

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071118\
 Data File : VN049766.D
 Acq On : 11 Jul 2018 19:29
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 12 02:39:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 01:52:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	250501	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1369939	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	1195686	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	517311	30.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.83%
60) 4-Bromofluorobenzene	12.40	95	543077	29.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.07%
63) Toluene-d8	10.09	98	1690750	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	411134	21.93	ug/l	97
3) Chloromethane	2.06	50	400007	20.65	ug/l	99
4) Vinyl Chloride	2.18	62	421563	20.56	ug/l	97
5) Bromomethane	2.57	94	246915	19.96	ug/l	98
6) Chloroethane	2.70	64	245156	20.61	ug/l	100
7) Trichlorofluoromethane	3.01	101	539872	20.82	ug/l	99
8) Diethyl Ether	3.42	74	176443	19.91	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	321302	20.58	ug/l	99
10) 1,1-Dichloroethene	3.74	96	295549	20.55	ug/l	98
11) Methyl Iodide	3.95	142	421346	19.71	ug/l	99
12) Methyl Acetate	4.33	43	294928	20.99	ug/l	99
13) Acrolein	3.61	56	124351	84.61	ug/l	99
14) Acrylonitrile	5.00	53	502967	99.78	ug/l	99
15) Acetone	3.82	58	120398	94.67	ug/l	97
16) Carbon Disulfide	4.05	76	905164	20.36	ug/l	99
17) Allyl chloride	4.33	41	443762	19.54	ug/l	98
18) Methylene Chloride	4.56	84	334331	19.59	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	310984	20.48	ug/l	97
20) Diisopropyl ether	5.96	45	944913	20.62	ug/l	100
21) 1,1-Dichloroethane	5.85	63	581429	20.66	ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	342340	20.24	ug/l	100
23) tert-Butyl Alcohol	4.80	59	107392	101.70	ug/l	100
24) Methyl tert-Butyl Ether	5.06	73	771144	20.16	ug/l	99
25) Chloroform	7.37	83	585991	20.63	ug/l	99
26) Cyclohexane	7.66	56	474898	19.99	ug/l	# 98
29) 1,1-Dichloropropene	7.80	75	439506	20.16	ug/l	99
30) 2-Butanone	6.84	43	568737	93.65	ug/l	98
31) 2,2-Dichloropropane	6.83	77	426250	18.23	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	502725	20.06	ug/l	99
33) Carbon Tetrachloride	7.78	117	446625	20.11	ug/l	99
34) Benzene	8.05	78	1312318	20.07	ug/l	98
35) Methacrylonitrile	7.18	41	131819	19.00	ug/l	99
36) 1,2-Dichloroethane	8.13	62	418158	20.04	ug/l	99
37) Trichloroethene	8.84	130	334145	19.62	ug/l	99
38) Methylcyclohexane	9.09	83	449095	19.12	ug/l	100
39) 1,2-Dichloropropane	9.12	63	342659	20.19	ug/l	99
40) Dibromomethane	9.21	93	205869	20.17	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	435378	19.83	ug/l	98
42) Vinyl Acetate	5.90	43	3135920	97.30	ug/l	99
43) Ethyl Acetate	6.94	43	262404	20.46	ug/l #	92
44) Isopropyl Acetate	8.17	43	484868	20.22	ug/l	97
45) 1,4-Dioxane	9.20	88	62469	395.70	ug/l	97
46) Methyl methacrylate	9.20	41	226430	18.83	ug/l	99
47) n-amyl Acetate	12.07	43	368516	18.25	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	419143	18.95	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	494368	19.41	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	301752	20.33	ug/l	99
51) Ethyl methacrylate	10.43	69	342765	18.93	ug/l	99
52) 1,3-Dichloropropane	10.71	76	489085	20.06	ug/l	100
53) Dibromochloromethane	10.90	129	327273	19.50	ug/l	99
54) 1,2-Dibromoethane	11.01	107	287292	19.91	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	858103	93.04	ug/l	100
56) Bromoform	12.13	173	220178	19.15	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	1321672	101.68	ug/l	99
59) 2-Hexanone	10.75	43	852163	97.39	ug/l	100
61) Tetrachloroethene	10.63	164	311726	20.78	ug/l	97
62) Toluene	10.16	91	1401939	20.46	ug/l	99
64) Chlorobenzene	11.44	112	843890	20.07	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	321891	20.17	ug/l	99
66) Ethyl Benzene	11.51	91	1423418	19.80	ug/l	99
67) m/p-Xylenes	11.62	106	1112416	40.23	ug/l	100
68) o-Xylene	11.95	106	532034	20.14	ug/l	99
69) Styrene	11.97	104	843565	20.00	ug/l	100
70) Isopropylbenzene	12.25	105	1416542	20.21	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	360920	20.07	ug/l	97
72) 1,2,3-Trichloropropane	12.56	75	304285m	21.13	ug/l	
73) Bromobenzene	12.53	156	363010	19.76	ug/l	99
74) n-propylbenzene	12.59	91	1609969	19.85	ug/l	99
75) 2-Chlorotoluene	12.68	91	981626	20.18	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1159161	20.35	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	87724	17.38	ug/l	97
78) 4-Chlorotoluene	12.78	91	967793	19.95	ug/l	100
79) tert-butylbenzene	13.00	119	984087	19.91	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	1171303	20.37	ug/l	99
81) sec-Butylbenzene	13.17	105	1341410	20.20	ug/l	99
82) p-Isopropyltoluene	13.29	119	1146530	19.97	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	623914	19.57	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	591992	19.39	ug/l	99
85) n-Butylbenzene	13.62	91	877162	18.77	ug/l	100
86) Hexachloroethane	13.88	117	218662	20.02	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	624766	20.35	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	52001	19.41	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	301155	19.42	ug/l	96
90) Hexachlorobutadiene	15.01	225	195626	19.83	ug/l	98
91) Naphthalene	15.14	128	613378	17.95	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	303761	19.53	ug/l	98

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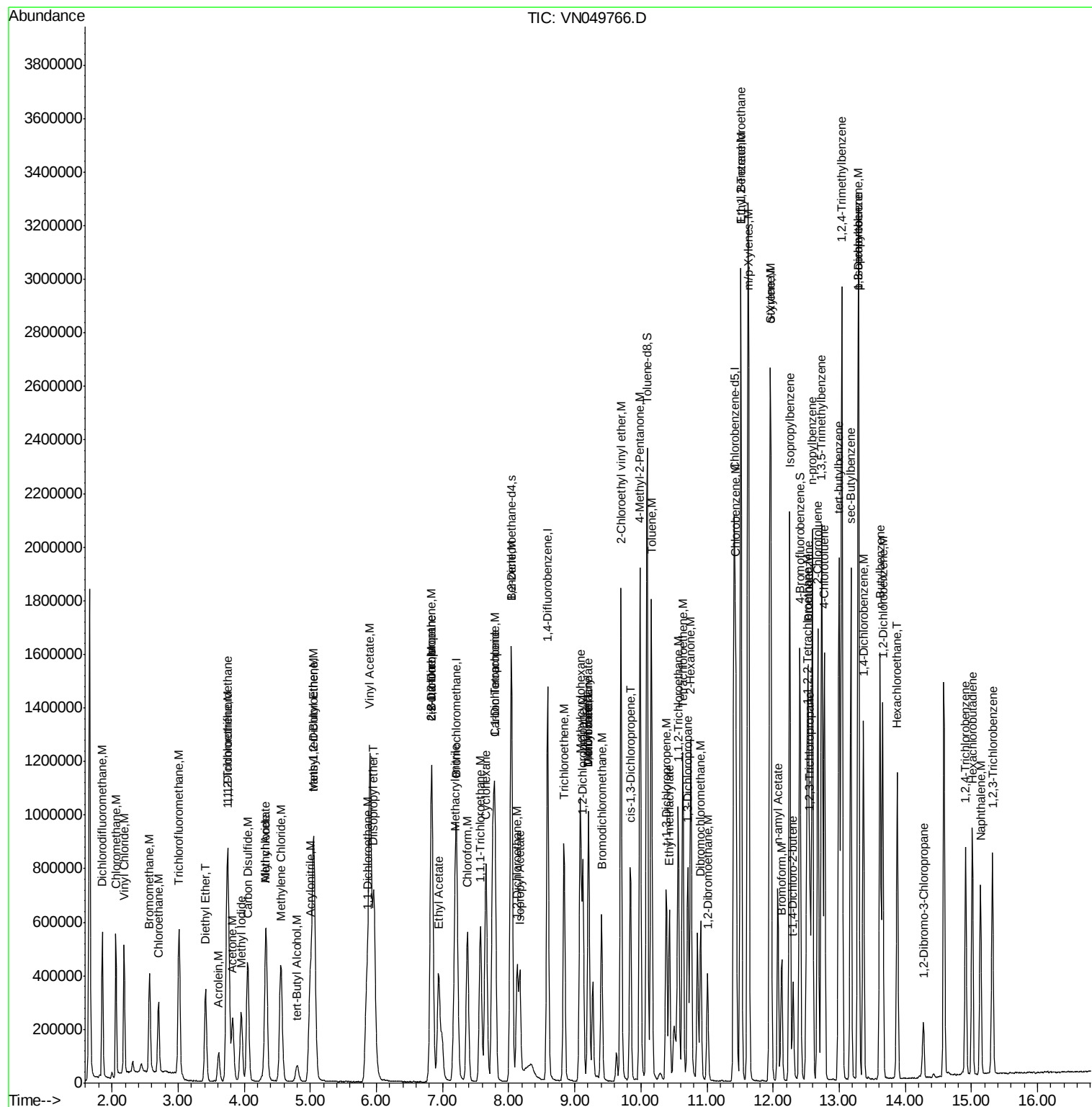
Quant Time: Jul 12 02:39:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 12 01:52:12 2018
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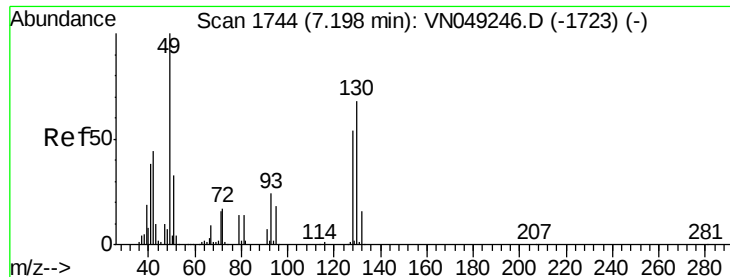
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 12 01:52:12 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

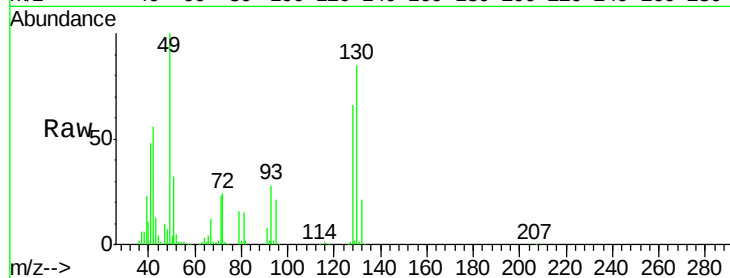
Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

Tot Ion:128 Resp: 250501

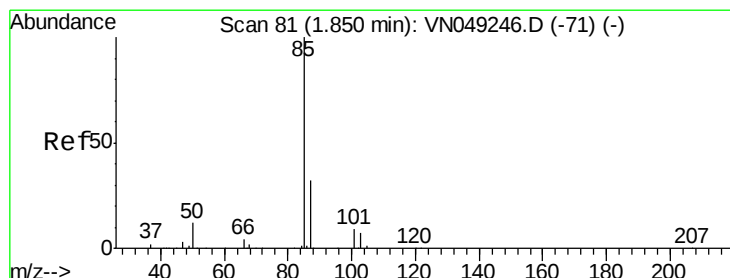
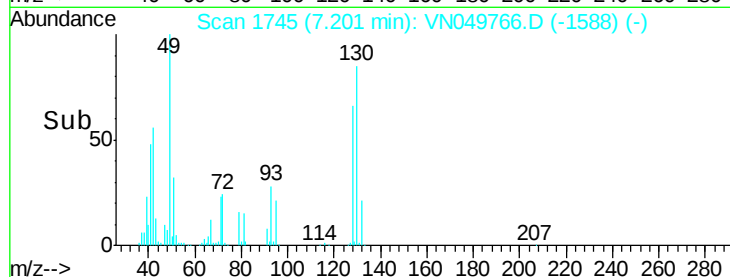
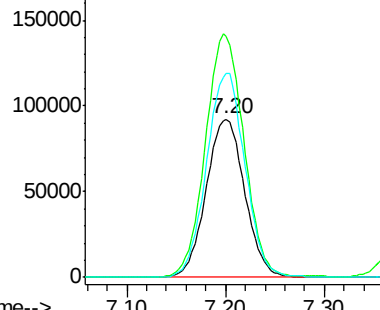
Ion	Ratio	Lower	Upper
128	100		
49	153.3	0.0	378.3
130	129.0	0.0	320.7



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: 21.93 ug/l

RT: 1.85 min Scan# 82

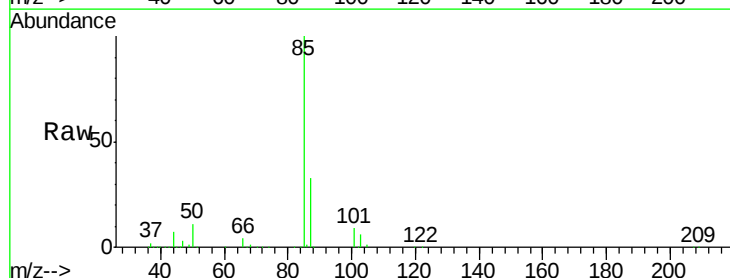
Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

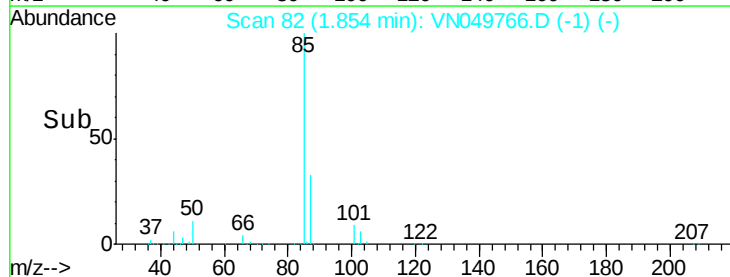
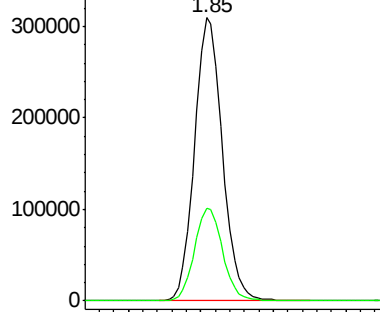
Tgt Ion: 85 Resp: 411134

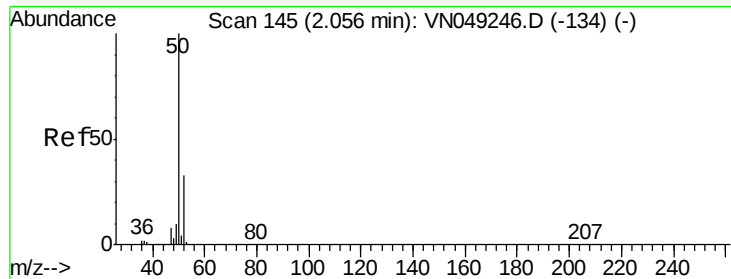
Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.4	46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.65 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049766.D

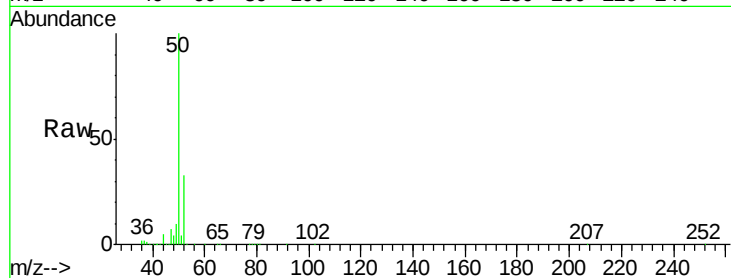
Acq: 11 Jul 2018 19:29

Tot Ion: 50 Resp: 400007

Ion Ratio Lower Upper

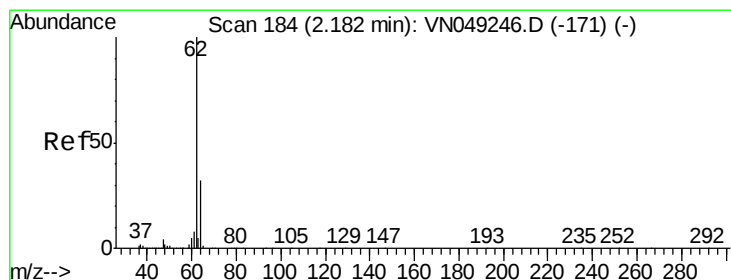
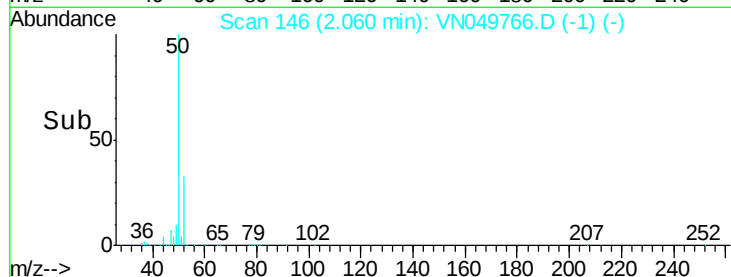
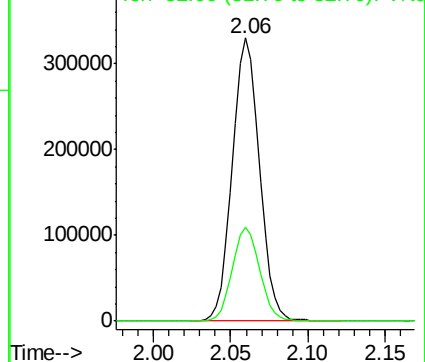
50 100

52 33.3 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.56 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049766.D

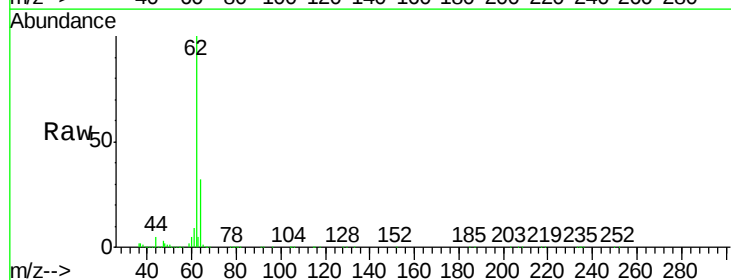
Acq: 11 Jul 2018 19:29

Tgt Ion: 62 Resp: 421563

Ion Ratio Lower Upper

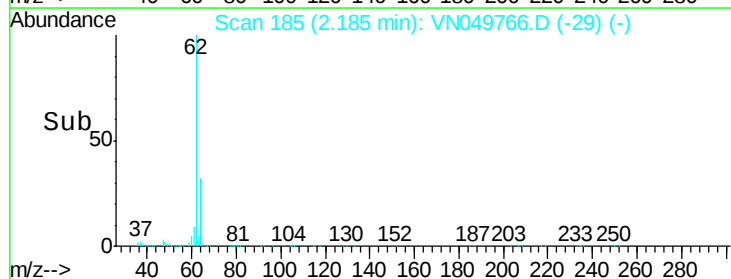
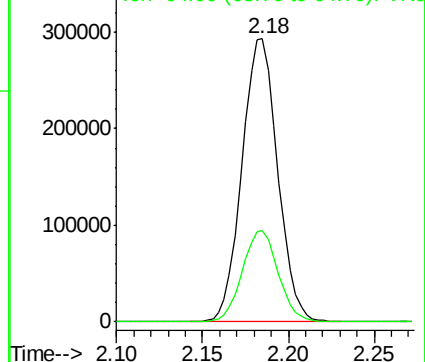
62 100

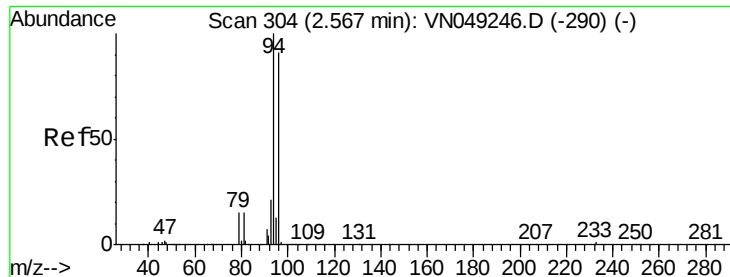
64 32.2 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.96 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049766.D

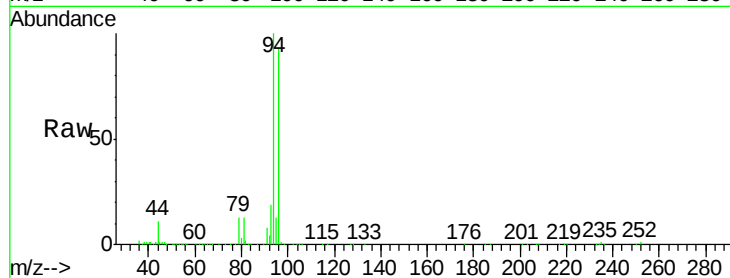
Acq: 11 Jul 2018 19:29

Tot Ion: 94 Resp: 246915

Ion Ratio Lower Upper

94 100

96 92.5 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN049766.D (-148) (-)

Ion 96.00 (95.70 to 96.70): VN049766.D (-148) (-)

150000

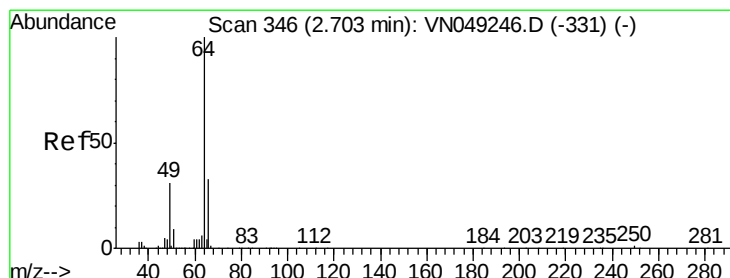
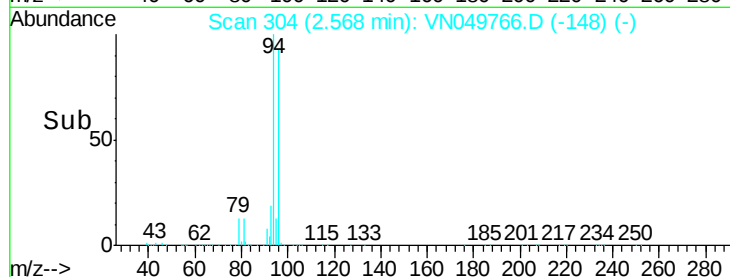
2.57

100000

50000

0

Time-->



#6

Chloroethane

Concen: 20.61 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049766.D

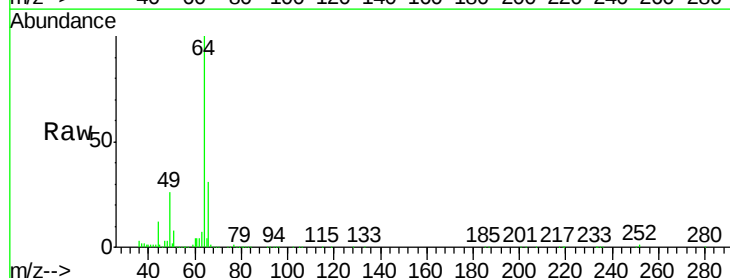
Acq: 11 Jul 2018 19:29

Tgt Ion: 64 Resp: 245156

Ion Ratio Lower Upper

64 100

66 31.0 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN049766.D (-190) (-)

Ion 66.00 (65.70 to 66.70): VN049766.D (-190) (-)

150000

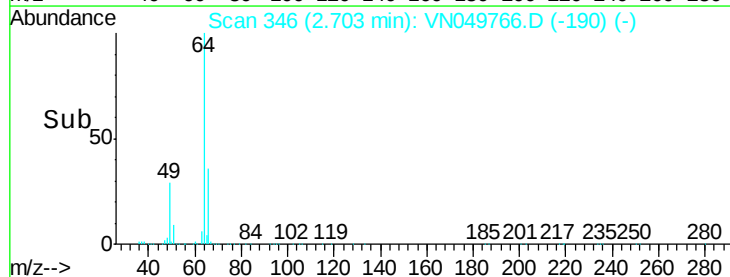
2.70

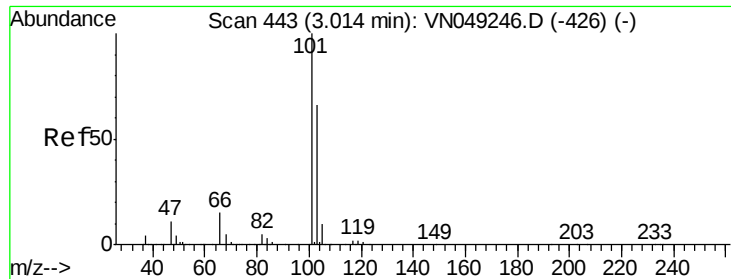
100000

50000

0

Time-->

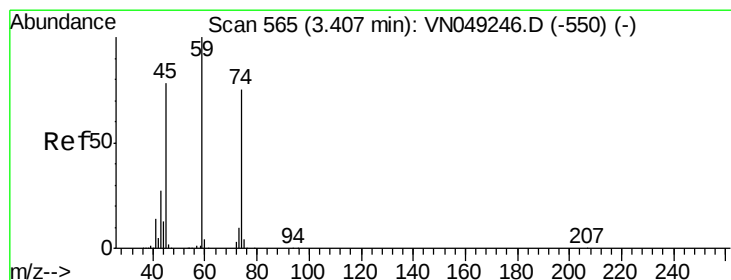
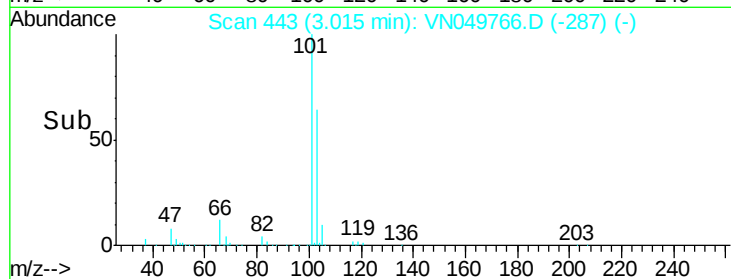
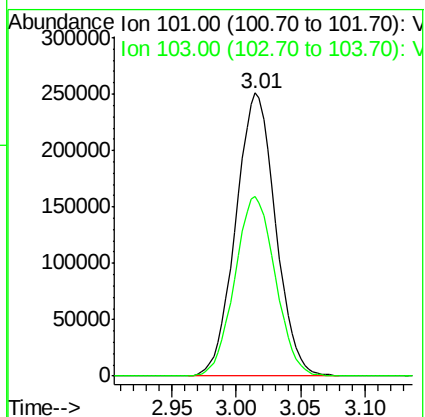
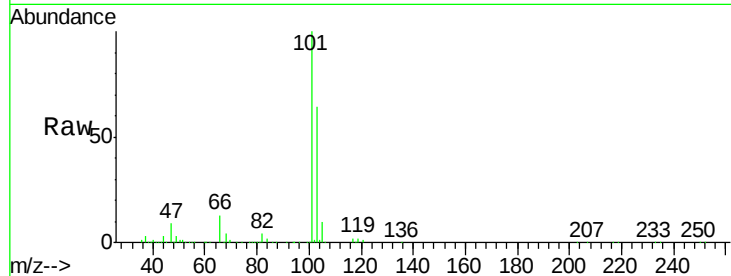




#7

Trichlorofluoromethane
Concen: 20.82 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

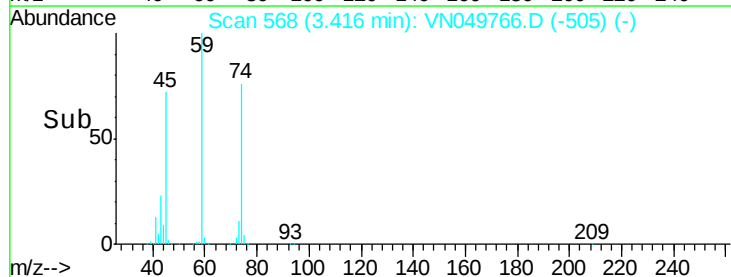
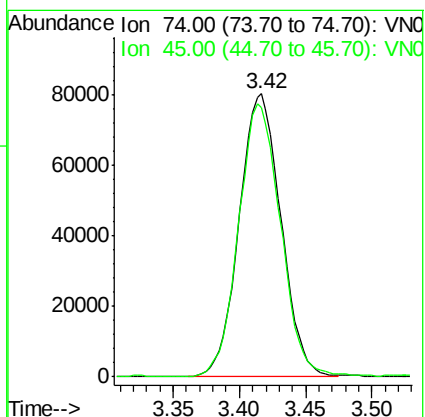
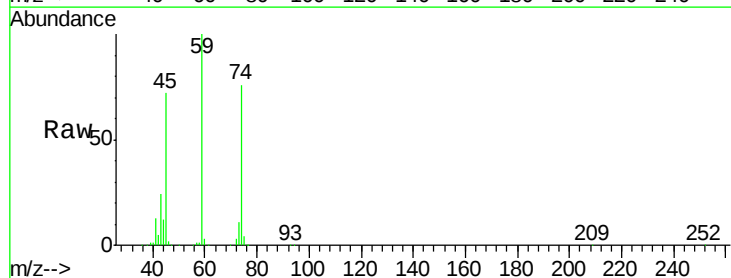
Tot Ion:101 Resp: 539872
Ion Ratio Lower Upper
101 100
103 63.4 51.5 77.3

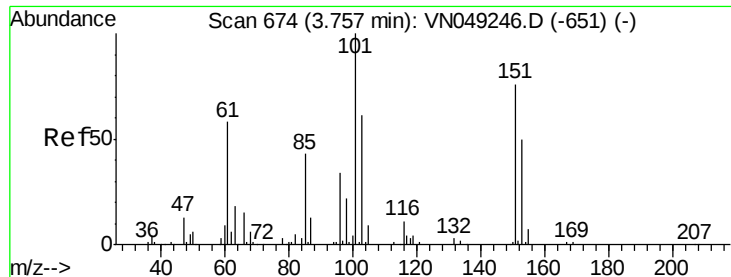


#8

Diethyl Ether
Concen: 19.91 ug/l
RT: 3.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tgt Ion: 74 Resp: 176443
Ion Ratio Lower Upper
74 100
45 97.4 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.58 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

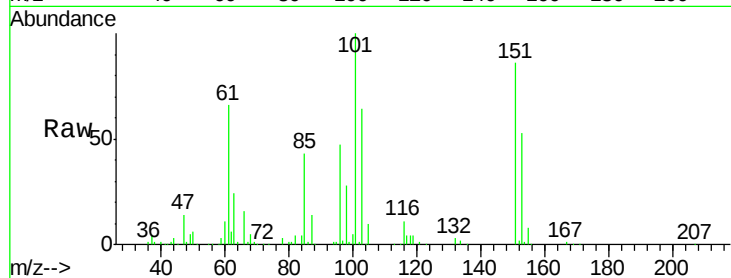
Tot Ion:101 Resp: 321302

Ion Ratio Lower Upper

101 100

85 42.8 0.0 83.0

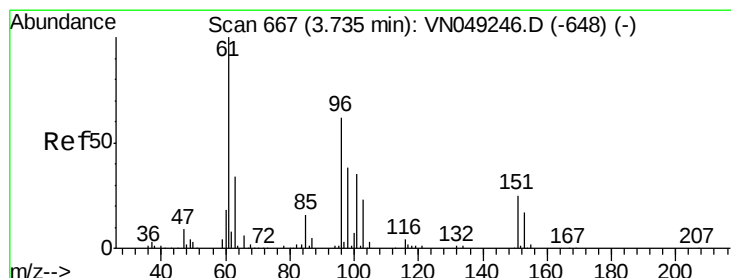
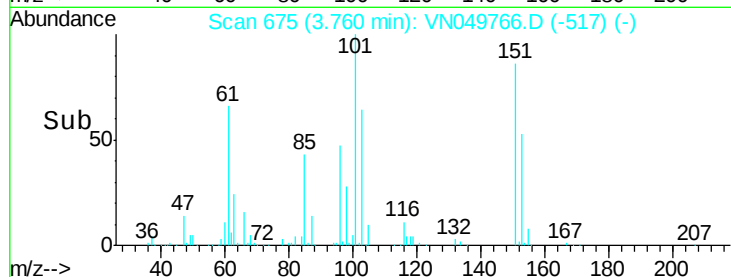
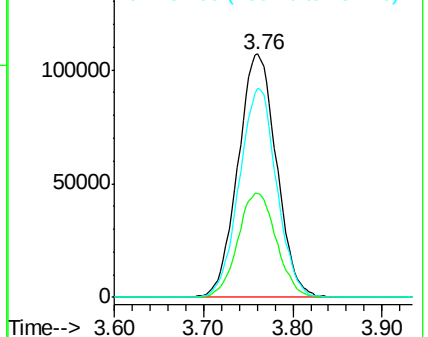
151 83.5 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.55 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

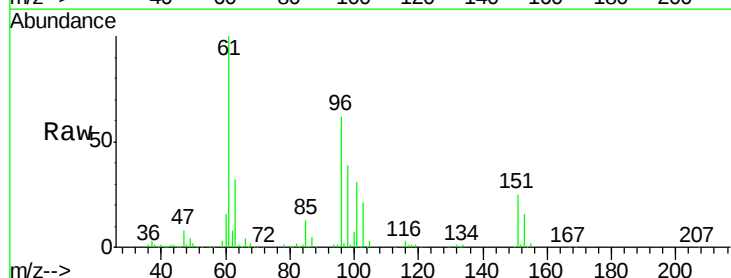
Tgt Ion: 96 Resp: 295549

Ion Ratio Lower Upper

96 100

61 161.6 130.6 195.8

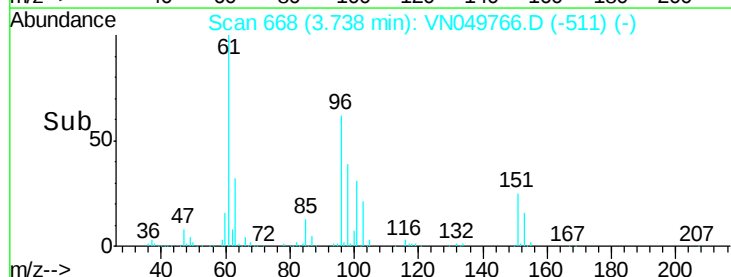
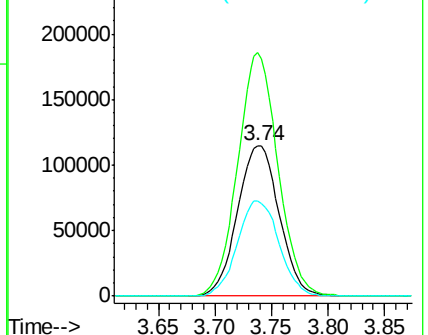
98 63.4 53.5 80.3

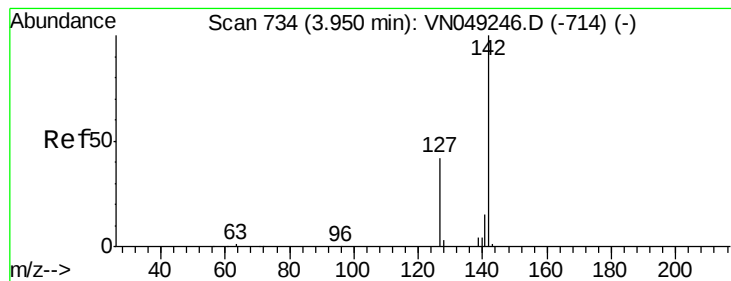


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#11

Methyl Iodide

Concen: 19.71 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

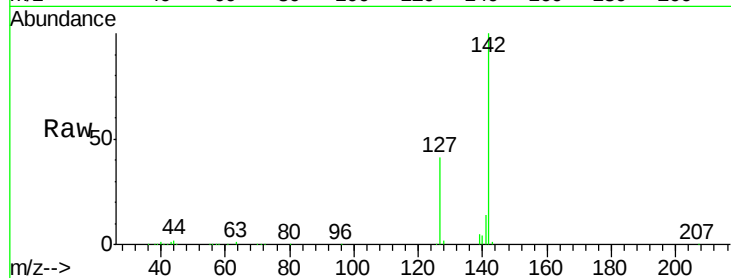
Tot Ion:142 Resp: 421346

Ion Ratio Lower Upper

142 100

127 41.3 20.2 60.5

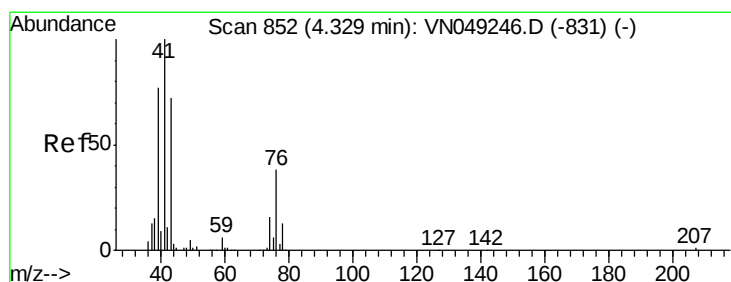
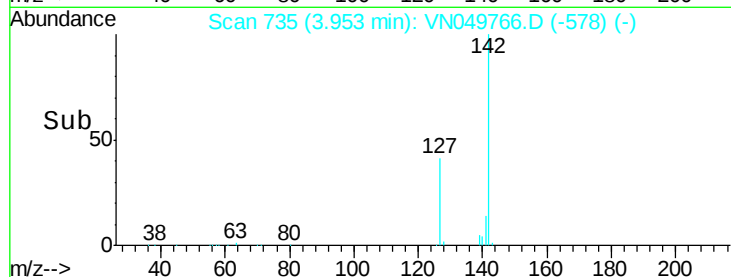
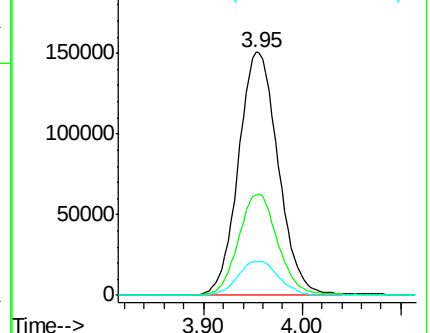
141 13.8 6.9 20.6



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: 20.99 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049766.D

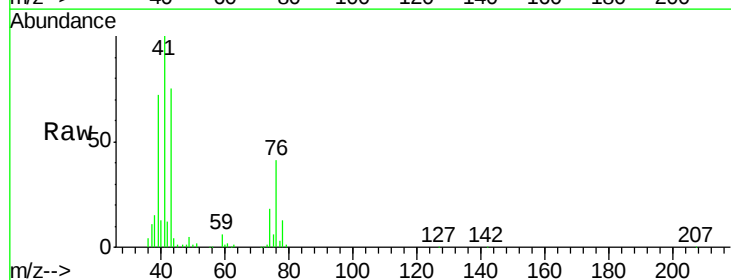
Acq: 11 Jul 2018 19:29

Tgt Ion: 43 Resp: 294928

Ion Ratio Lower Upper

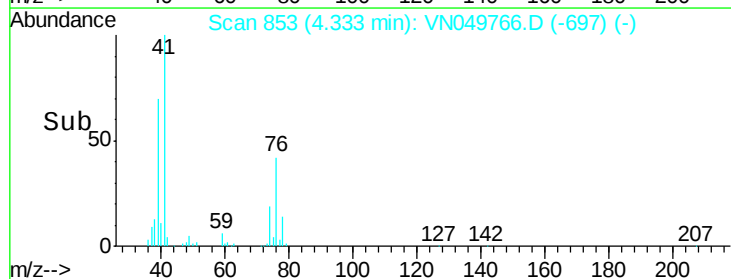
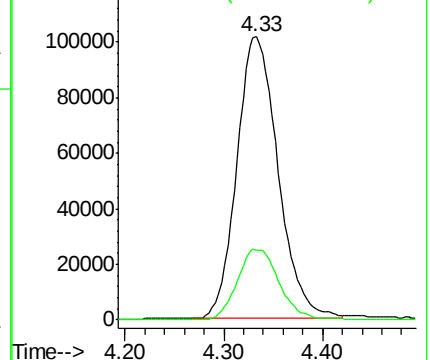
43 100

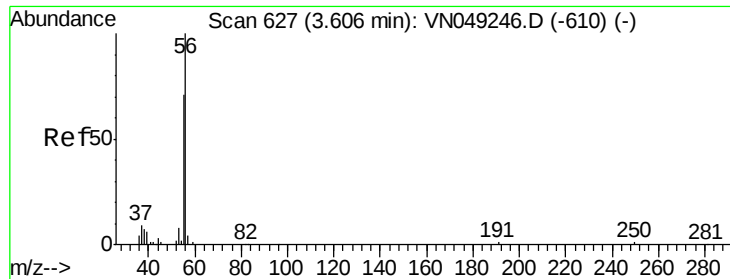
74 24.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 84.61 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN049766.D

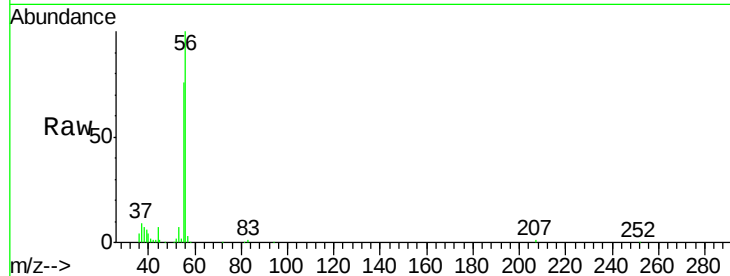
Acq: 11 Jul 2018 19:29

Tot Ion: 56 Resp: 124351

Ion Ratio Lower Upper

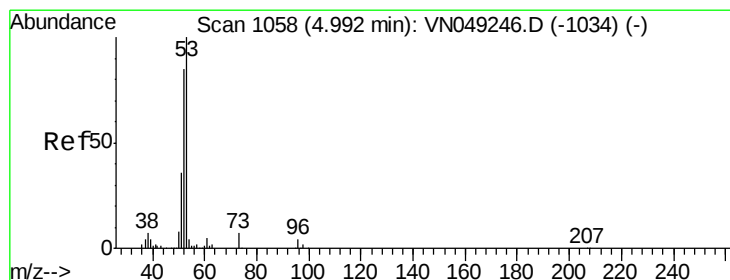
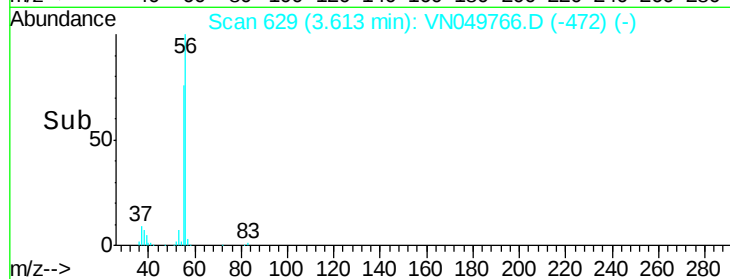
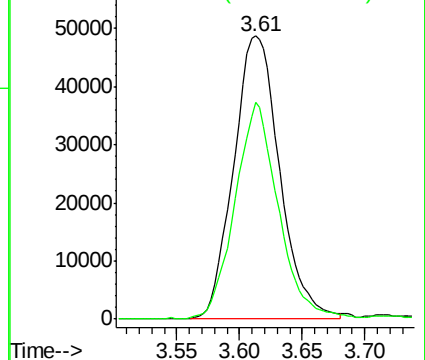
56 100

55 72.3 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.78 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

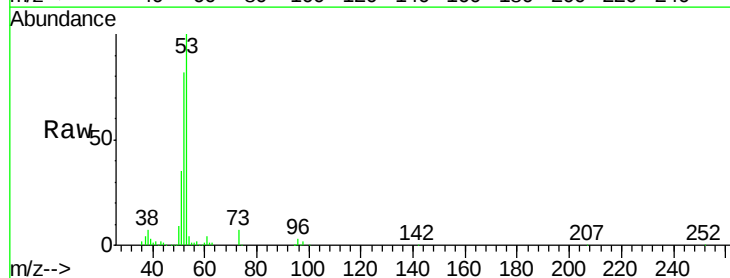
Tgt Ion: 53 Resp: 502967

Ion Ratio Lower Upper

53 100

52 82.0 41.5 124.5

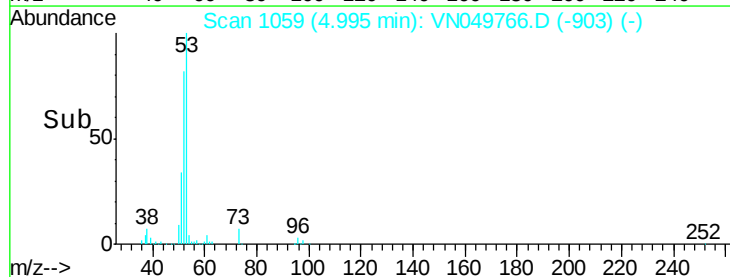
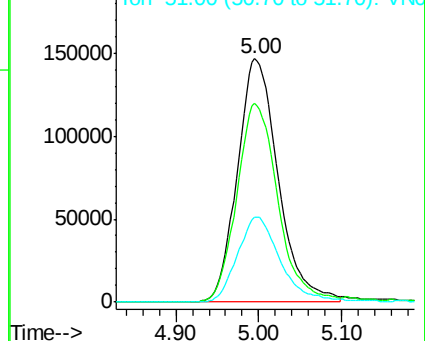
51 36.6 18.7 56.1

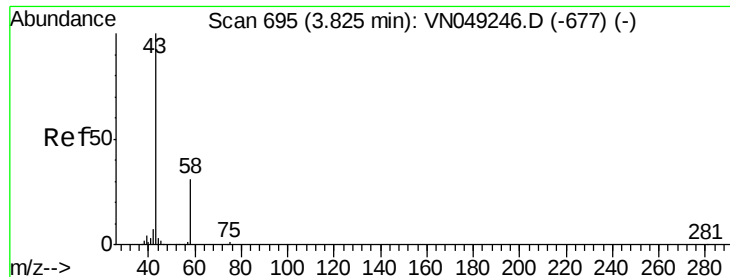


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 94.67 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049766.D

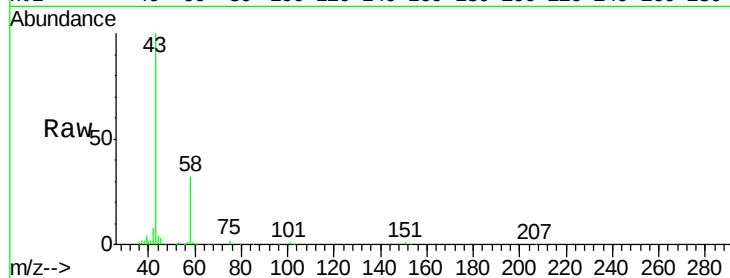
Acq: 11 Jul 2018 19:29

Tot Ion: 58 Resp: 120398

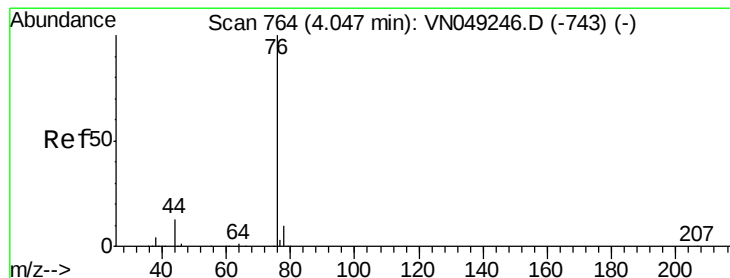
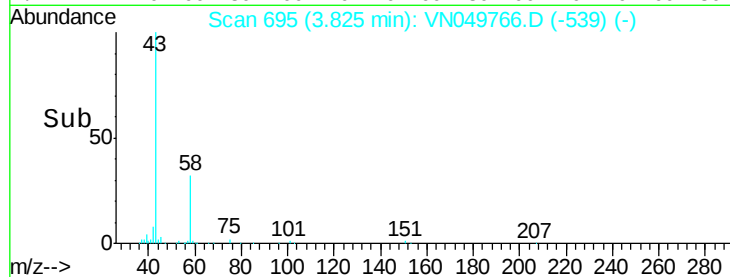
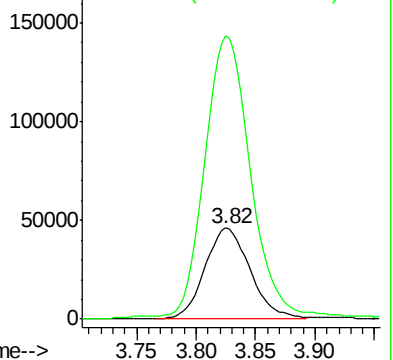
Ion Ratio Lower Upper

58 100

43 308.6 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN049766.D (-677) (-)



#16

Carbon Disulfide

Concen: 20.36 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049766.D

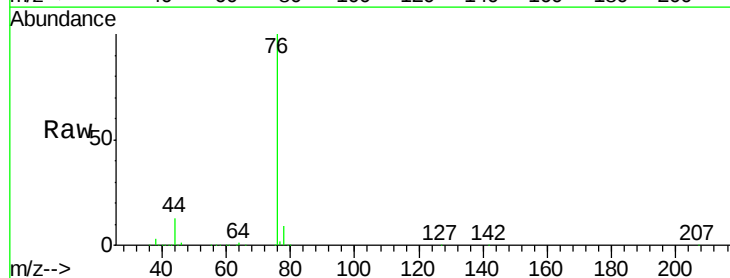
Acq: 11 Jul 2018 19:29

Tgt Ion: 76 Resp: 905164

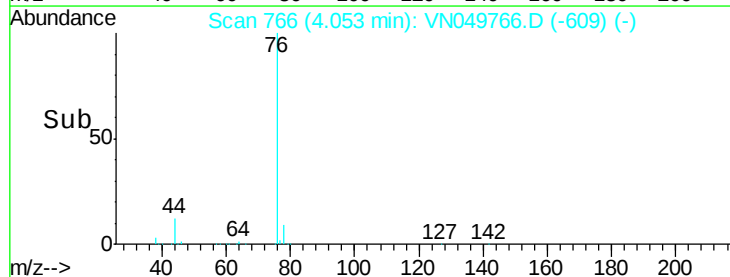
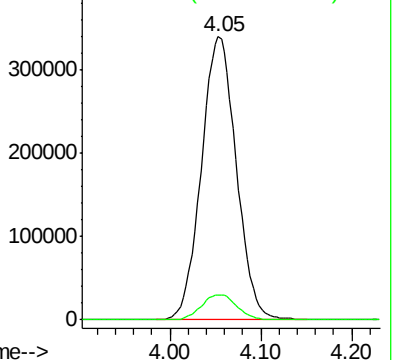
Ion Ratio Lower Upper

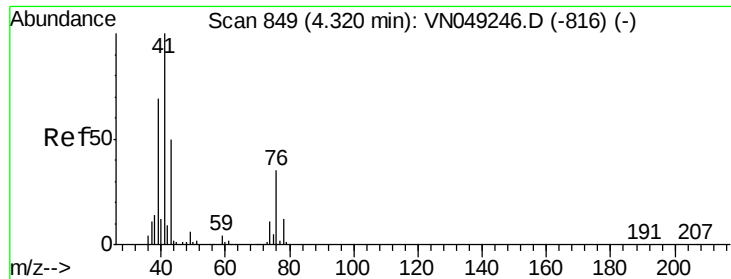
76 100

78 8.7 7.3 10.9



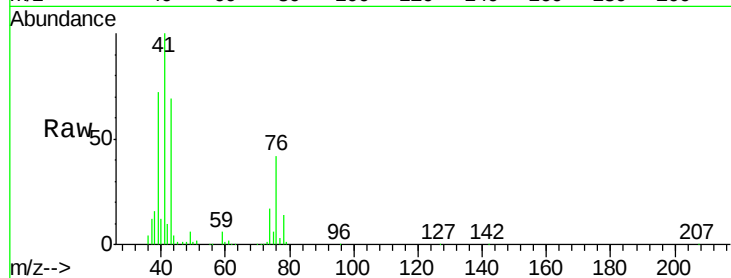
Abundance Ion 76.00 (75.70 to 76.70): VN049766.D (-743) (-)



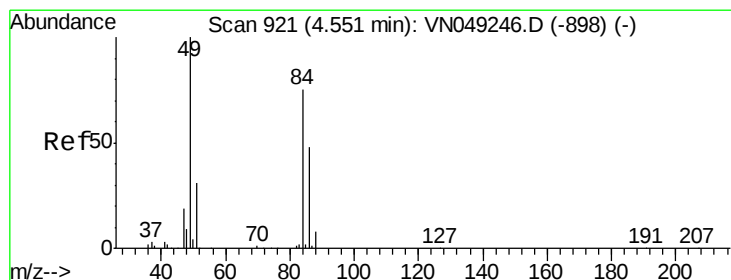
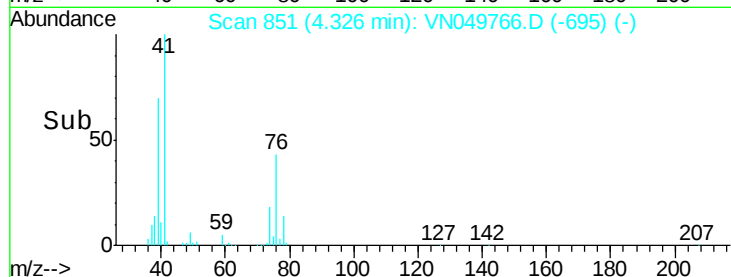
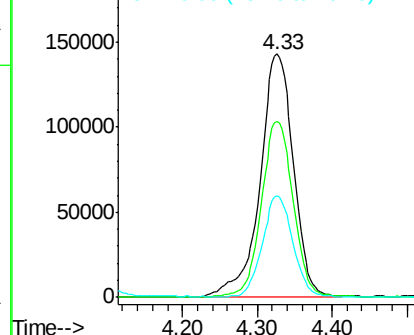


#17
Allvl chloride
Concen: 19.54 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tot Ion: 41 Resp: 443762
Ion Ratio Lower Upper
41 100
39 72.4 35.4 106.3
76 41.5 19.7 59.1

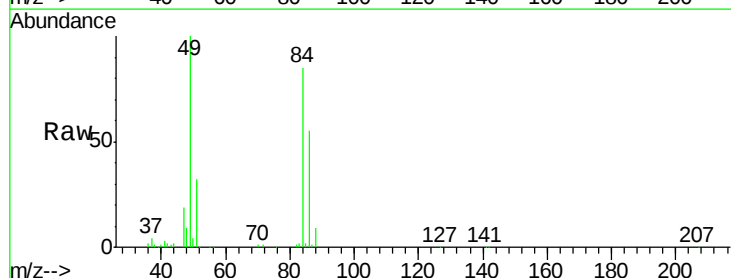


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 76.00 (75.70 to 76.70): VNC

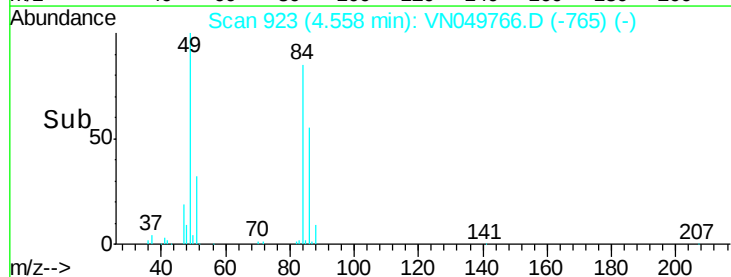
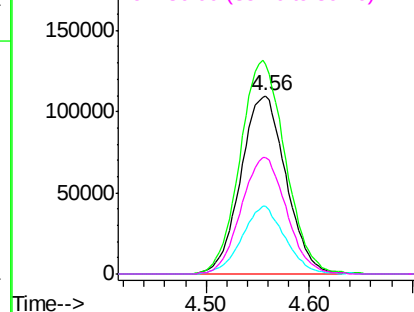


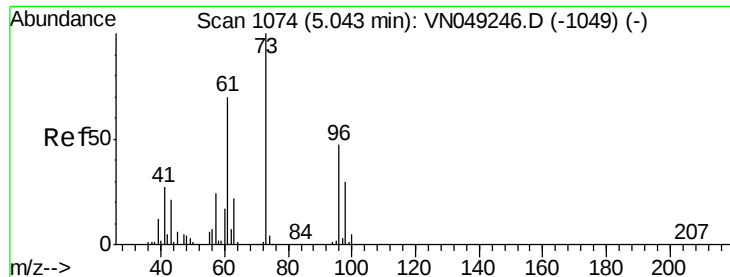
#18
Methylene Chloride
Concen: 19.59 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tgt Ion: 84 Resp: 334331
Ion Ratio Lower Upper
84 100
49 117.9 95.1 142.7
51 37.9 28.8 43.2
86 65.3 52.3 78.5



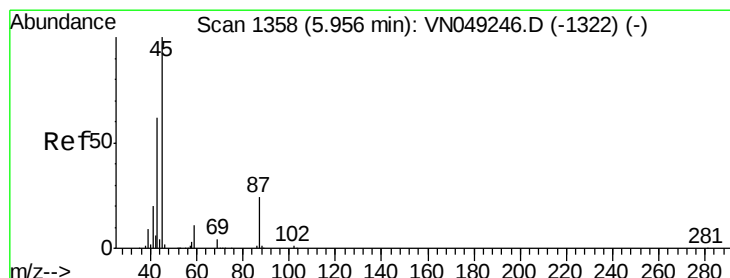
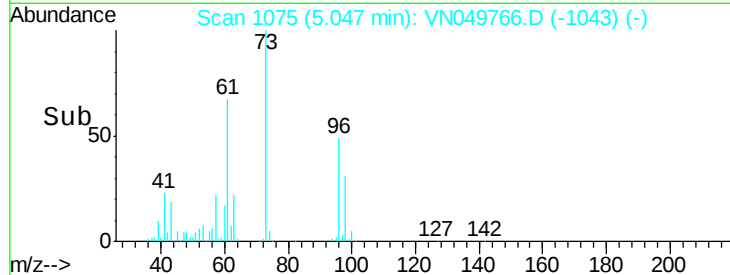
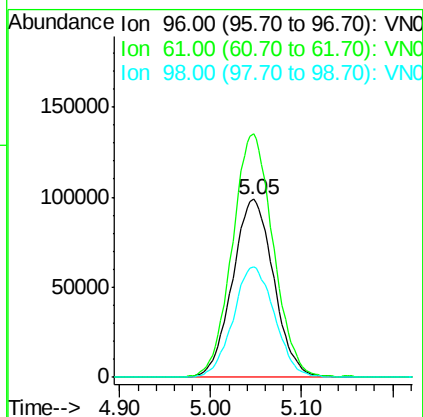
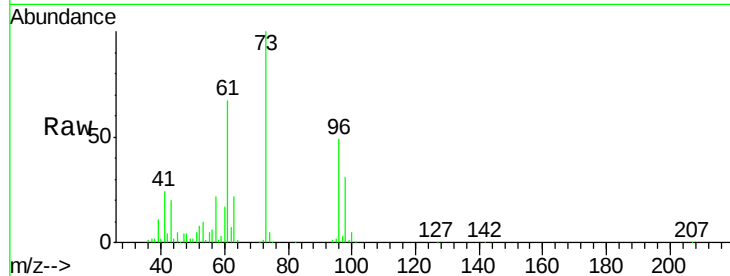
Abundance Ion 84.00 (83.70 to 84.70): VNC
Ion 49.00 (48.70 to 49.70): VNC
Ion 51.00 (50.70 to 51.70): VNC
Ion 86.00 (85.70 to 86.70): VNC





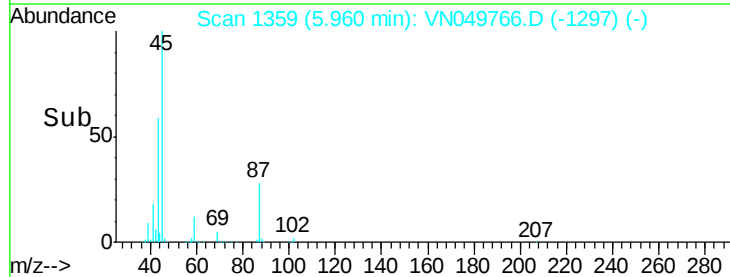
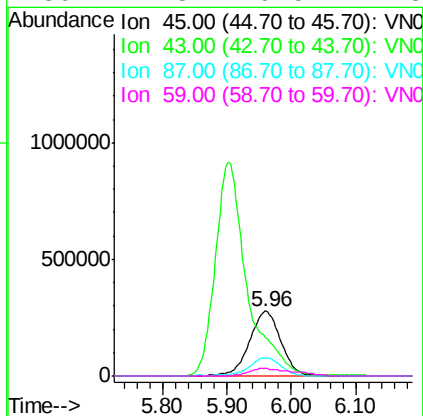
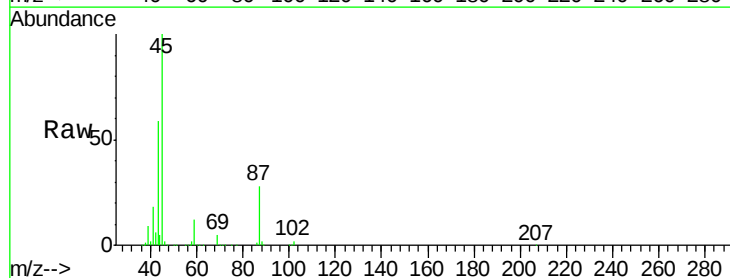
#19
trans-1,2-Dichloroethene
Concen: 20.48 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

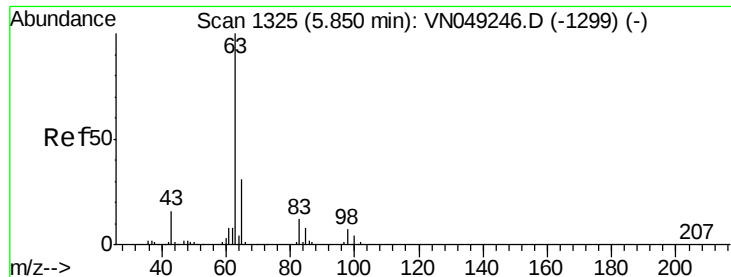
Tot Ion: 96 Resp: 310984
Ion Ratio Lower Upper
96 100
61 136.3 112.1 168.1
98 62.1 51.3 76.9



#20
Diisopropyl ether
Concen: 20.62 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tgt Ion: 45 Resp: 944913
Ion Ratio Lower Upper
45 100
43 58.0 46.6 70.0
87 27.7 22.3 33.5
59 11.8 9.5 14.3





#21

1,1-Dichloroethane

Concen: 20.66 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

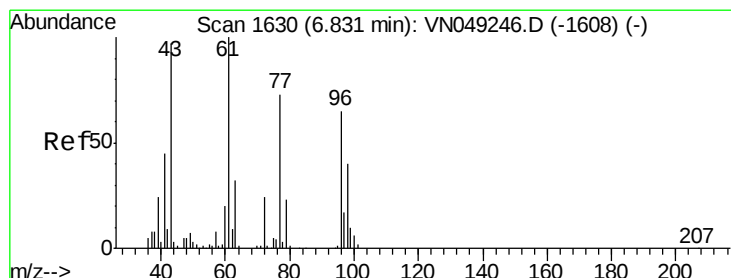
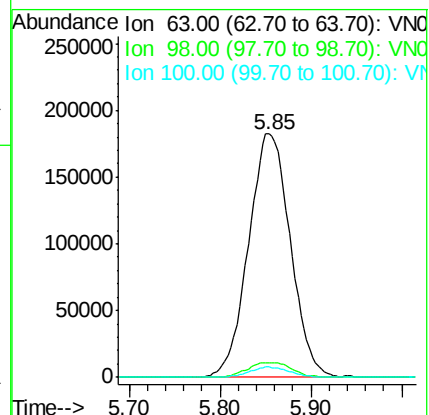
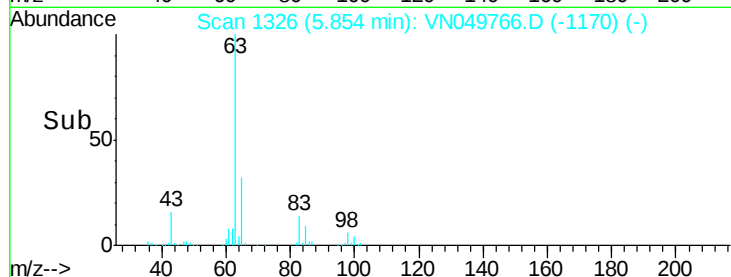
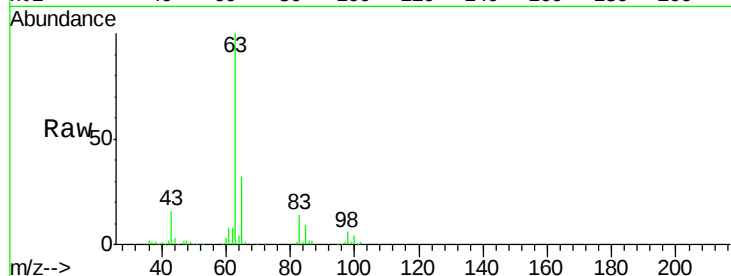
Tot Ion: 63 Resp: 581429

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.6

100 4.1 2.3 6.8



#22

cis-1,2-Dichloroethene

Concen: 20.24 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

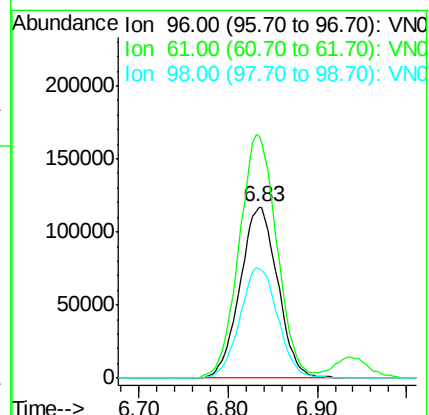
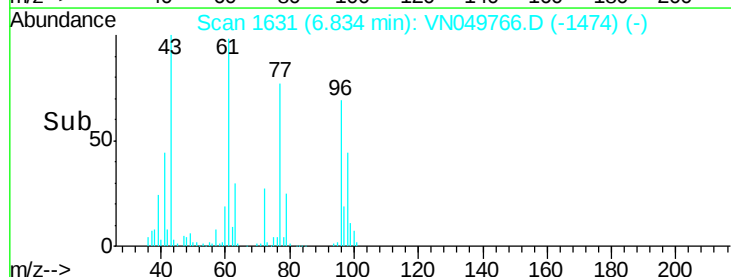
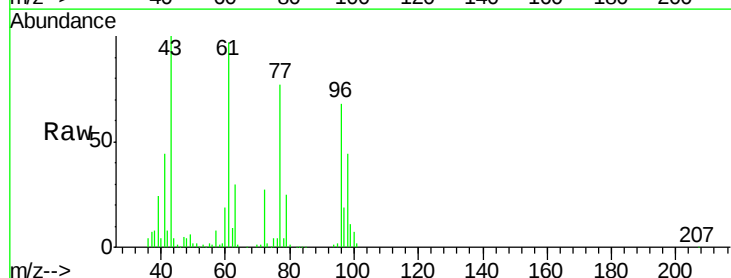
Tgt Ion: 96 Resp: 342340

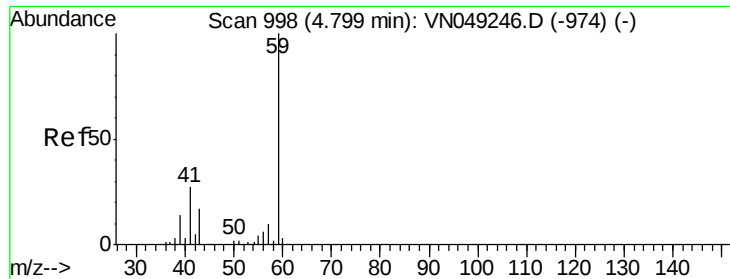
Ion Ratio Lower Upper

96 100

61 142.2 114.2 171.2

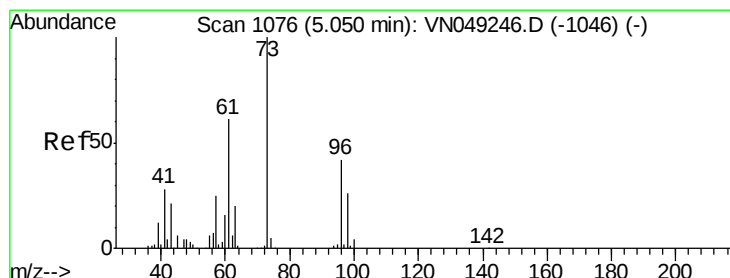
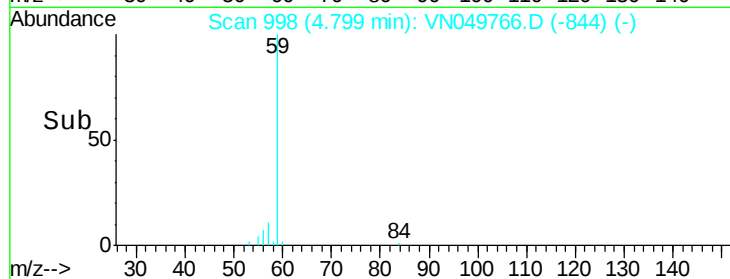
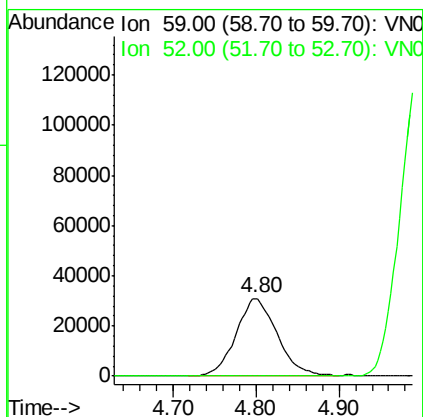
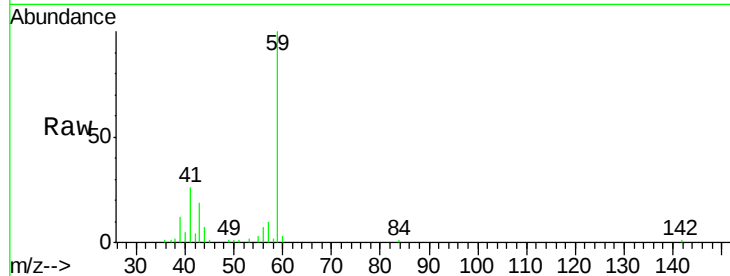
98 65.0 51.7 77.5





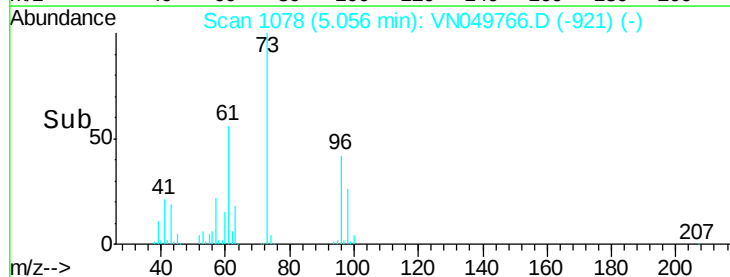
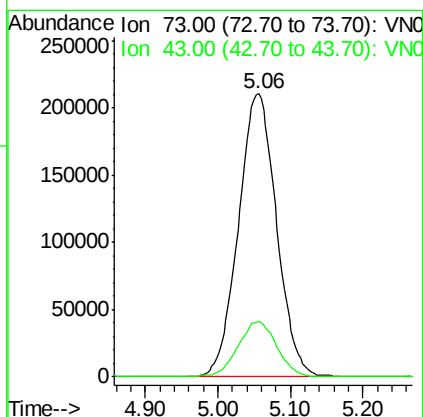
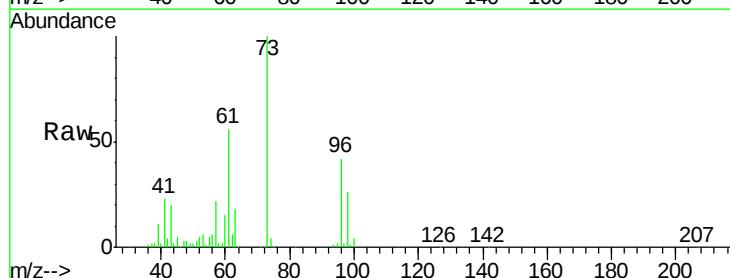
#23
 tert-Butyl Alcohol
 Concen: 101.70 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN049766.D
 Acq: 11 Jul 2018 19:29

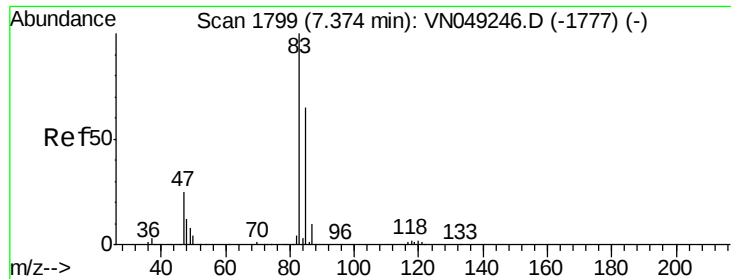
Tot Ion: 59 Resp: 107392
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1



#24
 Methyl tert-Butyl Ether
 Concen: 20.16 ug/l
 RT: 5.06 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VN049766.D
 Acq: 11 Jul 2018 19:29

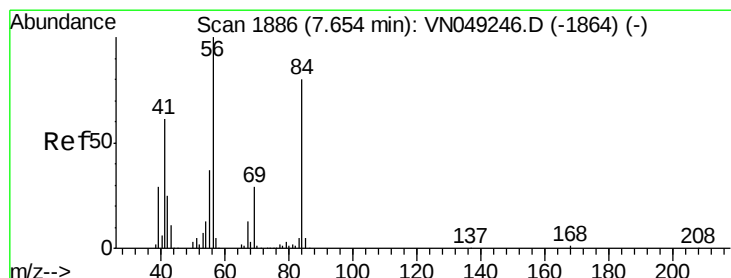
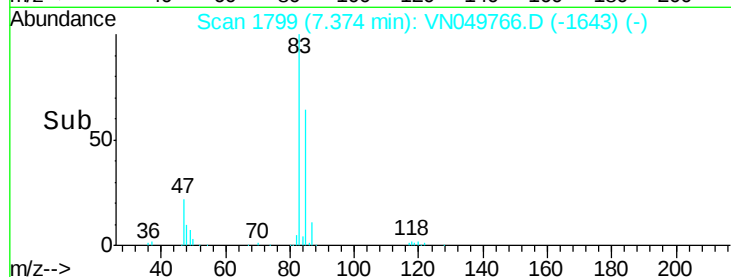
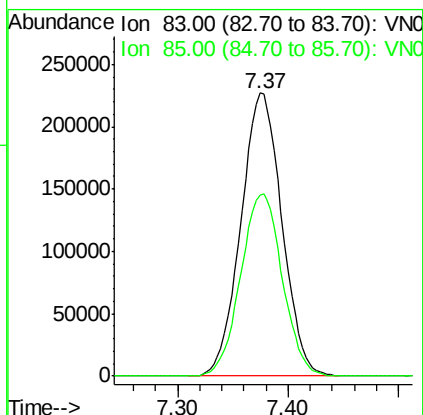
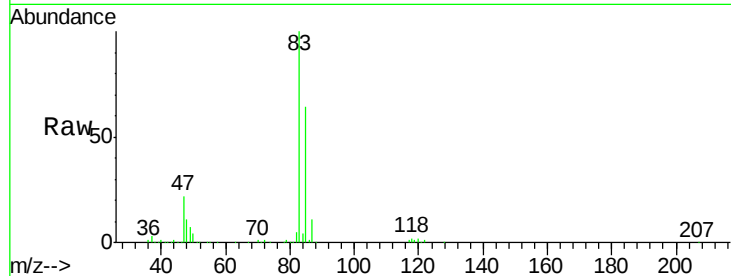
Tgt Ion: 73 Resp: 771144
 Ion Ratio Lower Upper
 73 100
 43 19.1 15.5 23.3





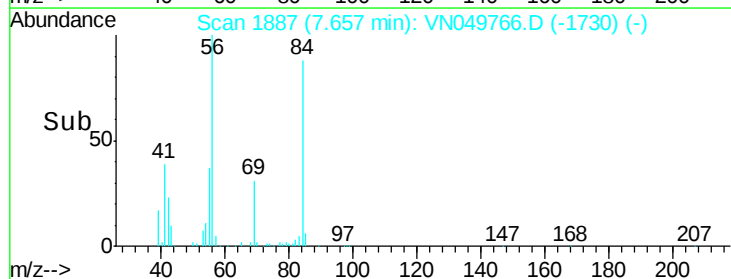
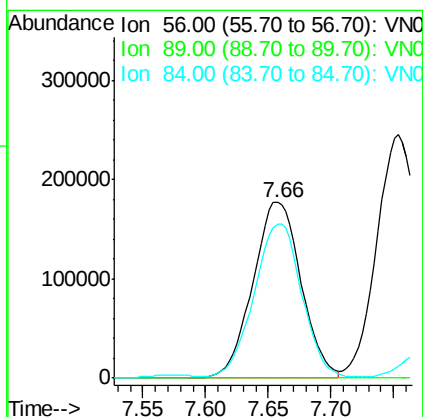
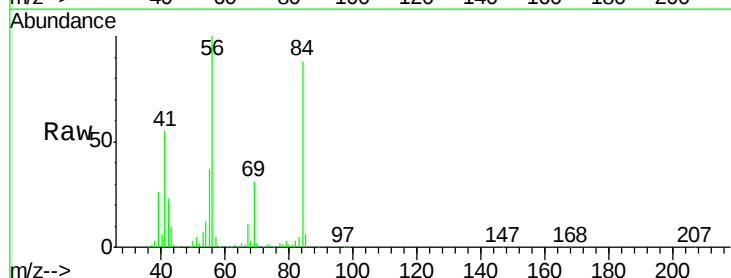
#25
Chloroform
Concen: 20.63 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

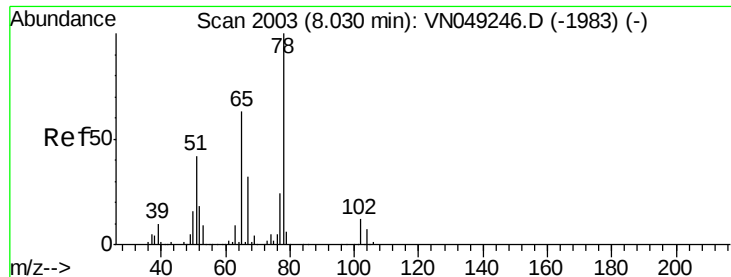
Tot Ion: 83 Resp: 585991
Ion Ratio Lower Upper
83 100
85 64.1 52.1 78.1



#26
Cyclohexane
Concen: 19.99 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tgt Ion: 56 Resp: 474898
Ion Ratio Lower Upper
56 100
89 0.2 3.0 4.4#
84 85.9 69.8 104.8





#27

1,2-Dichloroethane-d4

Concen: 30.55 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049766.D

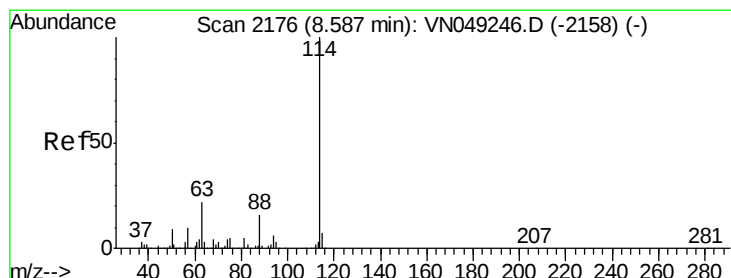
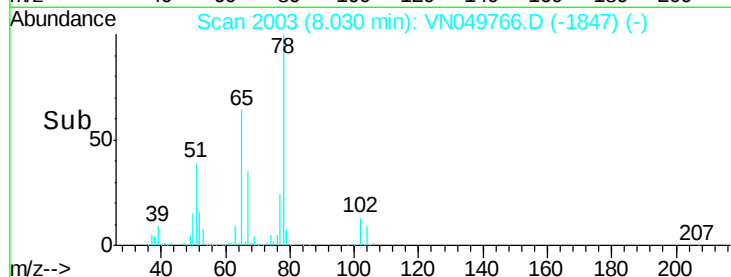
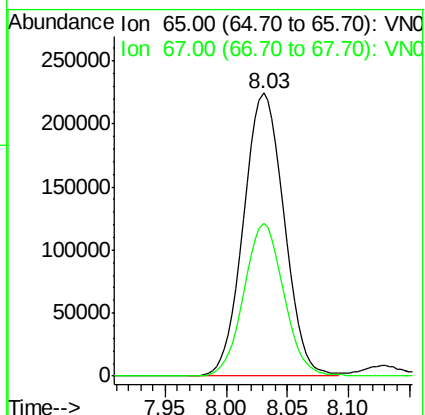
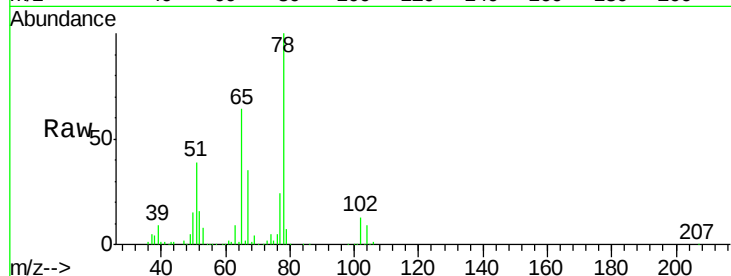
Acq: 11 Jul 2018 19:29

Tot Ion: 65 Resp: 517311

Ion Ratio Lower Upper

65 100

67 52.5 42.7 64.1



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

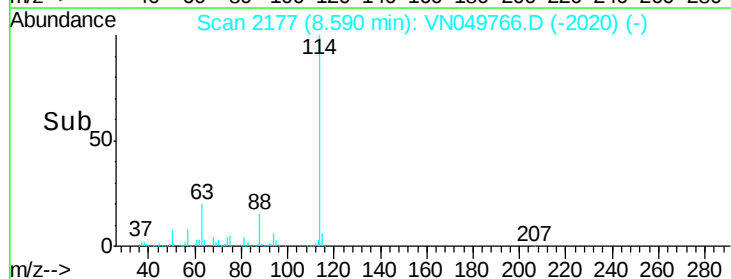
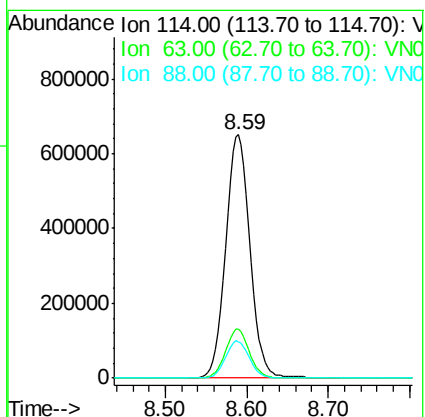
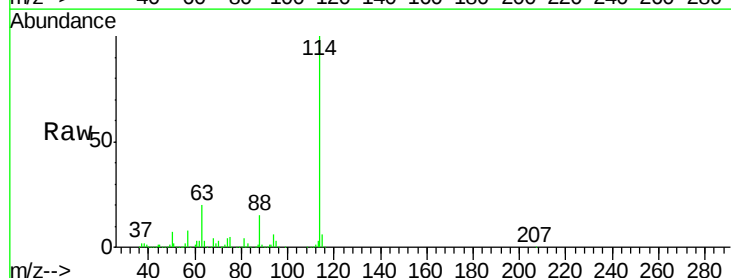
Tgt Ion: 114 Resp: 1369939

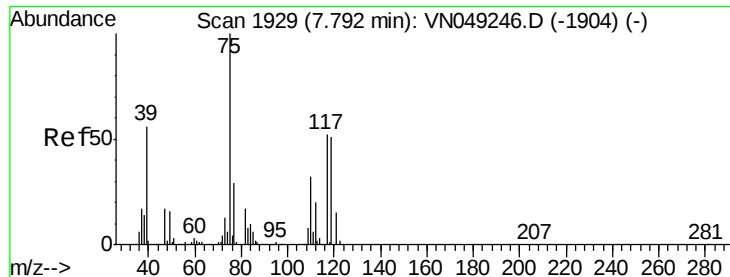
Ion Ratio Lower Upper

114 100

63 19.8 16.2 24.2

88 15.0 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.16 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

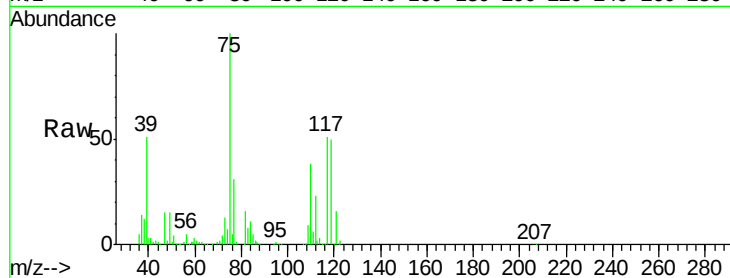
Tot Ion: 75 Resp: 439506

Ion Ratio Lower Upper

75 100

110 36.9 0.0 73.2

77 30.4 0.0 62.0



Abundance Ion 75.00 (74.70 to 75.70): VN049766.D (-1930) (-)

Ion 110.00 (109.70 to 110.70): VN049766.D (-1930) (-)

Ion 77.00 (76.70 to 77.70): VN049766.D (-1930) (-)

250000

200000

150000

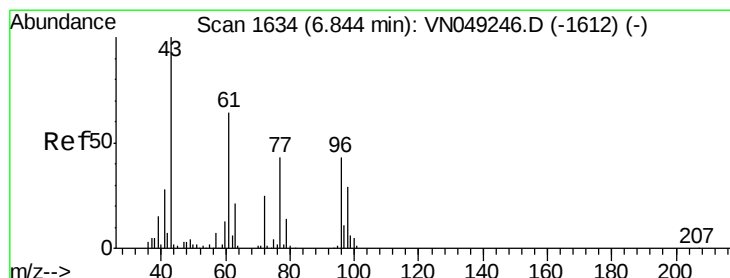
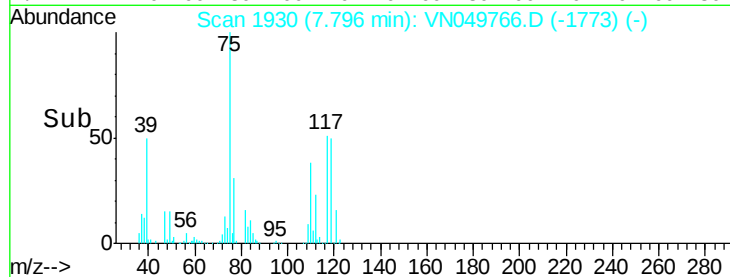
100000

50000

0

7.70 7.80 7.90

Time-->



#30

2-Butanone

Concen: 93.65 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

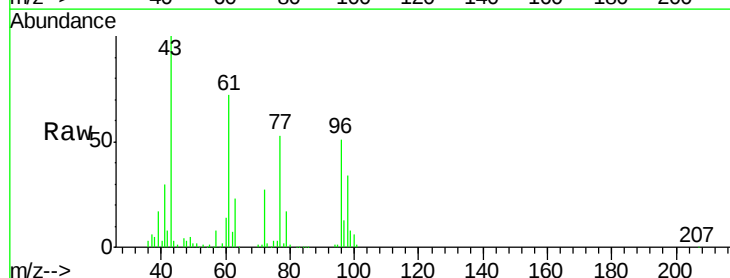
Tgt Ion: 43 Resp: 568737

Ion Ratio Lower Upper

43 100

57 8.3 6.8 10.2

72 27.8 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN049766.D (-1634) (-)

Ion 57.00 (56.70 to 57.70): VN049766.D (-1634) (-)

Ion 72.00 (71.70 to 72.70): VN049766.D (-1634) (-)

250000

200000

150000

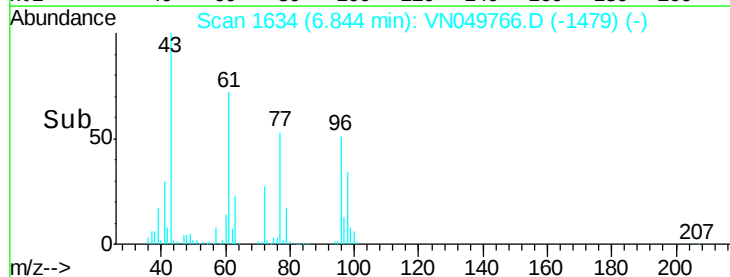
100000

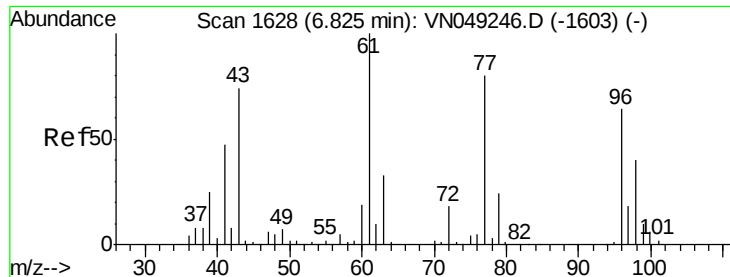
50000

0

6.70 6.75 6.80 6.85 6.90

Time-->





#31

2,2-Dichloropropane

Concen: 18.23 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049766.D

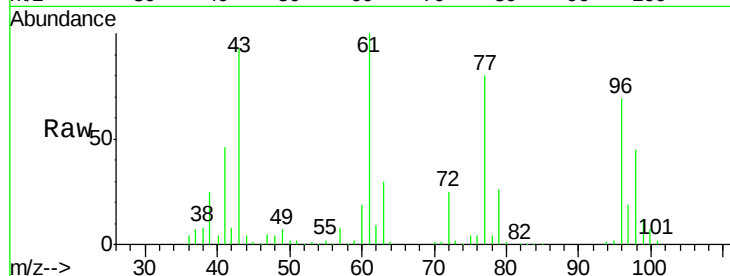
Acq: 11 Jul 2018 19:29

Tot Ion: 77 Resp: 426250

Ion Ratio Lower Upper

77 100

97 23.2 18.9 28.3



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.83

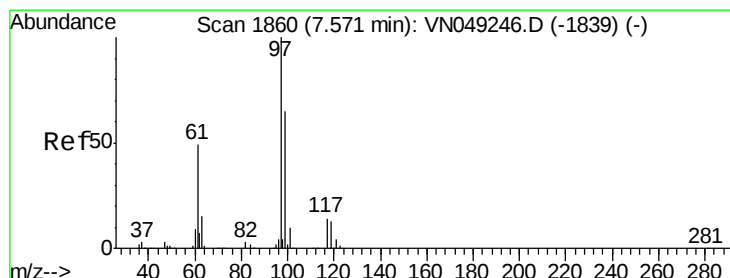
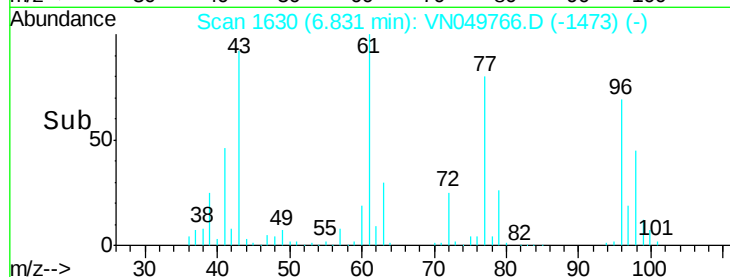
150000

100000

50000

0

Time-->



#32

1,1,1-Trichloroethane

Concen: 20.06 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

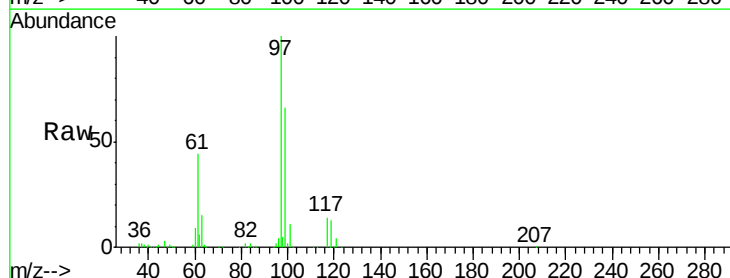
Tgt Ion: 97 Resp: 502725

Ion Ratio Lower Upper

97 100

99 65.0 51.2 76.8

61 43.8 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

7.57

250000

200000

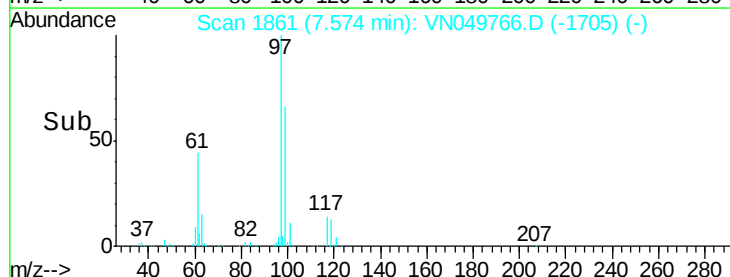
150000

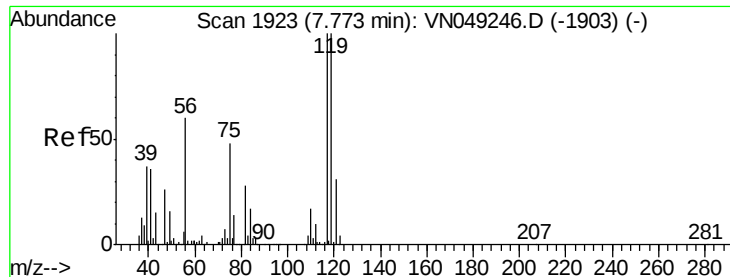
100000

50000

0

Time-->





#33

Carbon Tetrachloride

Concen: 20.11 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

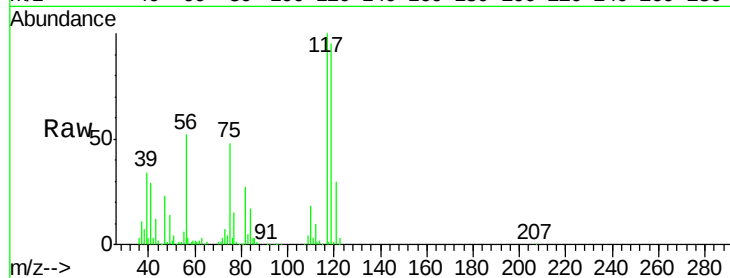
Tot Ion:117 Resp: 446625

Ion Ratio Lower Upper

117 100

119 95.1 76.9 115.3

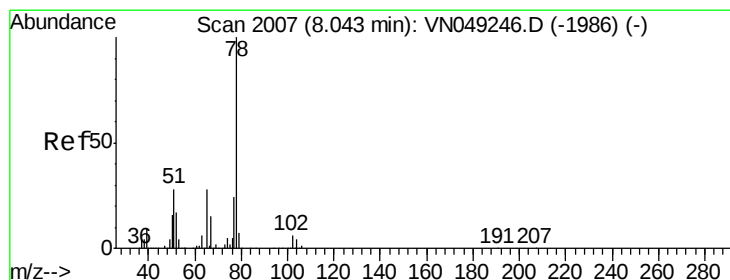
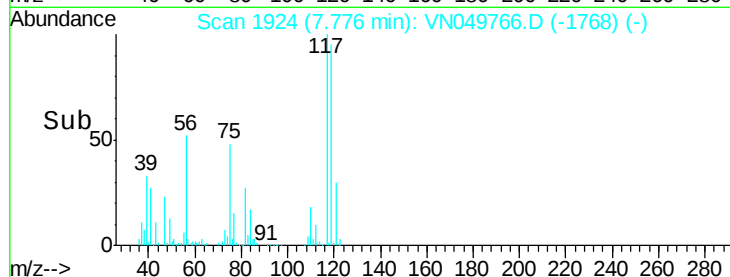
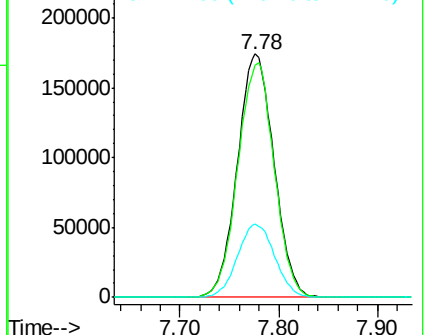
121 29.9 24.4 36.6



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: 20.07 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

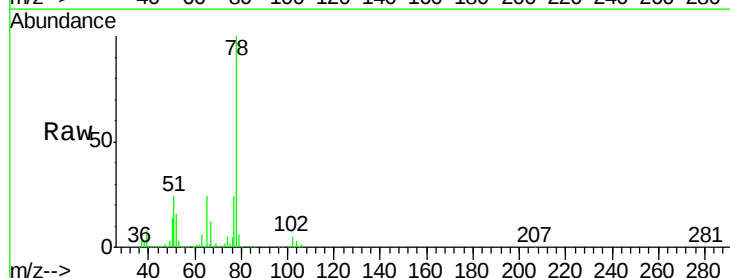
Tgt Ion: 78 Resp: 1312318

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7

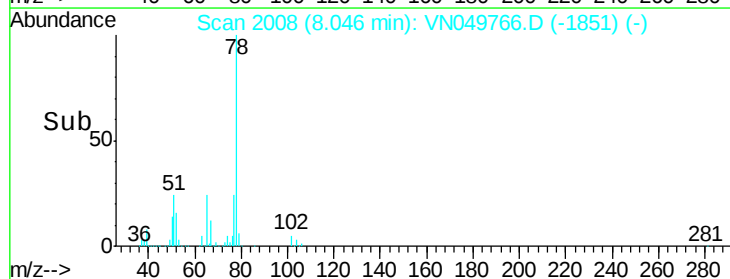
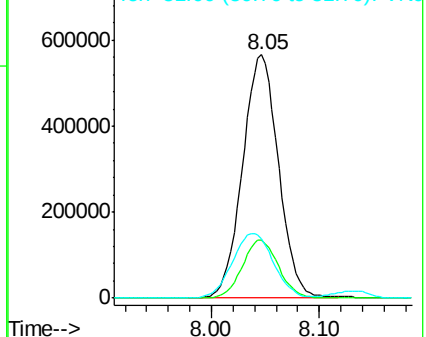
51 24.2 21.0 31.4

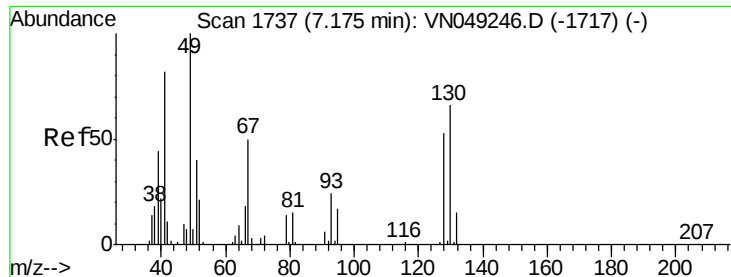


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





#35

Methacrylonitrile

Concen: 19.00 ug/l

RT: 7.18 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

Tot Ion: 41 Resp: 131819

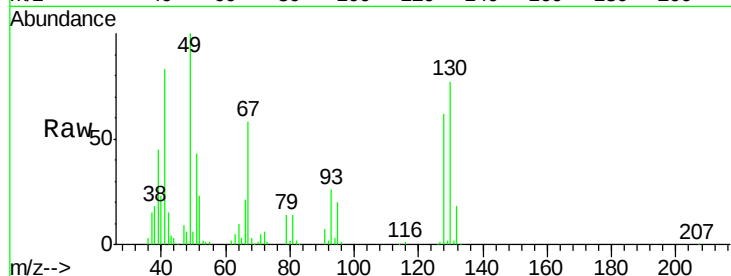
Ion Ratio Lower Upper

41 100

39 53.9 27.6 82.7

67 70.2 35.1 105.5

52 27.2 14.1 42.4

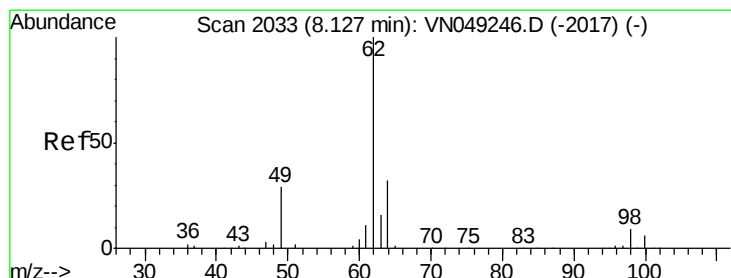
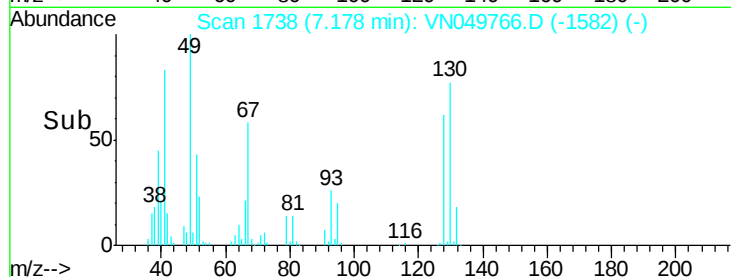
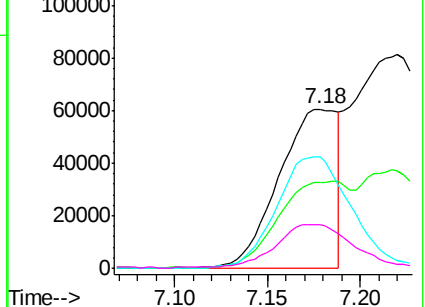


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36

1,2-Dichloroethane

Concen: 20.04 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN049766.D

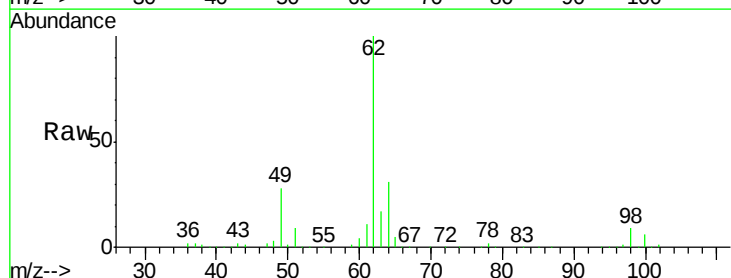
Acq: 11 Jul 2018 19:29

Tgt Ion: 62 Resp: 418158

Ion Ratio Lower Upper

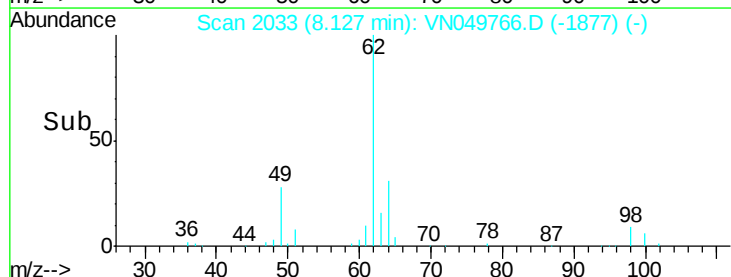
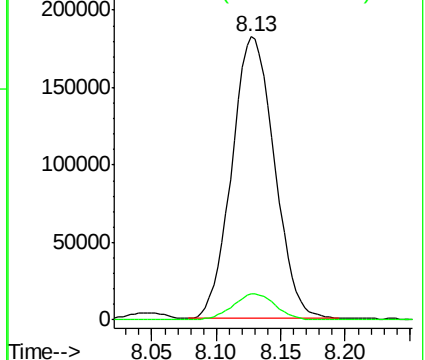
62 100

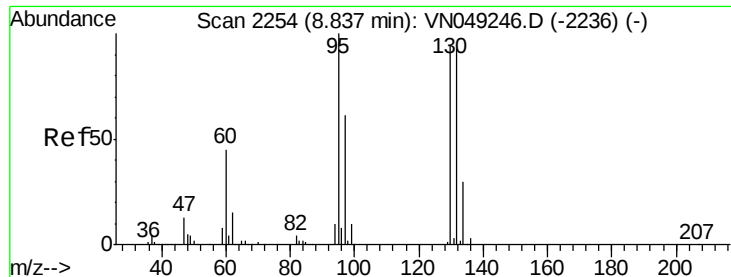
98 9.4 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 19.62 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049766.D

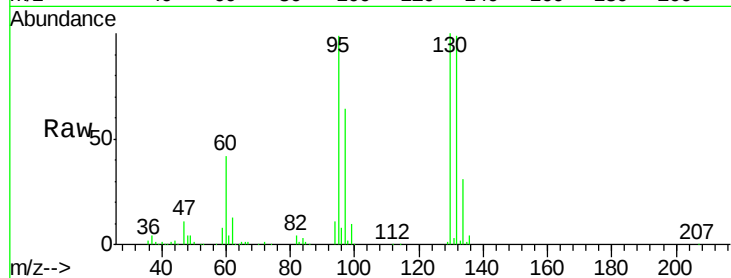
Acq: 11 Jul 2018 19:29

Tot Ion:130 Resp: 334145

Ion Ratio Lower Upper

130 100

95 99.1 79.7 119.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0

8.84

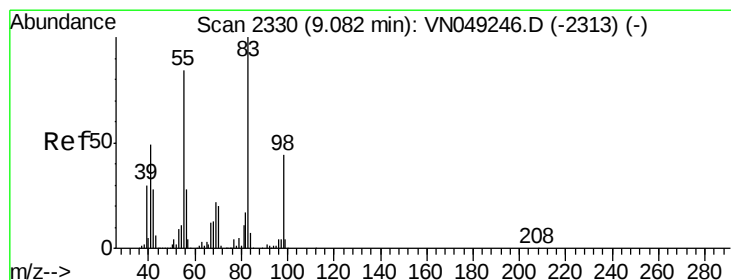
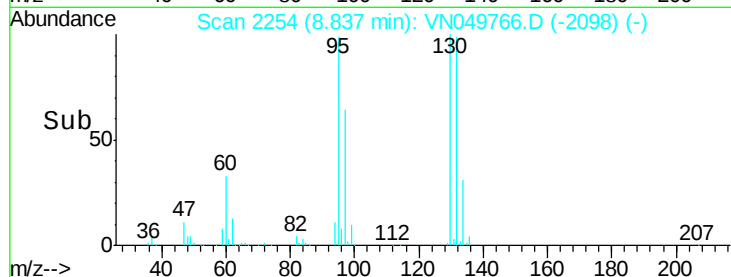
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 19.12 ug/l

RT: 9.09 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

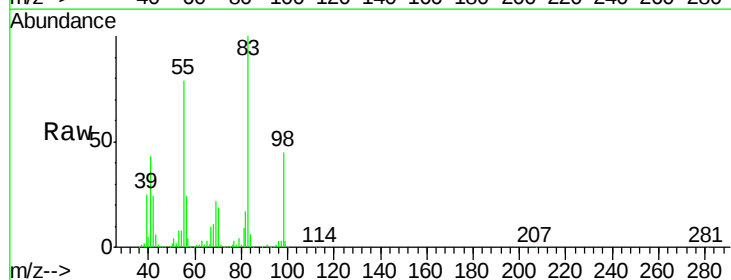
Tgt Ion: 83 Resp: 449095

Ion Ratio Lower Upper

83 100

55 78.1 39.3 117.8

98 45.7 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

9.09

250000

200000

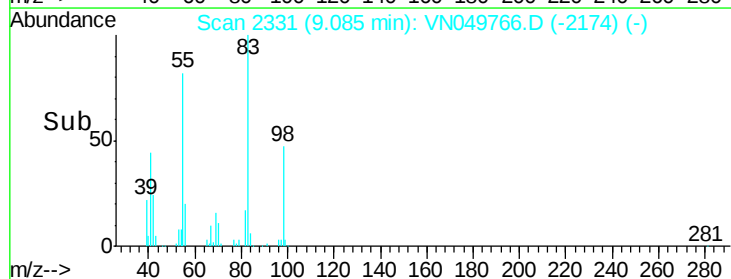
150000

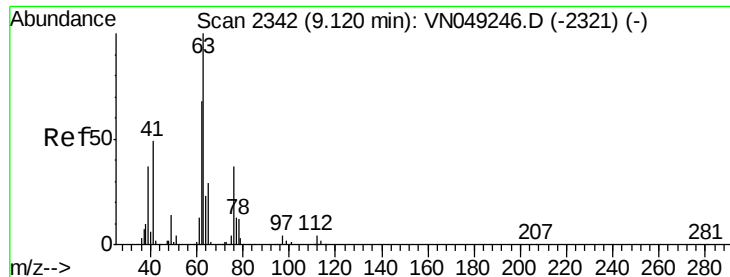
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 20.19 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN049766.D

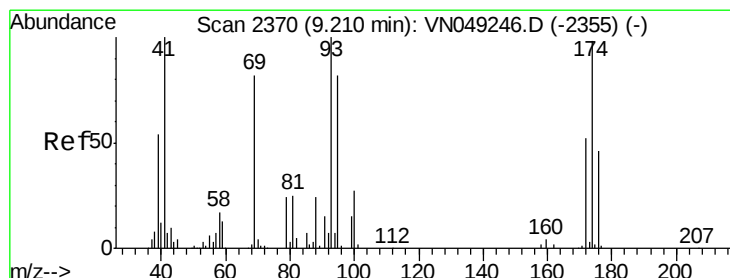
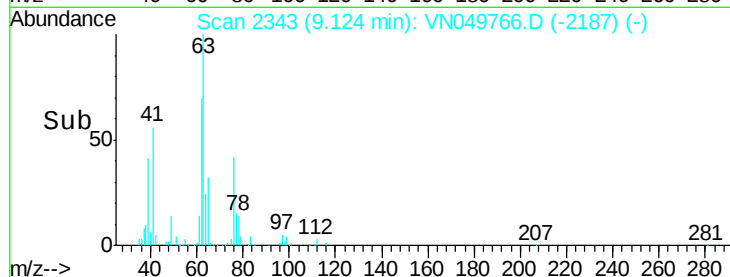
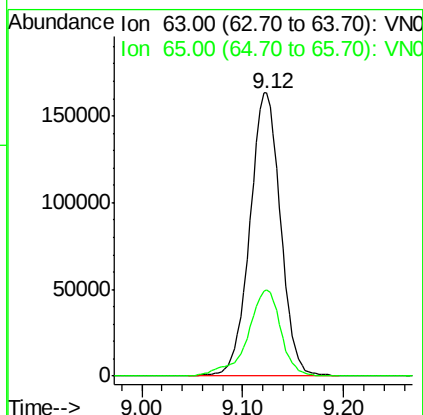
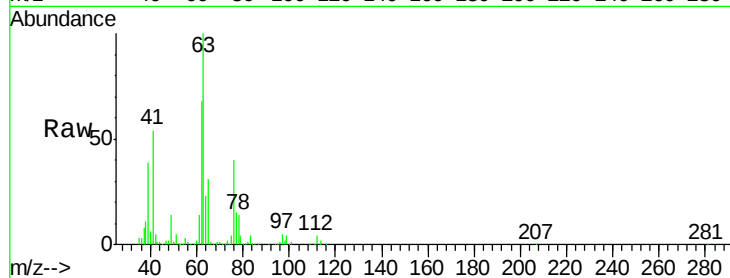
Acq: 11 Jul 2018 19:29

Tot Ion: 63 Resp: 342659

Ion Ratio Lower Upper

63 100

65 30.6 24.2 36.2



#40

Dibromomethane

Concen: 20.17 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

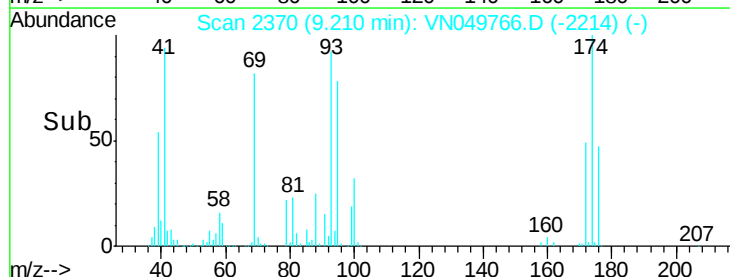
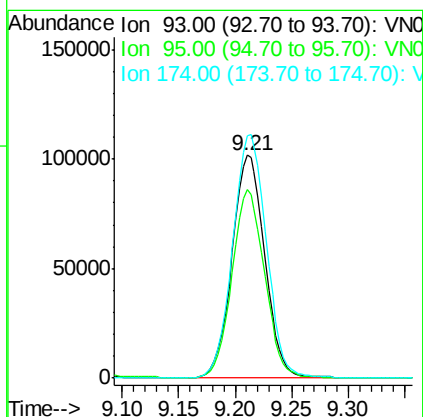
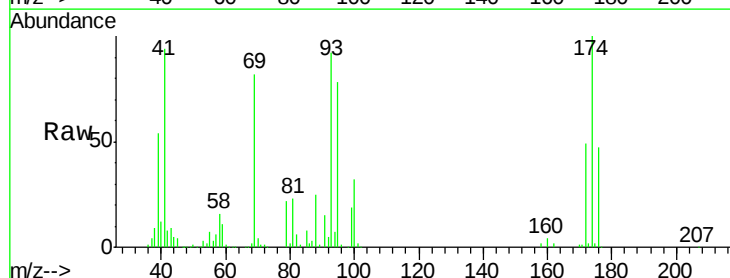
Tgt Ion: 93 Resp: 205869

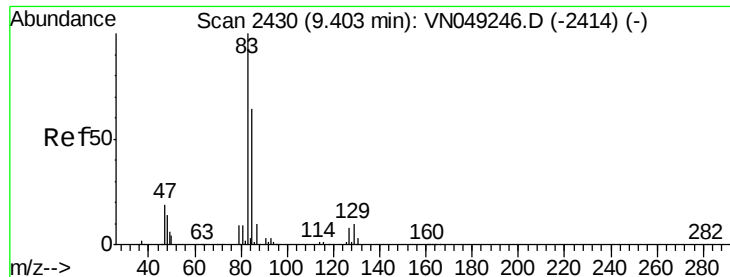
Ion Ratio Lower Upper

93 100

95 84.4 0.0 165.6

174 112.2 0.0 223.2





#41

Bromodichloromethane

Concen: 19.83 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

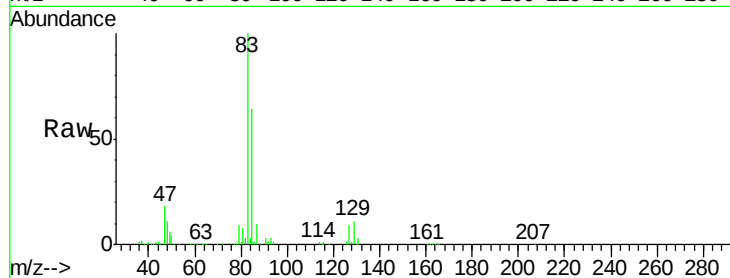
Tot Ion: 83 Resp: 435378

Ion Ratio Lower Upper

83 100

85 63.9 52.6 78.8

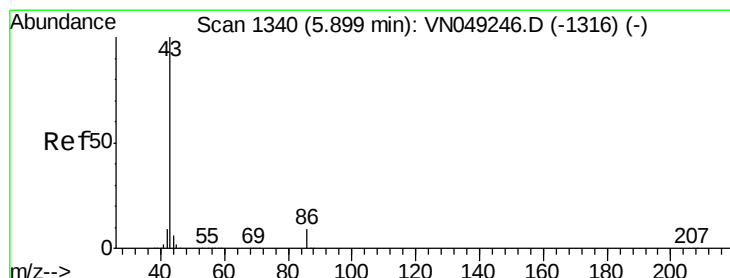
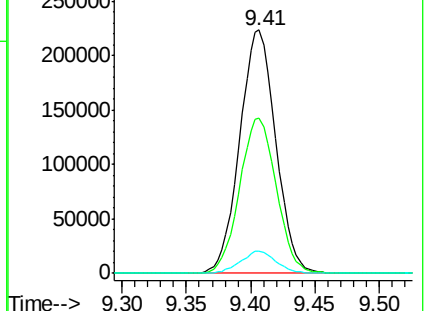
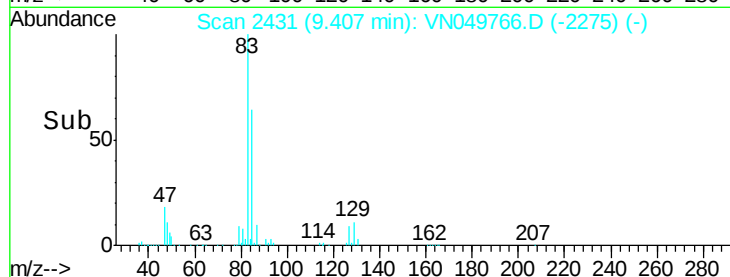
127 8.9 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN049766.D (-2275) (-)

Ion 85.00 (84.70 to 85.70): VN049766.D (-2275) (-)

Ion 127.00 (126.70 to 127.70): VN049766.D (-2275) (-)



#42

Vinyl Acetate

Concen: 97.30 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049766.D

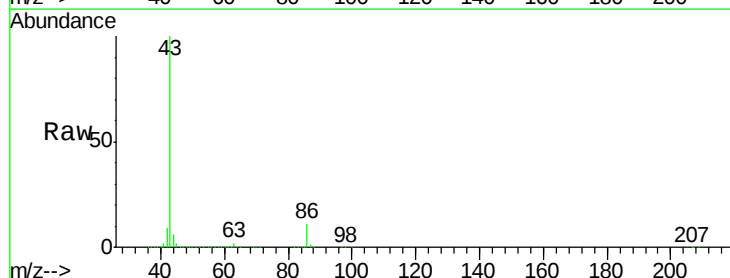
Acq: 11 Jul 2018 19:29

Tgt Ion: 43 Resp: 3135920

Ion Ratio Lower Upper

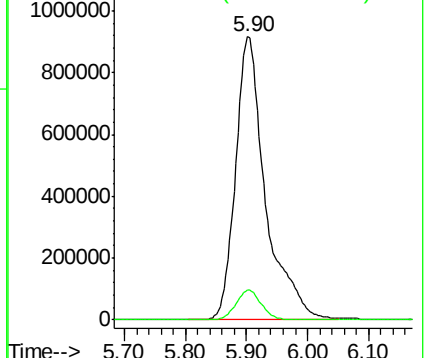
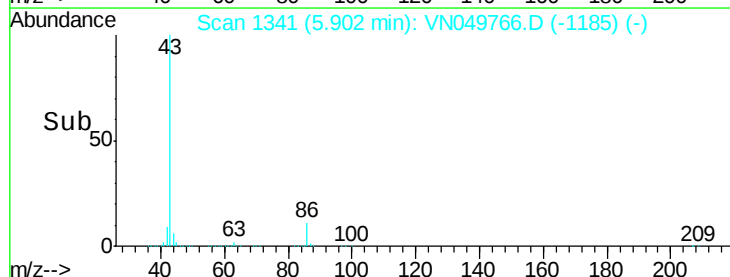
43 100

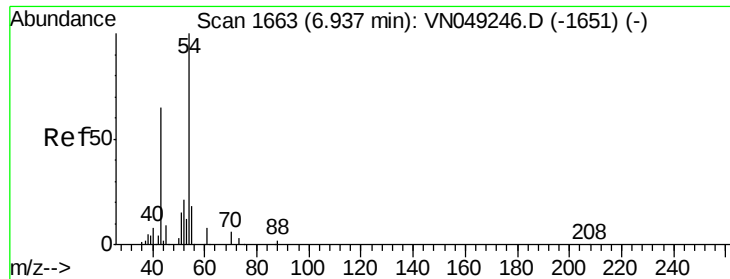
86 8.9 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN049766.D (-1185) (-)

Ion 86.00 (85.70 to 86.70): VN049766.D (-1185) (-)





#43

Ethyl Acetate

Concen: 20.46 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN049766.D

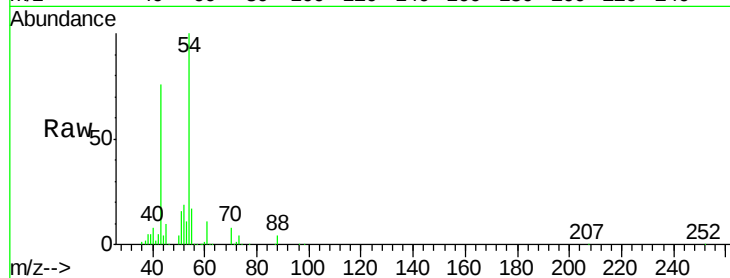
Acq: 11 Jul 2018 19:29

Tot Ion: 43 Resp: 262404

Ion Ratio Lower Upper

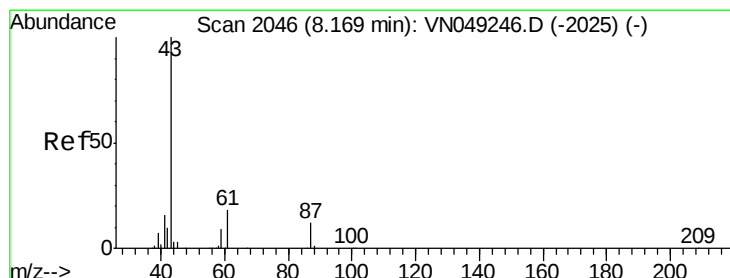
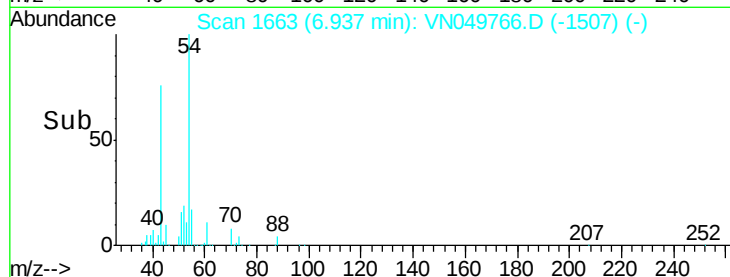
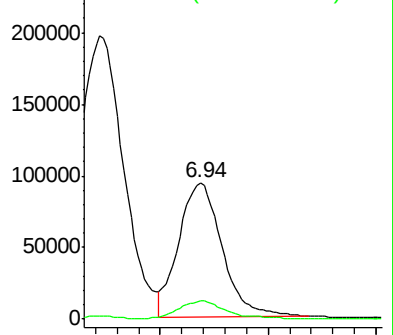
43 100

45 12.8 13.0 19.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.22 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049766.D

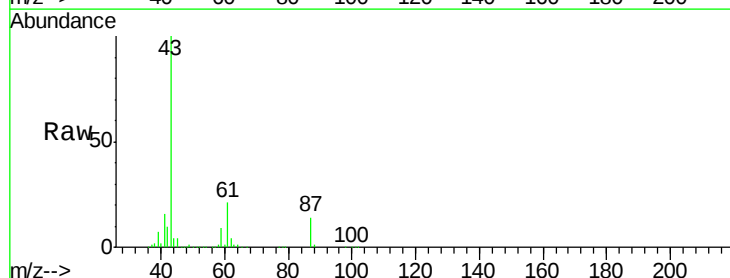
Acq: 11 Jul 2018 19:29

Tgt Ion: 43 Resp: 484868

Ion Ratio Lower Upper

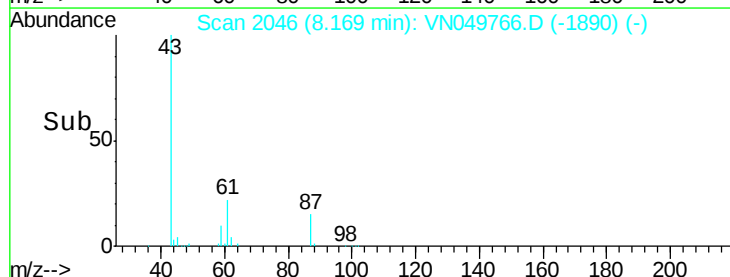
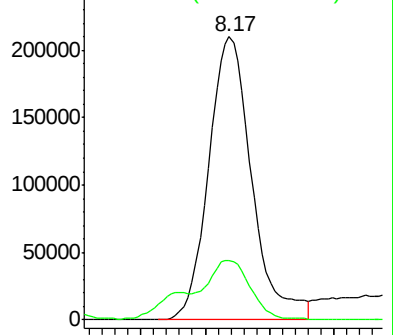
43 100

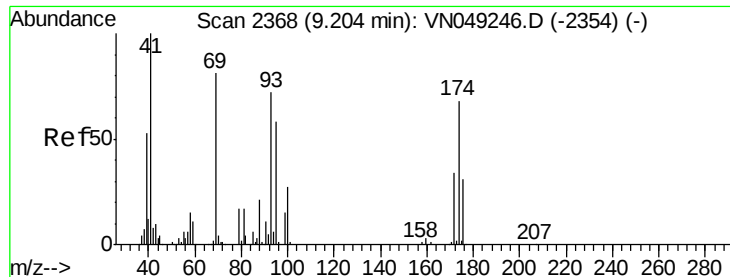
61 18.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 395.70 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

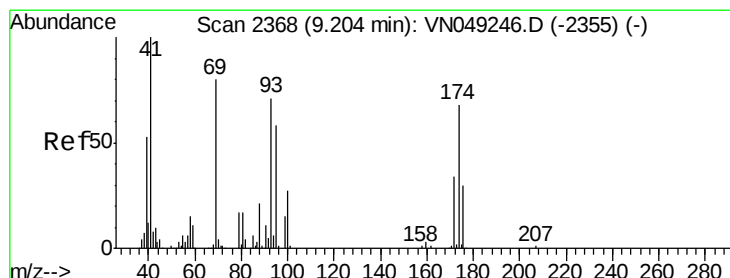
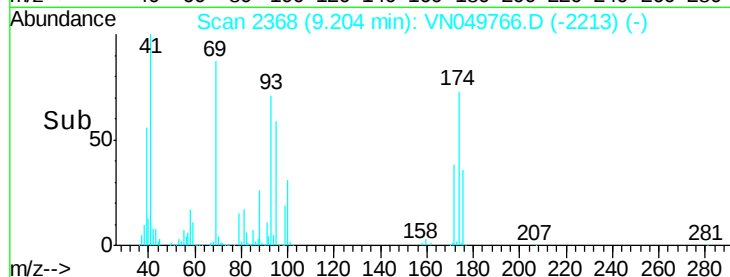
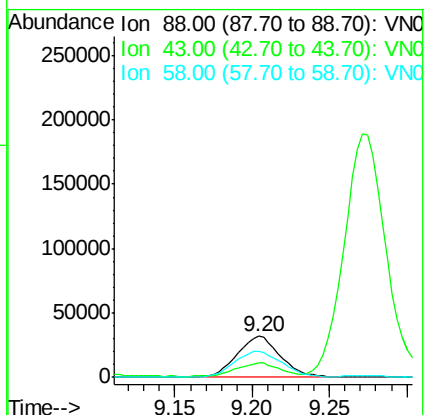
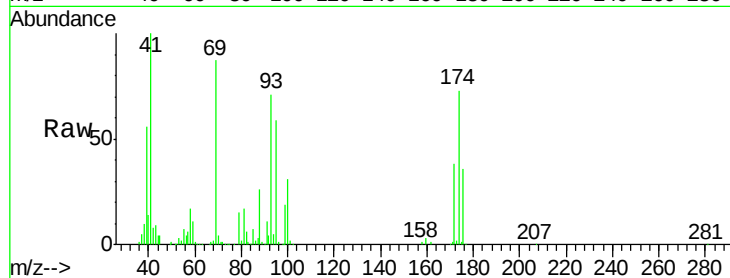
Tot Ion: 88 Resp: 62469

Ion Ratio Lower Upper

88 100

43 32.5 26.9 40.3

58 70.4 53.6 80.4



#46

Methyl methacrylate

Concen: 18.83 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

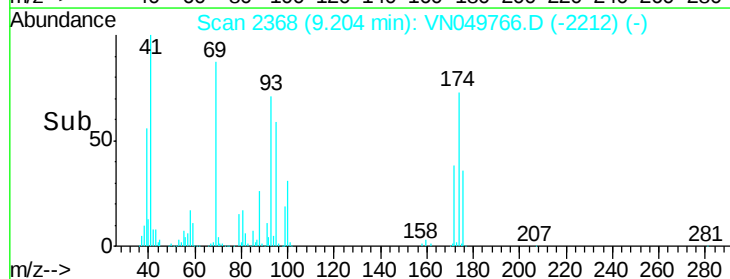
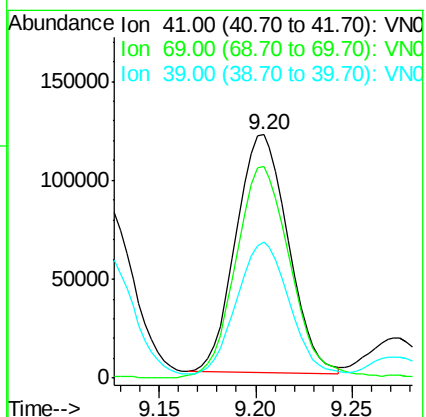
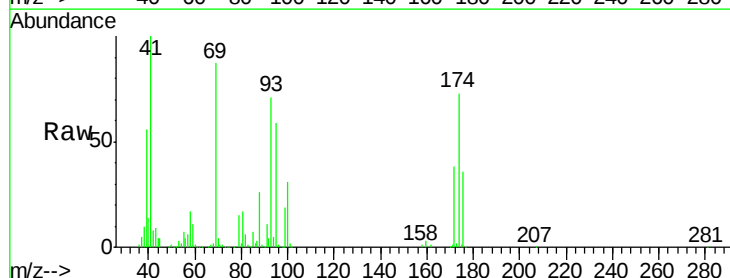
Tgt Ion: 41 Resp: 226430

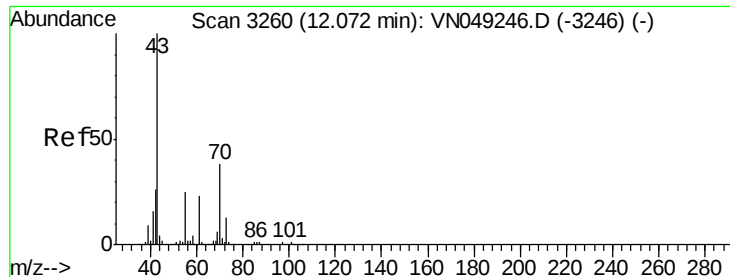
Ion Ratio Lower Upper

41 100

69 88.3 44.0 132.1

39 55.4 27.0 80.8





#47

n-amvl Acetate

Concen: 18.25 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049766.D

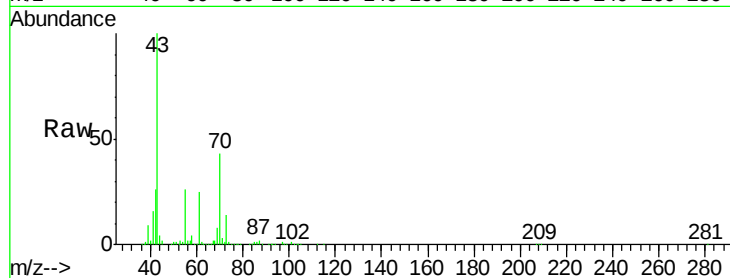
Acq: 11 Jul 2018 19:29

Tot Ion: 43 Resp: 368516

Ion Ratio Lower Upper

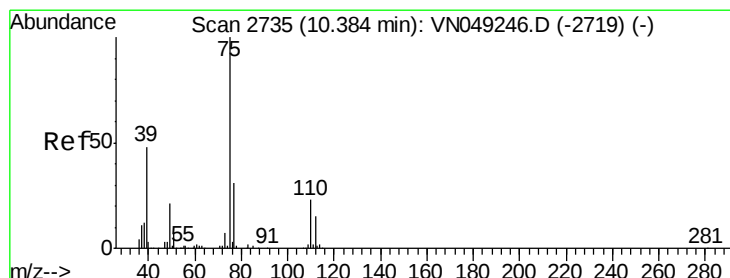
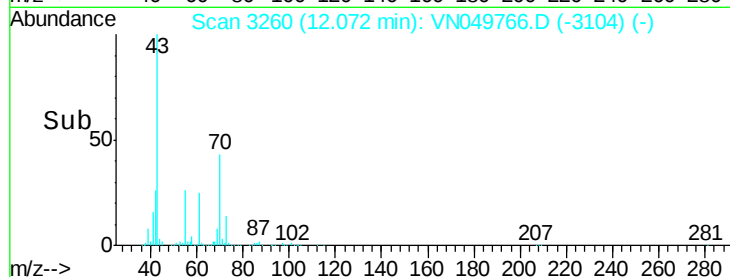
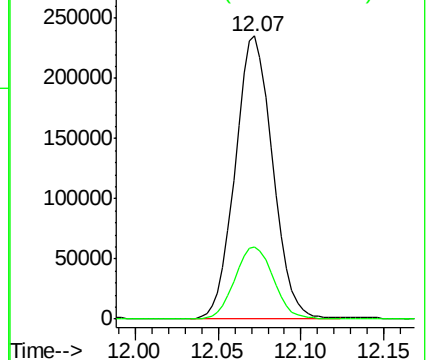
43 100

55 26.4 21.0 31.4



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: 18.95 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049766.D

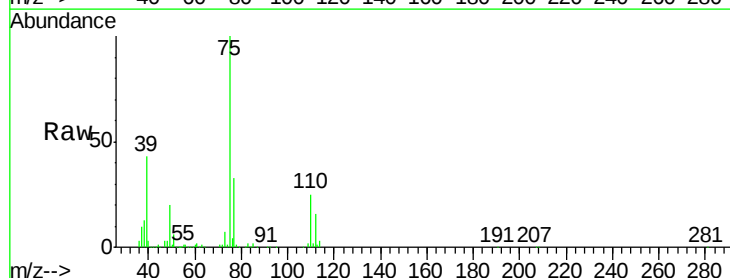
Acq: 11 Jul 2018 19:29

Tgt Ion: 75 Resp: 419143

Ion Ratio Lower Upper

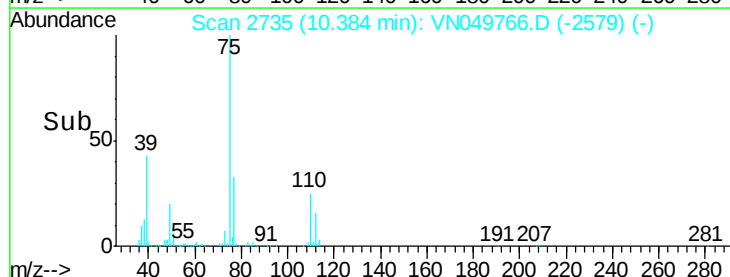
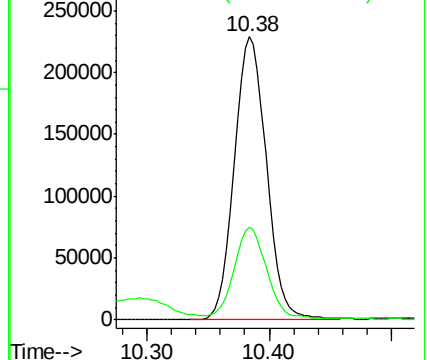
75 100

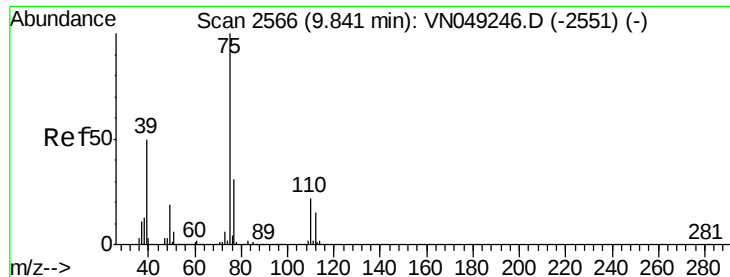
77 32.4 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

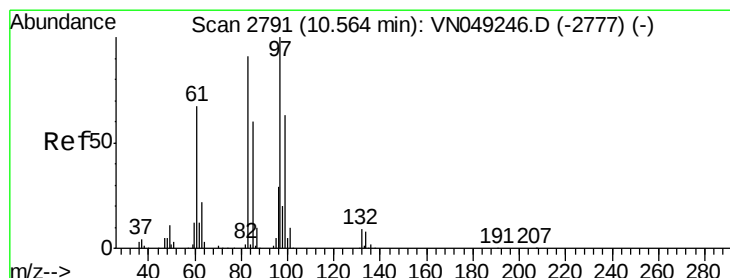
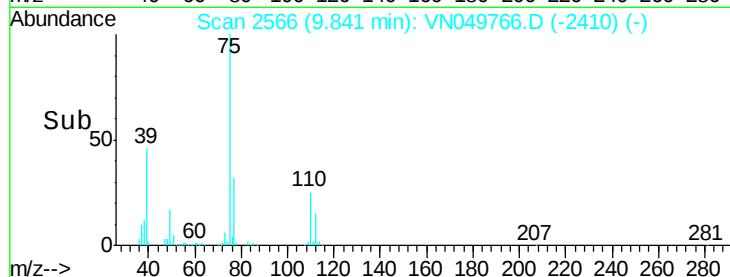
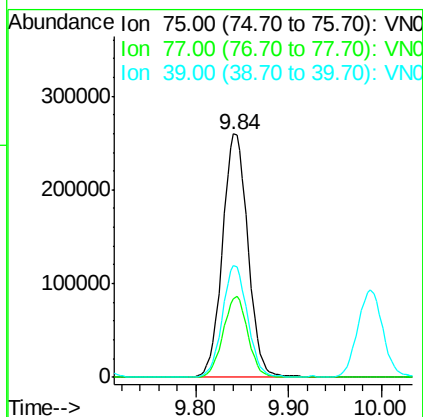
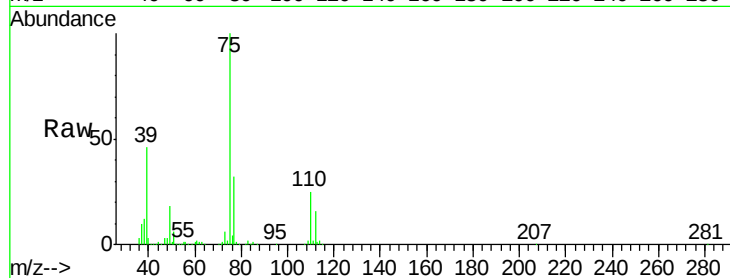




#49

cis-1,3-Dichloropropene
Concen: 19.41 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

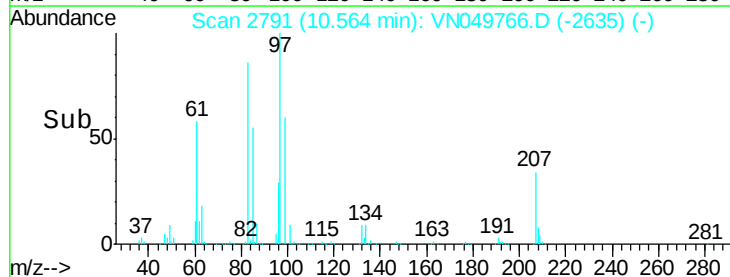
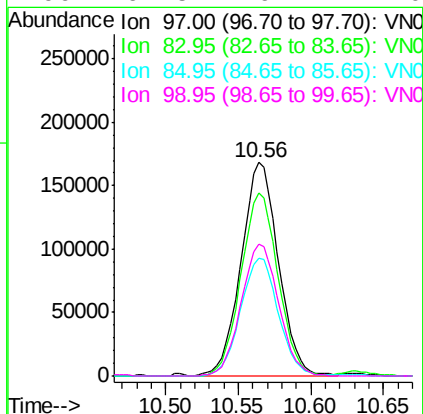
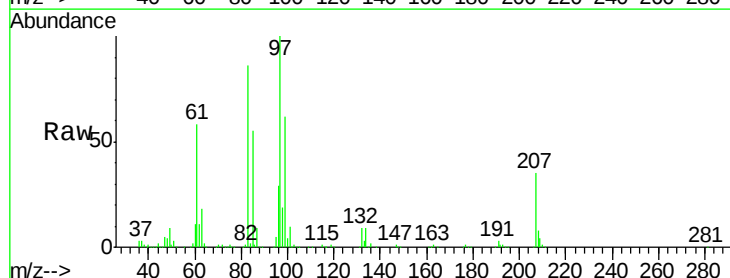
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.7	38.5
39	45.9	36.3	54.5

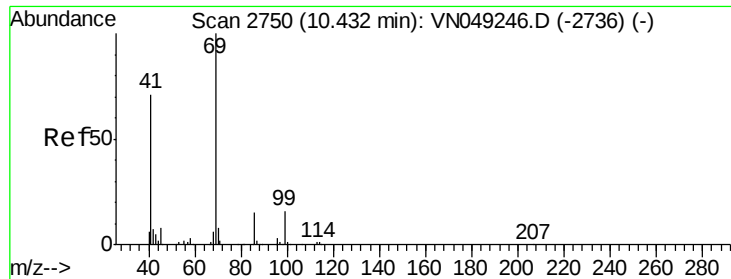


#50

1,1,2-Trichloroethane
Concen: 20.33 ug/l
RT: 10.56 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.1	102.1
85	55.4	45.4	68.2
99	61.5	49.4	74.0





#51

Ethyl methacrylate

Concen: 18.93 ug/l

RT: 10.43 min Scan# 2750

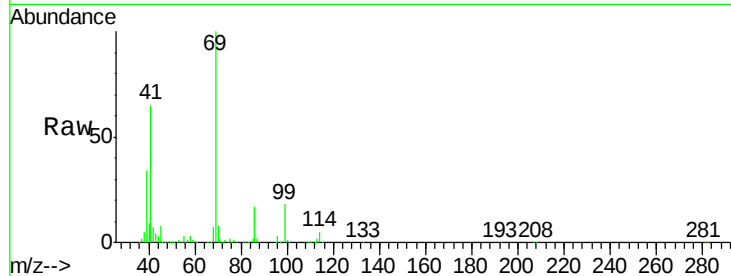
Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

Tot Ion: 69 Resp: 342765

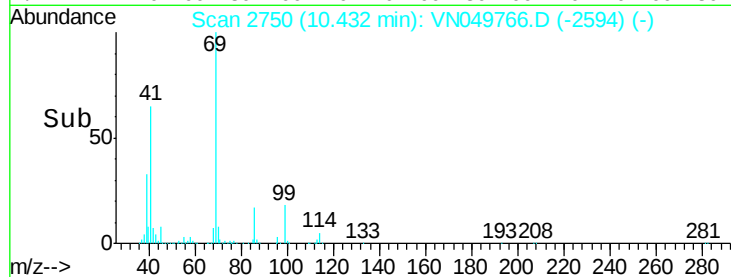
Ion	Ratio	Lower	Upper
69	100		
41	64.9	31.9	95.9
39	33.5	16.7	50.1



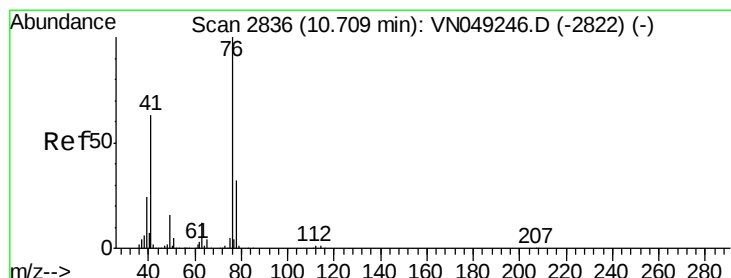
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#52

1,3-Dichloropropane

Concen: 20.06 ug/l

RT: 10.71 min Scan# 2836

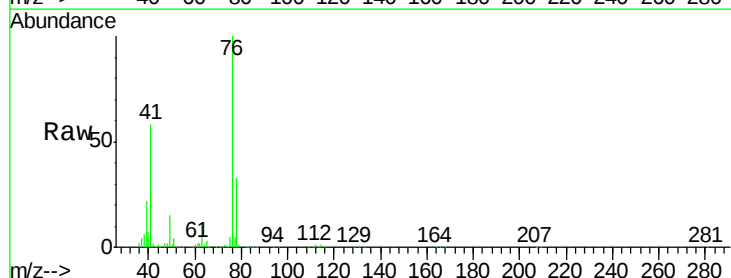
Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

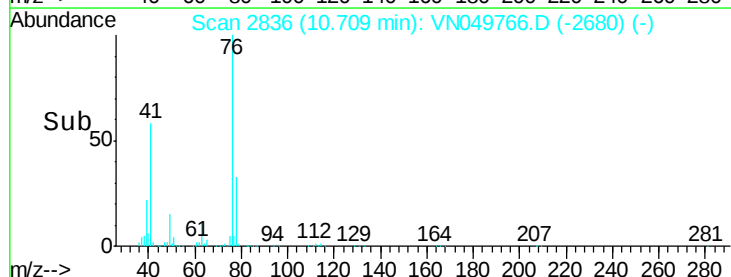
Tgt Ion: 76 Resp: 489085

Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	65.6

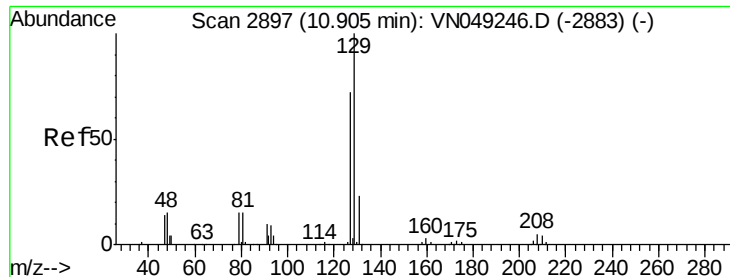


Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->



#53

Dibromochloromethane

Concen: 19.50 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049766.D

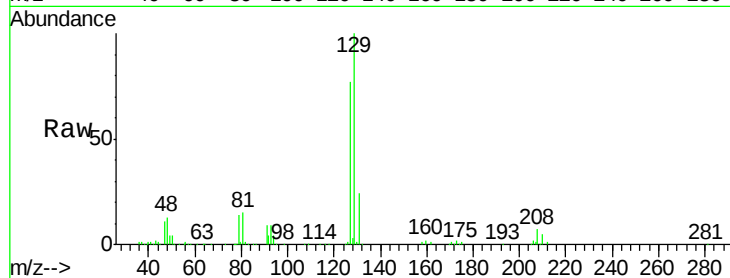
Acq: 11 Jul 2018 19:29

Tot Ion:129 Resp: 327273

Ion Ratio Lower Upper

129 100

127 76.9 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

200000

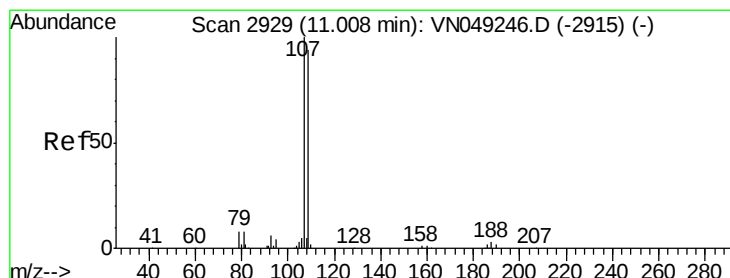
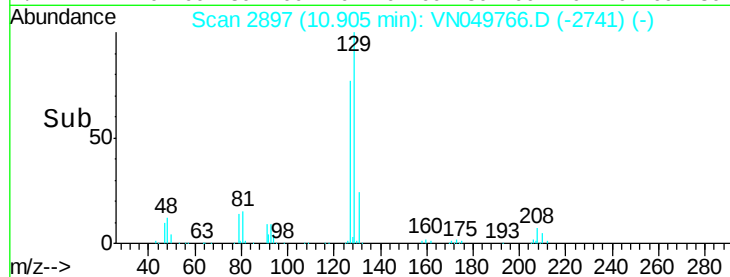
150000

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 19.91 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049766.D

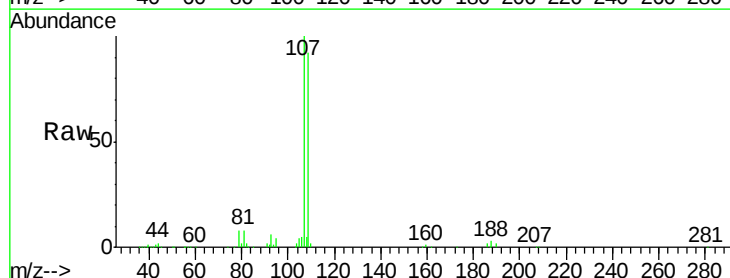
Acq: 11 Jul 2018 19:29

Tgt Ion:107 Resp: 287292

Ion Ratio Lower Upper

107 100

109 93.0 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

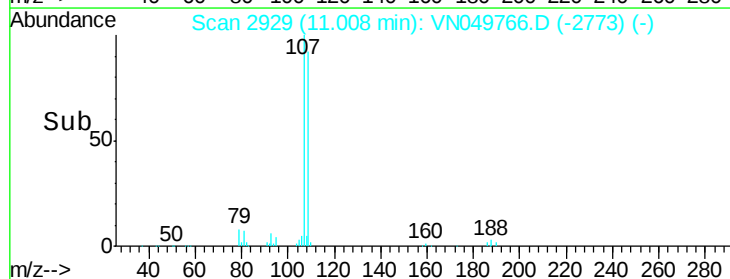
150000

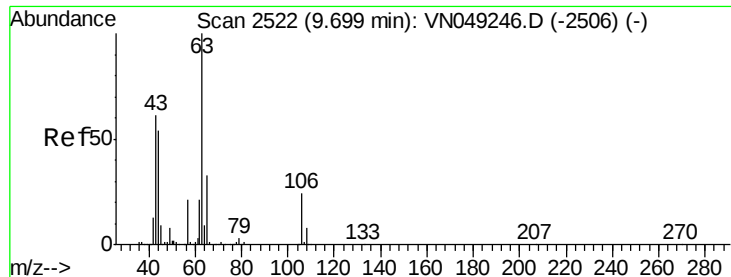
100000

50000

0

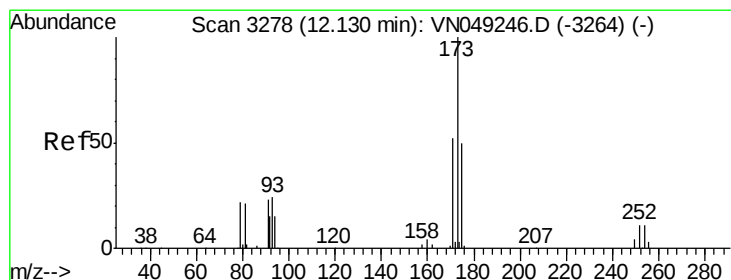
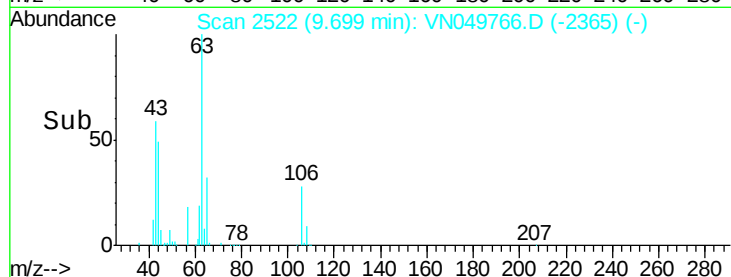
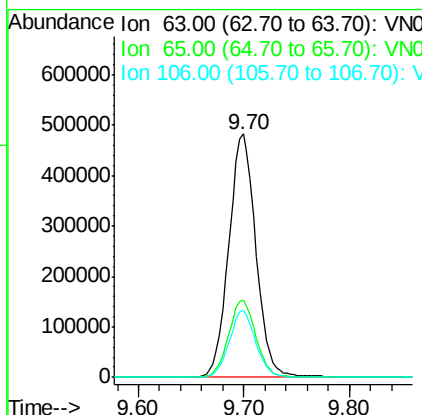
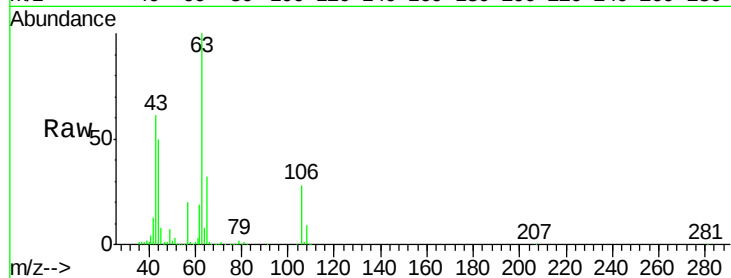
Time-->





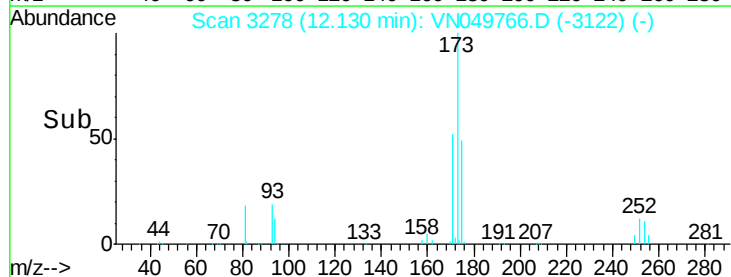
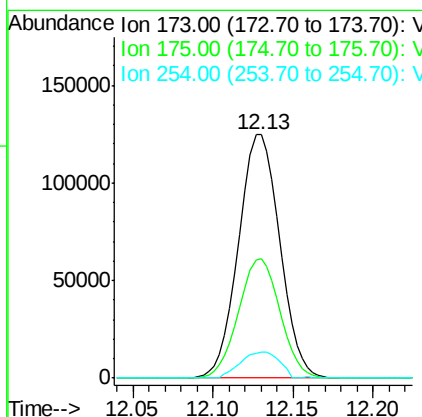
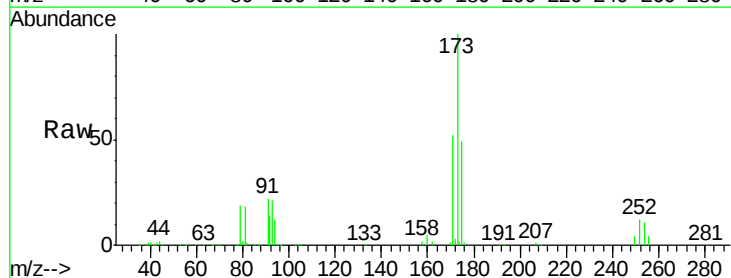
#55
2-Chloroethyl vinyl ether
Concen: 93.04 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

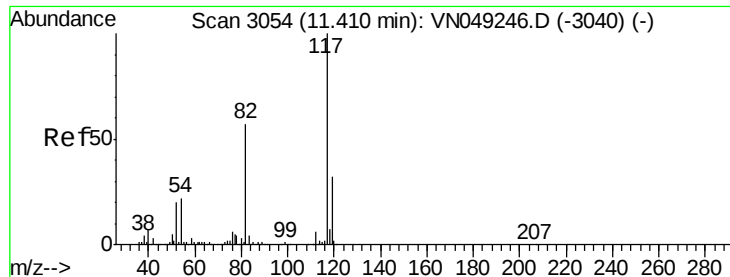
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	26.9	21.8	32.6



#56
Bromoform
Concen: 19.15 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

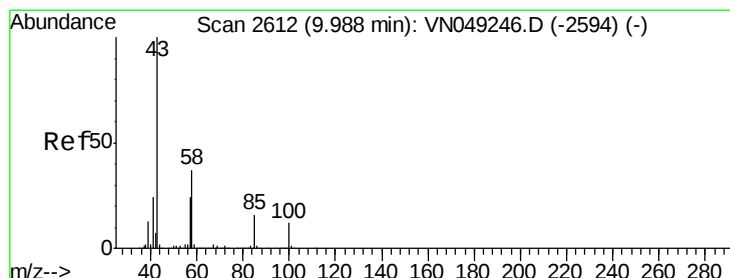
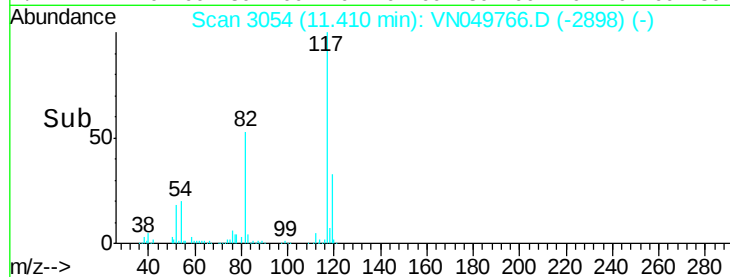
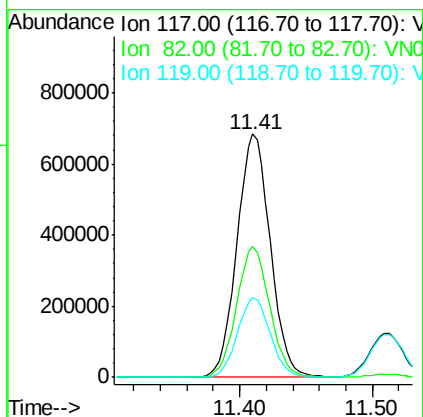
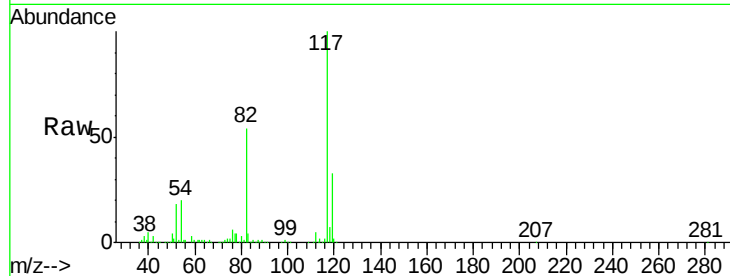
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	57.8
254	10.1	8.8	13.2





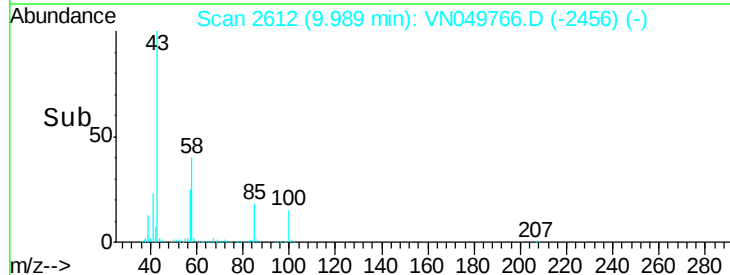
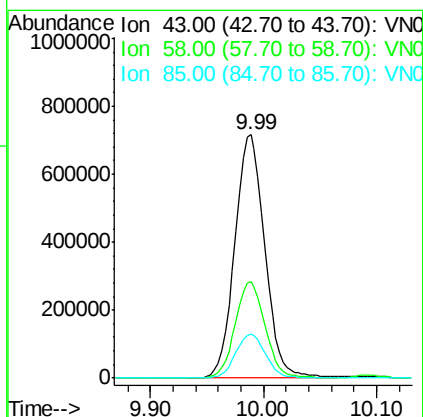
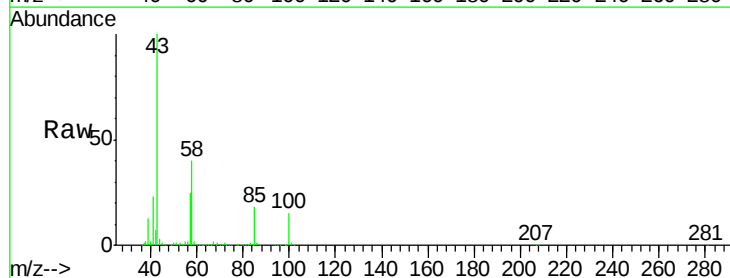
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

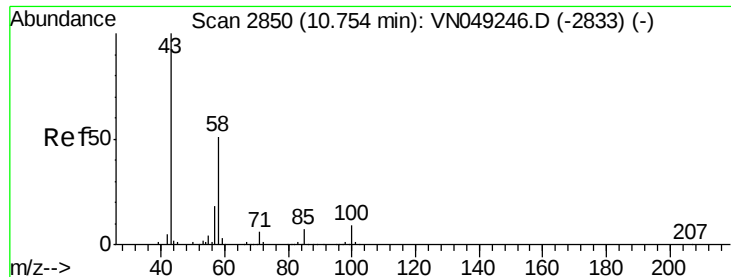
Tot Ion:117 Resp: 1195686
Ion Ratio Lower Upper
117 100
82 53.4 42.4 63.6
119 32.3 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 101.68 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

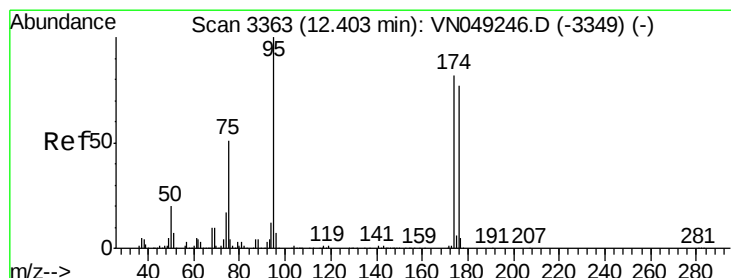
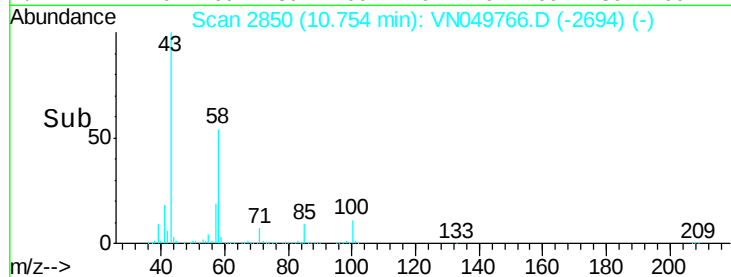
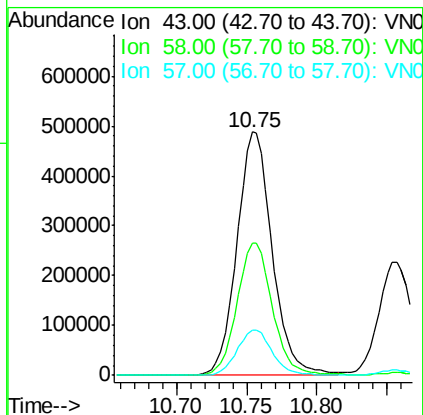
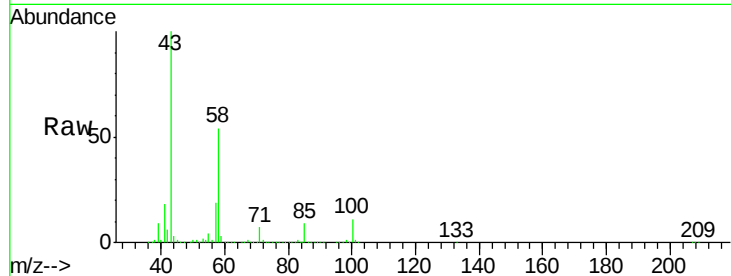
Tgt Ion: 43 Resp: 1321672
Ion Ratio Lower Upper
43 100
58 39.7 31.2 46.8
85 18.1 14.4 21.6





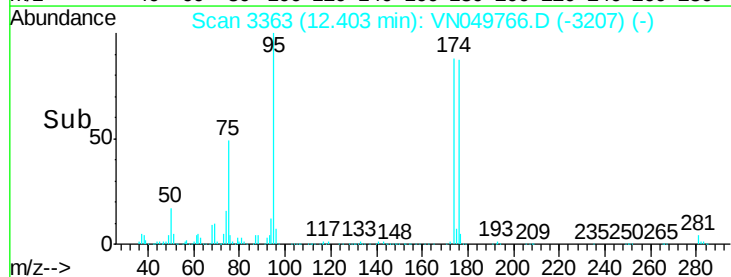
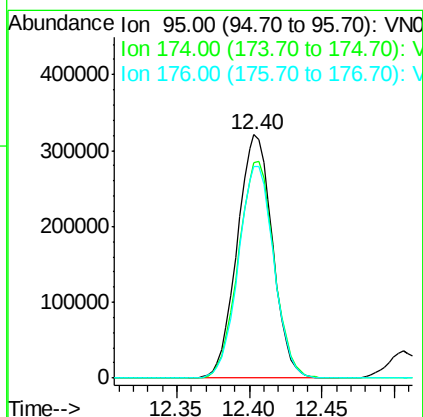
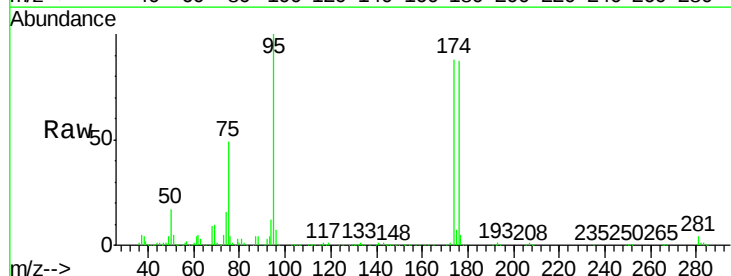
#59
2-Hexanone
Concen: 97.39 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

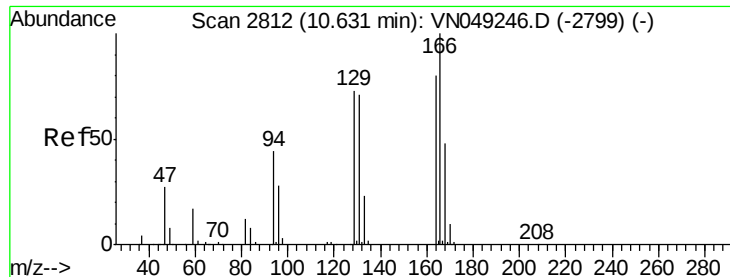
Tot Ion: 43 Resp: 852163
Ion Ratio Lower Upper
43 100
58 54.8 43.8 65.8
57 18.8 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.42 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tgt Ion: 95 Resp: 543077
Ion Ratio Lower Upper
95 100
174 89.7 72.3 108.5
176 87.2 70.0 105.0





#61

Tetrachloroethene

Concen: 20.78 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

Tot Ion:164 Resp: 311726

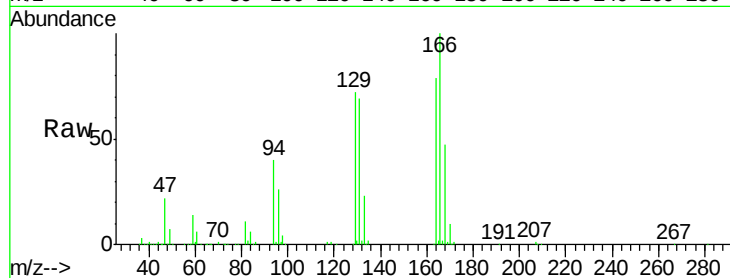
Ion Ratio Lower Upper

164 100

166 126.8 100.0 150.0

129 91.6 69.3 103.9

131 87.4 68.8 103.2

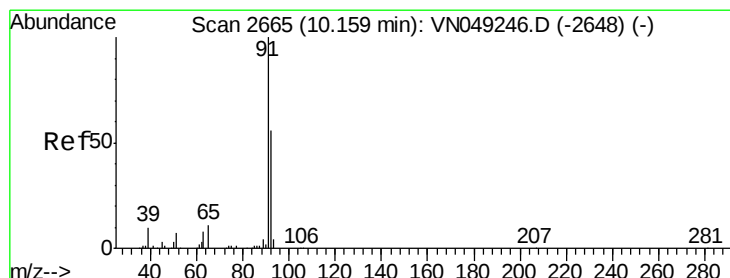
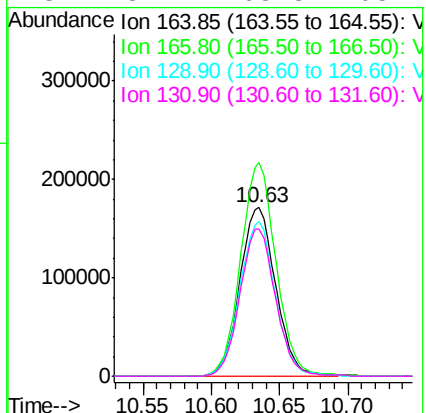
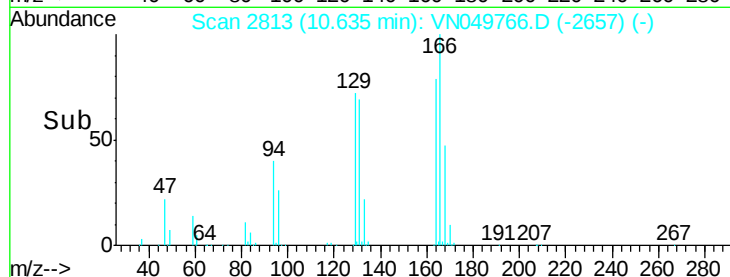


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.46 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049766.D

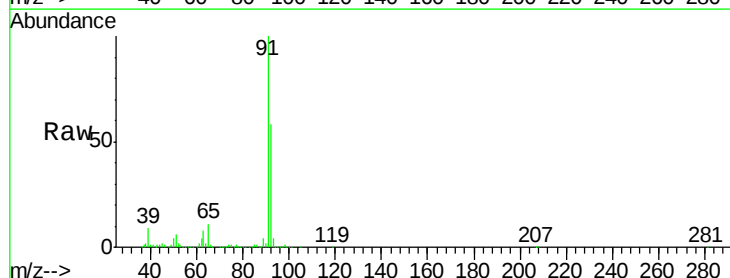
Acq: 11 Jul 2018 19:29

Tgt Ion: 91 Resp: 1401939

Ion Ratio Lower Upper

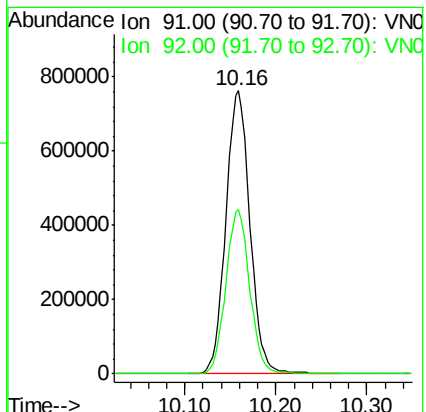
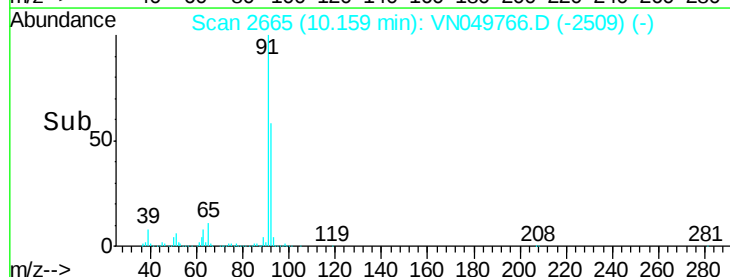
91 100

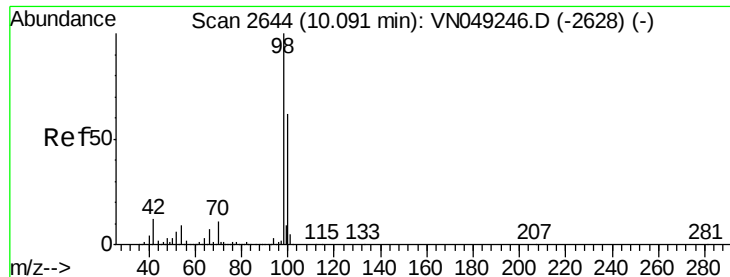
92 57.6 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.26 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049766.D

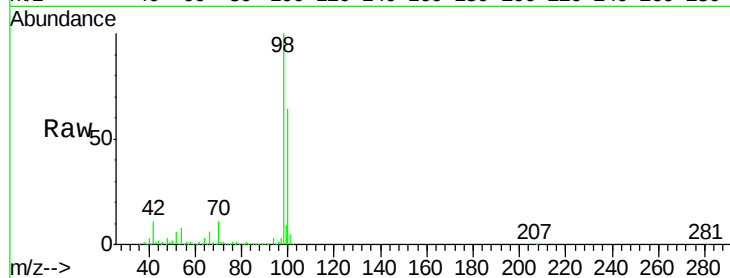
Acq: 11 Jul 2018 19:29

Tot Ion: 98 Resp: 1690750

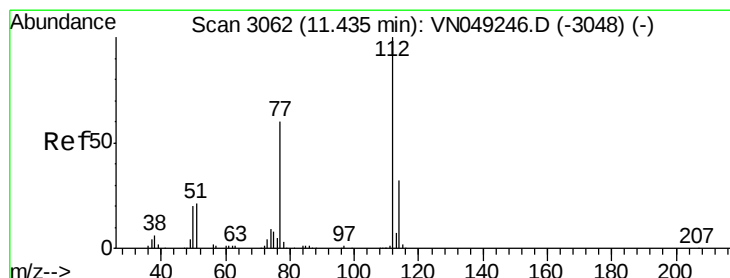
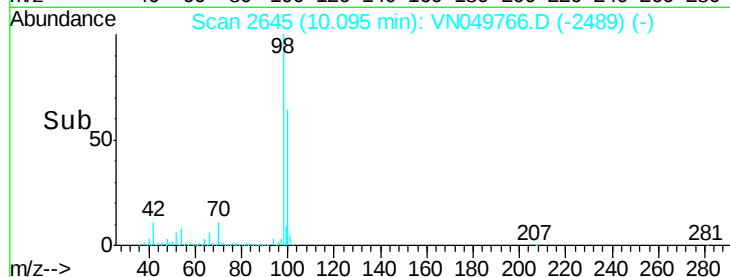
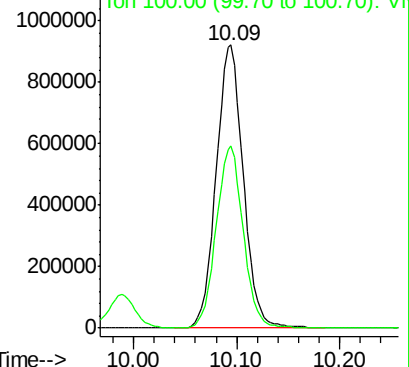
Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN049246.D (-2628) (-)



#64

Chlorobenzene

Concen: 20.07 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049766.D

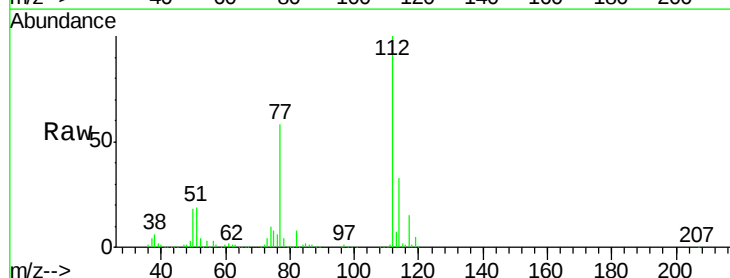
Acq: 11 Jul 2018 19:29

Tgt Ion: 112 Resp: 843890

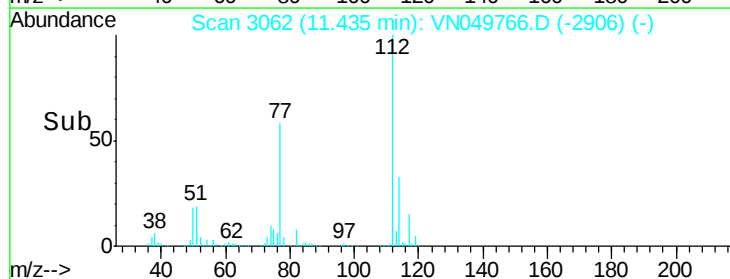
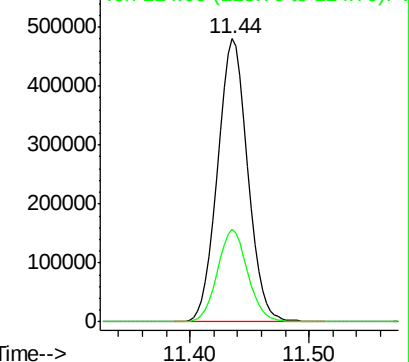
Ion Ratio Lower Upper

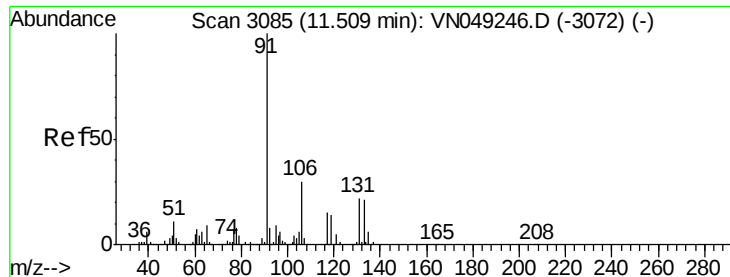
112 100

114 32.6 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VN049246.D (-3048) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.17 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

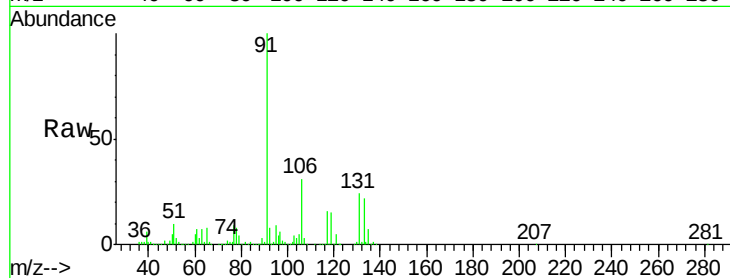
Tot Ion:131 Resp: 321891

Ion Ratio Lower Upper

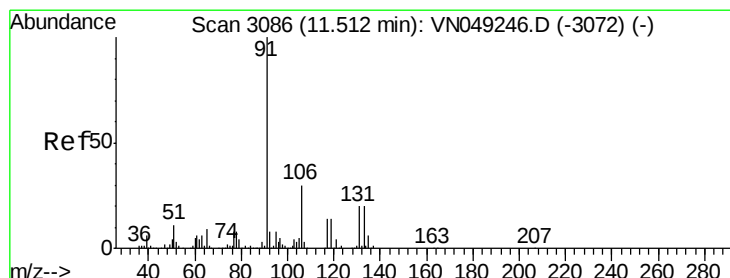
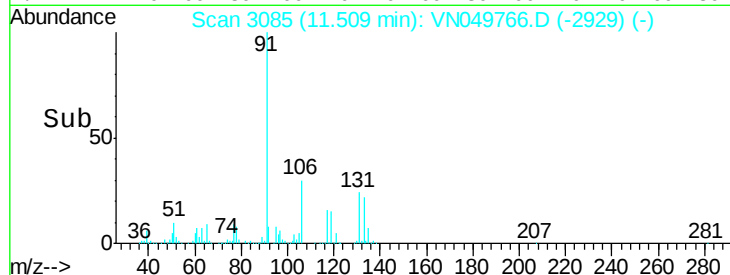
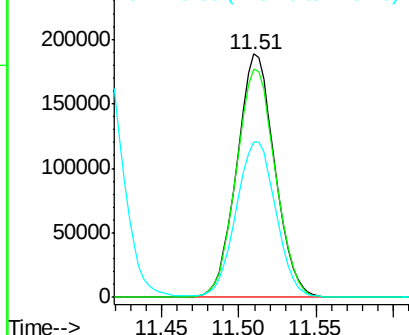
131 100

133 96.6 0.0 190.0

119 66.7 0.0 131.6



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: 19.80 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049766.D

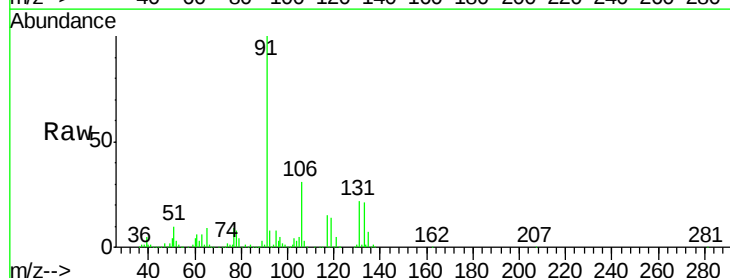
Acq: 11 Jul 2018 19:29

Tgt Ion: 91 Resp: 1423418

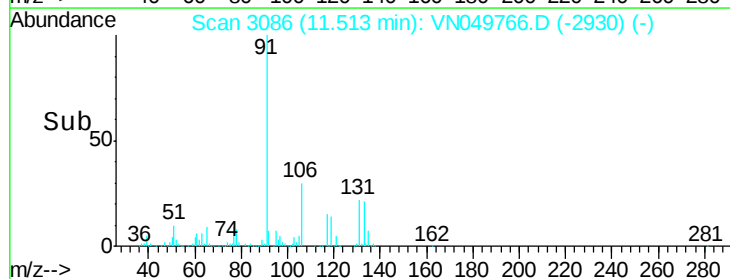
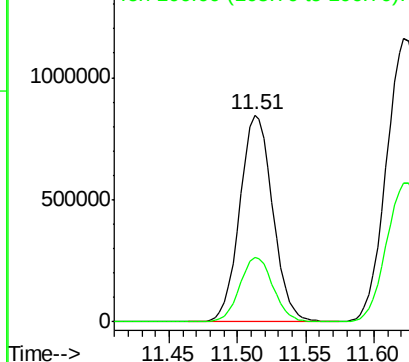
Ion Ratio Lower Upper

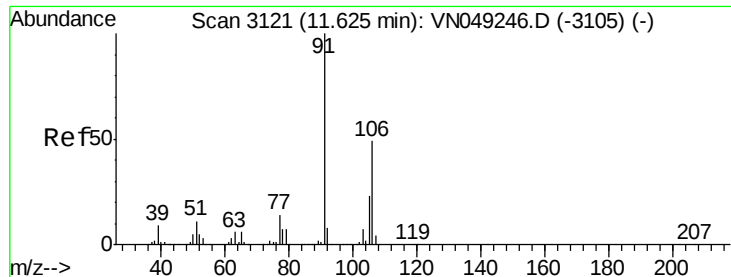
91 100

106 31.1 25.1 37.7



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





#67

m/p-Xvlenes

Concen: 40.23 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049766.D

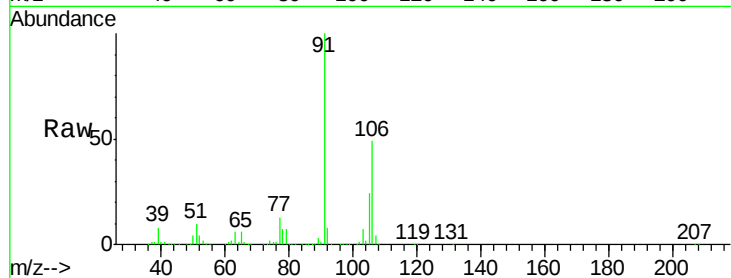
Acq: 11 Jul 2018 19:29

Tot Ion:106 Resp: 1112416

Ion Ratio Lower Upper

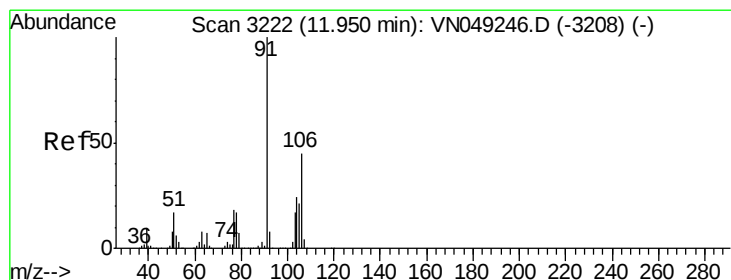
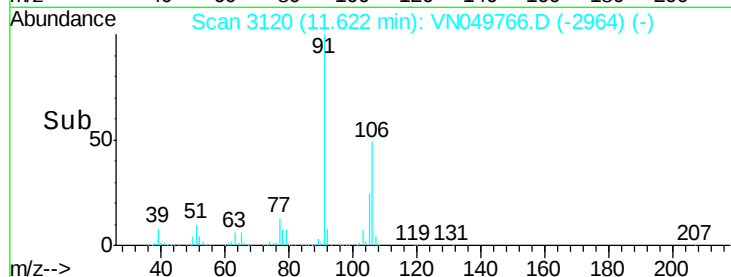
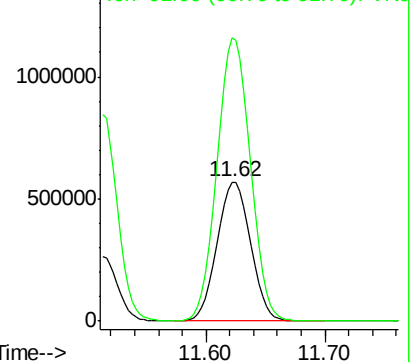
106 100

91 202.4 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.14 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049766.D

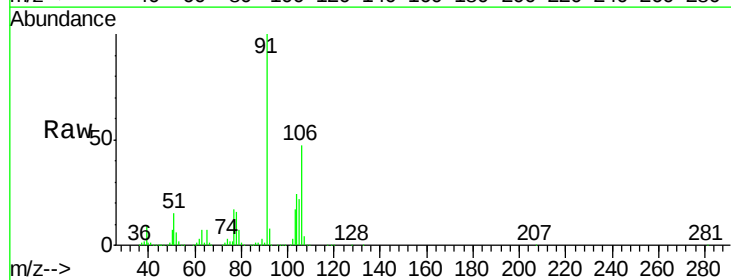
Acq: 11 Jul 2018 19:29

Tgt Ion:106 Resp: 532034

Ion Ratio Lower Upper

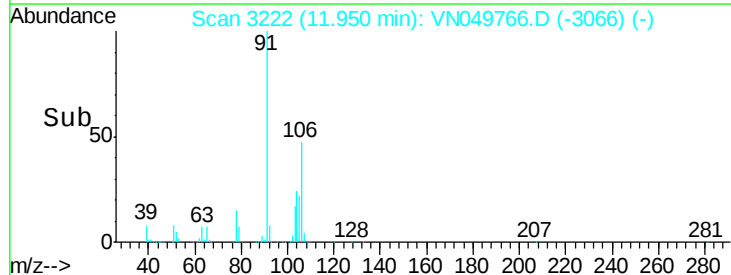
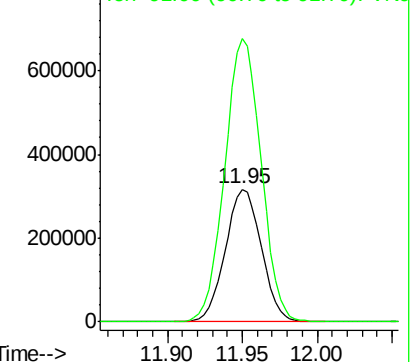
106 100

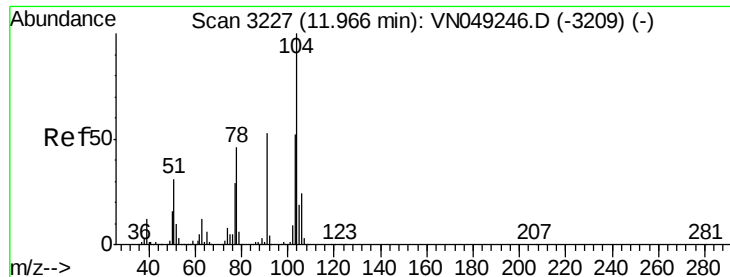
91 215.1 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

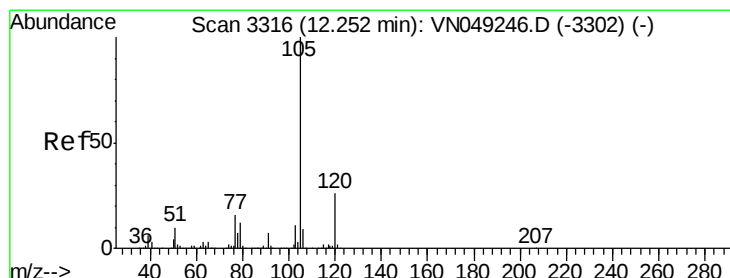
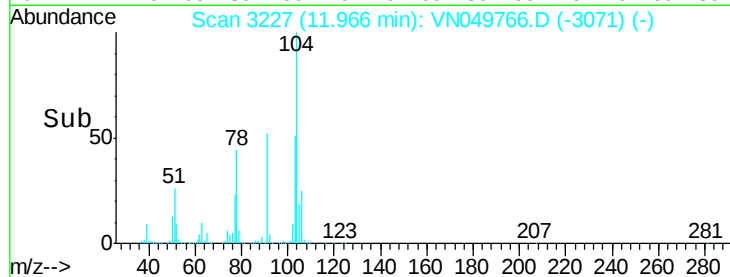
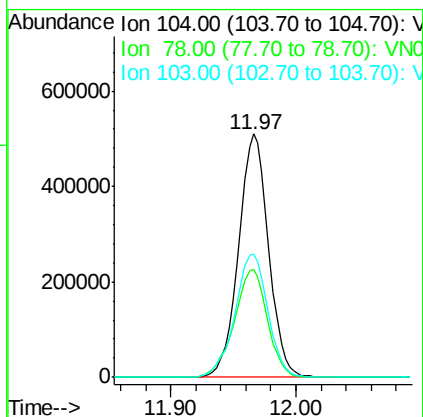
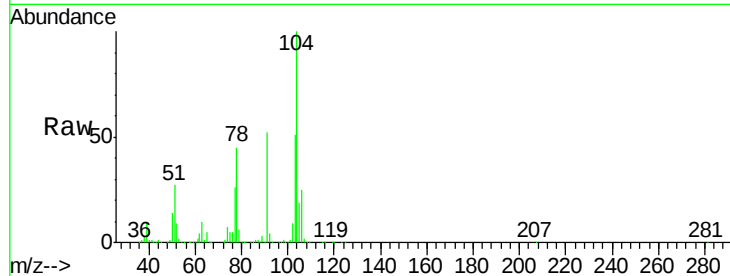
Ion 91.00 (90.70 to 91.70): VN0





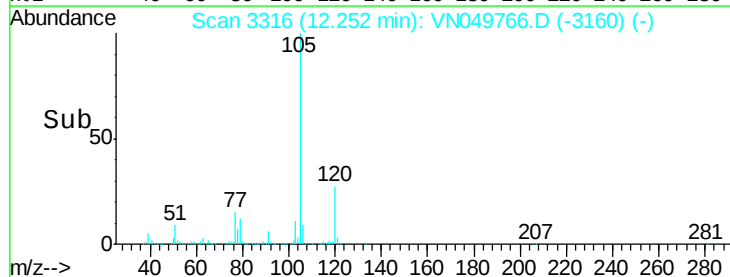
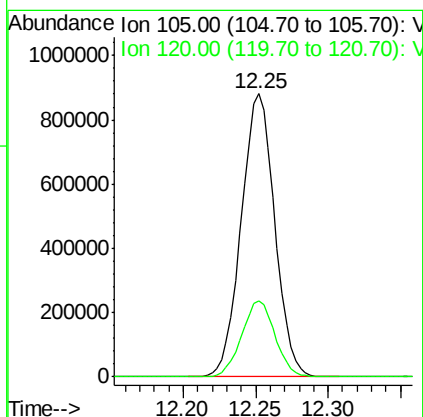
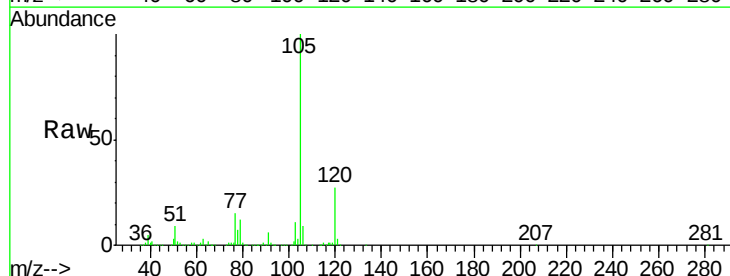
#69
Stvrene
Concen: 20.00 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

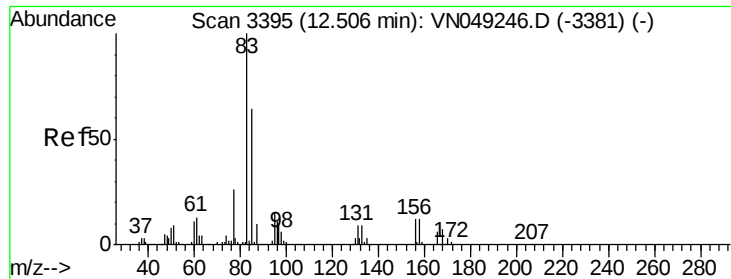
Tot Ion:104 Resp: 843565
Ion Ratio Lower Upper
104 100
78 49.2 39.3 58.9
103 55.8 44.5 66.7



#70
Isopropylbenzene
Concen: 20.21 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

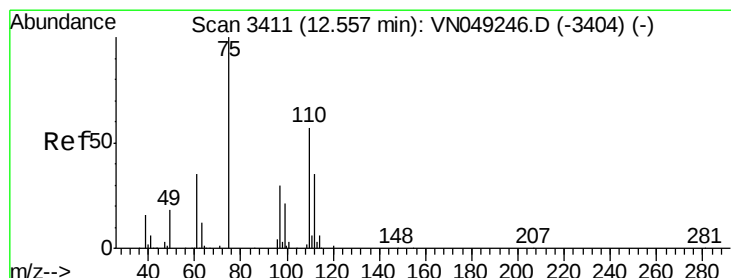
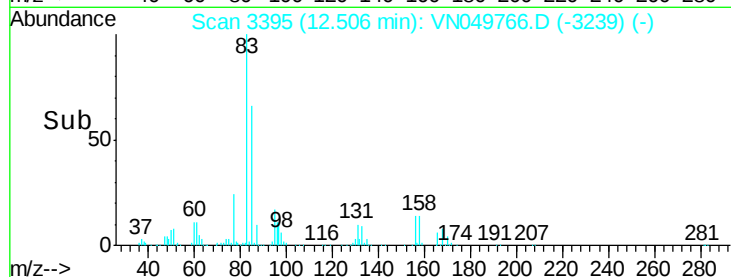
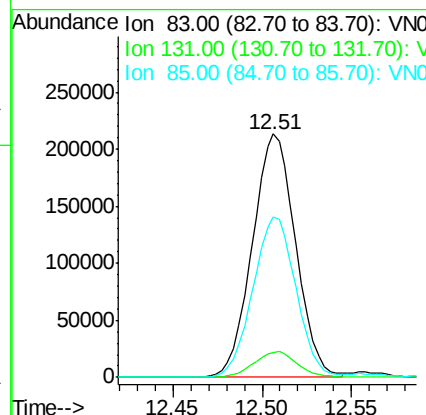
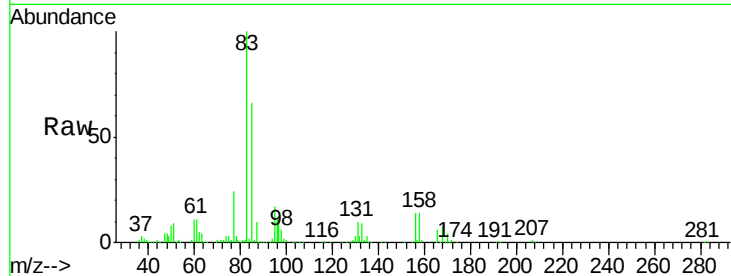
Tgt Ion:105 Resp: 1416542
Ion Ratio Lower Upper
105 100
120 26.7 18.9 35.1





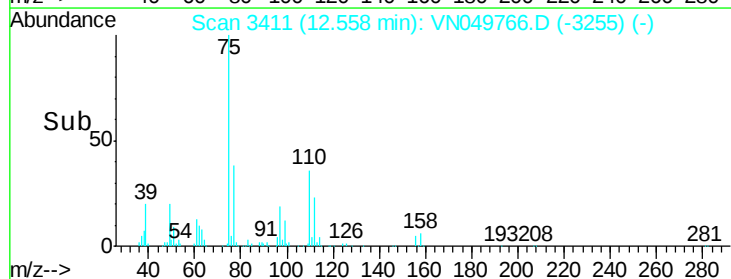
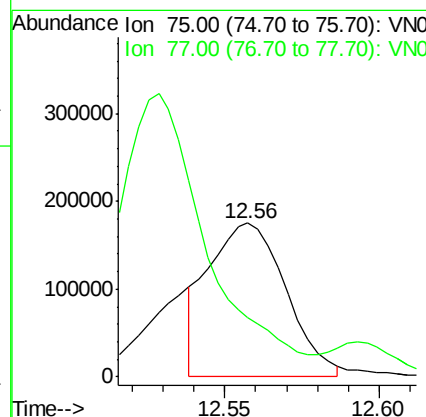
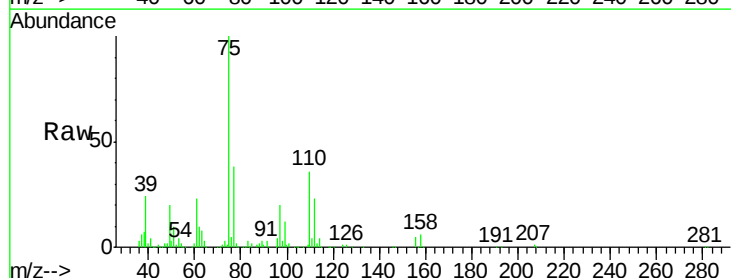
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.07 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN049766.D
 Acq: 11 Jul 2018 19:29

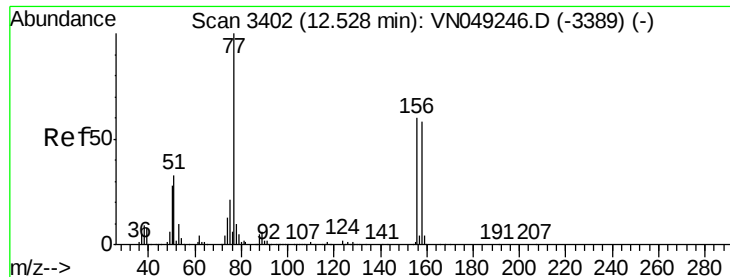
Tot Ion	83	Resp	360920
Ion Ratio	100	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	65.8	31.7	95.1



#72
 1,2,3-Trichloropropane
 Concen: 21.13 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN049766.D
 Acq: 11 Jul 2018 19:29

Tgt Ion	75	Resp	304285
Ion Ratio	100	Lower	Upper
75	100		
77	213.6	0.0	454.4





#73

Bromobenzene

Concen: 19.76 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

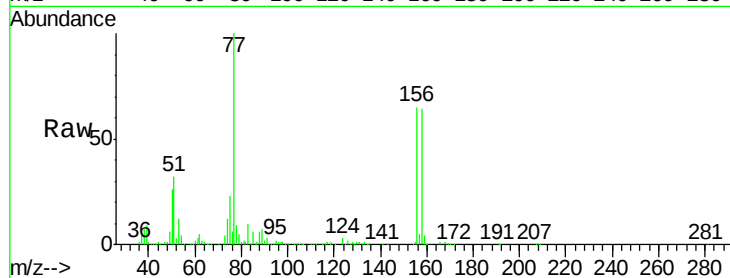
Tot Ion: 156 Resp: 363010

Ion Ratio Lower Upper

156 100

77 179.0 0.0 359.8

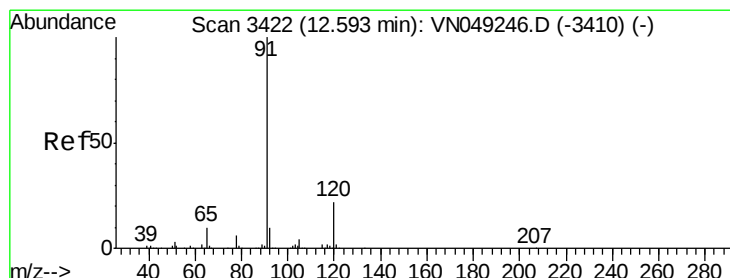
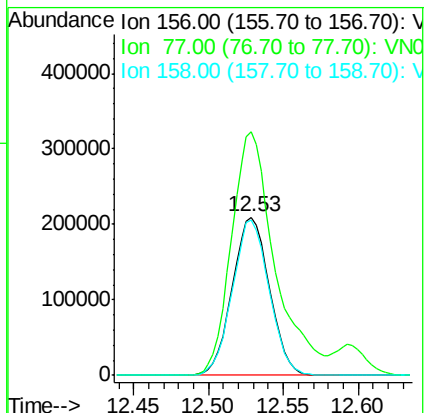
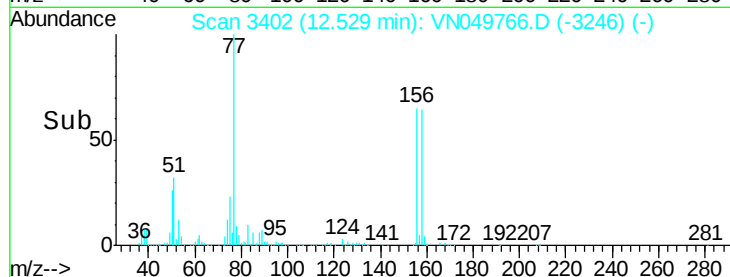
158 97.2 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.85 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049766.D

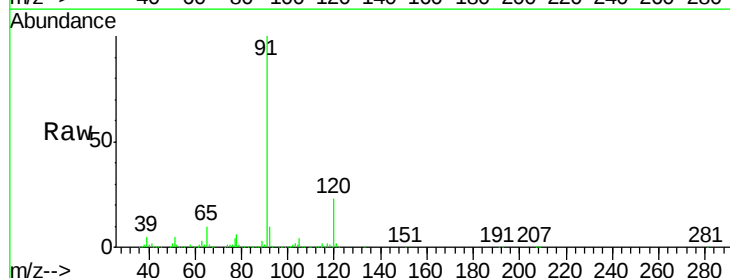
Acq: 11 Jul 2018 19:29

Tgt Ion: 91 Resp: 1609969

Ion Ratio Lower Upper

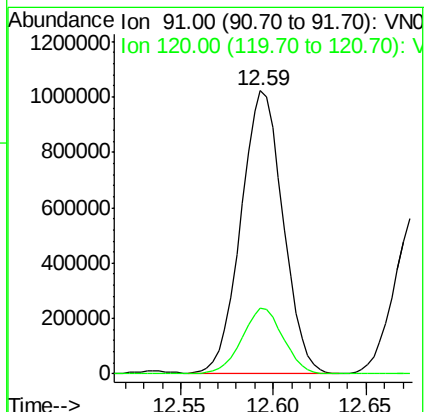
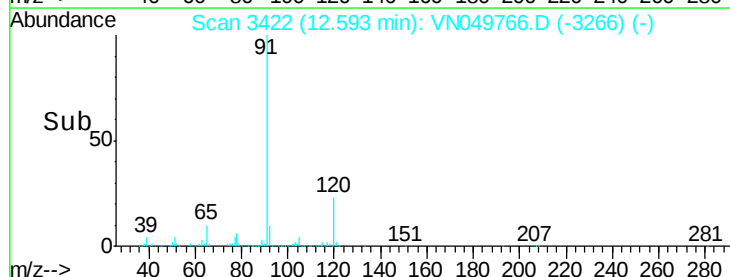
91 100

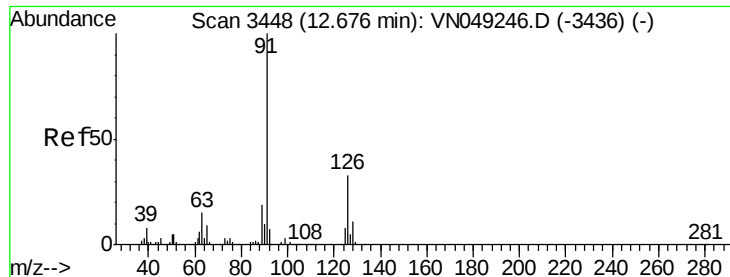
120 22.9 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.18 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049766.D

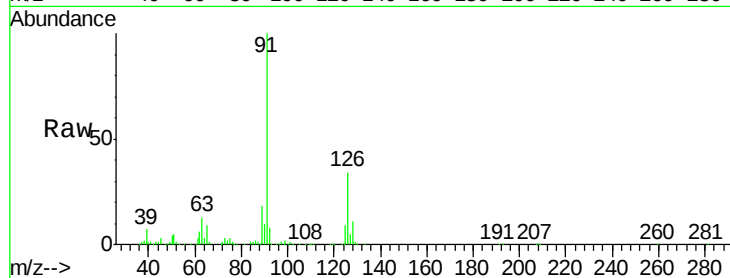
Acq: 11 Jul 2018 19:29

Tot Ion: 91 Resp: 981626

Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN049246.D (-3436) (-)

Ion 126.00 (125.70 to 126.70): VN049246.D (-3436) (-)

1200000

1000000

800000

600000

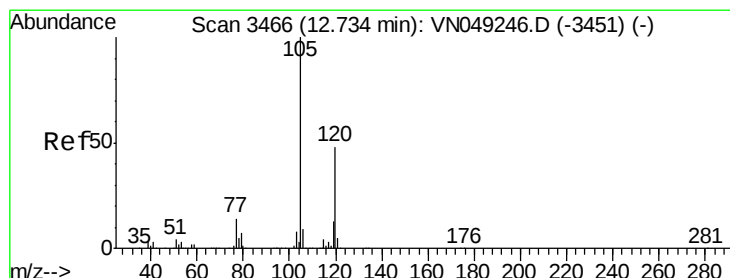
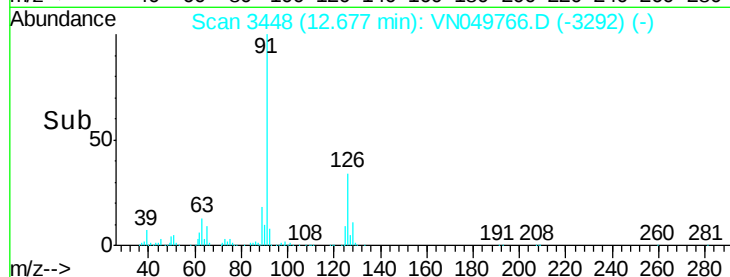
400000

200000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.35 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049766.D

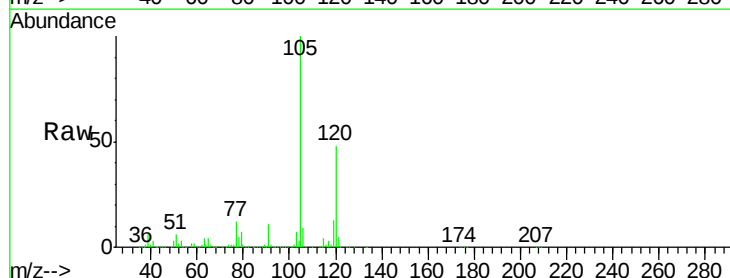
Acq: 11 Jul 2018 19:29

Tgt Ion: 105 Resp: 1159161

Ion Ratio Lower Upper

105 100

120 48.3 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN049246.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049246.D (-3451) (-)

800000

600000

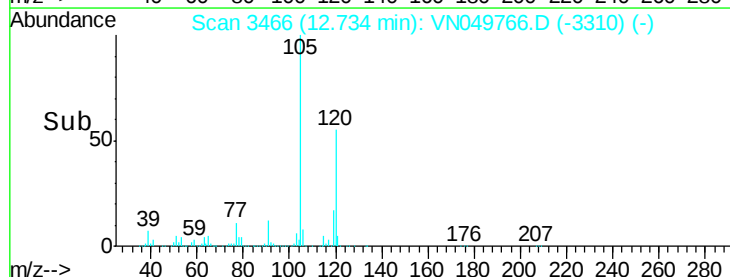
400000

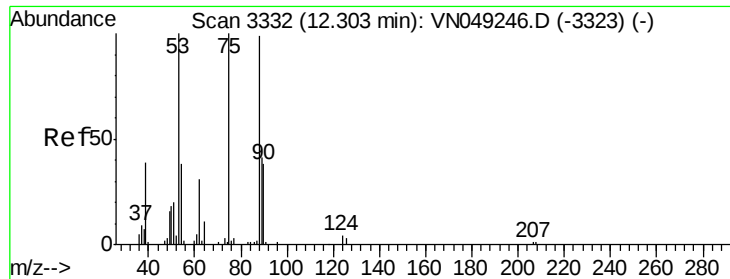
200000

0

12.65 12.70 12.75 12.80

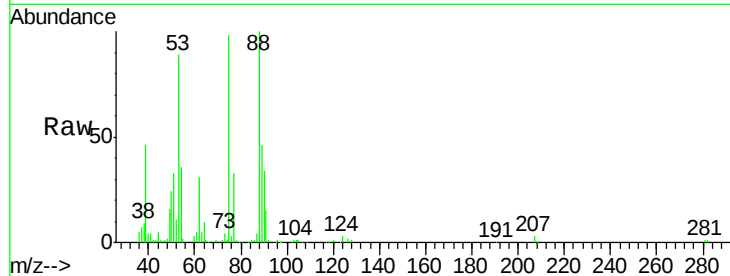
Time-->



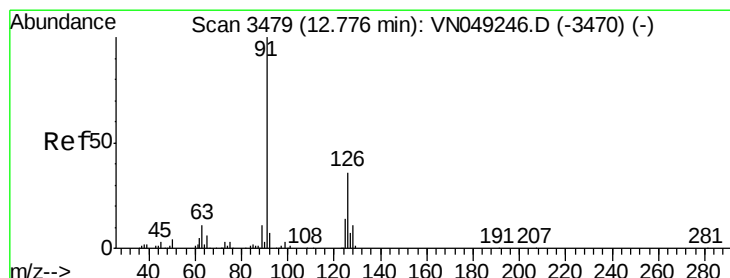
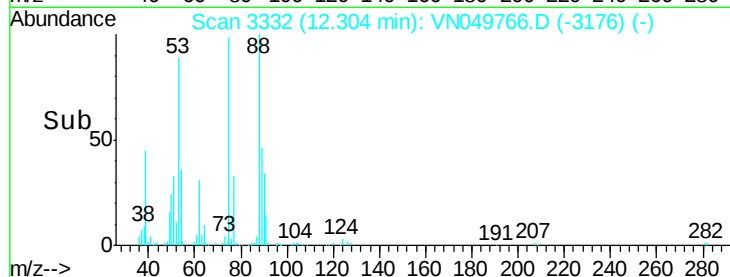
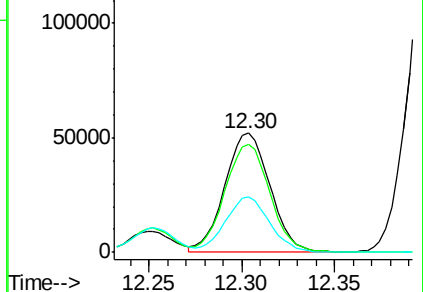


#77
t-1,4-Dichloro-2-butene
Concen: 17.38 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tot Ion: 75 Resp: 87724
Ion Ratio Lower Upper
75 100
53 90.7 44.6 134.0
89 46.2 20.7 62.1

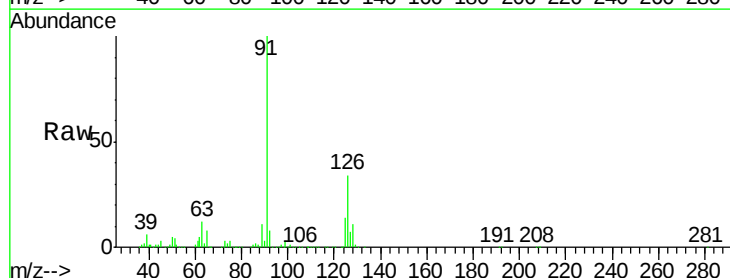


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

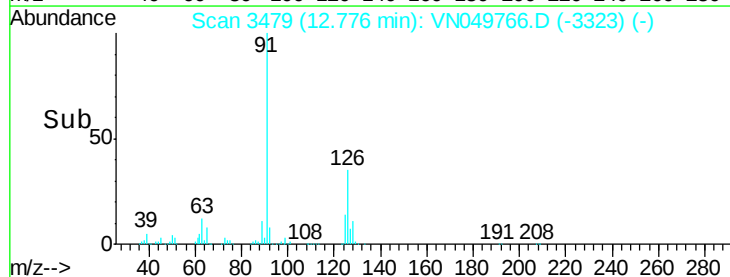
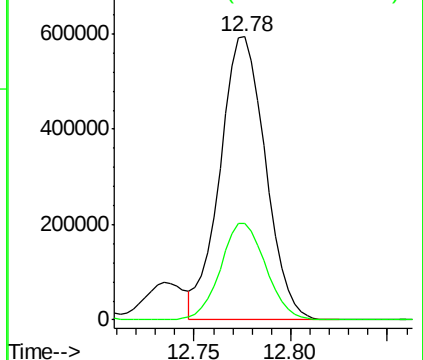


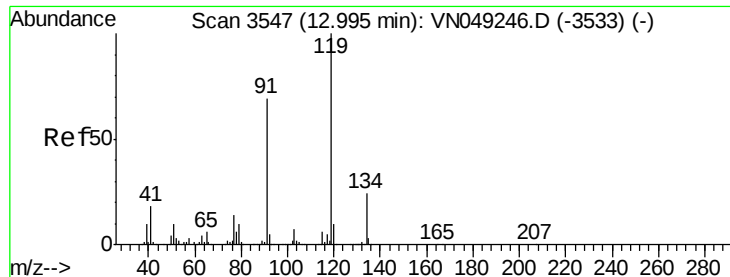
#78
4-Chlorotoluene
Concen: 19.95 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tgt Ion: 91 Resp: 967793
Ion Ratio Lower Upper
91 100
126 34.2 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.91 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

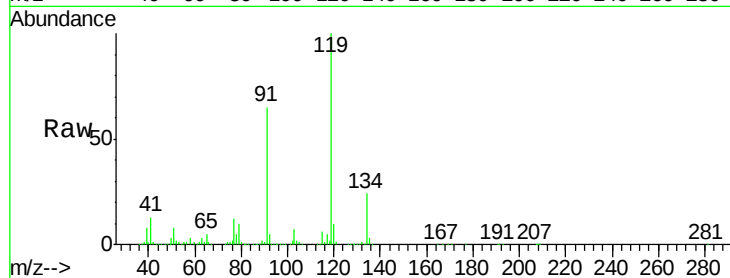
Tot Ion:119 Resp: 984087

Ion Ratio Lower Upper

119 100

91 64.6 0.0 126.8

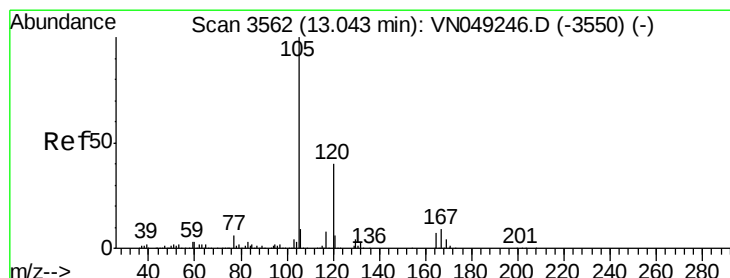
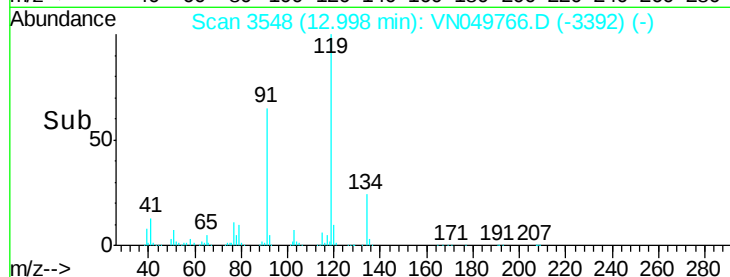
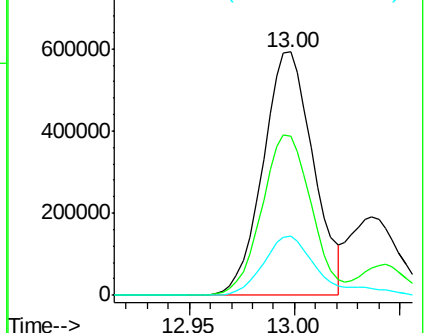
134 24.6 0.0 47.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.37 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049766.D

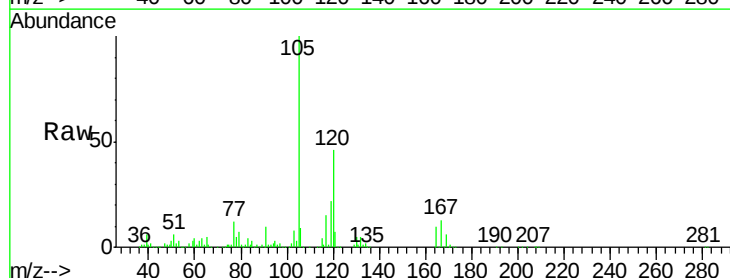
Acq: 11 Jul 2018 19:29

Tgt Ion:105 Resp: 1171303

Ion Ratio Lower Upper

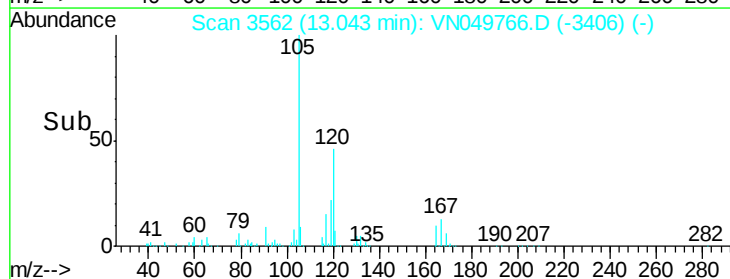
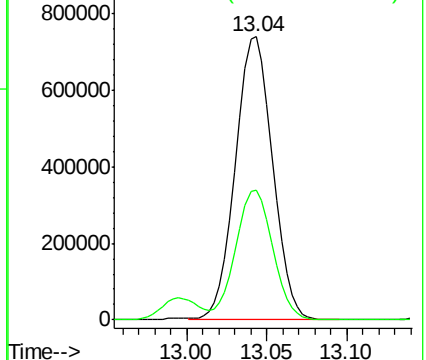
105 100

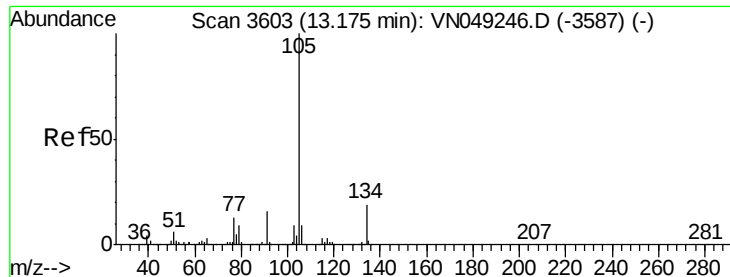
120 45.8 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.20 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049766.D

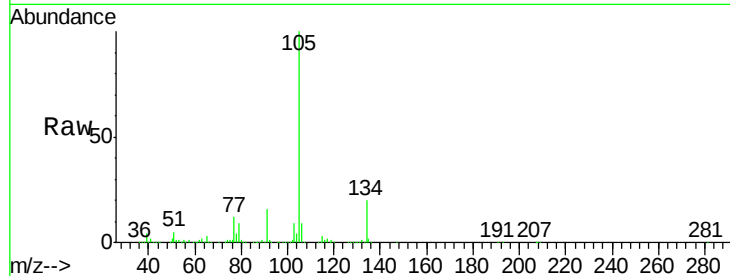
Acq: 11 Jul 2018 19:29

Tot Ion:105 Resp: 1341410

Ion Ratio Lower Upper

105 100

134 19.9 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

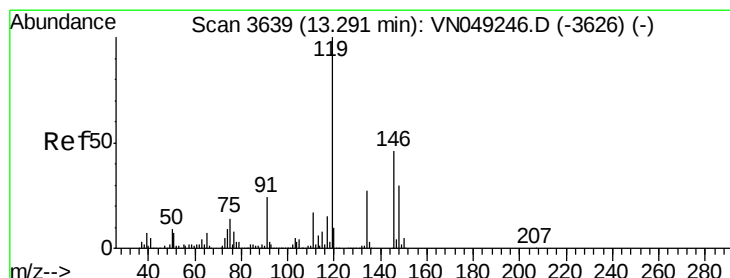
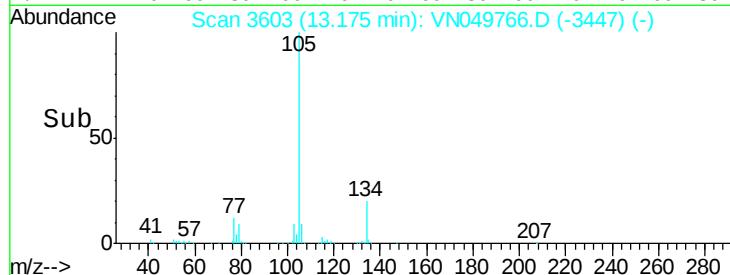
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 19.97 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

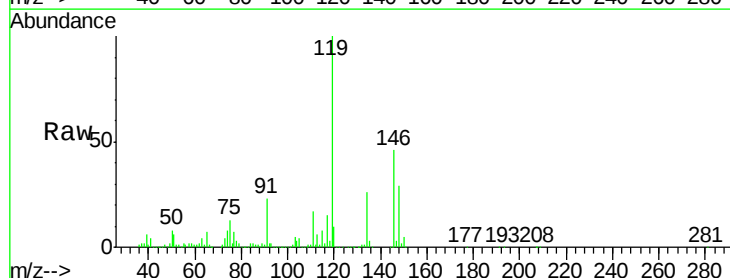
Tgt Ion:119 Resp: 1146530

Ion Ratio Lower Upper

119 100

134 26.3 0.0 52.2

91 22.7 0.0 45.6



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

1000000

800000

600000

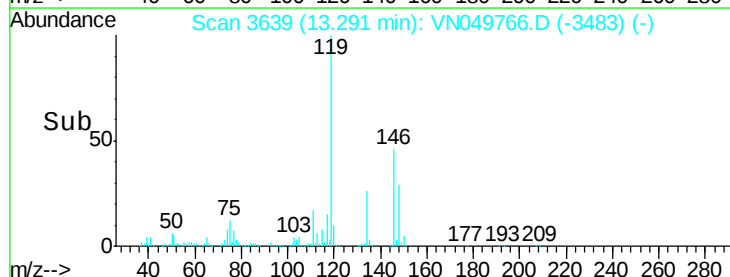
400000

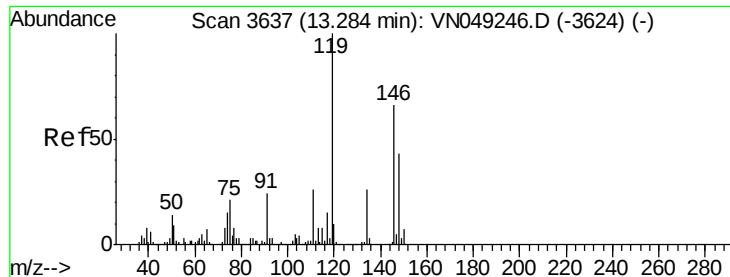
200000

0

13.20 13.25 13.30 13.35

Time-->





#83

1,3-Dichlorobenzene

Concen: 19.57 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

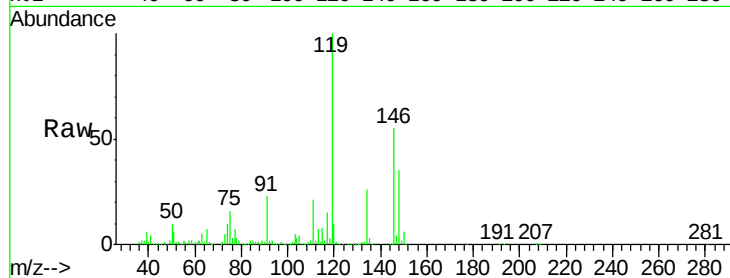
Tot Ion:146 Resp: 623914

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.1

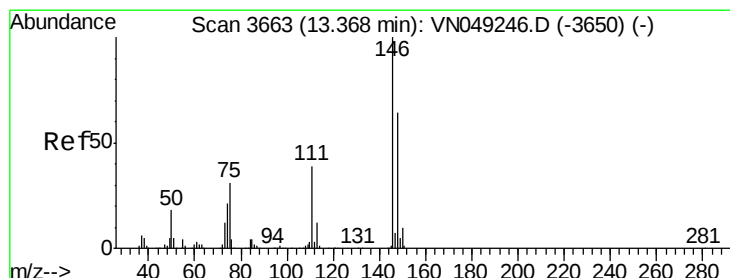
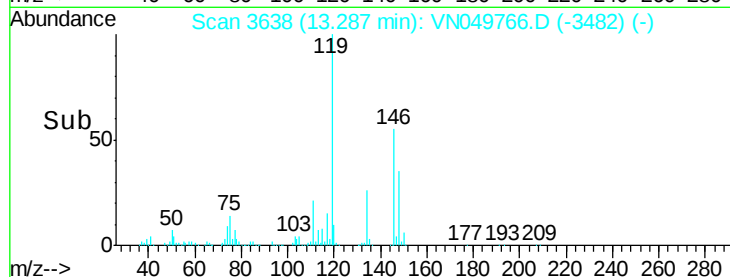
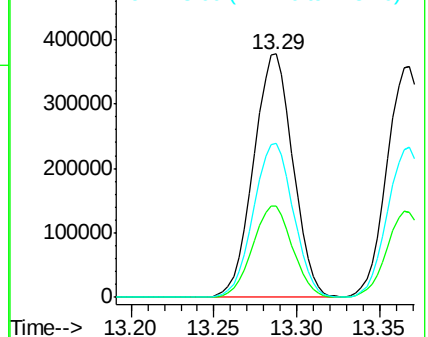
148 64.2 31.9 95.9



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: 19.39 ug/l

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

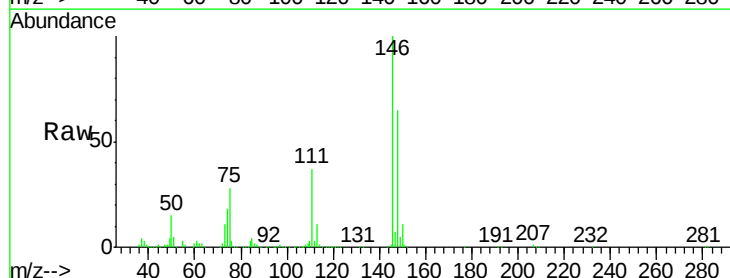
Tgt Ion:146 Resp: 591992

Ion Ratio Lower Upper

146 100

111 36.8 17.9 53.8

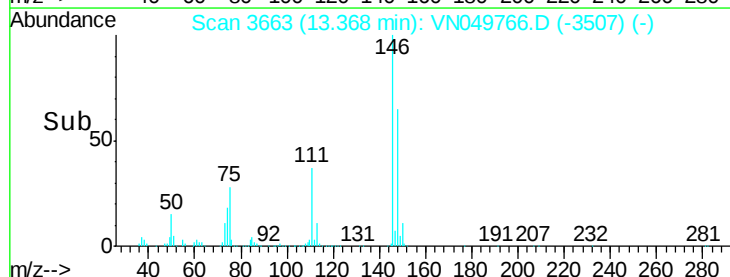
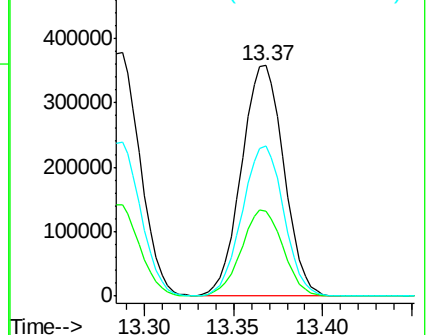
148 64.2 32.4 97.0

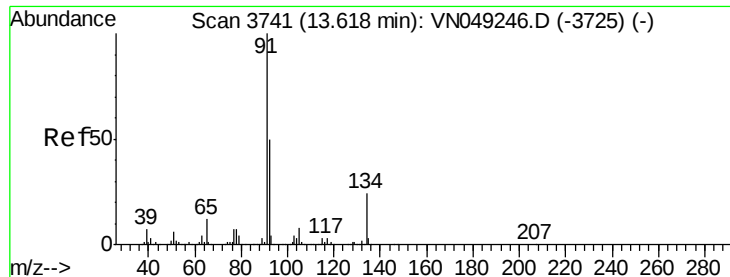


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

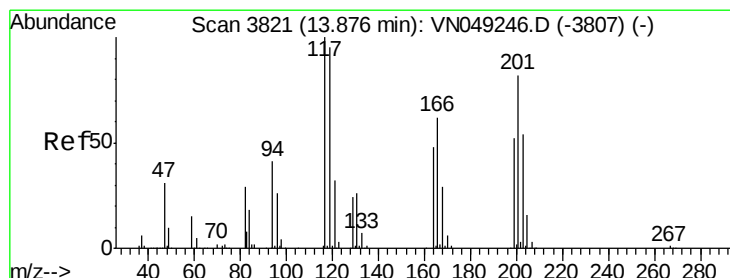
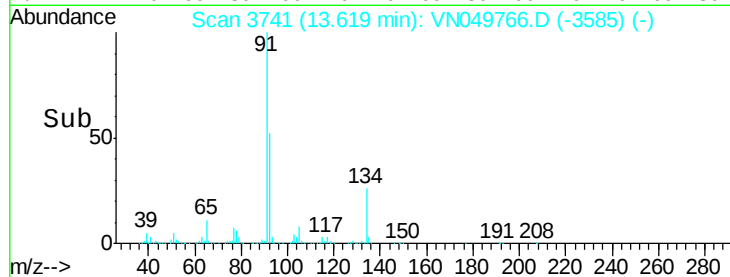
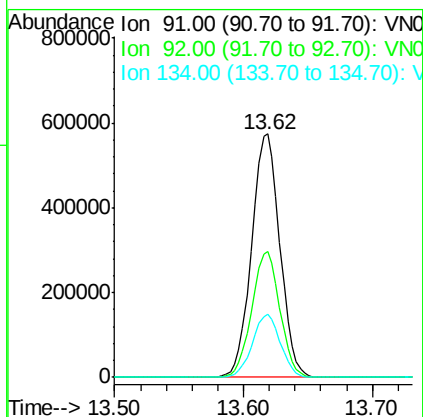
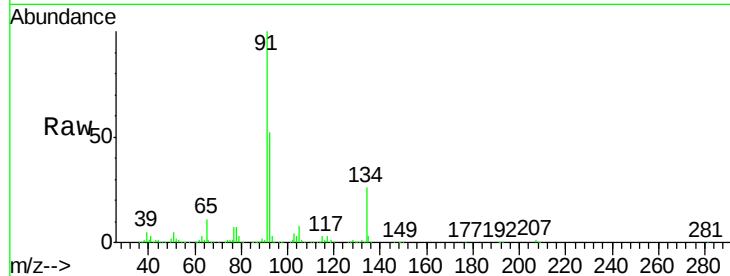
Ion 148.00 (147.70 to 148.70): V





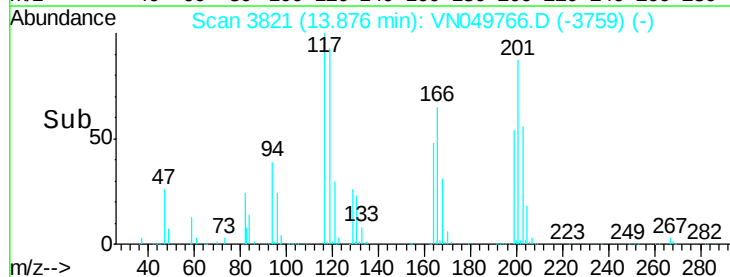
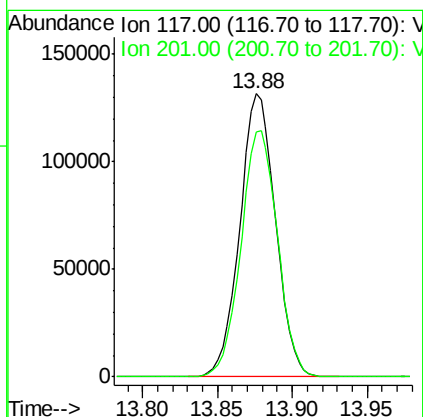
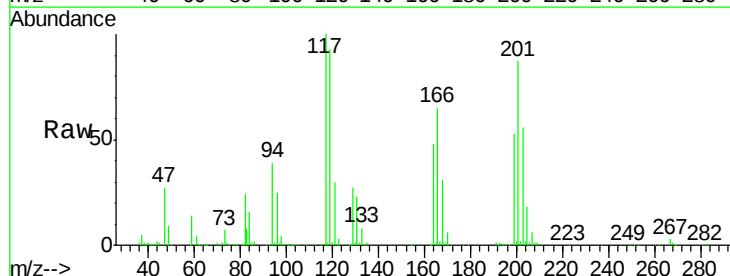
#85
n-Butylbenzene
Concen: 18.77 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

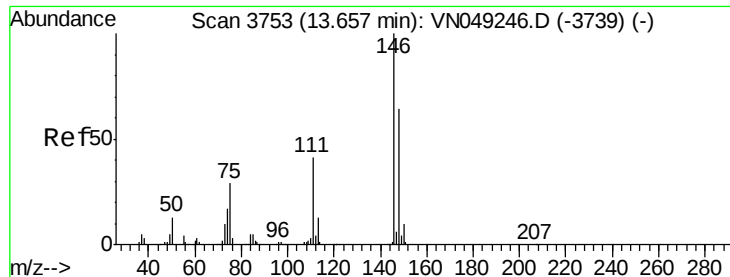
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	102.8
134	25.7	0.0	51.0



#86
Hexachloroethane
Concen: 20.02 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	46.6	139.7





#87

1,2-Dichlorobenzene

Concen: 20.35 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

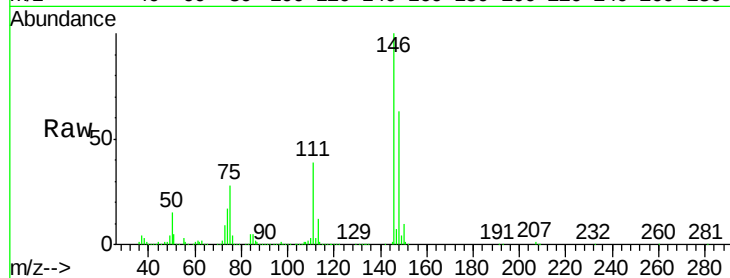
Tot Ion:146 Resp: 624766

Ion Ratio Lower Upper

146 100

111 39.2 19.8 59.3

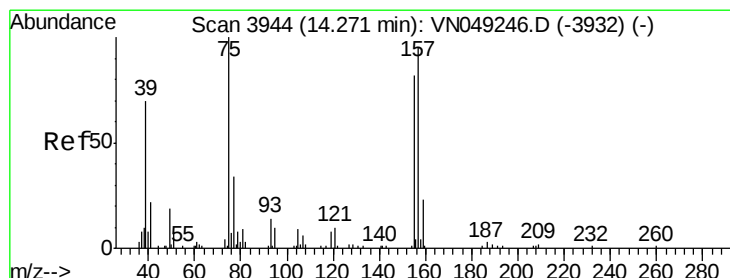
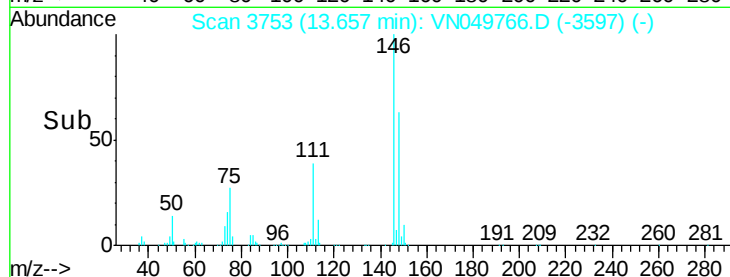
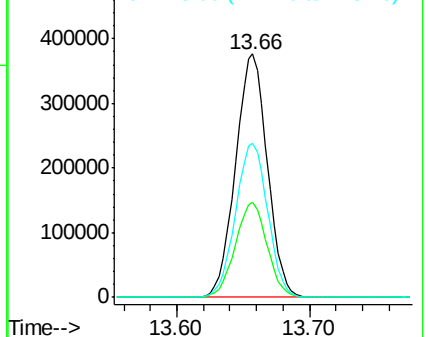
148 64.2 31.8 95.3



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: 19.41 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049766.D

Acq: 11 Jul 2018 19:29

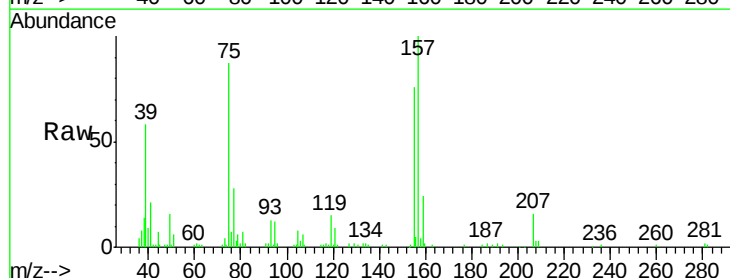
Tgt Ion: 75 Resp: 52001

Ion Ratio Lower Upper

75 100

155 90.7 73.0 109.6

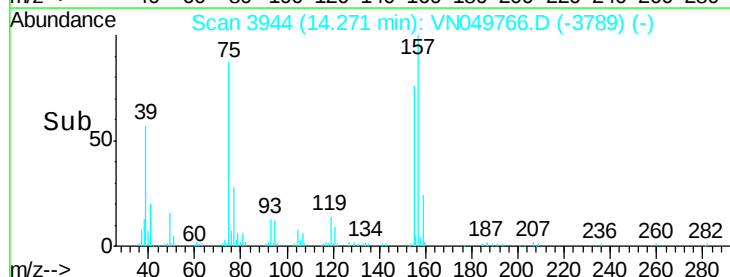
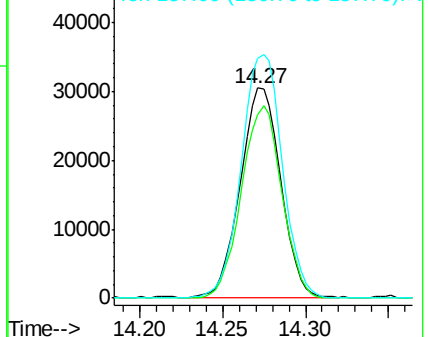
157 117.3 94.9 142.3

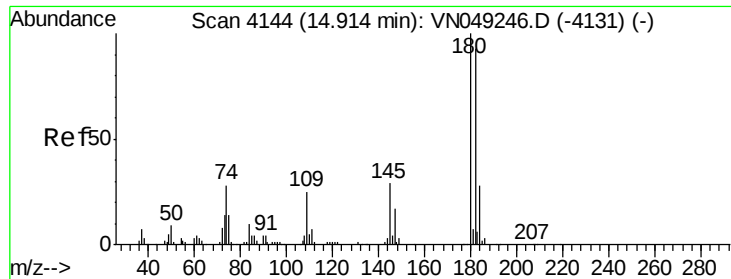


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

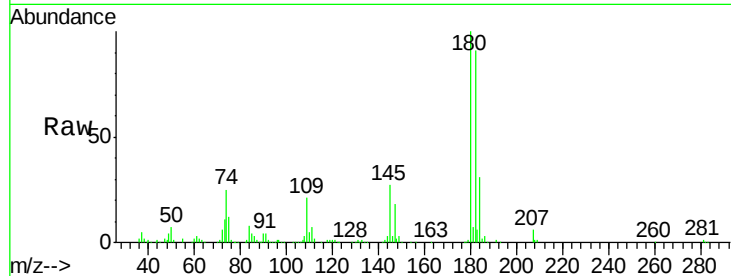
Ion 157.00 (156.70 to 157.70): V



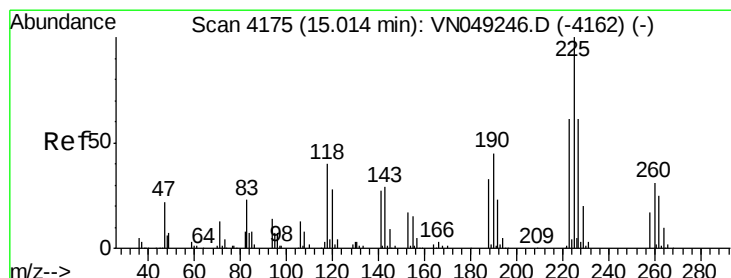
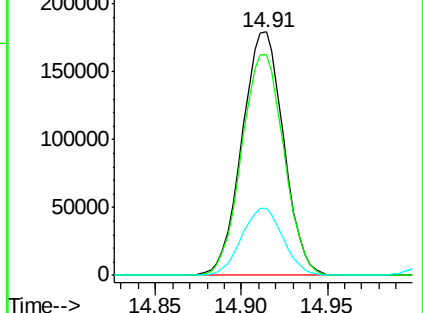
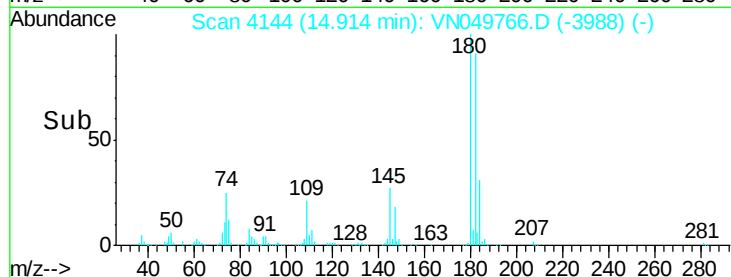


#89
 1,2,4-Trichlorobenzene
 Concen: 19.42 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049766.D
 Acq: 11 Jul 2018 19:29

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	76.7	115.1
145	27.6	23.4	35.0

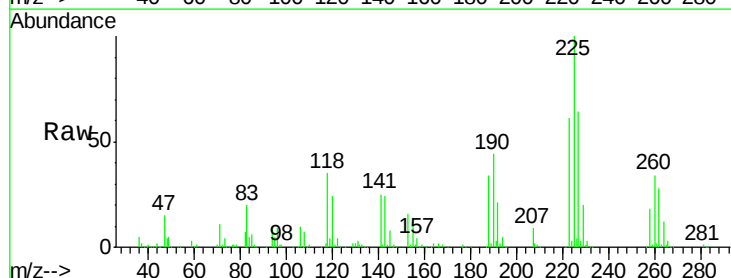


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

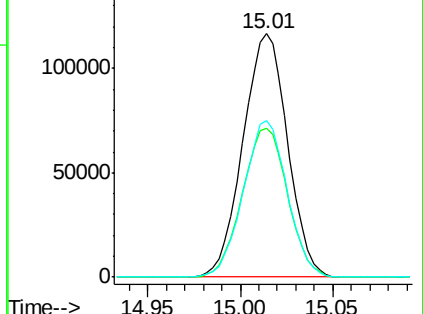
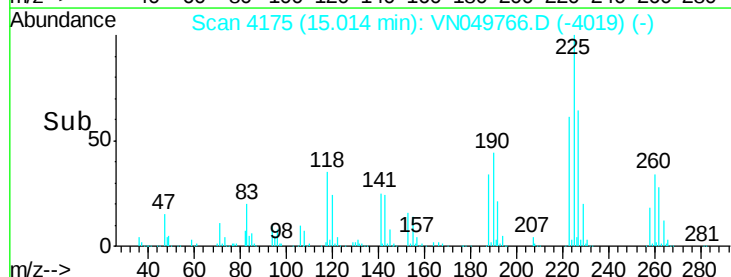


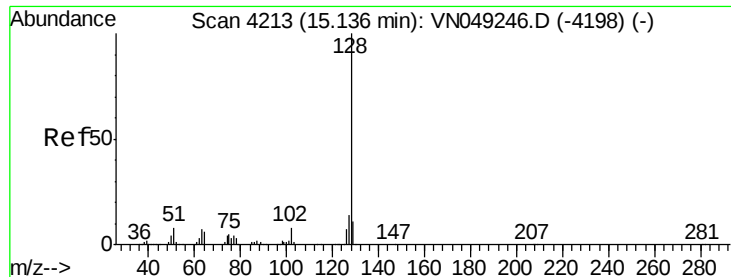
#90
 Hexachlorobutadiene
 Concen: 19.83 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049766.D
 Acq: 11 Jul 2018 19:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	124.4
227	63.0	0.0	133.0



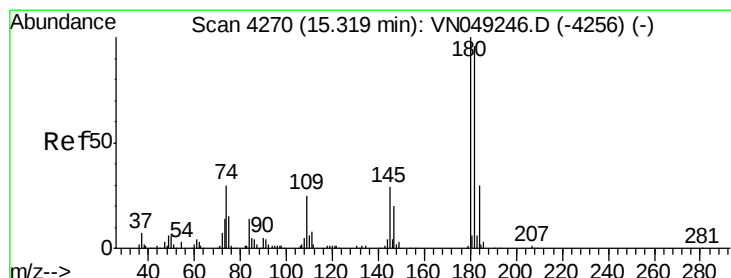
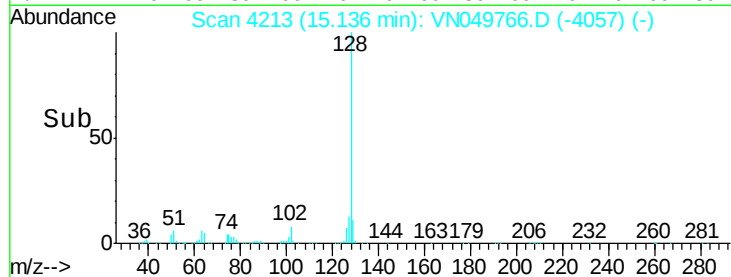
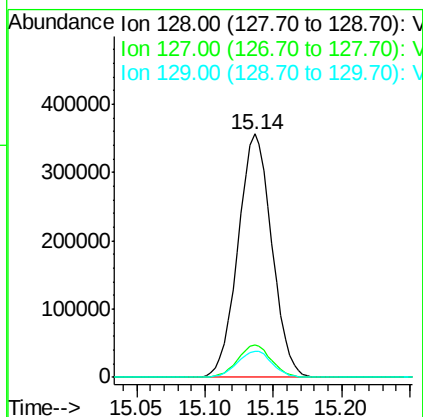
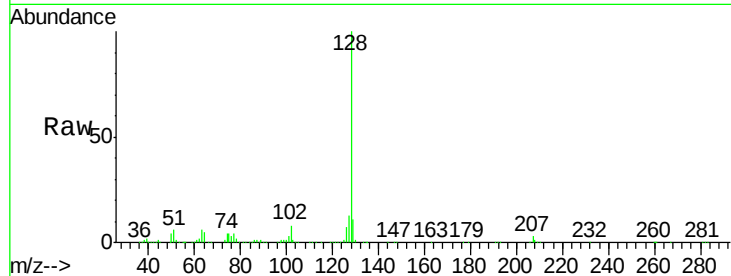
Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91
Naphthalene
Concen: 17.95 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tot Ion:128 Resp: 613378
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.0 9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 19.53 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049766.D
Acq: 11 Jul 2018 19:29

Tgt Ion:180 Resp: 303761
Ion Ratio Lower Upper
180 100
182 97.4 0.0 188.8
145 30.5 0.0 60.8

