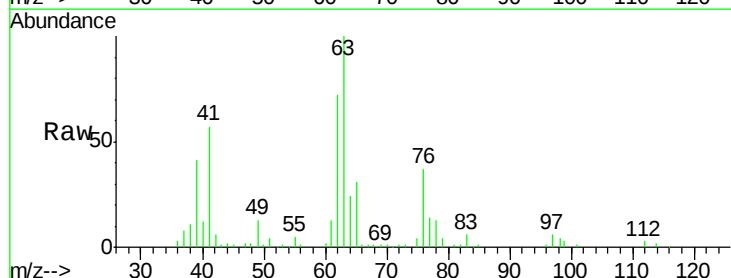
#38
Methvlcvclohexane
Concen: 18.667 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

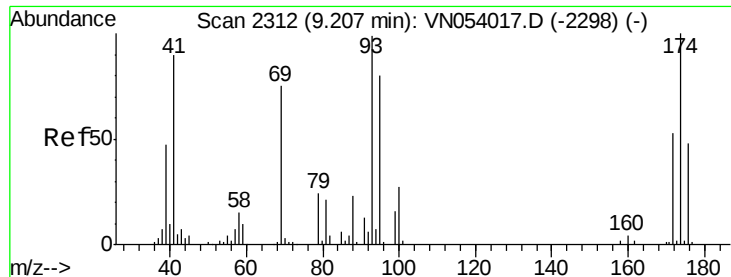
Tot Ion: 83 Resp: 204410
Ion Ratio Lower Upper
83 100
55 81.7 39.8 119.4
98 44.6 22.9 68.5



#39
1,2-Dichloropropane
Concen: 20.559 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion: 63 Resp: 155297
Ion Ratio Lower Upper
63 100
65 31.5 23.6 35.4





#40

Dibromomethane

Concen: 20.911 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

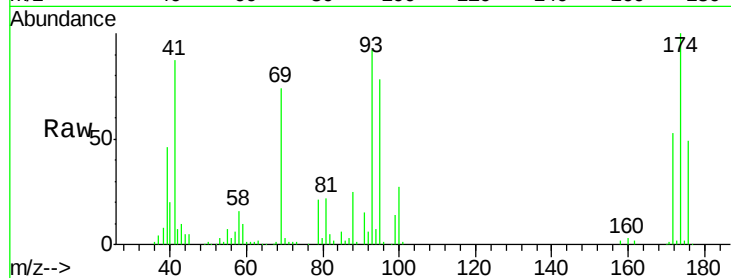
Tot Ion: 93 Resp: 90549

Ion Ratio Lower Upper

93 100

95 84.3 0.0 168.4

174 104.7 0.0 210.0

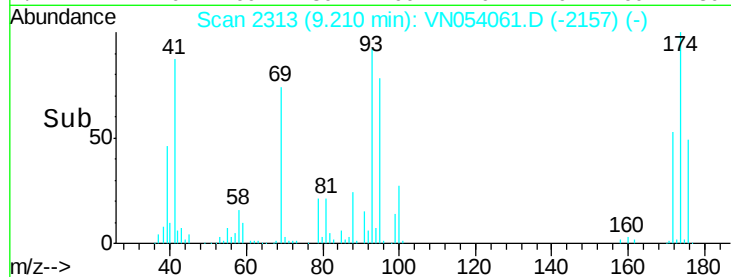


Abundance Ion 93.00 (92.70 to 93.70): VN054061.D (-2217) (-)

Ion 95.00 (94.70 to 95.70): VN054061.D (-2217) (-)

Ion 174.00 (173.70 to 174.70): VN054061.D (-2217) (-)

Time--> 9.10 9.15 9.20 9.25 9.30

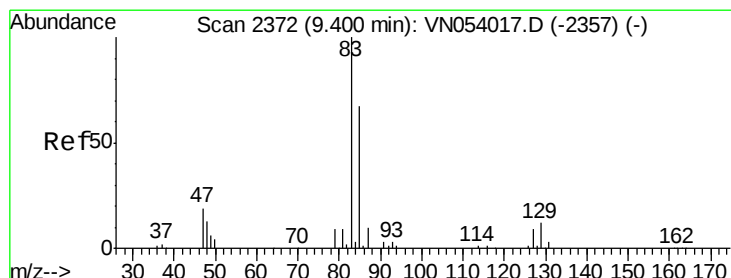


Abundance Ion 93.00 (92.70 to 93.70): VN054061.D (-2217) (-)

Ion 95.00 (94.70 to 95.70): VN054061.D (-2217) (-)

Ion 174.00 (173.70 to 174.70): VN054061.D (-2217) (-)

Time--> 9.10 9.15 9.20 9.25 9.30



#41

Bromodichloromethane

Concen: 20.650 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

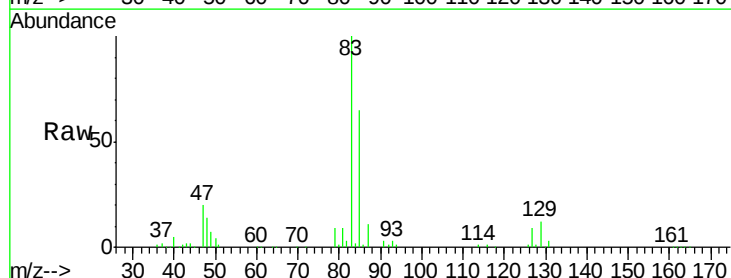
Tgt Ion: 83 Resp: 189728

Ion Ratio Lower Upper

83 100

85 64.9 52.4 78.6

127 8.6 6.6 9.8

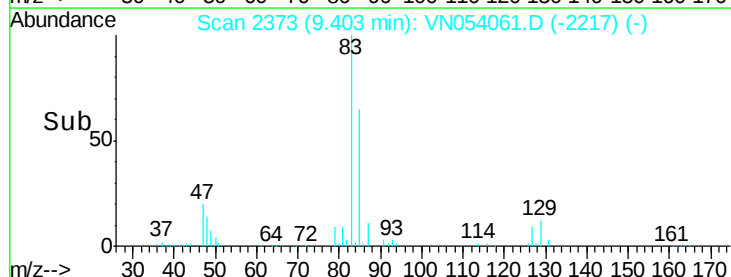


Abundance Ion 83.00 (82.70 to 83.70): VN054061.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN054061.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN054061.D (-2217) (-)

Time--> 9.30 9.35 9.40 9.45 9.50

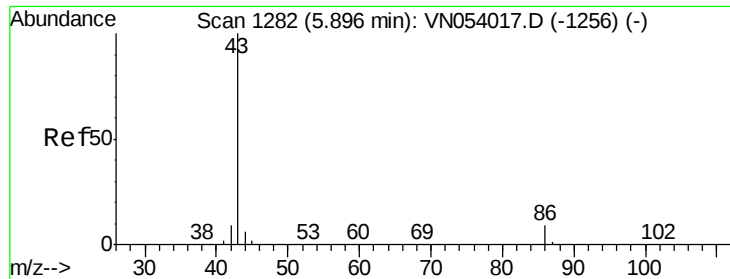


Abundance Ion 83.00 (82.70 to 83.70): VN054061.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN054061.D (-2217) (-)

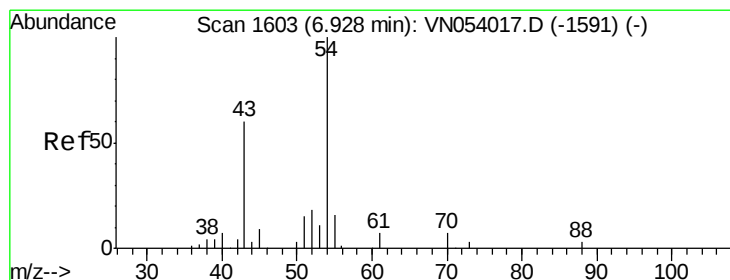
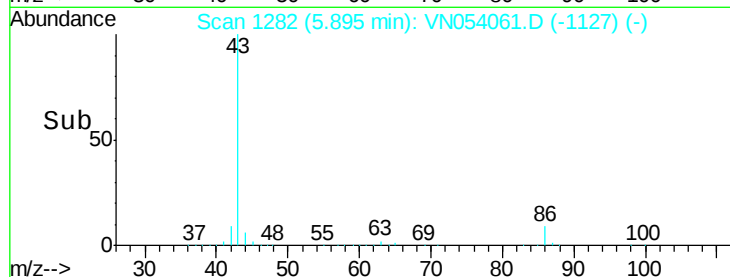
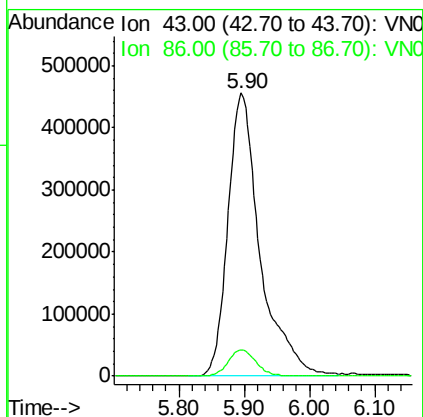
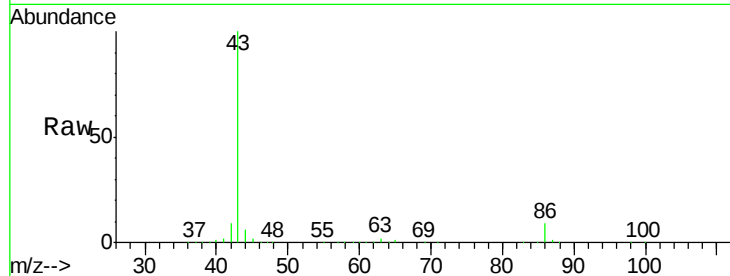
Ion 127.00 (126.70 to 127.70): VN054061.D (-2217) (-)

Time--> 9.30 9.35 9.40 9.45 9.50



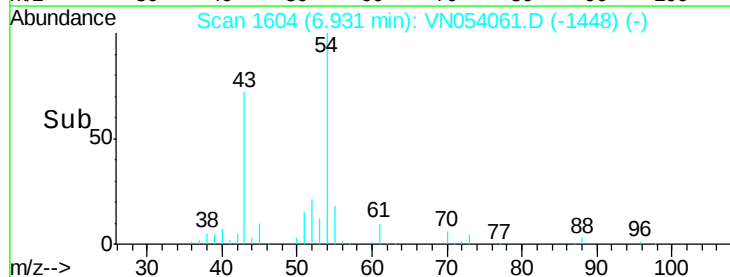
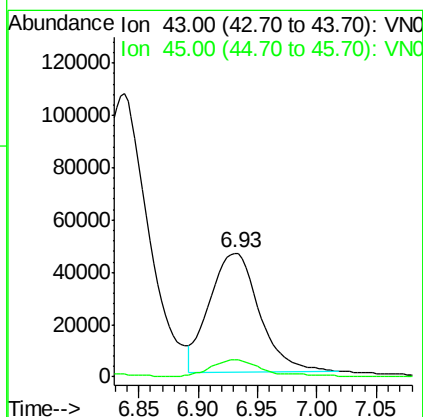
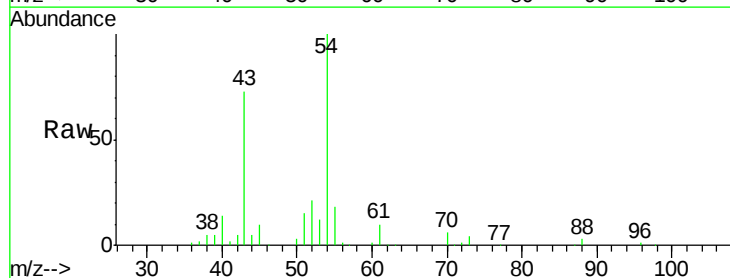
#42
 Vinyl Acetate
 Concen: 103.223 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

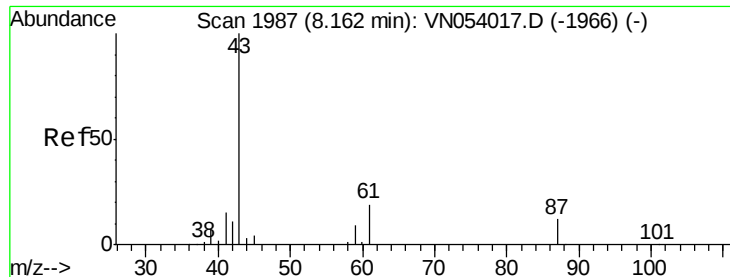
Tot Ion: 43 Resp: 1562130
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.5 9.7



#43
 Ethyl Acetate
 Concen: 21.785 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tgt Ion: 43 Resp: 133667
 Ion Ratio Lower Upper
 43 100
 45 13.0 1.0 1.6#





#44

Isopropyl Acetate

Concen: 21.658 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN054061.D

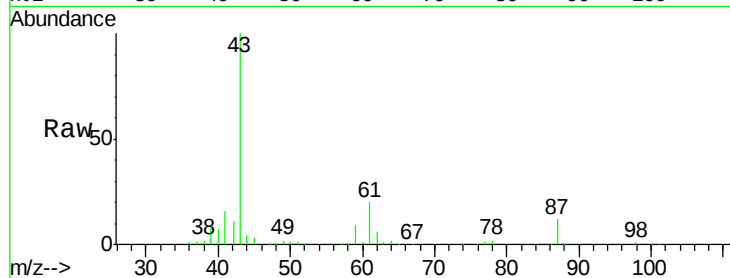
Acq: 4 Mar 2019 12:17

Tot Ion: 43 Resp: 233181

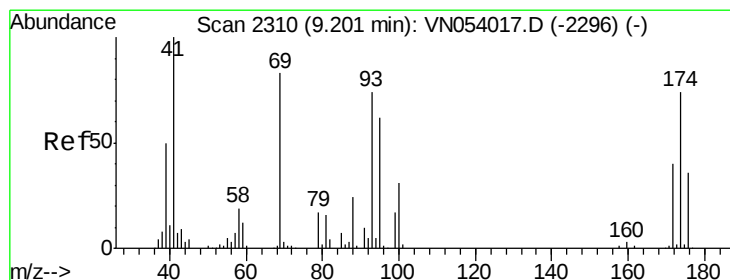
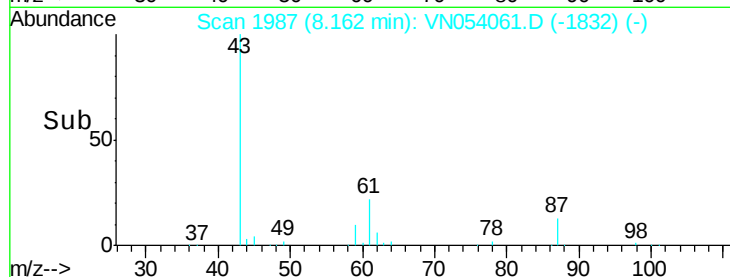
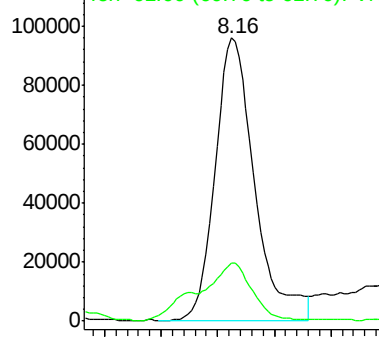
Ion Ratio Lower Upper

43 100

61 17.5 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO



#45

1,4-Dioxane

Concen: 474.160 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

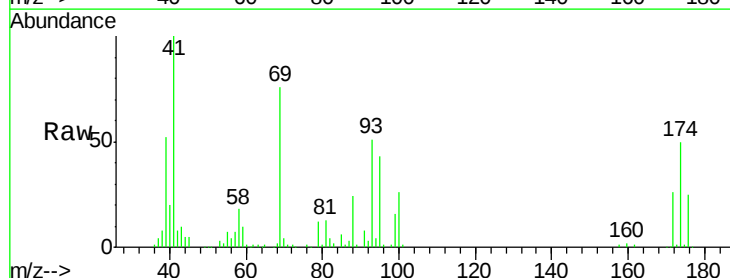
Tgt Ion: 88 Resp: 30178

Ion Ratio Lower Upper

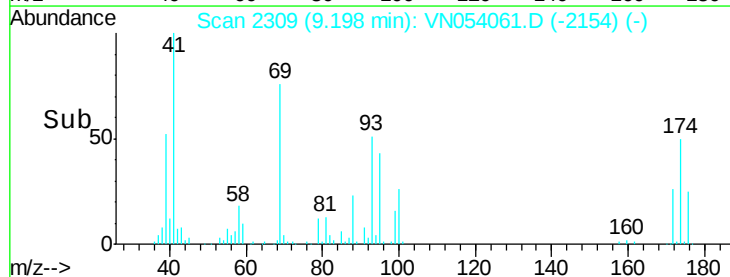
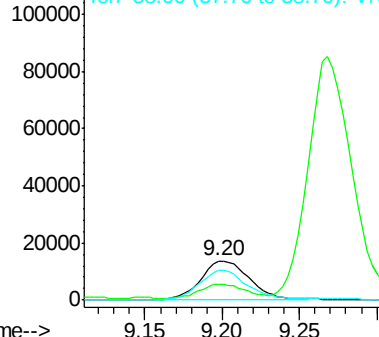
88 100

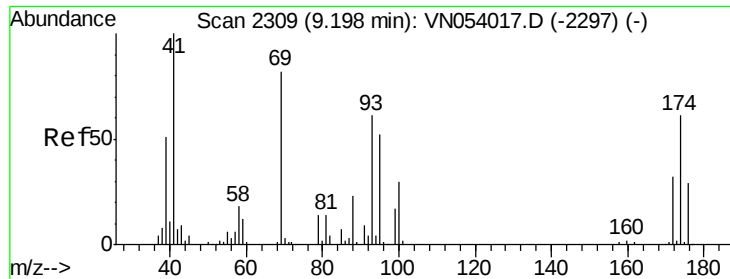
43 32.7 29.5 44.3

58 75.3 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#46

Methyl methacrylate

Concen: 20.575 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

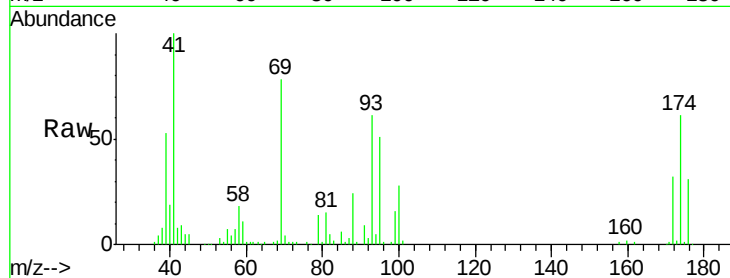
Tot Ion: 41 Resp: 106404

Ion Ratio Lower Upper

41 100

69 80.3 42.5 127.6

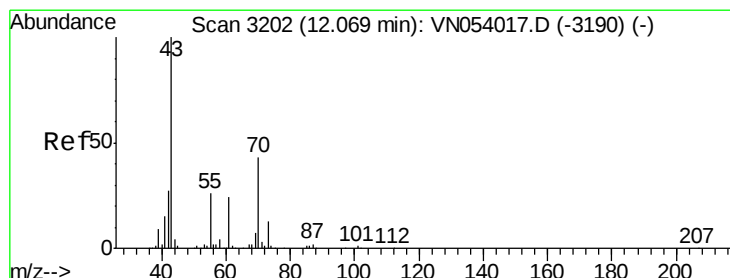
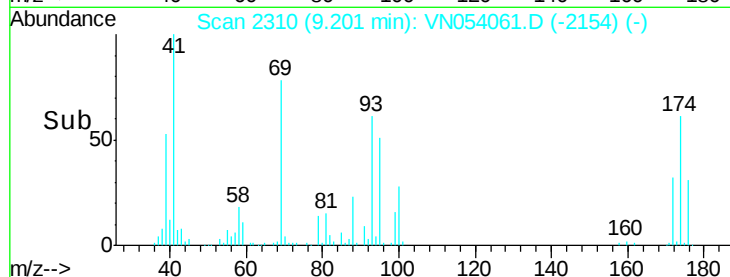
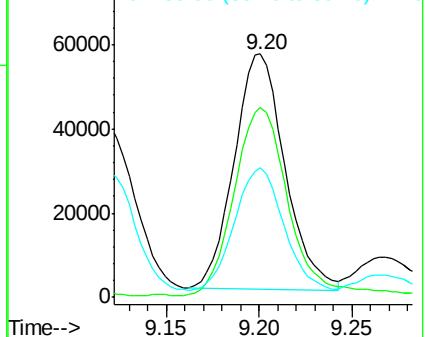
39 52.4 26.3 78.9



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-ethyl Acetate

Concen: 20.613 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054061.D

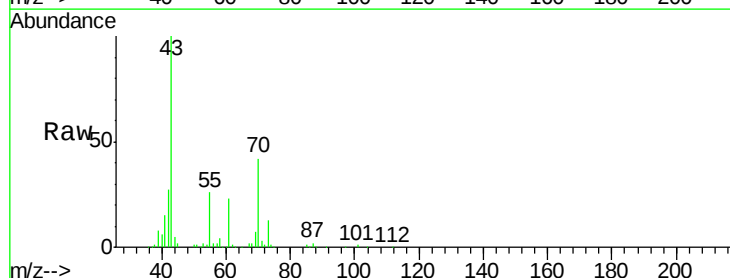
Acq: 4 Mar 2019 12:17

Tgt Ion: 43 Resp: 163023

Ion Ratio Lower Upper

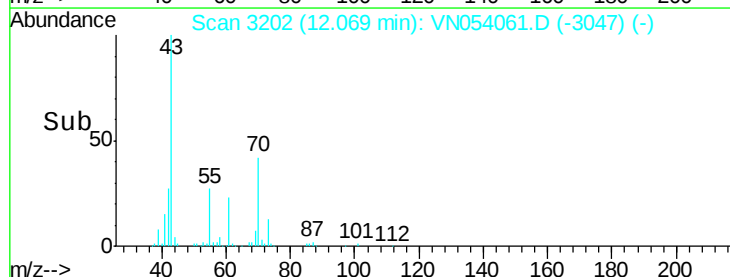
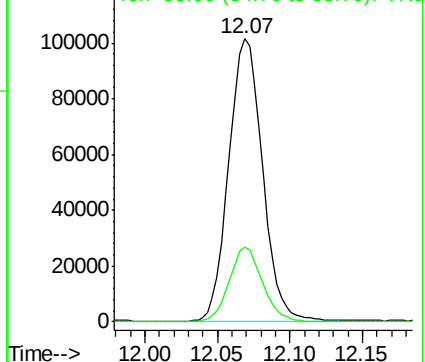
43 100

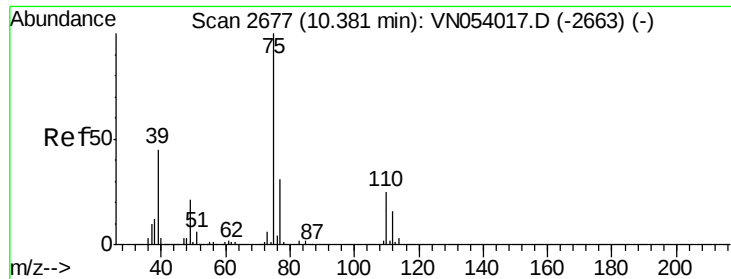
55 26.4 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 19.591 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054061.D

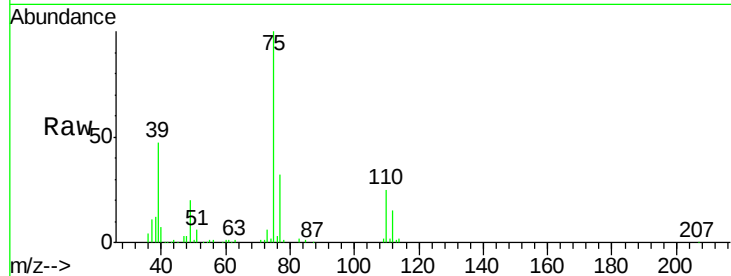
Acq: 4 Mar 2019 12:17

Tot Ion: 75 Resp: 180475

Ion Ratio Lower Upper

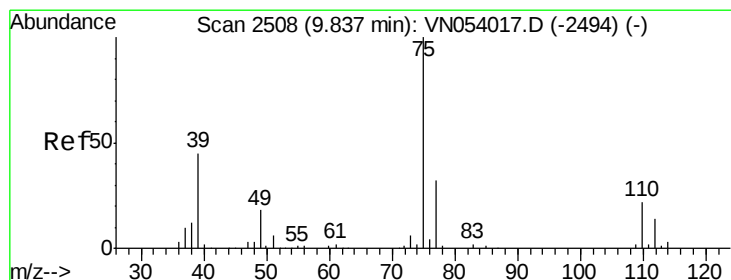
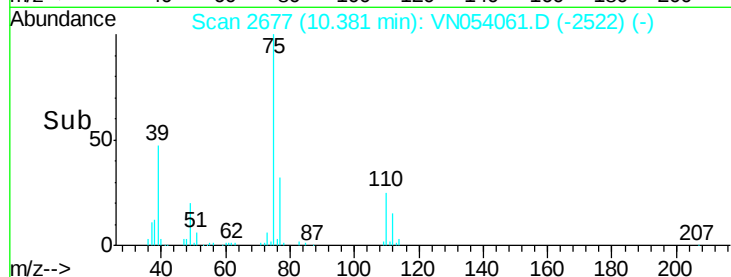
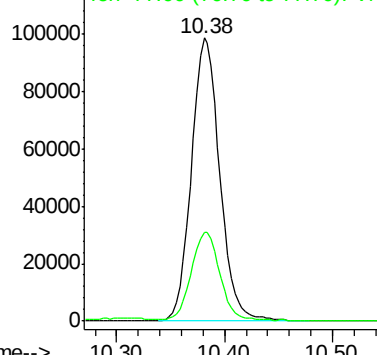
75 100

77 31.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#49

cis-1,3-Dichloropropene

Concen: 19.824 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

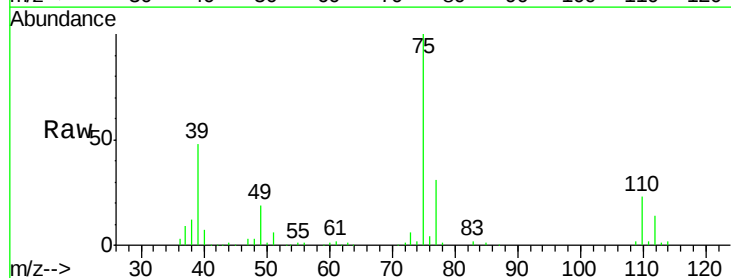
Tgt Ion: 75 Resp: 214443

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

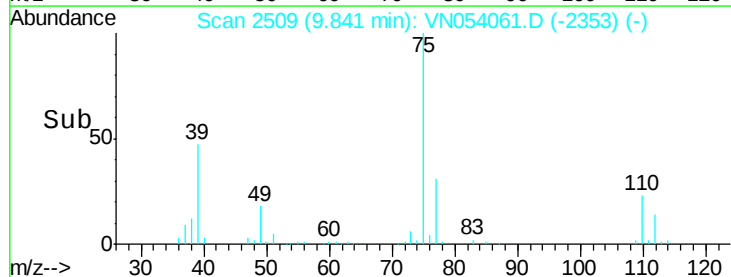
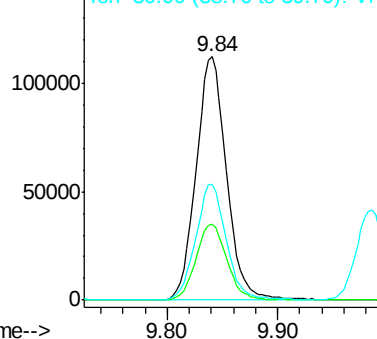
39 47.5 37.3 55.9

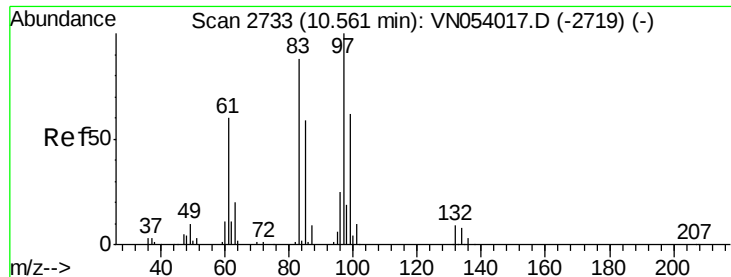


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

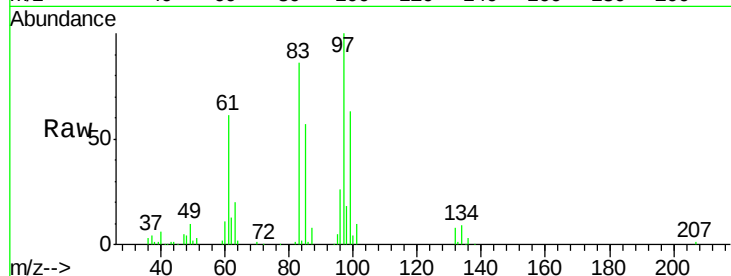




#50
 1,1,2-Trichloroethane
 Concen: 20.460 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tot Ion: 97 Resp: 124281

Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.4	105.6
85	57.0	45.0	67.6
99	62.8	50.2	75.2

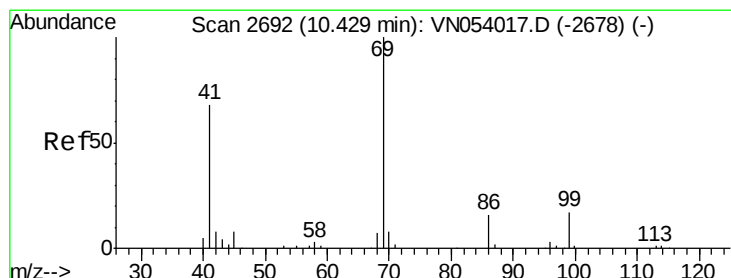
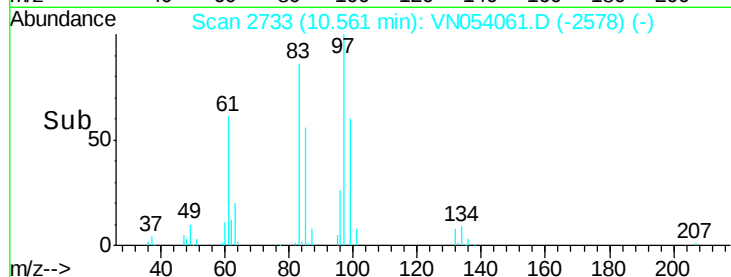
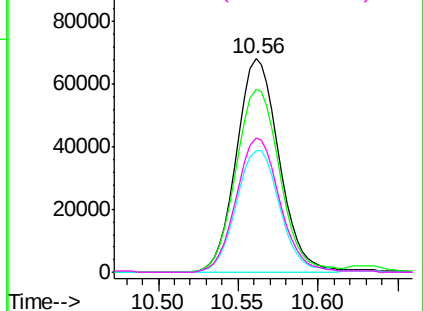


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

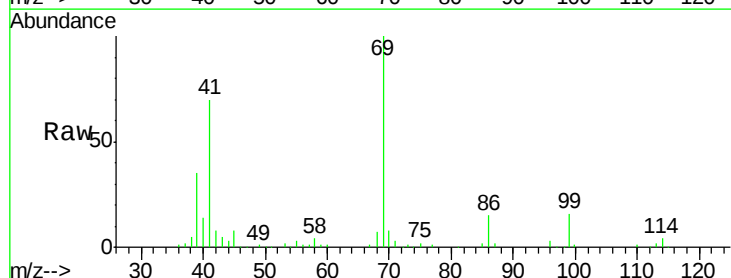
Ion 98.95 (98.65 to 99.65): VN0



#51
 Ethyl methacrylate
 Concen: 19.858 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tgt Ion: 69 Resp: 145205

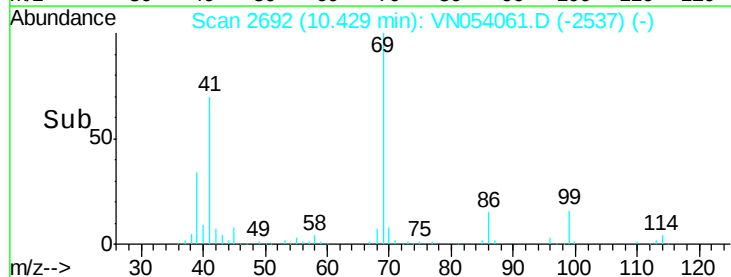
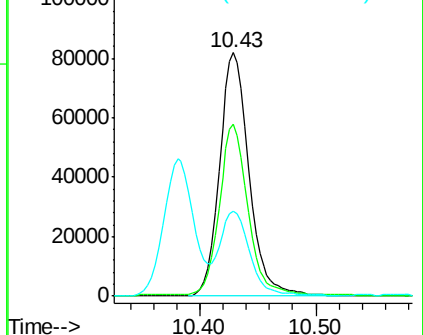
Ion	Ratio	Lower	Upper
69	100		
41	69.9	34.4	103.3
39	34.4	16.4	49.2

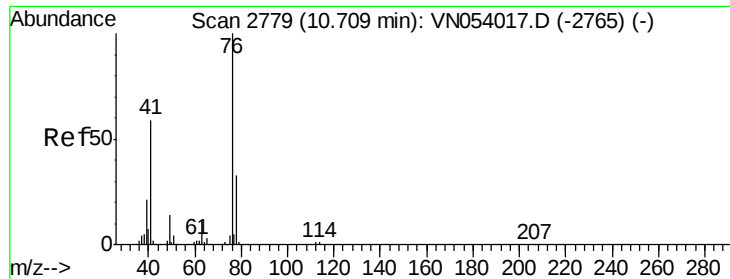


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#52

1,3-Dichloropropane

Concen: 20.814 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054061.D

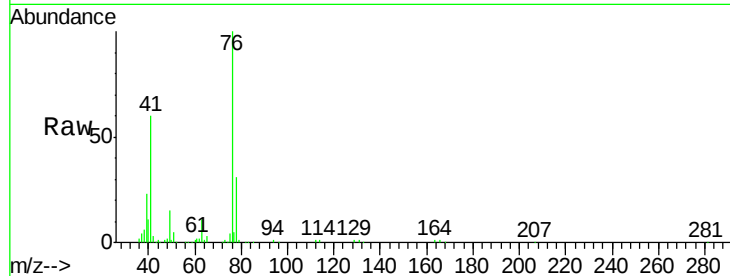
Acq: 4 Mar 2019 12:17

Tot Ion: 76 Resp: 216990

Ion Ratio Lower Upper

76 100

78 31.7 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

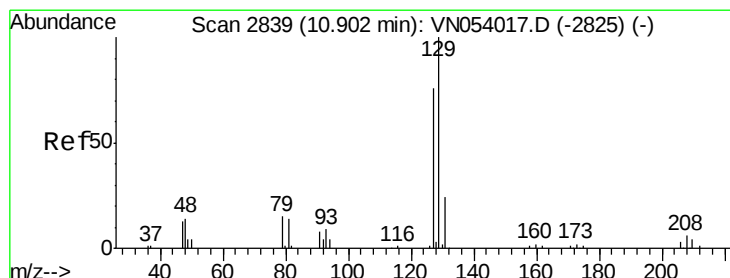
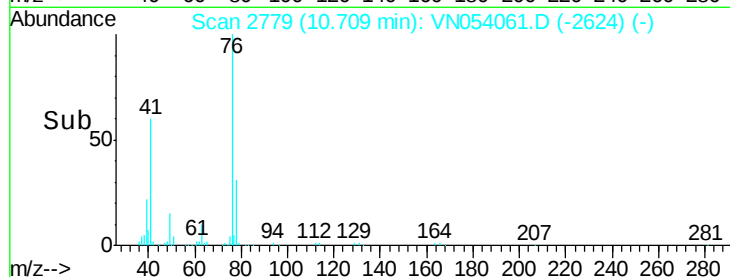
10.71

100000

50000

0

Time--> 10.60 10.70 10.80



#53

Dibromochloromethane

Concen: 20.059 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054061.D

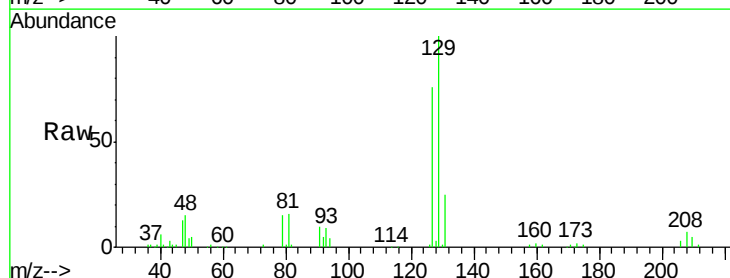
Acq: 4 Mar 2019 12:17

Tgt Ion: 129 Resp: 133887

Ion Ratio Lower Upper

129 100

127 77.3 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

80000

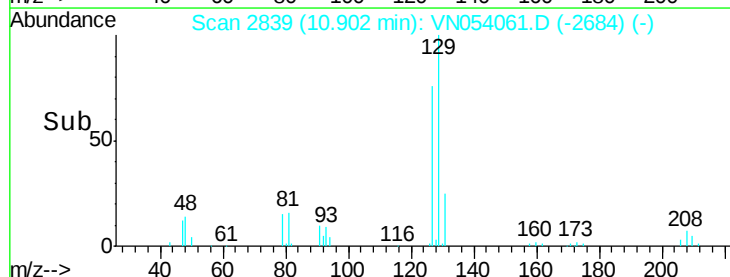
60000

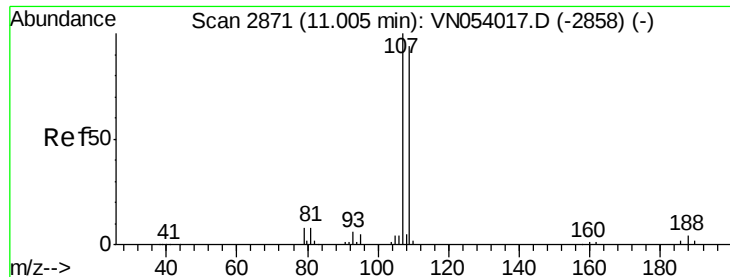
40000

20000

0

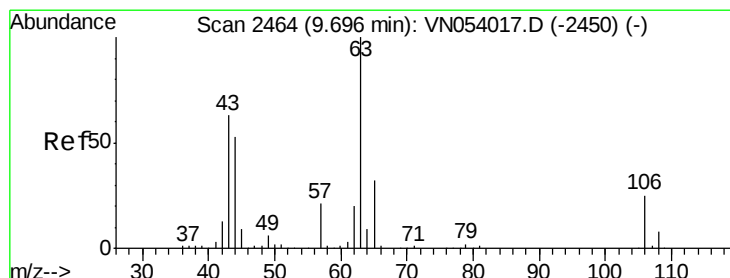
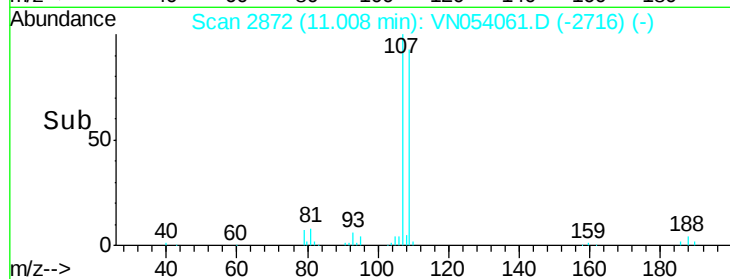
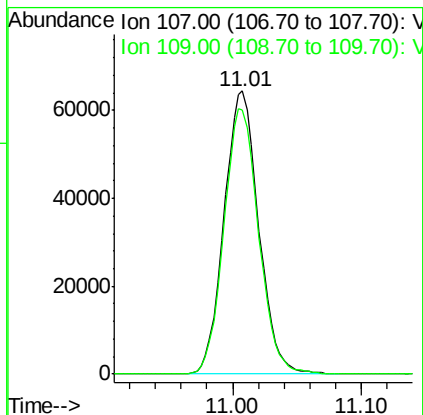
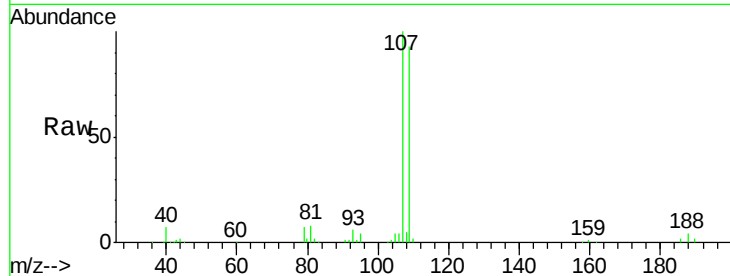
Time--> 10.90 11.00





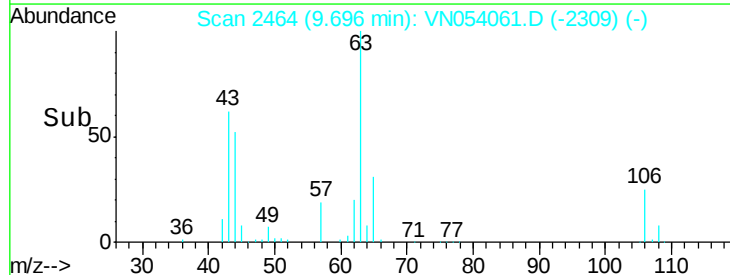
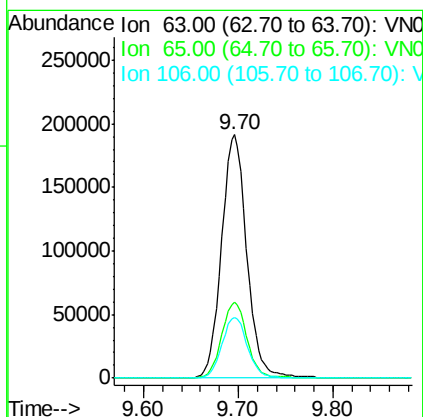
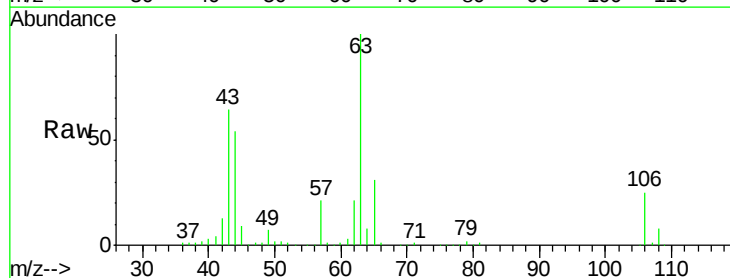
#54
 1,2-Dibromoethane
 Concen: 20.677 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

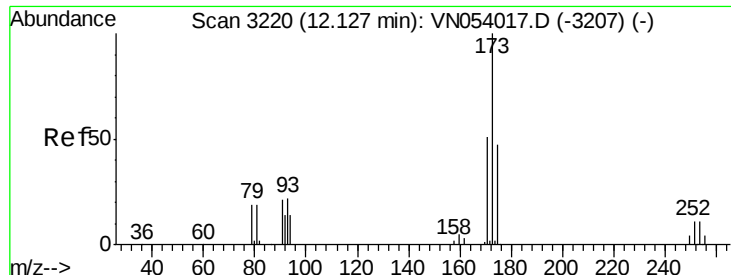
Tot Ion:107 Resp: 119641
 Ion Ratio Lower Upper
 107 100
 109 94.5 77.1 115.7



#55
 2-Chloroethyl vinyl ether
 Concen: 104.749 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

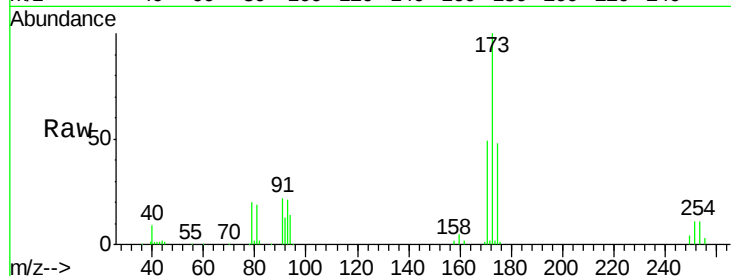
Tgt Ion: 63 Resp: 355452
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.2
 106 25.2 20.4 30.6



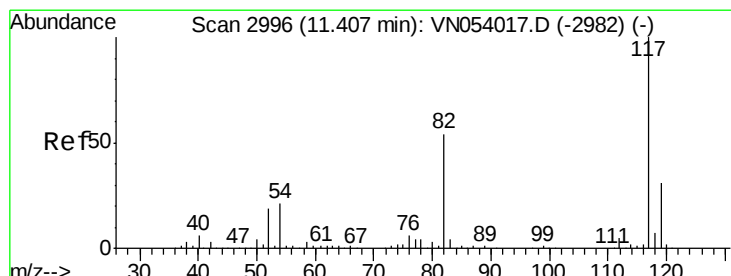
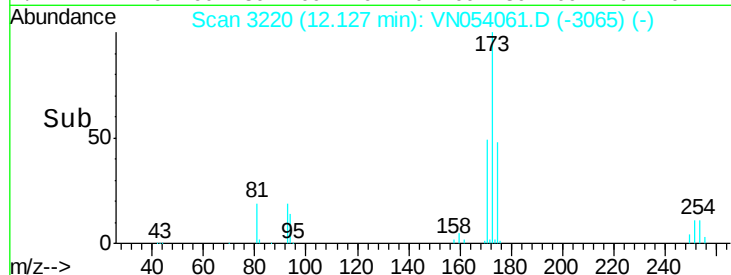
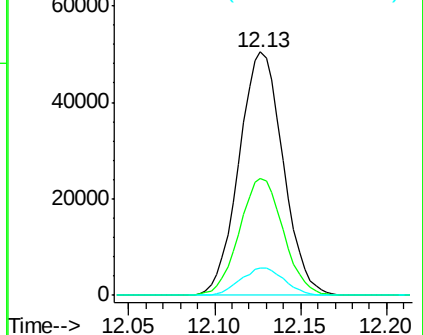


#56
Bromoform
Concen: 20.300 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tot Ion:173 Resp: 89966
Ion Ratio Lower Upper
173 100
175 47.7 38.7 58.1
254 11.1 8.4 12.6

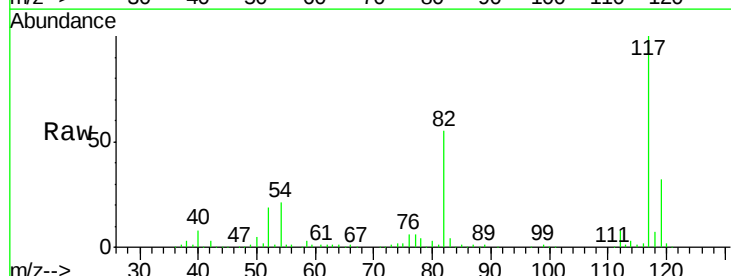


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

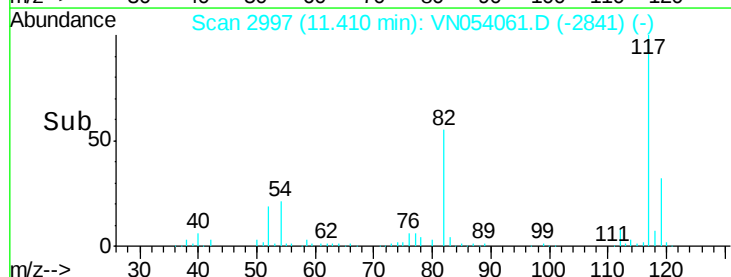
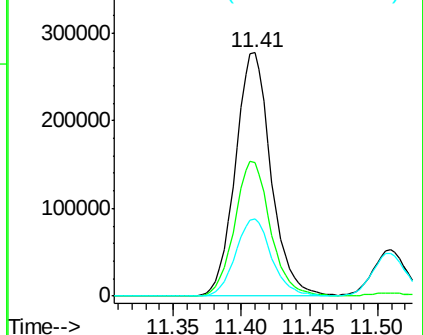


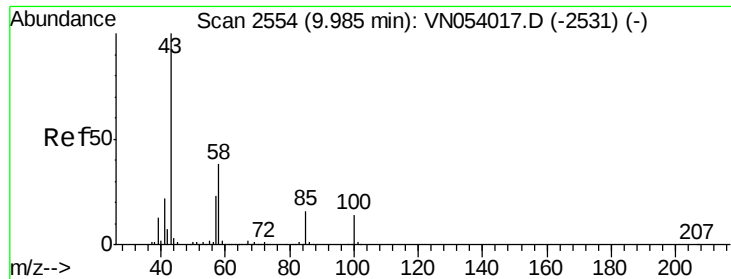
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion:117 Resp: 504127
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.1 25.4 38.2



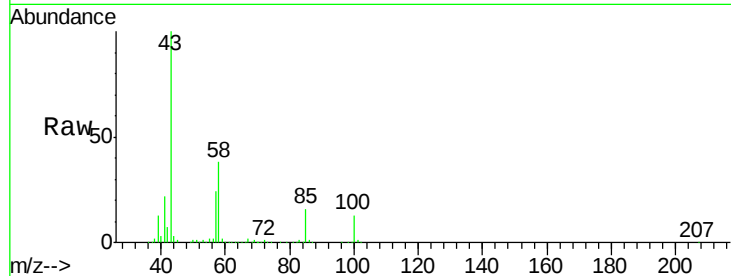
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



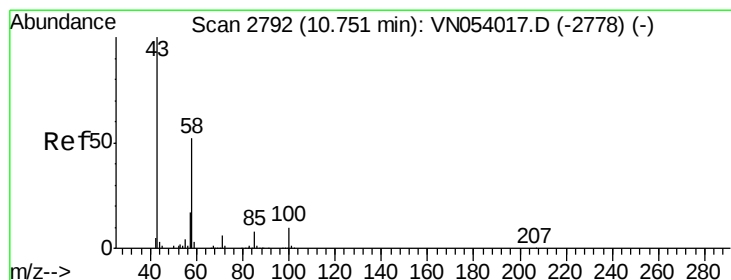
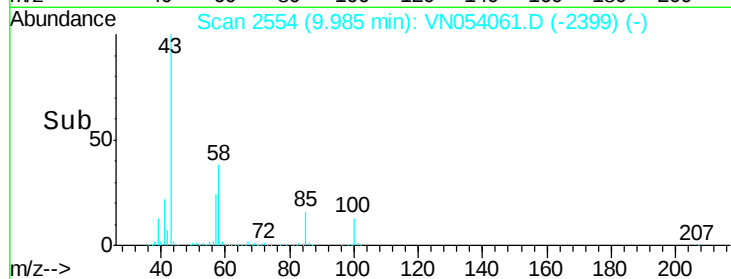
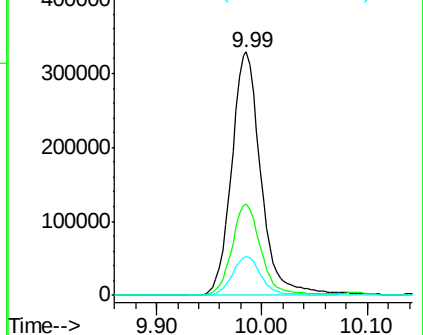


#58
4-Methyl-2-Pentanone
Concen: 110.375 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.5	31.6	47.4
85	16.1	13.3	19.9

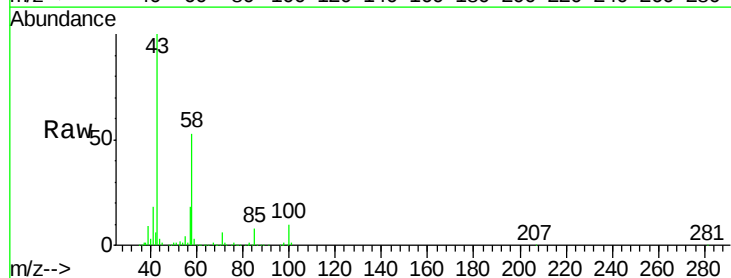


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

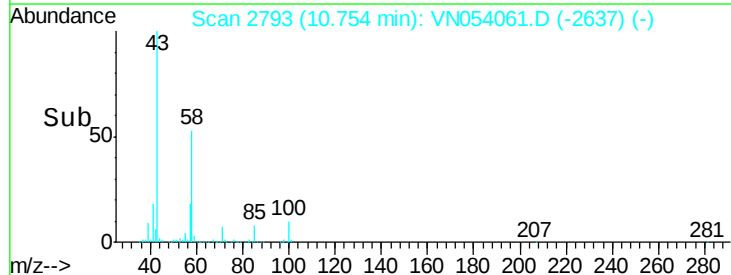
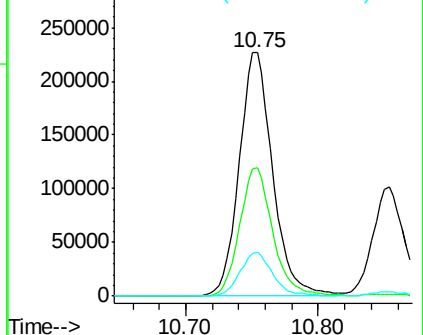


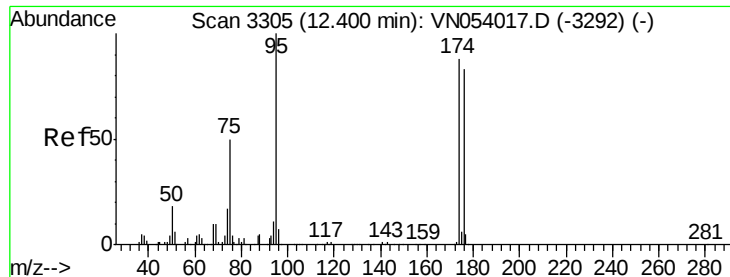
#59
2-Hexanone
Concen: 106.850 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.5	43.2	64.8
57	17.5	14.9	22.3



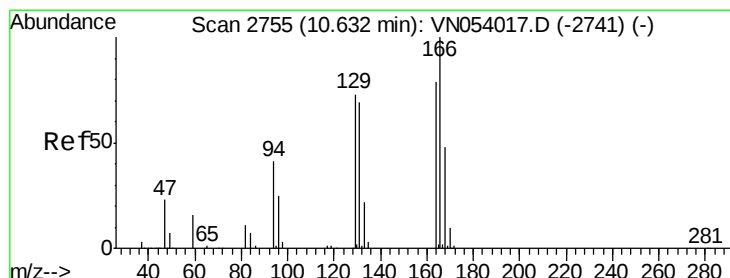
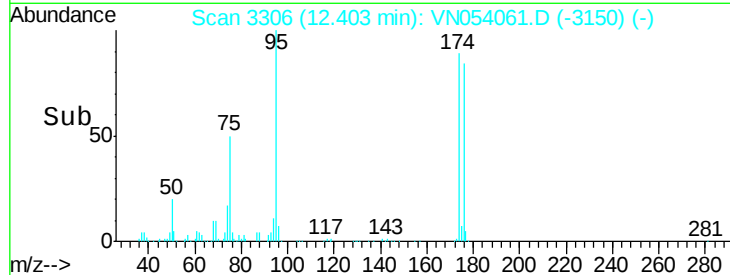
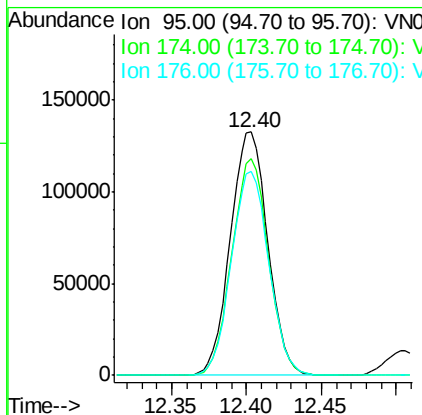
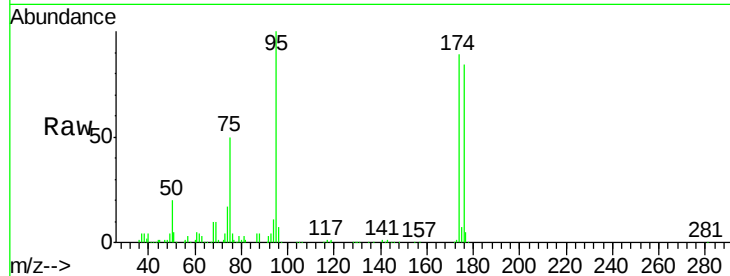
Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0





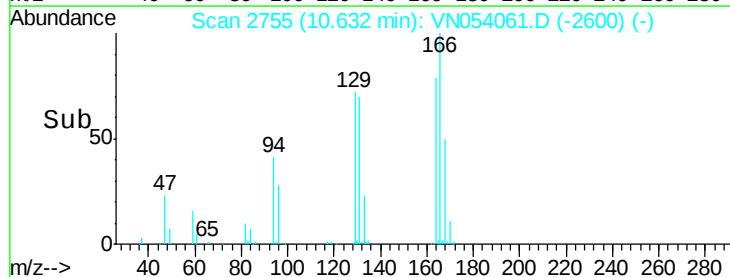
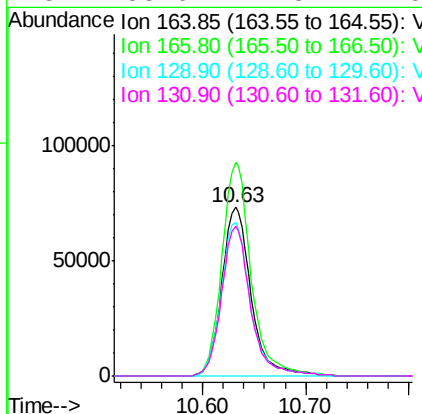
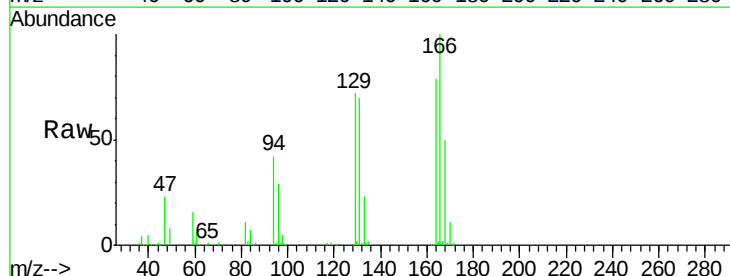
#60
4-Bromofluorobenzene
Concen: 106.850 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

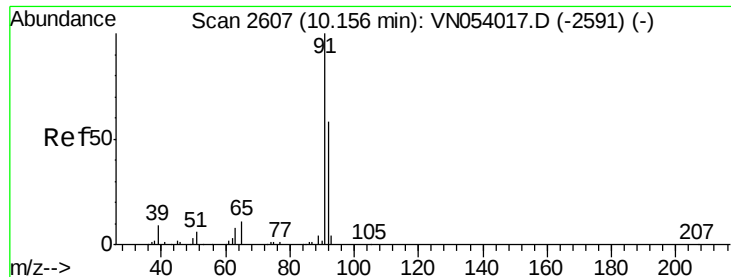
Tot Ion	95	Resp	231004
Ion Ratio	Lower	Upper	
95	100		
174	87.2	67.9	101.9
176	84.0	66.4	99.6



#61
Tetrachloroethene
Concen: 20.691 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion	164	Resp	145007
Ion Ratio	Lower	Upper	
164	100		
166	126.7	104.6	157.0
129	91.1	75.3	112.9
131	88.6	74.3	111.5





#62

Toluene

Concen: 20.763 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054061.D

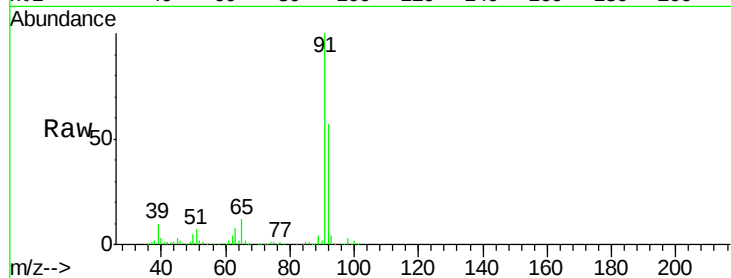
Acq: 4 Mar 2019 12:17

Tot Ion: 91 Resp: 584973

Ion Ratio Lower Upper

91 100

92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-2591) (-)

Ion 92.00 (91.70 to 92.70): VN054017.D (-2591) (-)

10.16

300000

250000

200000

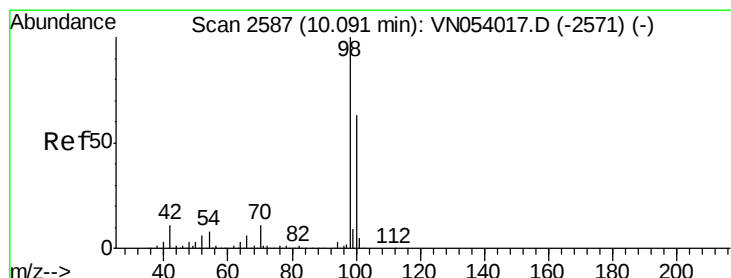
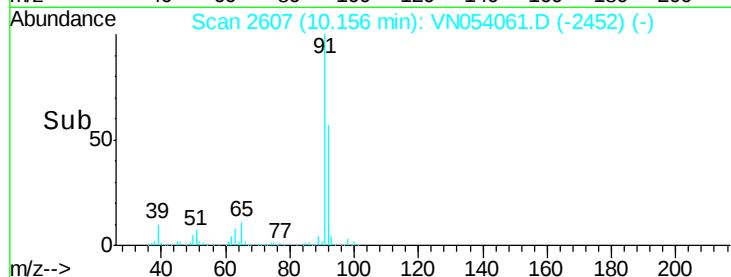
150000

100000

50000

0

Time-->



#63

Toluene-d8

Concen: 20.763 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054061.D

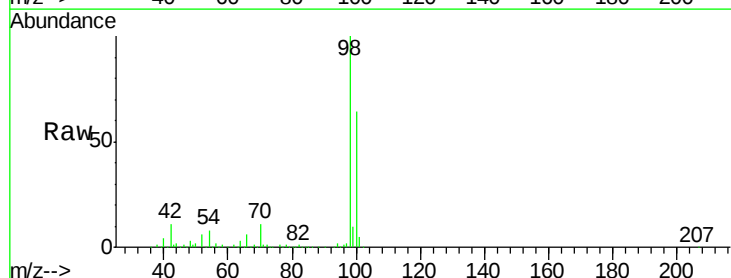
Acq: 4 Mar 2019 12:17

Tgt Ion: 98 Resp: 742453

Ion Ratio Lower Upper

98 100

100 64.1 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

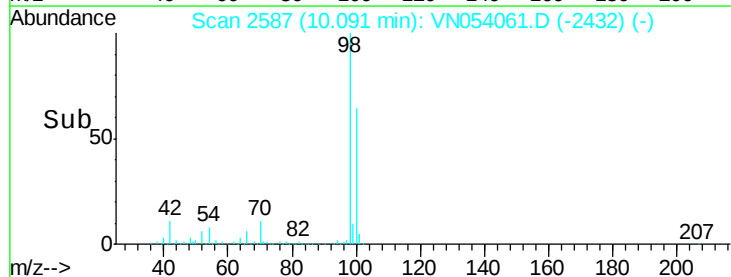
300000

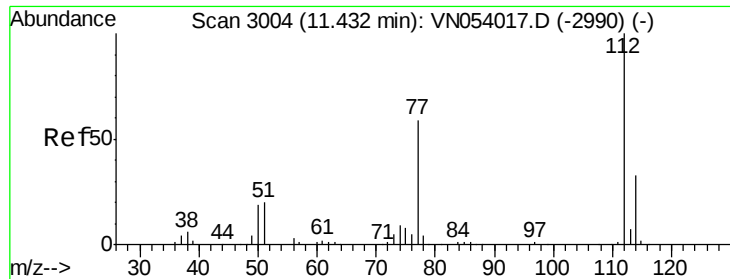
200000

100000

0

Time-->





#64

Chlorobenzene

Concen: 20.140 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054061.D

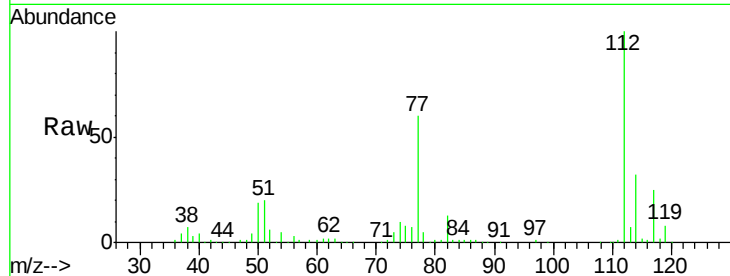
Acq: 4 Mar 2019 12:17

Tot Ion:112 Resp: 345521

Ion Ratio Lower Upper

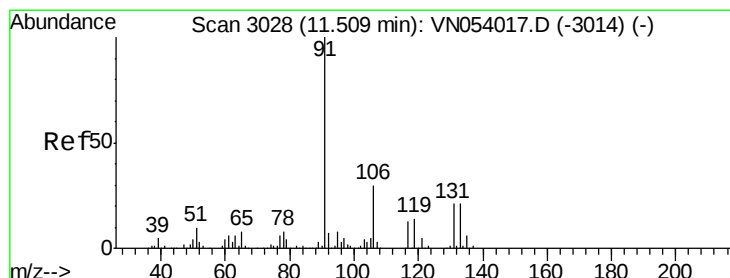
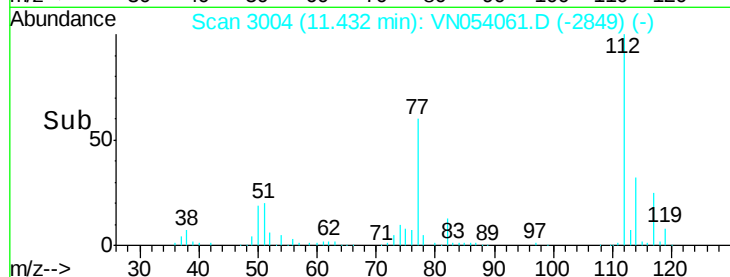
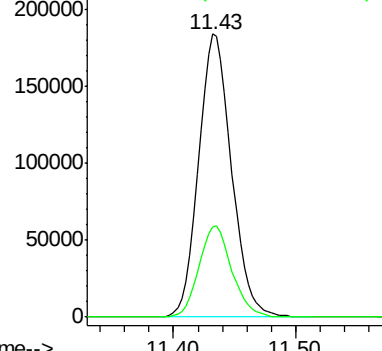
112 100

114 31.8 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 20.866 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

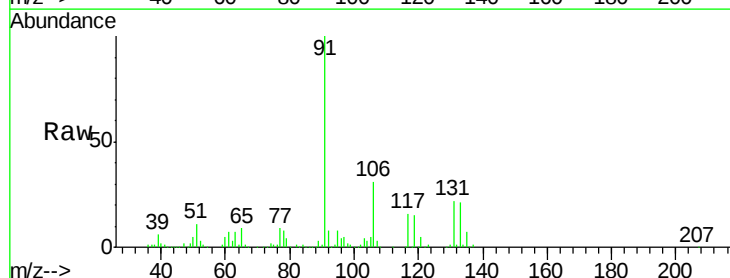
Tgt Ion:131 Resp: 131443

Ion Ratio Lower Upper

131 100

133 93.7 0.0 193.4

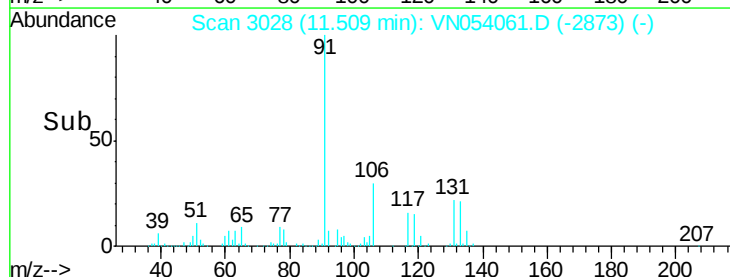
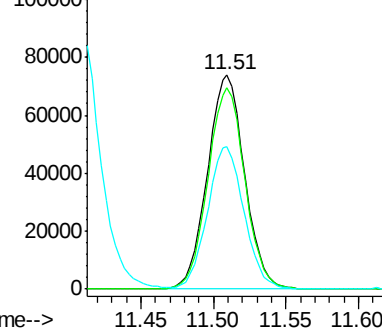
119 65.7 0.0 133.0

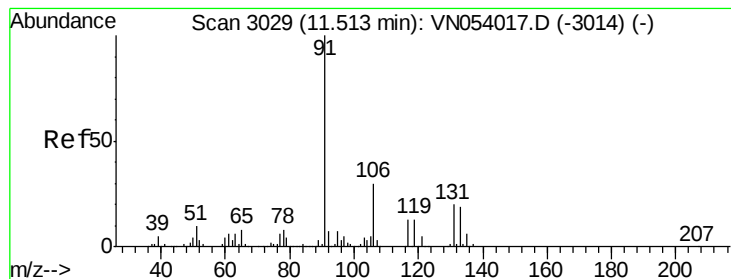


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#66

Ethyl Benzene

Concen: 19.923 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054061.D

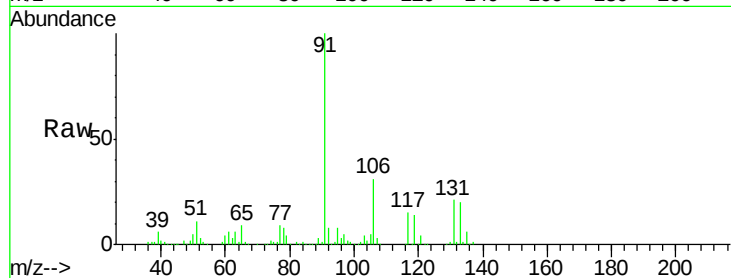
Acq: 4 Mar 2019 12:17

Tot Ion: 91 Resp: 586722

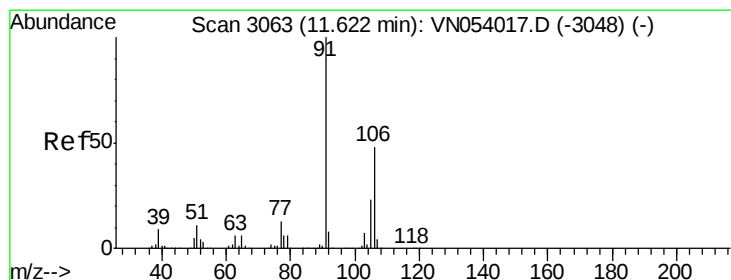
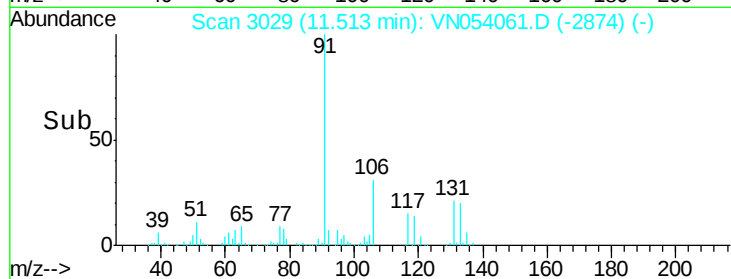
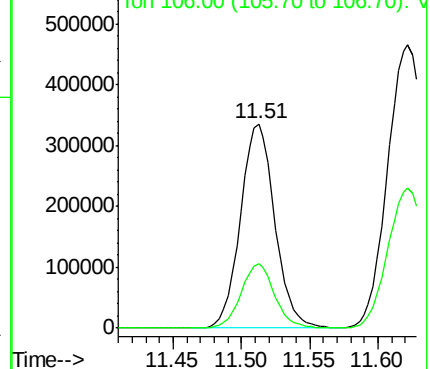
Ion Ratio Lower Upper

91 100

106 31.3 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3014) (-)



#67

m/p-Xylenes

Concen: 41.163 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054061.D

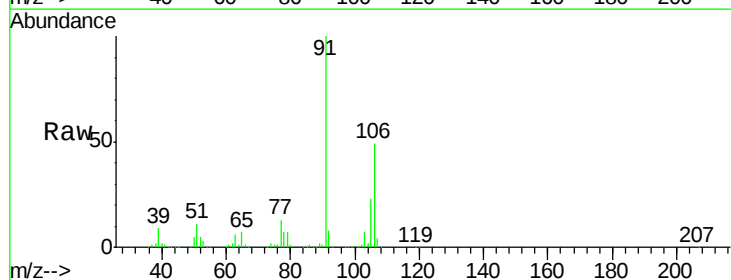
Acq: 4 Mar 2019 12:17

Tgt Ion: 106 Resp: 456412

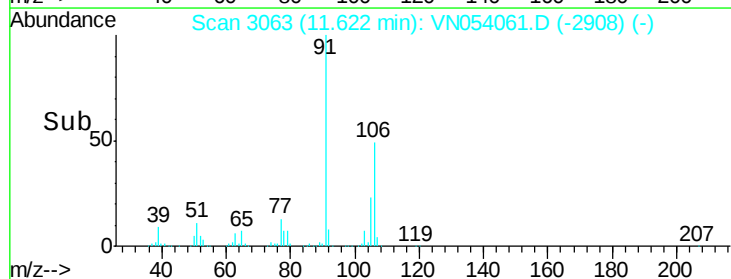
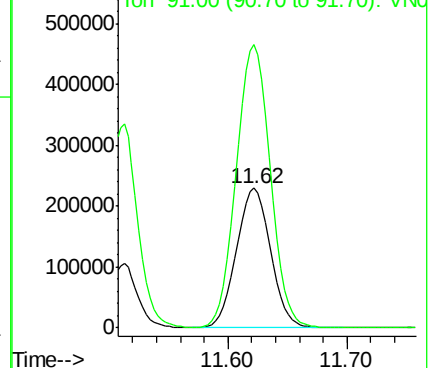
Ion Ratio Lower Upper

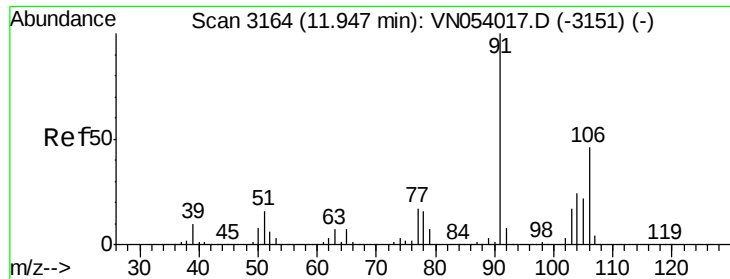
106 100

91 202.3 163.9 245.9



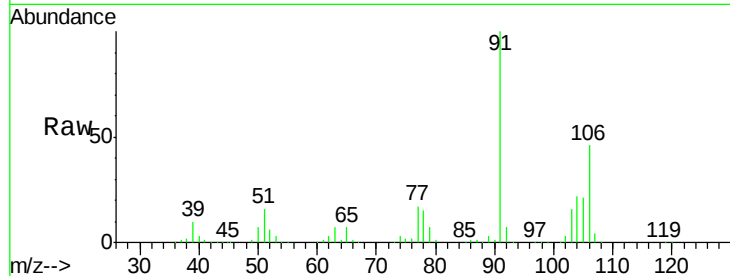
Abundance Ion 106.00 (105.70 to 106.70): VN054017.D (-3048) (-)



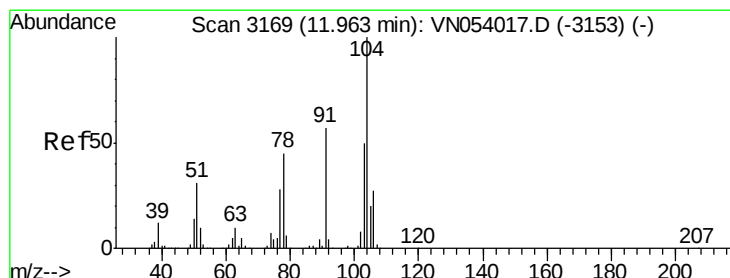
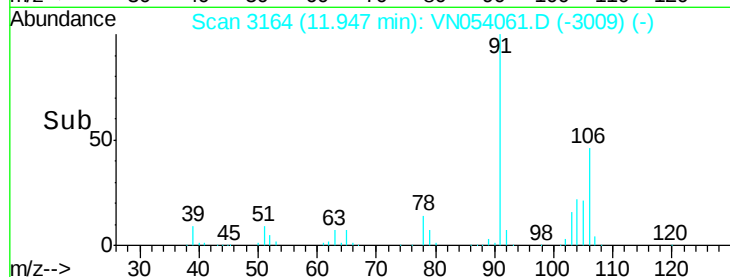
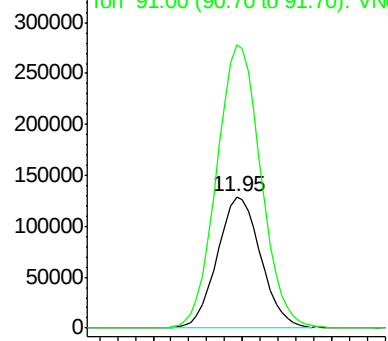


#68
o-Xylene
Concen: 20.533 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tot Ion:106 Resp: 220697
Ion Ratio Lower Upper
106 100
91 218.8 107.8 323.4

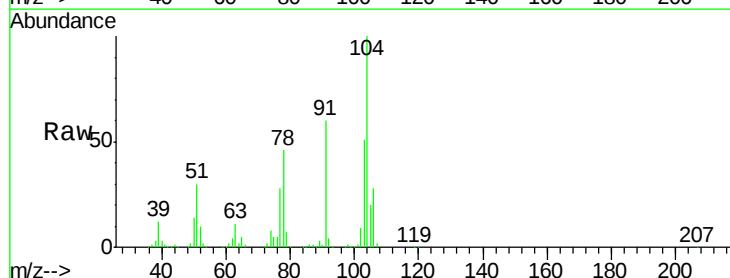


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

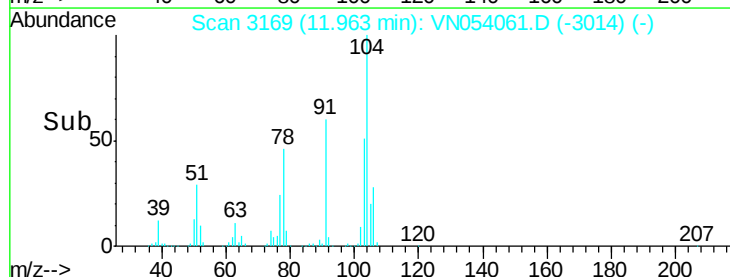
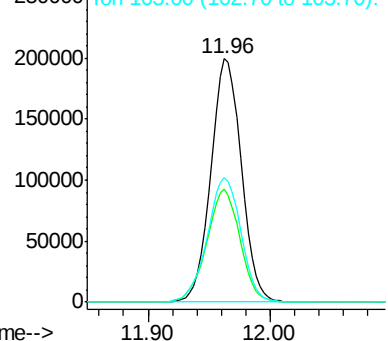


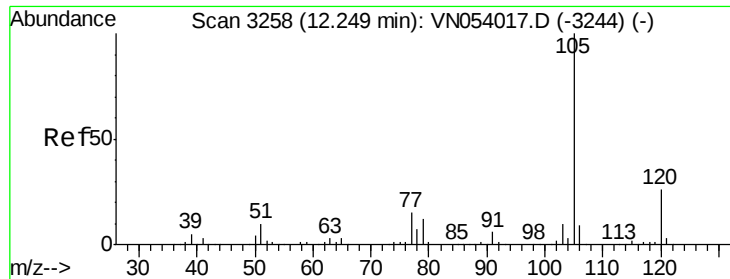
#69
Styrene
Concen: 20.197 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion:104 Resp: 343741
Ion Ratio Lower Upper
104 100
78 50.6 39.3 58.9
103 56.5 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#70

Isopropylbenzene

Concen: 20.500 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054061.D

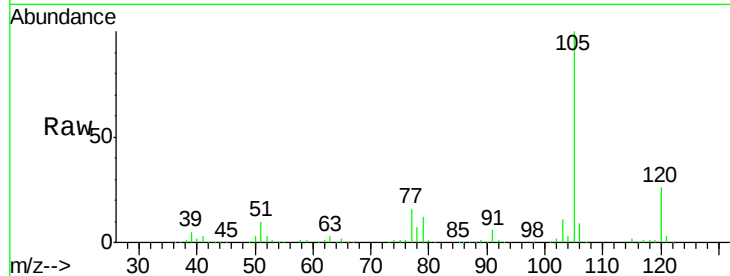
Acq: 4 Mar 2019 12:17

Tot Ion:105 Resp: 578300

Ion Ratio Lower Upper

105 100

120 26.3 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

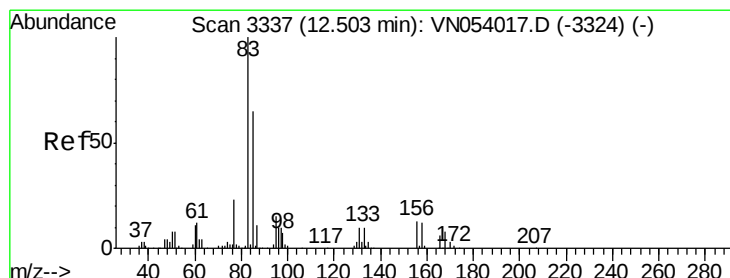
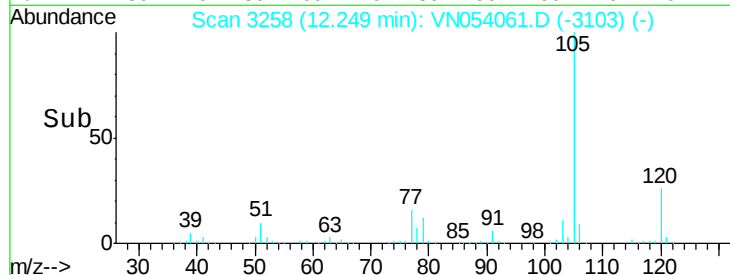
200000

100000

0

Time-->

12.20 12.25 12.30 12.35



#71

1,1,2,2-Tetrachloroethane

Concen: 21.321 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

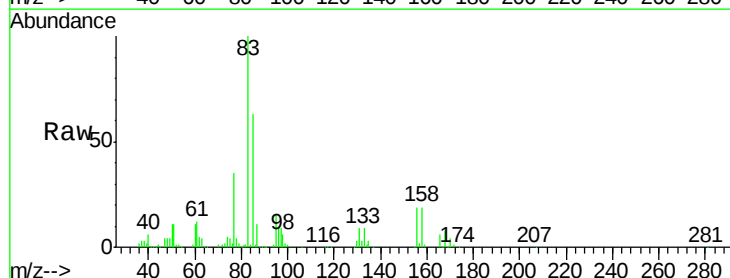
Tgt Ion: 83 Resp: 148454

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

85 65.1 32.2 96.6



Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V

120000

100000

80000

60000

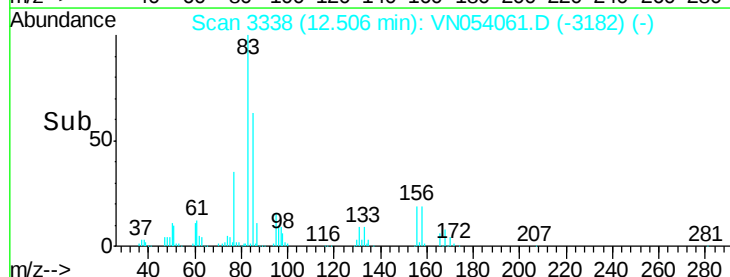
40000

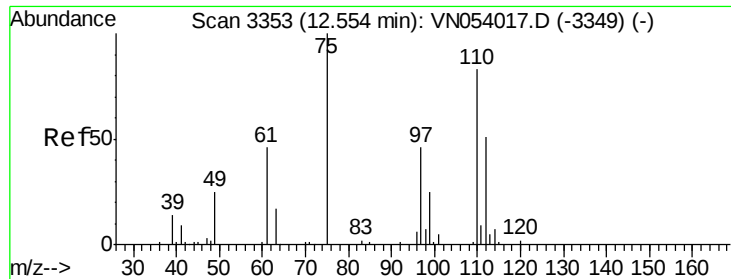
20000

0

Time-->

12.45 12.50 12.55

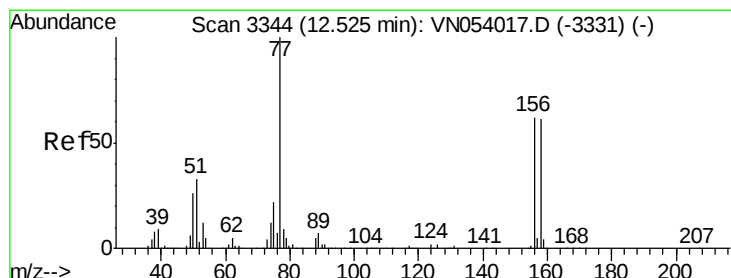
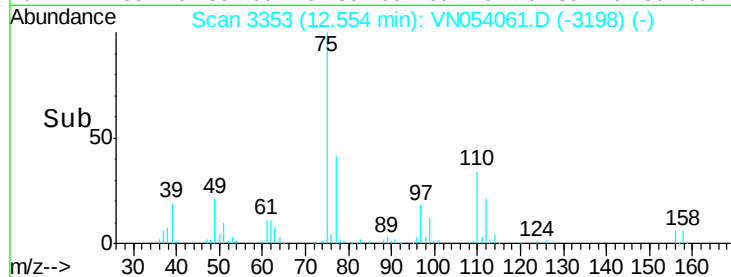
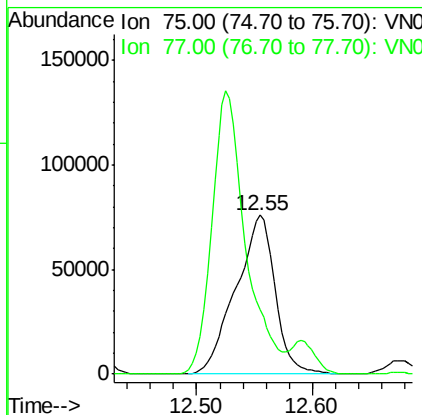
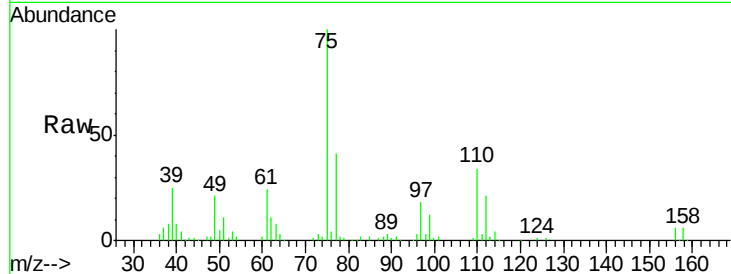




#72

1,2,3-Trichloropropane
 Concen: 34.035 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

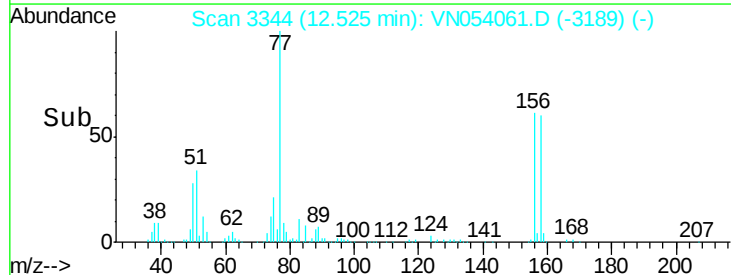
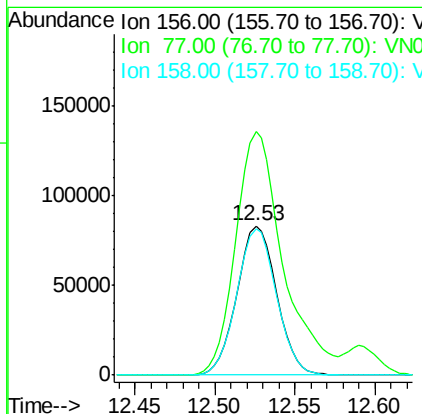
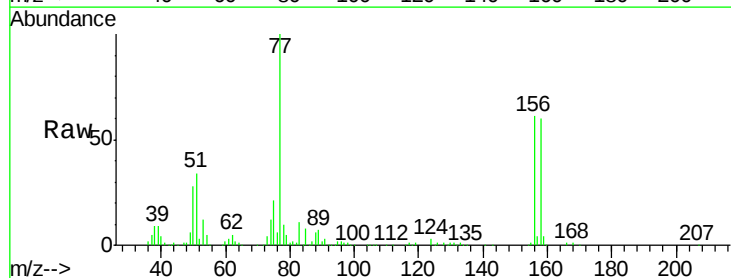
Tot Ion: 75 Resp: 179938
 Ion Ratio Lower Upper
 75 100
 77 152.8 0.0 514.8

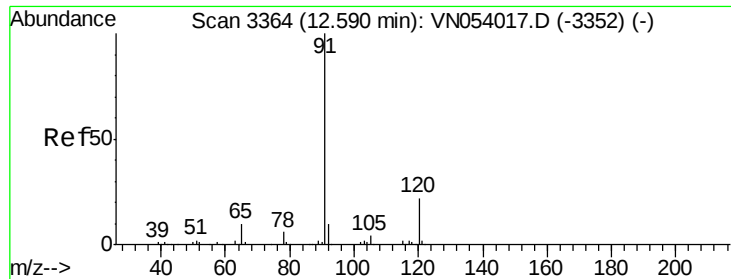


#73

Bromobenzene
 Concen: 19.720 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tgt Ion: 156 Resp: 140256
 Ion Ratio Lower Upper
 156 100
 77 196.1 0.0 382.6
 158 98.2 0.0 196.8





#74

n-propylbenzene

Concen: 20.162 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054061.D

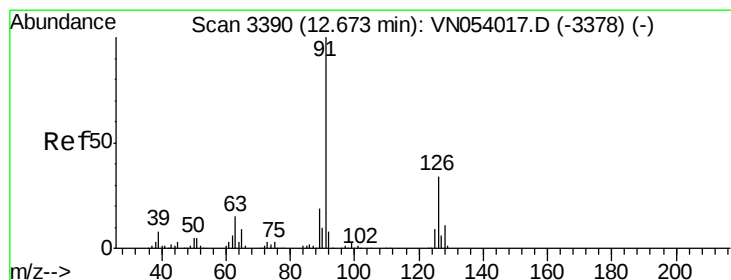
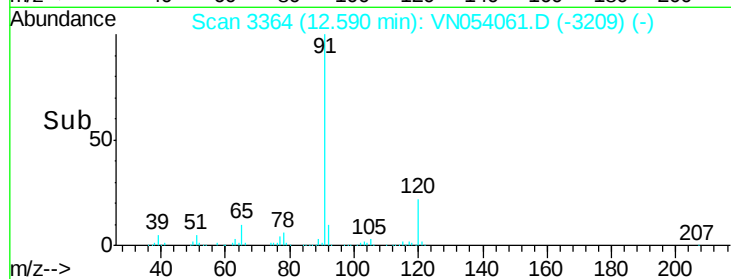
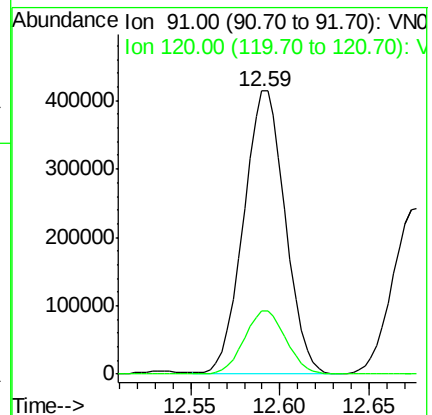
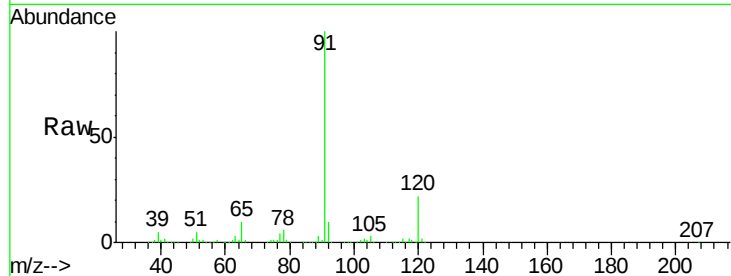
Acq: 4 Mar 2019 12:17

Tot Ion: 91 Resp: 677276

Ion Ratio Lower Upper

91 100

120 22.3 0.0 44.6



#75

2-Chlorotoluene

Concen: 20.610 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054061.D

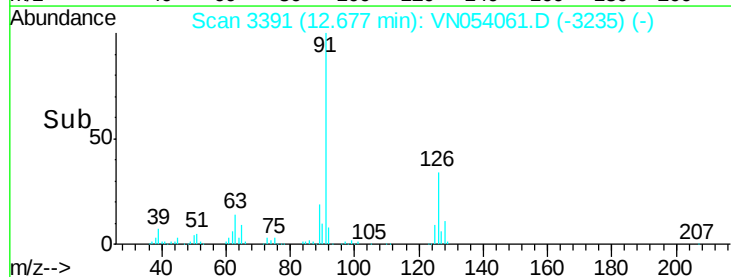
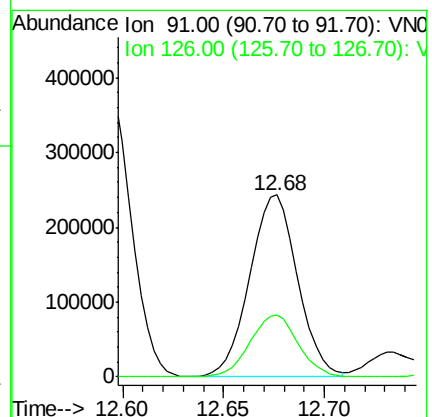
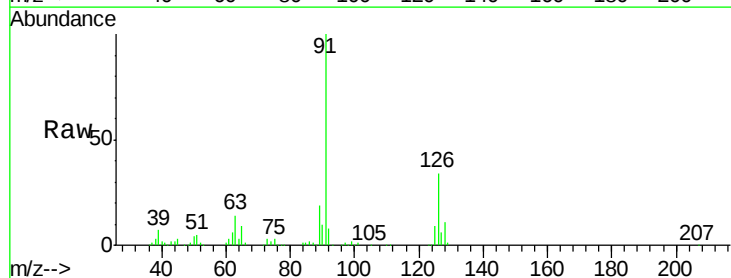
Acq: 4 Mar 2019 12:17

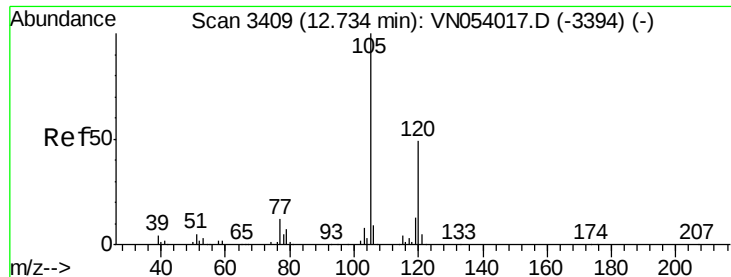
Tgt Ion: 91 Resp: 405430

Ion Ratio Lower Upper

91 100

126 34.0 0.0 68.4

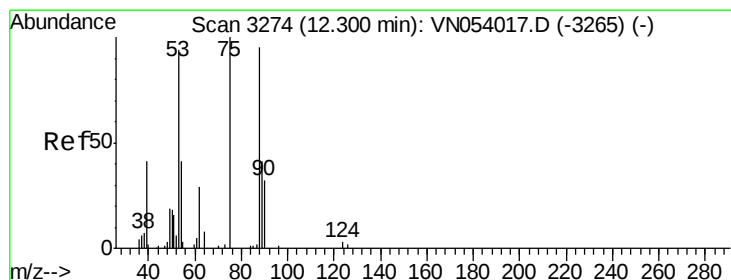
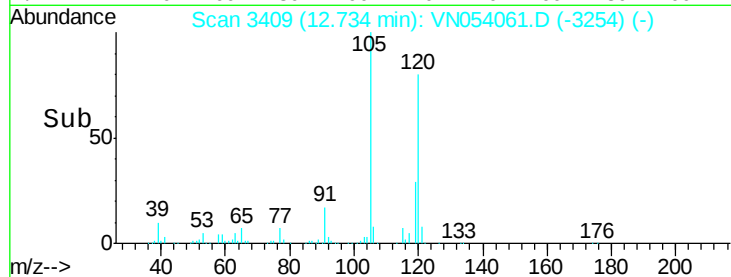
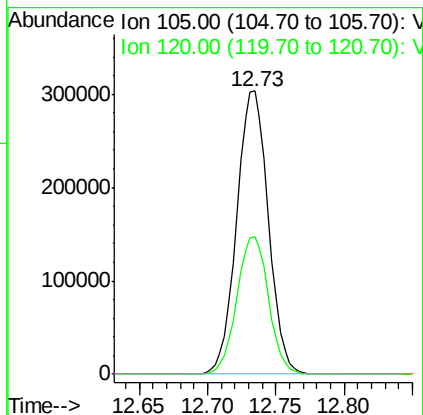
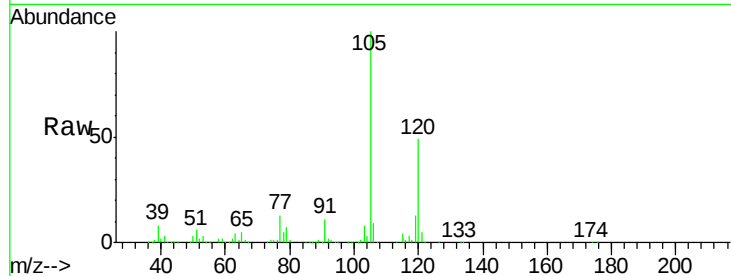




#76

1,3,5-Trimethylbenzene
Concen: 20.364 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

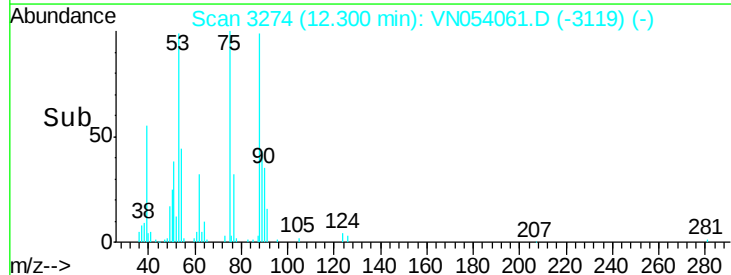
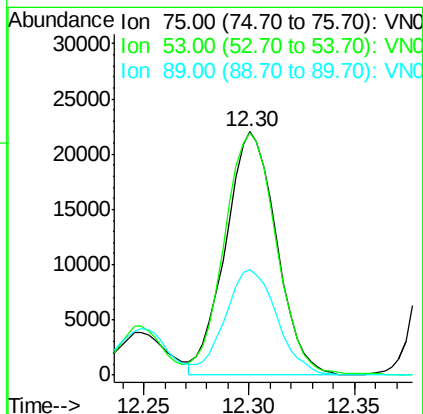
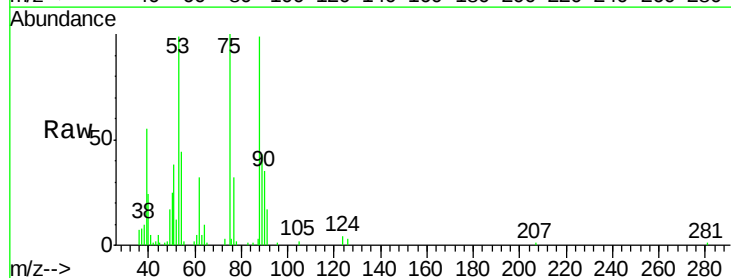
Tot Ion	Ratio	Lower	Upper
105	100		
120	48.8	0.0	97.4

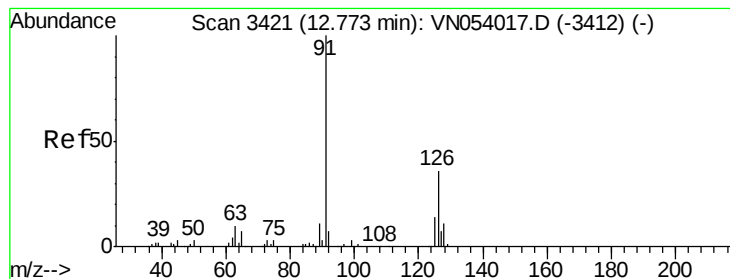


#77

t-1,4-Dichloro-2-butene
Concen: 19.596 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.3	48.5	145.6
89	43.4	21.7	65.1





#78

4-Chlorotoluene

Concen: 20.067 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054061.D

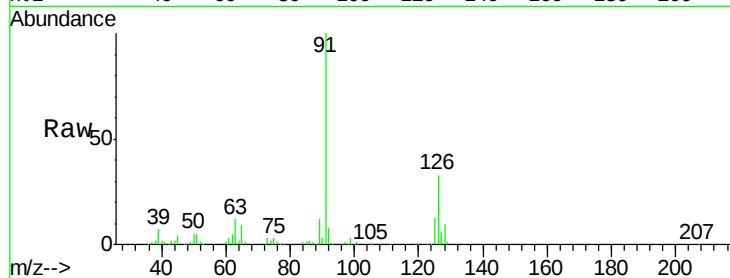
Acq: 4 Mar 2019 12:17

Tot Ion: 91 Resp: 395002

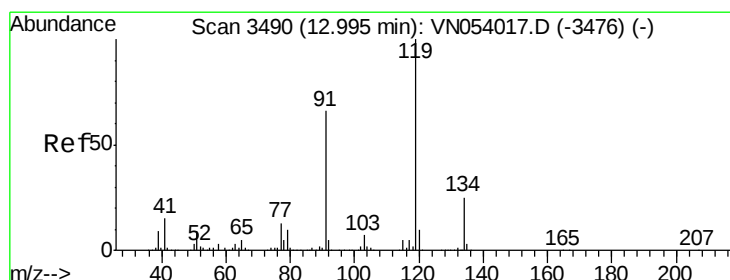
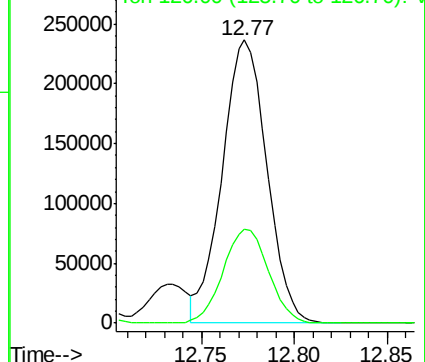
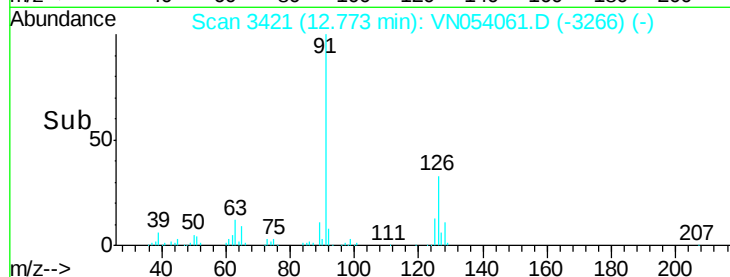
Ion Ratio Lower Upper

91 100

126 33.8 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN054061.D (-3266) (-)



#79

tert-butylbenzene

Concen: 20.404 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

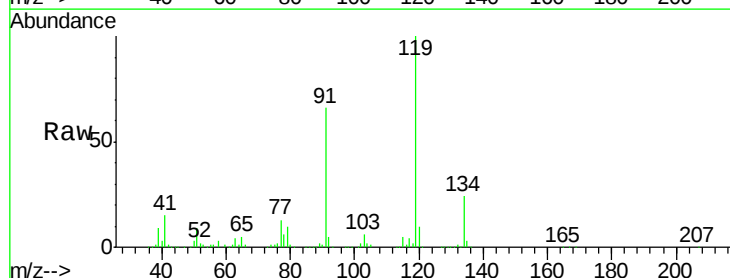
Tgt Ion: 119 Resp: 427238

Ion Ratio Lower Upper

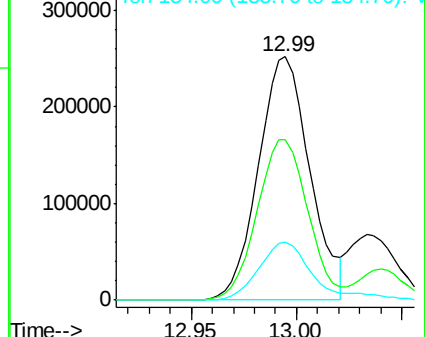
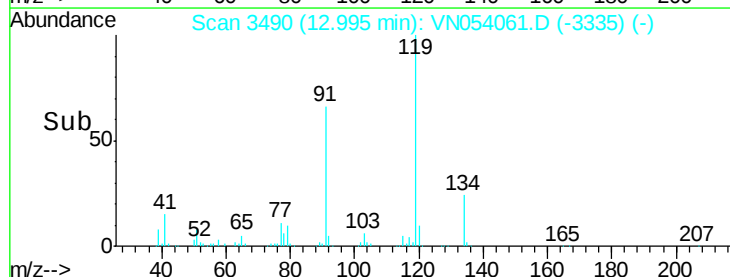
119 100

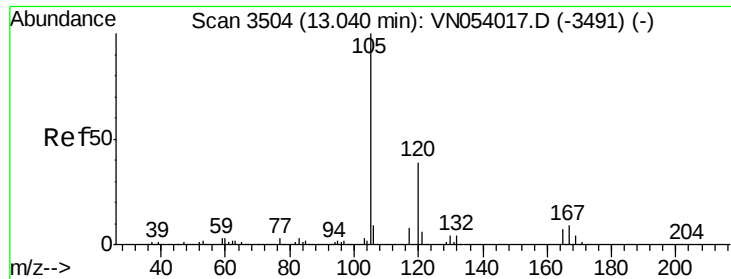
91 65.1 0.0 129.8

134 23.6 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): VN054061.D (-3335) (-)





#80

1,2,4-Trimethylbenzene

Concen: 20.519 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054061.D

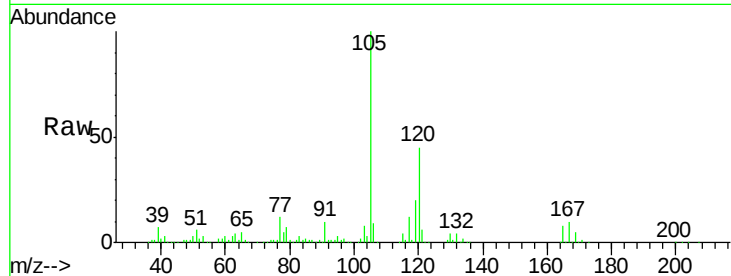
Acq: 4 Mar 2019 12:17

Tot Ion:105 Resp: 488004

Ion Ratio Lower Upper

105 100

120 46.1 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

300000

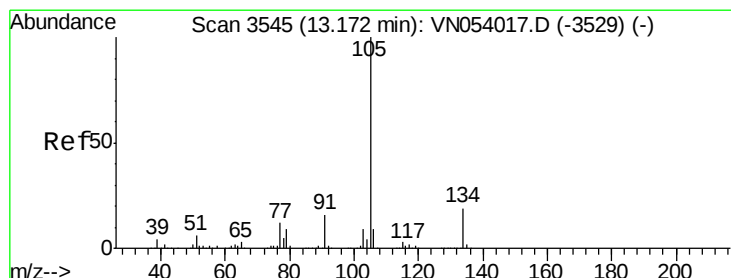
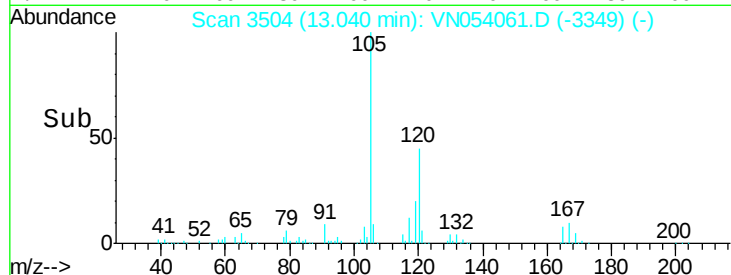
200000

100000

0

Time-->

13.00 13.05 13.10



#81

sec-Butylbenzene

Concen: 20.094 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054061.D

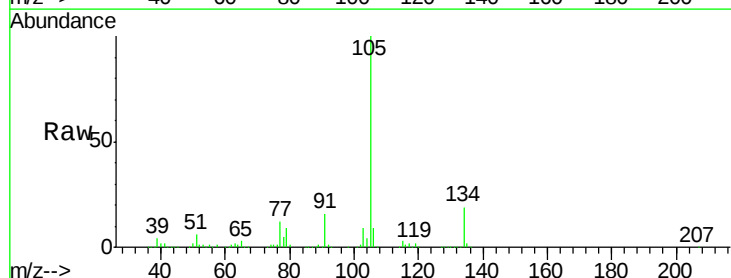
Acq: 4 Mar 2019 12:17

Tgt Ion:105 Resp: 577059

Ion Ratio Lower Upper

105 100

134 19.7 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

400000

300000

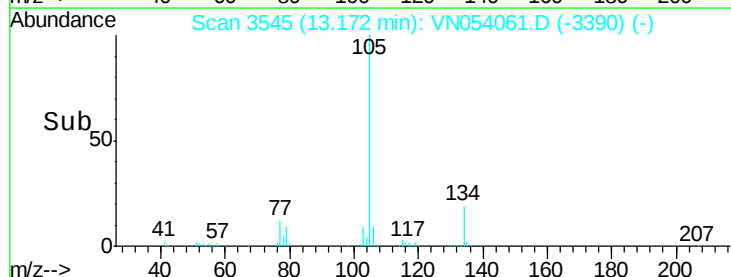
200000

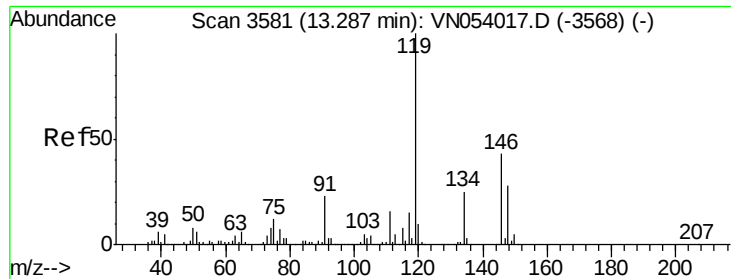
100000

0

Time-->

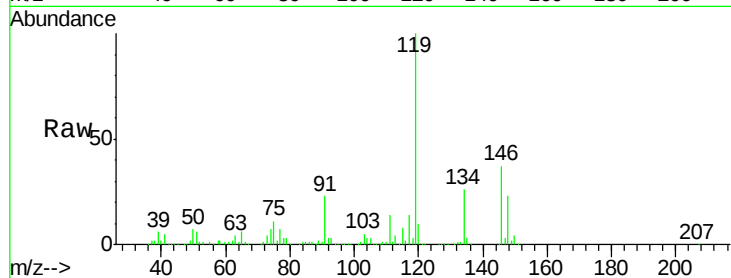
13.10 13.15 13.20 13.25



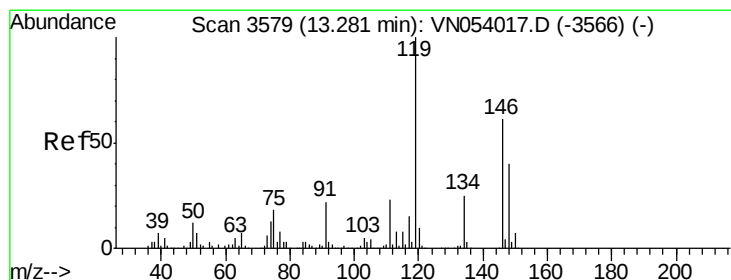
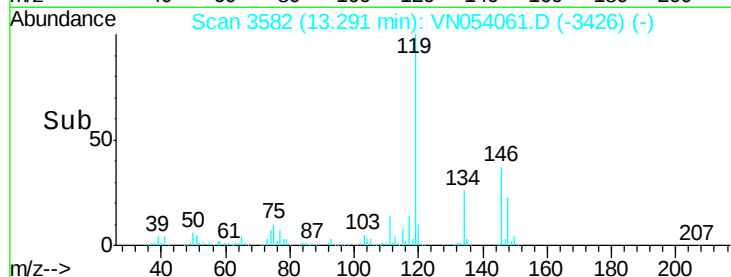
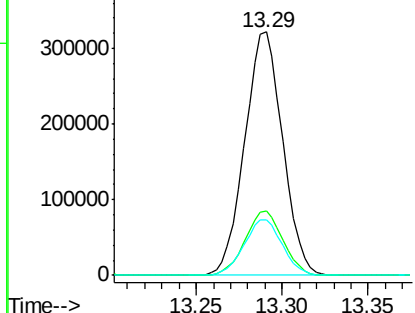


#82
 p-Isopropyltoluene
 Concen: 20.048 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	52.6
91	23.2	0.0	46.2

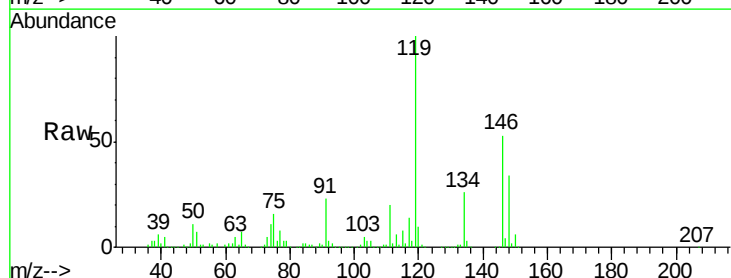


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

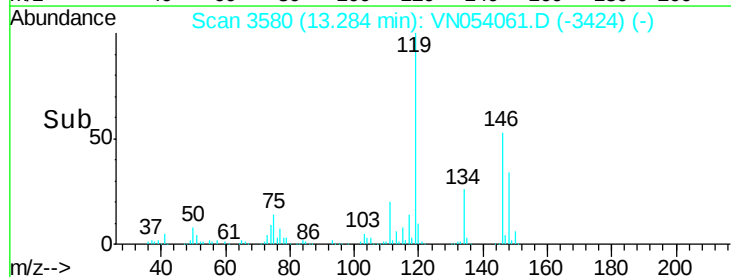
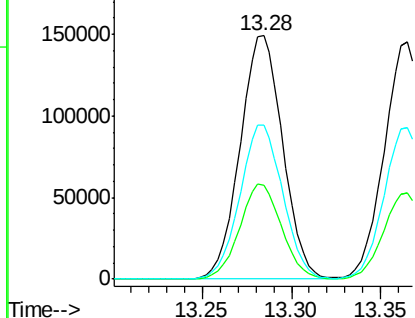


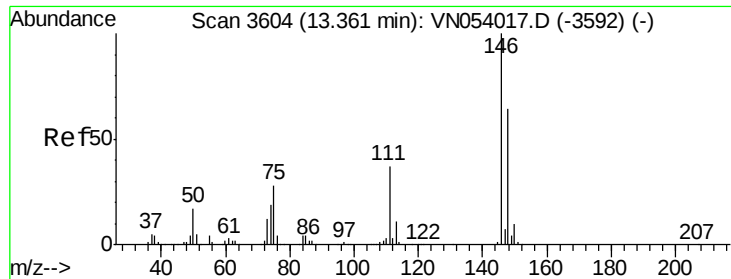
#83
 1,3-Dichlorobenzene
 Concen: 19.881 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	63.6	32.3	96.8



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





#84

1,4-Dichlorobenzene

Concen: 19.807 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

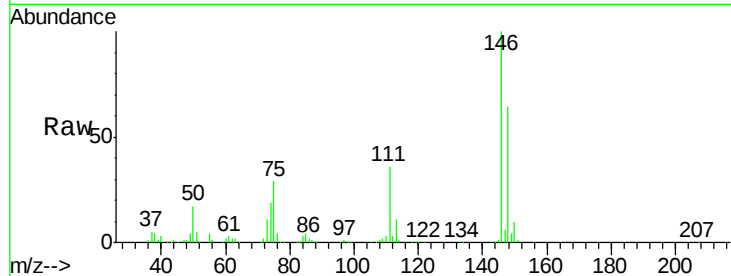
Tot Ion:146 Resp: 237235

Ion Ratio Lower Upper

146 100

111 36.8 18.8 56.3

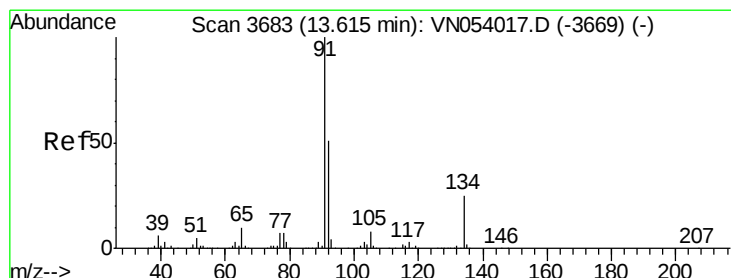
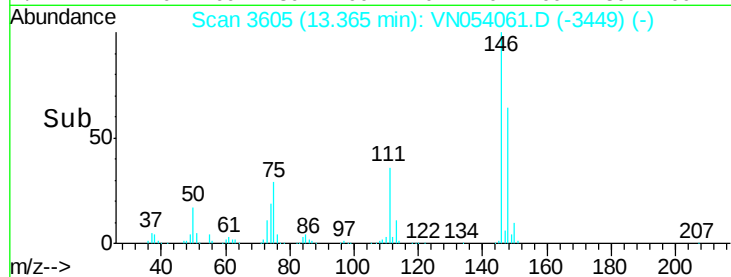
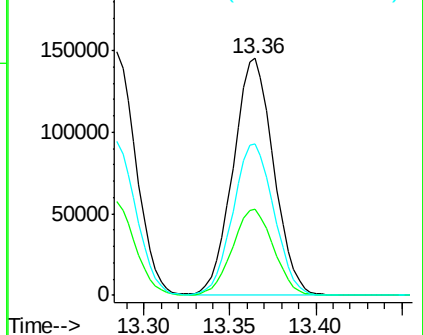
148 64.8 32.5 97.4



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



#85

n-Butylbenzene

Concen: 18.707 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

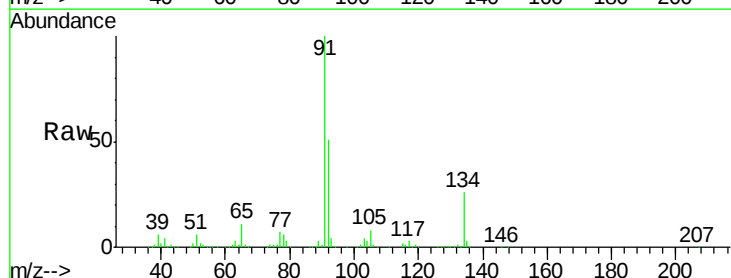
Tgt Ion: 91 Resp: 399808

Ion Ratio Lower Upper

91 100

92 50.5 0.0 104.2

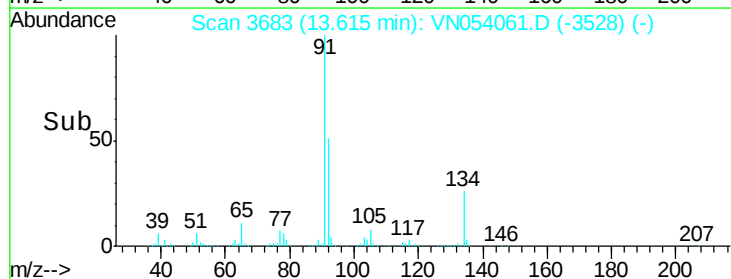
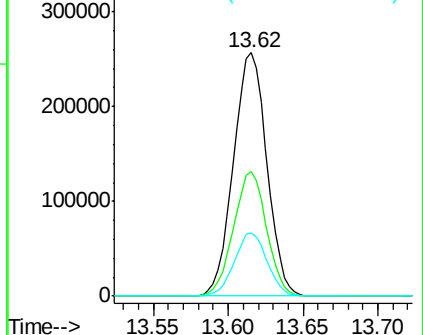
134 25.5 0.0 50.6

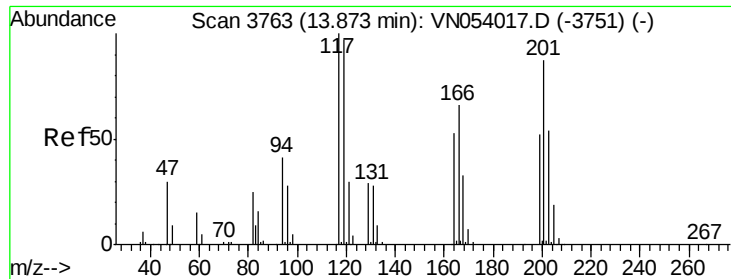


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 19.334 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054061.D

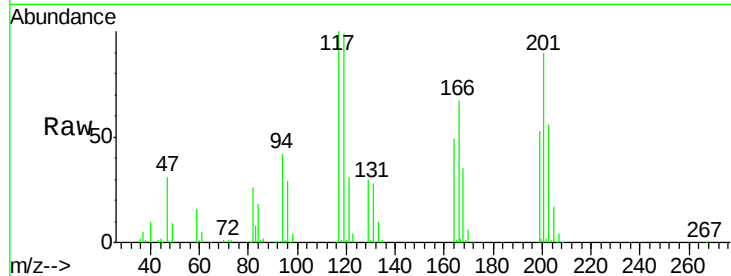
Acq: 4 Mar 2019 12:17

Tot Ion:117 Resp: 88636

Ion Ratio Lower Upper

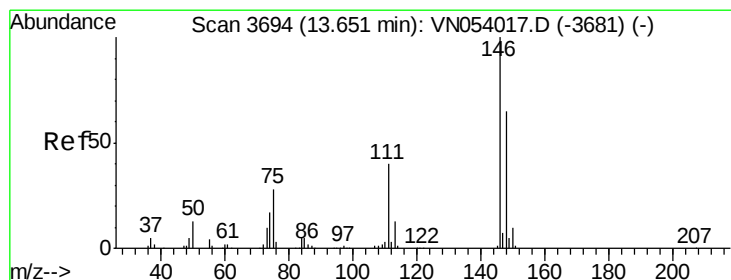
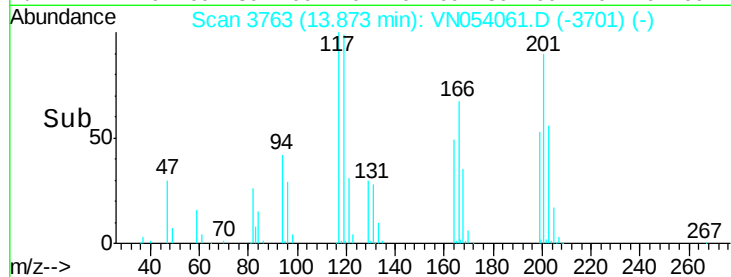
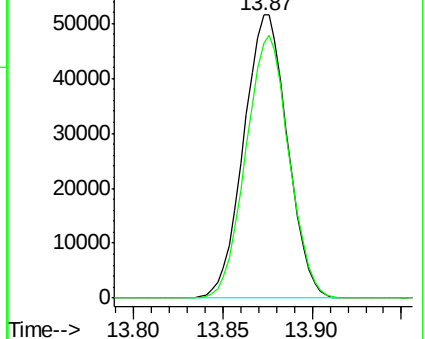
117 100

201 91.0 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 20.372 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054061.D

Acq: 4 Mar 2019 12:17

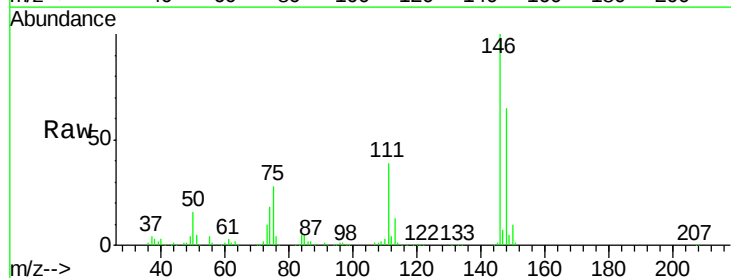
Tgt Ion:146 Resp: 247858

Ion Ratio Lower Upper

146 100

111 39.6 20.3 60.8

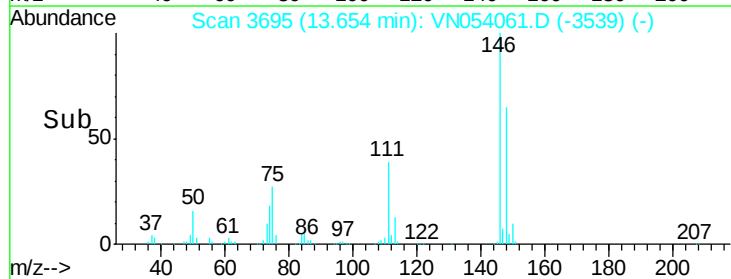
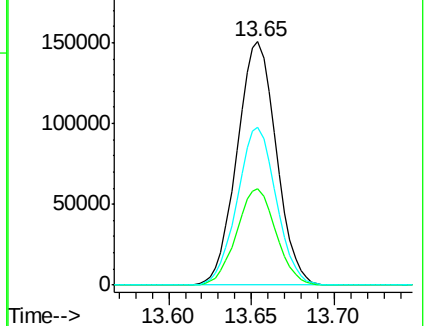
148 64.4 32.1 96.5

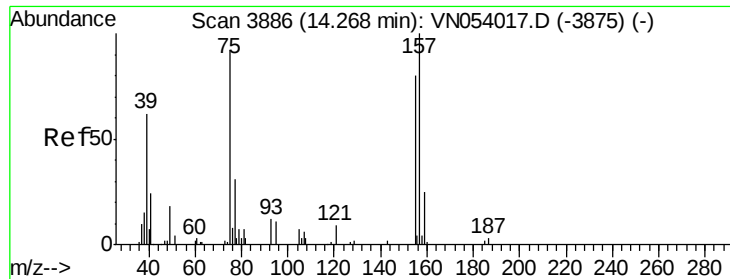


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

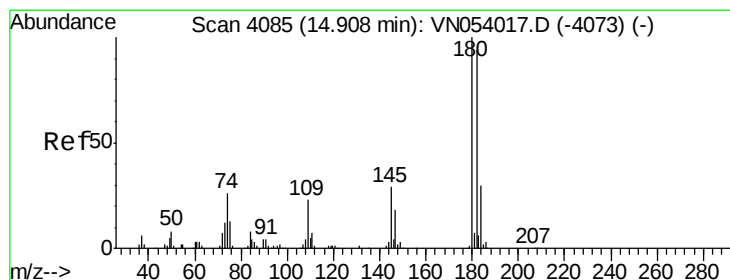
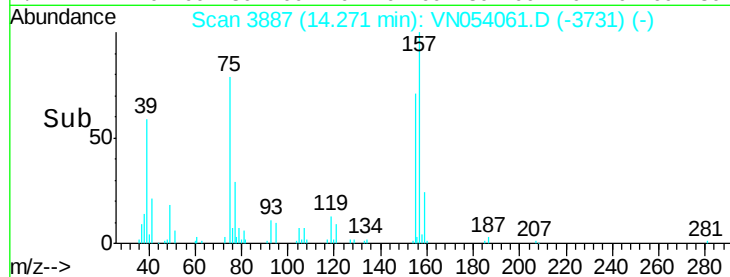
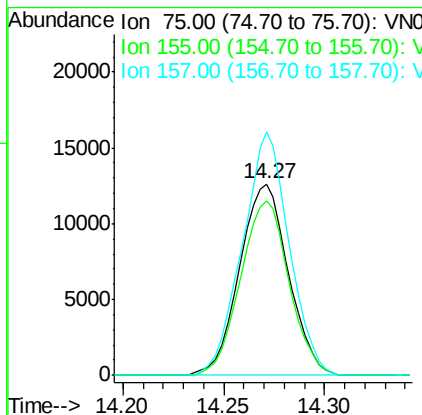
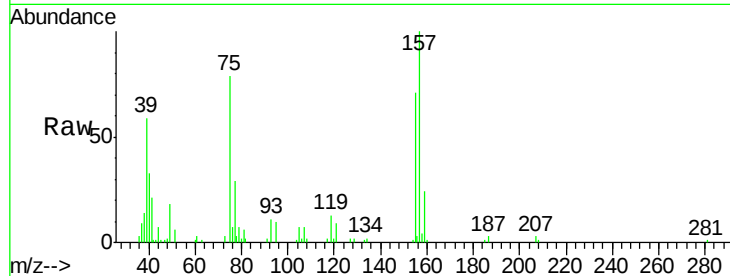
Ion 148.00 (147.70 to 148.70): V





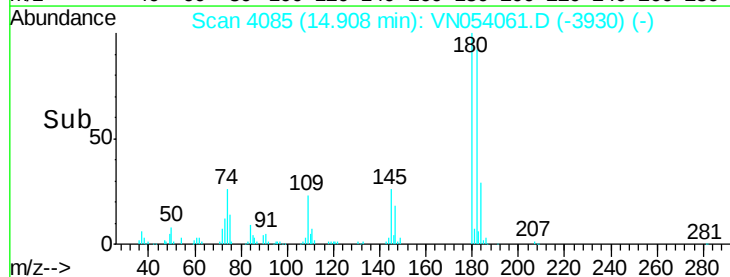
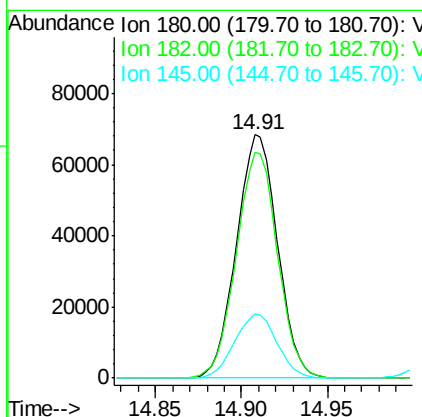
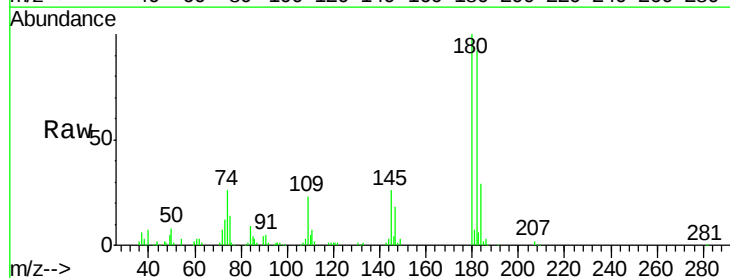
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.224 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

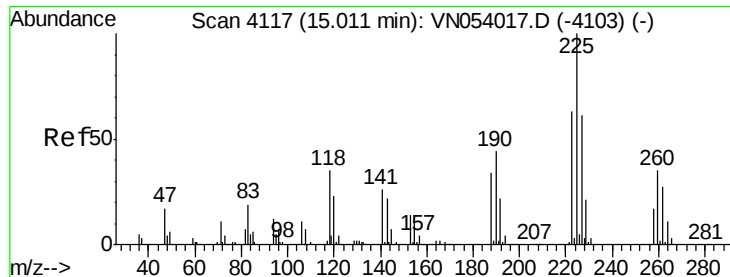
Tot Ion: 75 Resp: 21381
 Ion Ratio Lower Upper
 75 100
 155 90.3 72.2 108.2
 157 121.5 94.2 141.2



#89
 1,2,4-Trichlorobenzene
 Concen: 18.307 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

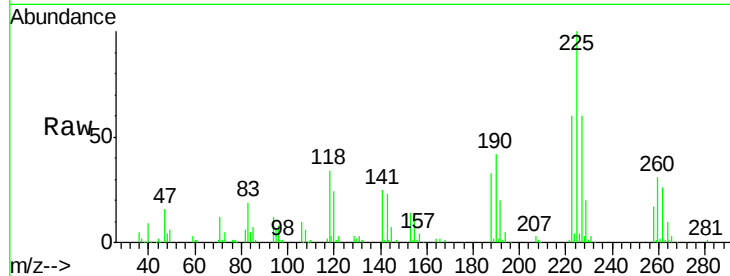
Tgt Ion: 180 Resp: 113154
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.6 114.8
 145 27.1 23.6 35.4



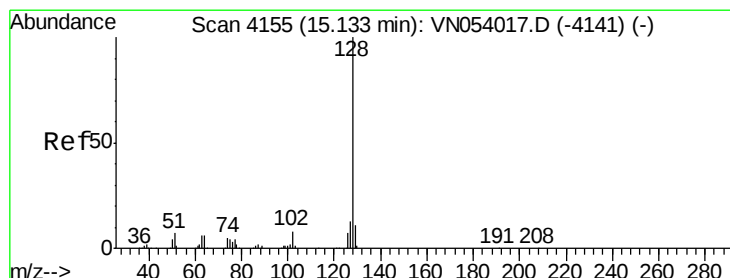
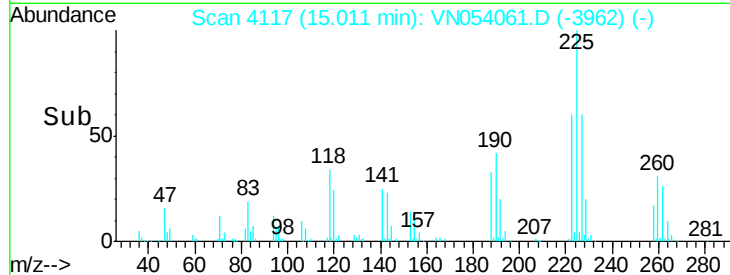
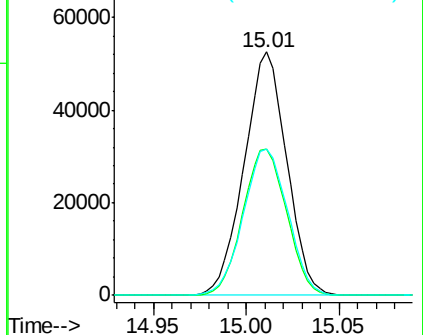


#90
Hexachlorobutadiene
Concen: 18.725 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tot Ion	Ratio	Lower	Upper
225	100		
223	61.5	0.0	125.6
227	62.6	0.0	127.8

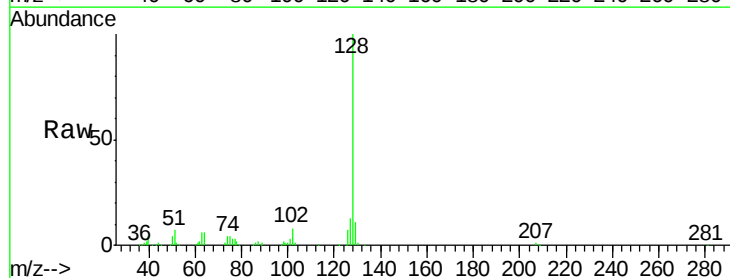


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

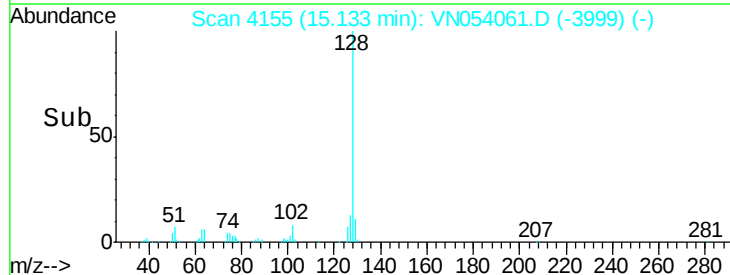
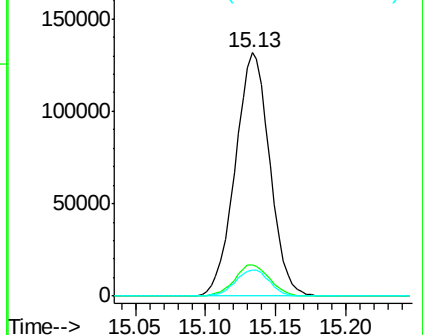


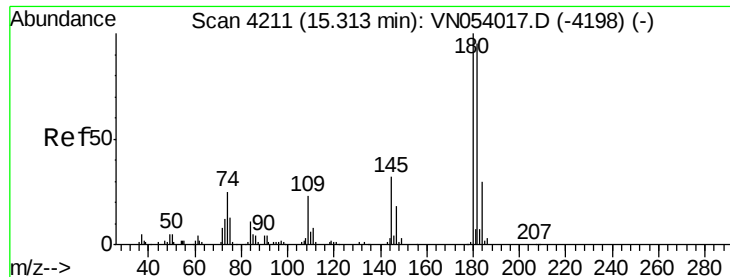
#91
Naphthalene
Concen: 20.354 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054061.D
Acq: 4 Mar 2019 12:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	10.7	8.5	12.7



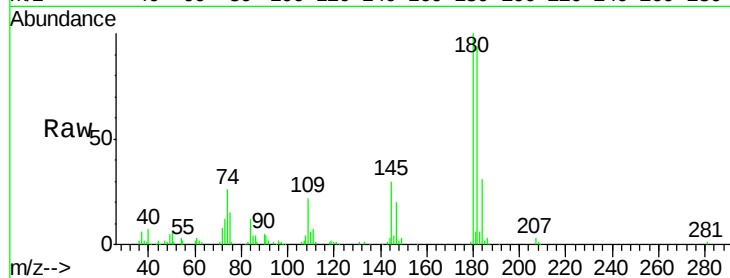
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 19.108 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN054061.D
 Acq: 4 Mar 2019 12:17

Tot Ion	Ion	Ratio	Resp	Lower	Upper
180	180	100	116634		
182	182	92.7		0.0	196.2
145	145	30.2		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

