

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066726.D
 Acq On : 22 Apr 2021 19:46
 Operator : JC/MD
 Sample : M2150-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:31:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Apr 21 16:55:39 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

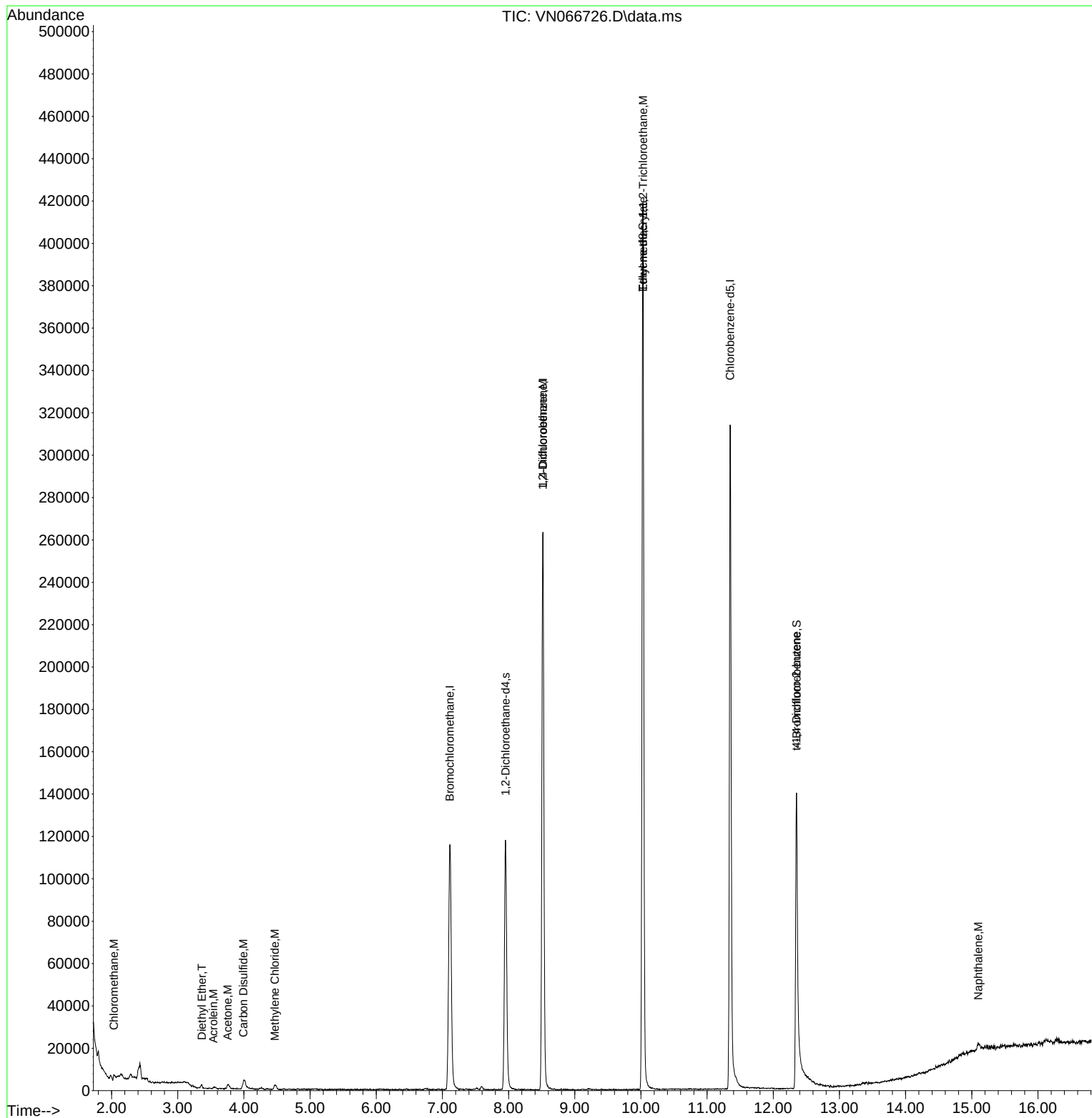
Internal Standards						
1) Bromochloromethane	7.111	128	47863	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.519	114	246575	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.348	117	208219	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.953	65	101604	29.46	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.20%		
60) 4-Bromofluorobenzene	12.352	95	67230	20.60	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	68.67%		
63) Toluene-d8	10.029	98	301696	31.49	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.97%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1410	0.38	ug/l #	79
8) Diethyl Ether	3.364	74	451	0.26	ug/l	58
13) Acrolein	3.539	56	287	0.60	ug/l #	16
15) Acetone	3.756	58	454	1.16	ug/l #	43
16) Carbon Disulfide	3.992	76	1979	0.26	ug/l #	76
18) Methylene Chloride	4.467	84	933	0.29	ug/l #	78
36) 1,2-Dichloroethane	8.516	62	7725	1.88	ug/l #	76
50) 1,1,2-Trichloroethane	10.034	97	11044	3.67	ug/l #	1
51) Ethyl methacrylate	10.032	69	1003	0.24	ug/l	81
77) t-1,4-Dichloro-2-butene	12.349	75	32028	29.38	ug/l #	10
91) Naphthalene	15.098	128	5445	0.79	ug/l #	80

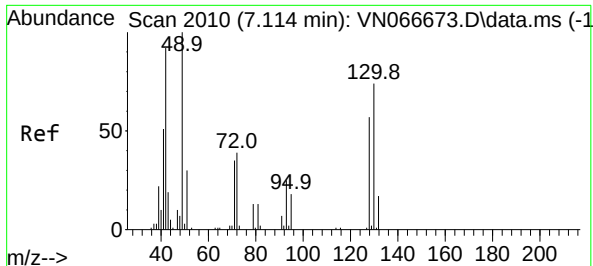
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Apr 23 06:31:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Apr 21 16:55:39 2021
Response via : Initial Calibration

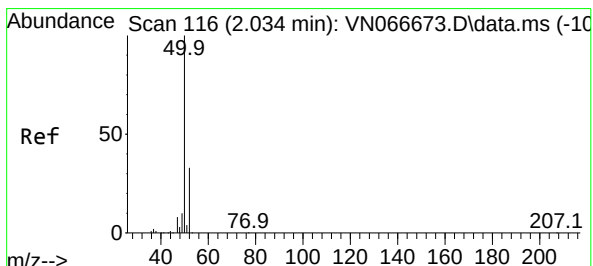
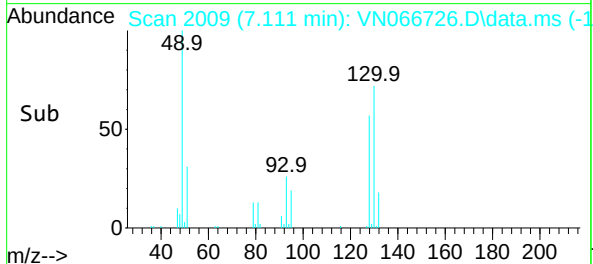
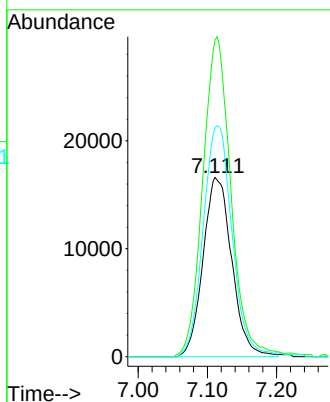
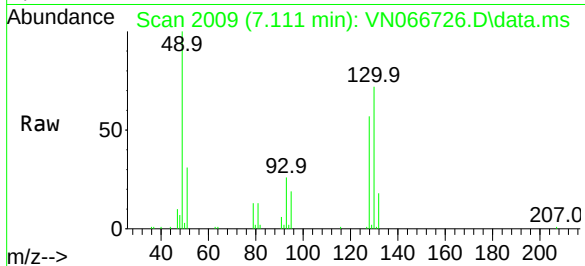




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.111 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

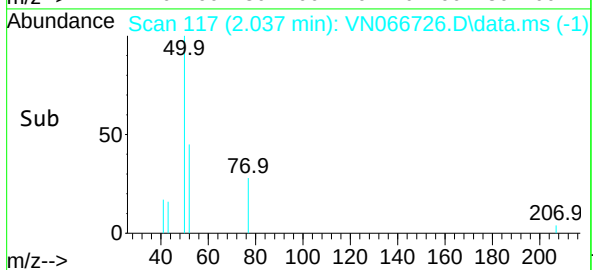
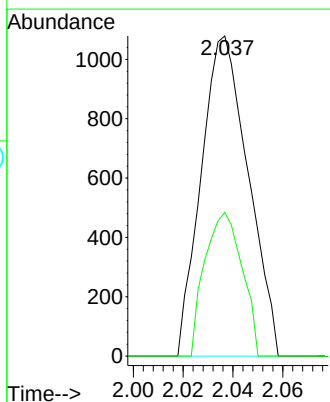
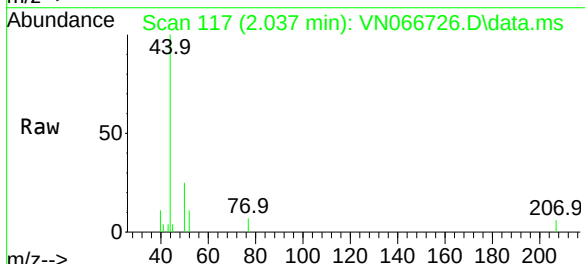
Instrument :
MSVOA_N
ClientSampled :

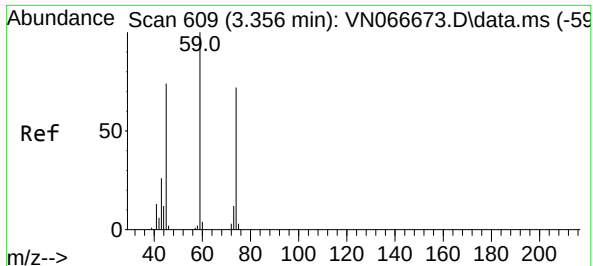
Tgt Ion:128 Resp: 47863
Ion Ratio Lower Upper
128 100
49 171.6 0.0 429.3
130 128.8 0.0 328.5



#3
Chloromethane
Concen: 0.38 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

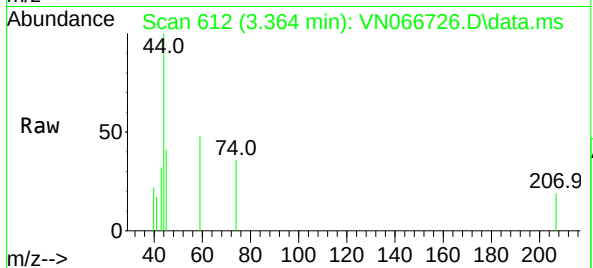
Tgt Ion: 50 Resp: 1410
Ion Ratio Lower Upper
50 100
52 44.9 26.2 39.4#



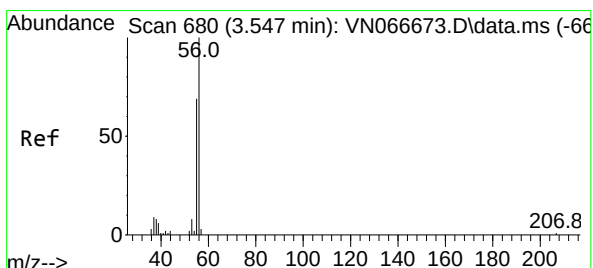
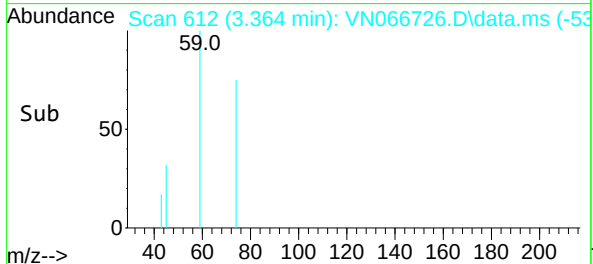
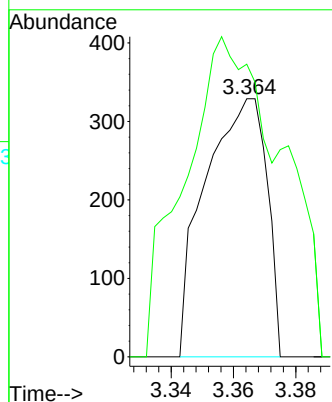


#8
Diethyl Ether
Concen: 0.26 ug/l
RT: 3.364 min Scan# 612
Delta R.T. 0.008 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

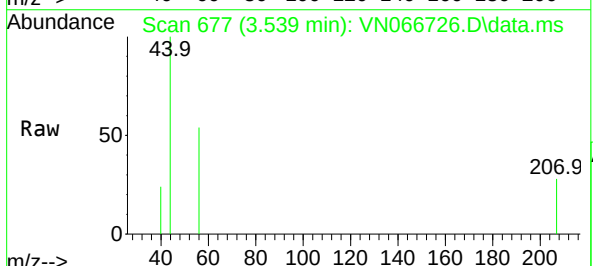
Instrument :
MSVOA_N
ClientSampleId :



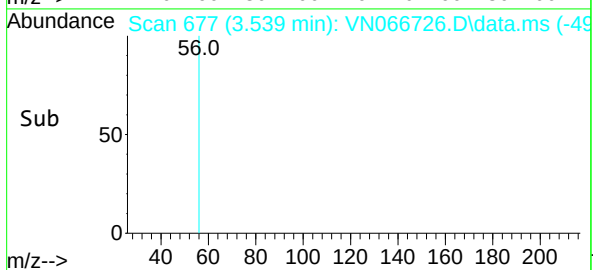
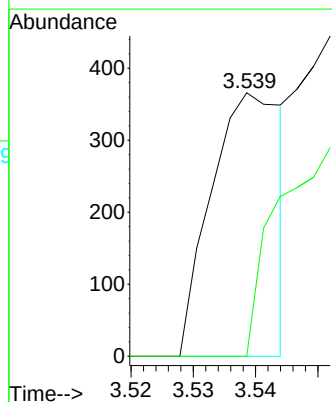
Tgt Ion: 74 Resp: 451
Ion Ratio Lower Upper
74 100
45 56.8 19.6 176.4

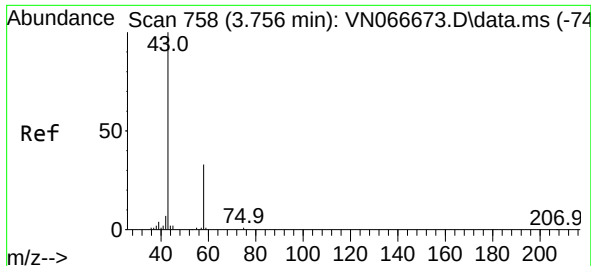


#13
Acrolein
Concen: 0.60 ug/l
RT: 3.539 min Scan# 677
Delta R.T. -0.008 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46



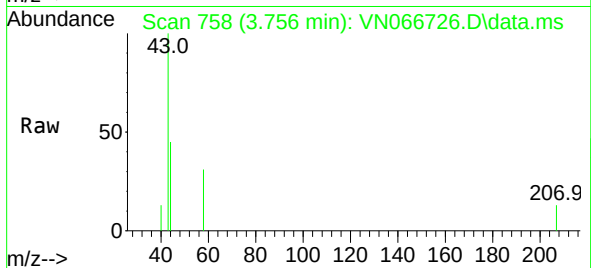
Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



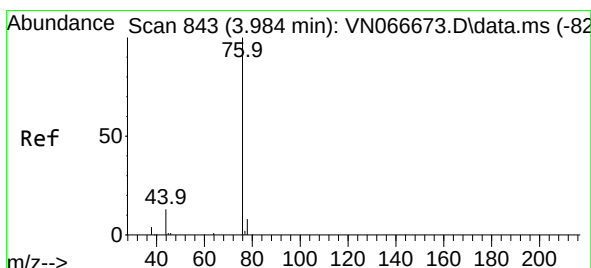
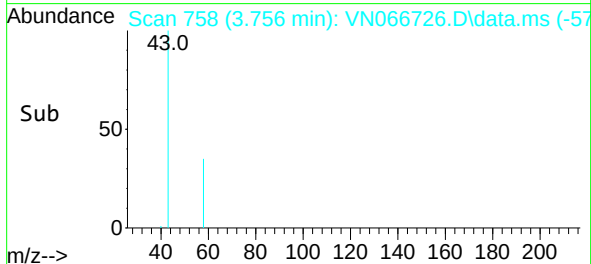
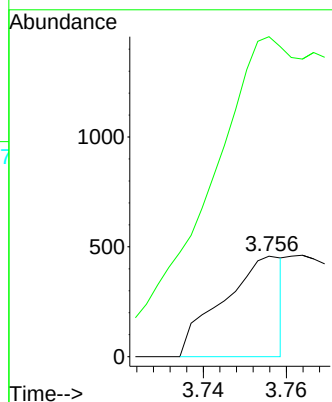


#15
Acetone
Concen: 1.16 ug/l
RT: 3.756 min Scan# 758
Delta R.T. -0.000 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

Instrument :
MSVOA_N
ClientSampled :

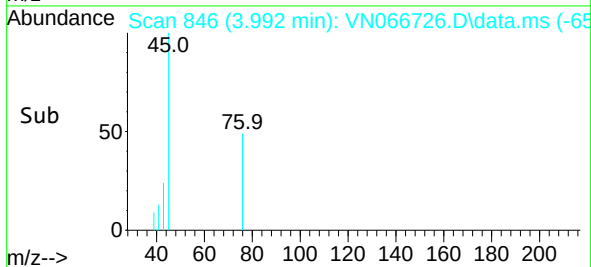
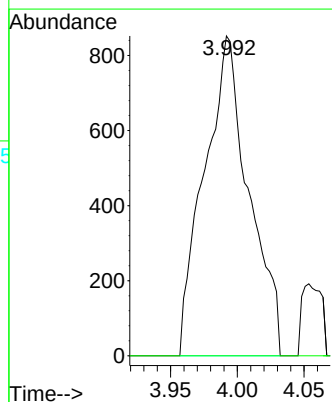
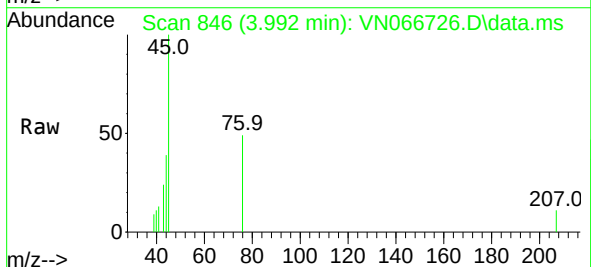


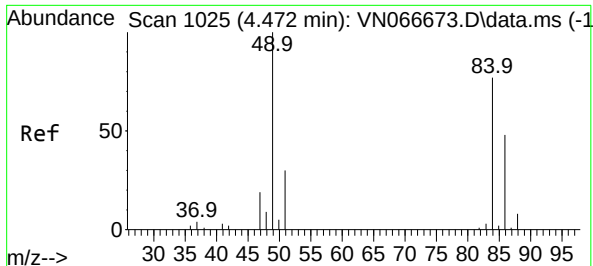
Tgt Ion: 58 Resp: 454
Ion Ratio Lower Upper
58 100
43 214.9 267.3 400.9#



#16
Carbon Disulfide
Concen: 0.26 ug/l
RT: 3.992 min Scan# 846
Delta R.T. 0.008 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

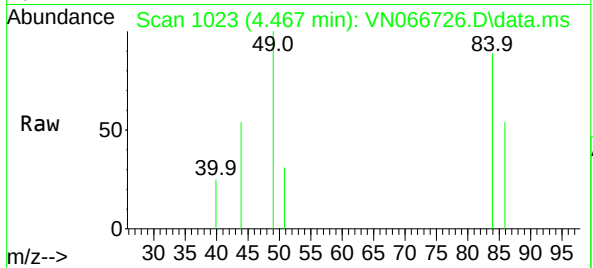
Tgt Ion: 76 Resp: 1979
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





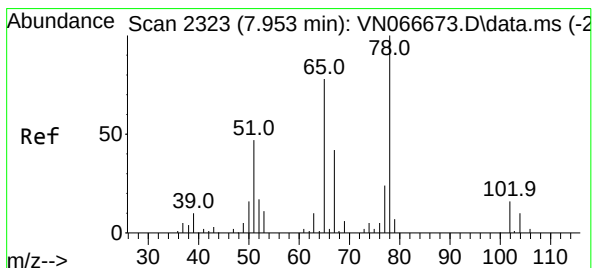
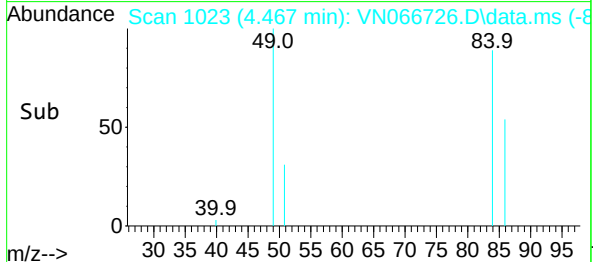
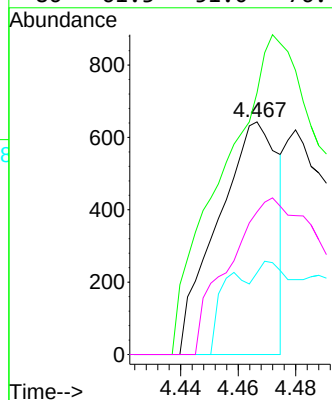
#18
Methylene Chloride
Concen: 0.29 ug/l
RT: 4.467 min Scan# 1023
Delta R.T. -0.005 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 933

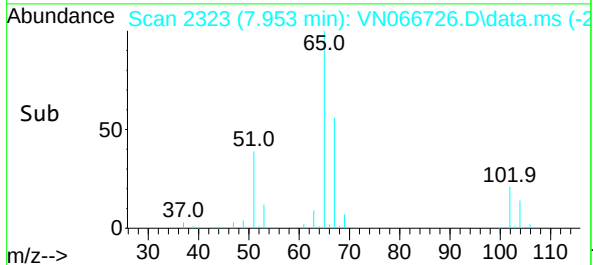
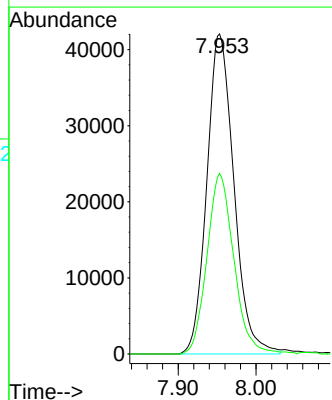
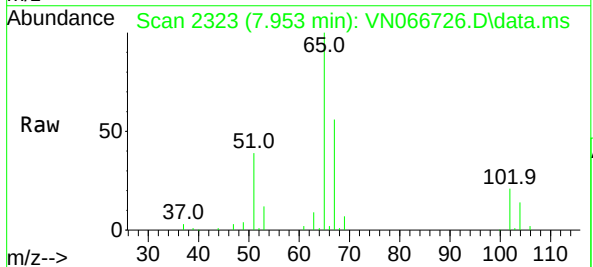
Ion	Ratio	Lower	Upper
84	100		
49	82.4	98.9	148.3#
51	35.1	30.8	46.2
86	61.3	51.0	76.4

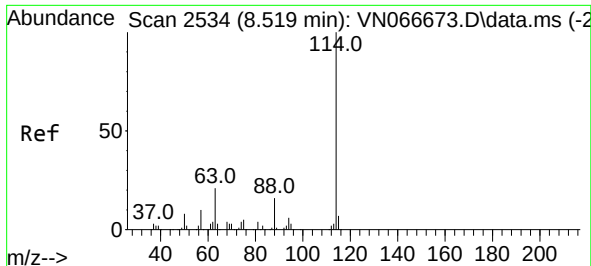


#27
1,2-Dichloroethane-d4
Concen: 29.46 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

Tgt Ion: 65 Resp: 101604

Ion	Ratio	Lower	Upper
65	100		
67	55.8	42.2	63.4





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.519 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VN066726.D

Acq: 22 Apr 2021 19:46

Tgt Ion:114 Resp: 246575

Ion Ratio Lower Upper

114 100

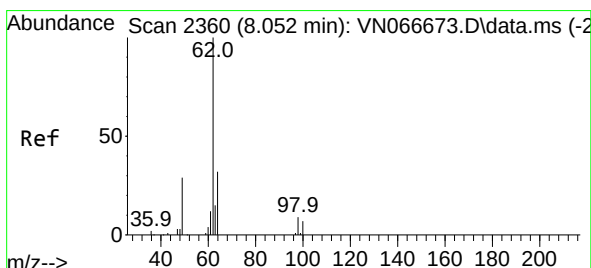
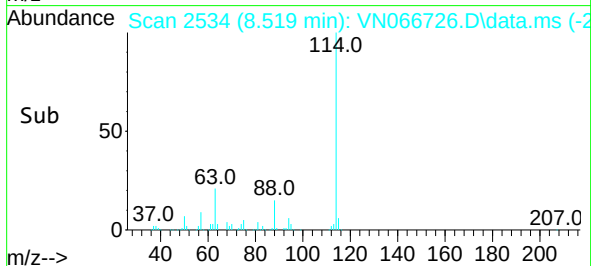
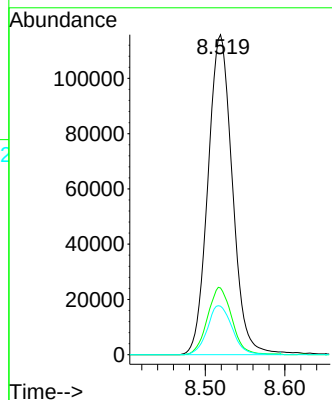
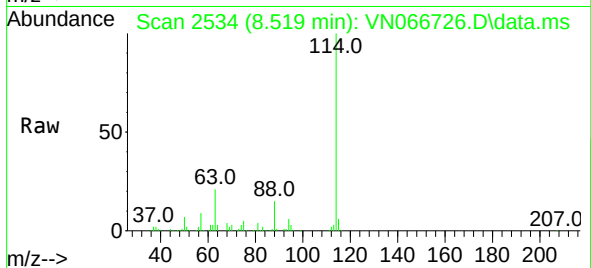
63 21.0 17.4 26.0

88 15.5 12.6 19.0

Instrument :

MSVOA_N

ClientSampled :



#36

1,2-Dichloroethane

Concen: 1.88 ug/l

RT: 8.516 min Scan# 2533

Delta R.T. 0.464 min

Lab File: VN066726.D

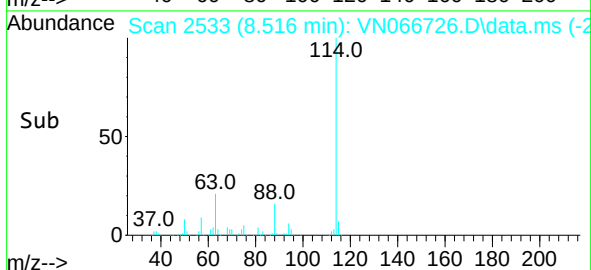
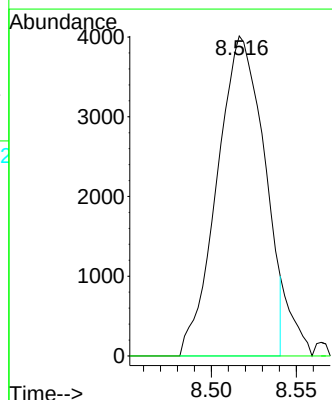
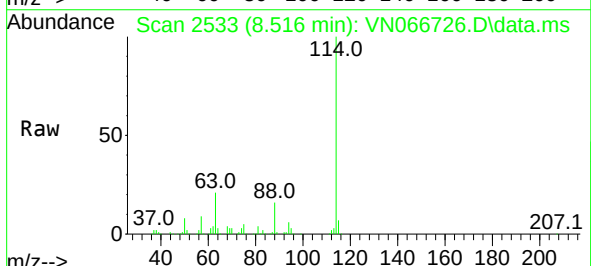
Acq: 22 Apr 2021 19:46

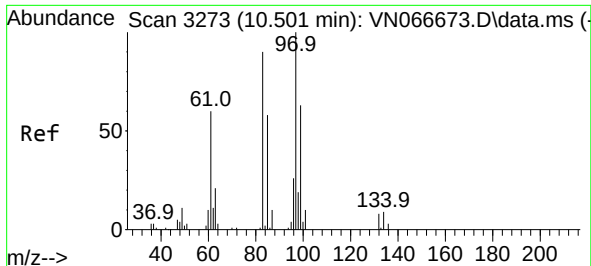
Tgt Ion: 62 Resp: 7725

Ion Ratio Lower Upper

62 100

98 0.0 6.9 10.3#

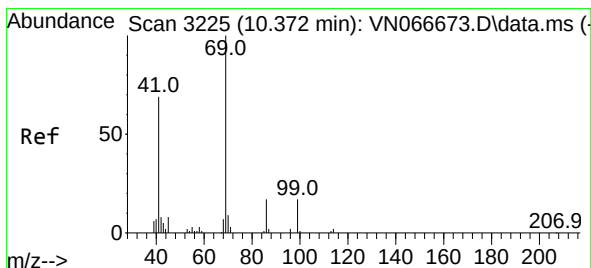
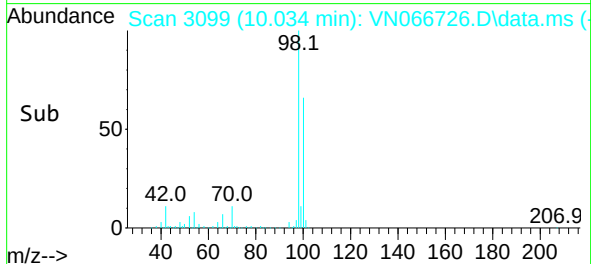
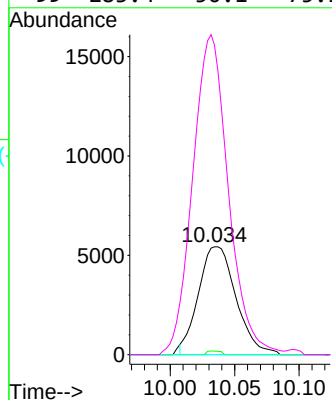
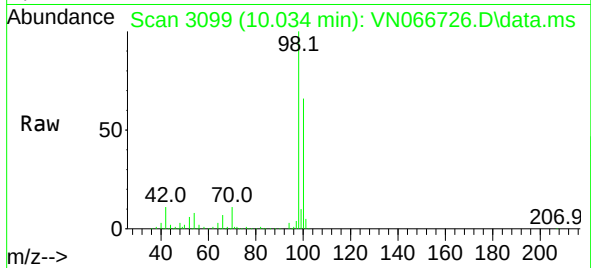




#50
1,1,2-Trichloroethane
Concen: 3.67 ug/l
RT: 10.034 min Scan# 3099
Delta R.T. -0.467 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

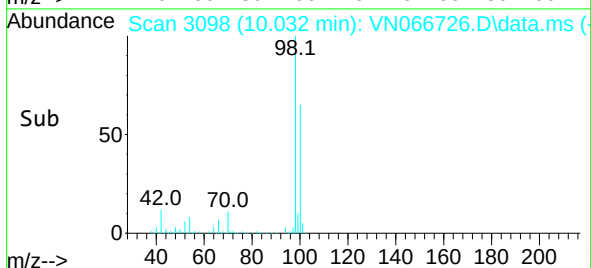
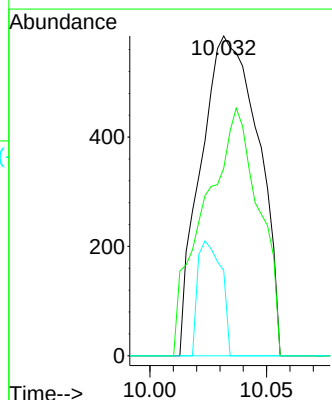
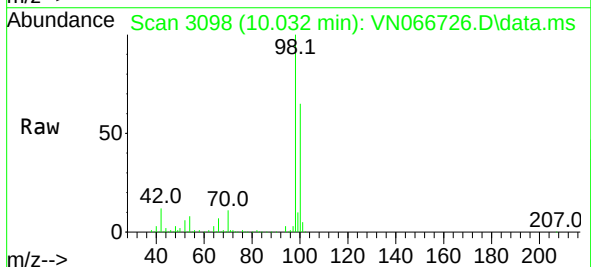
Instrument :
MSVOA_N
ClientSampleId :

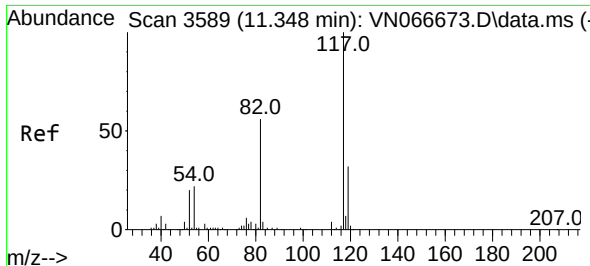
Tgt Ion: 97 Resp: 11044
Ion Ratio Lower Upper
97 100
83 3.3 68.8 103.2#
85 0.0 44.8 67.2#
99 283.4 50.1 75.1#



#51
Ethyl methacrylate
Concen: 0.24 ug/l
RT: 10.032 min Scan# 3098
Delta R.T. -0.340 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

Tgt Ion: 69 Resp: 1003
Ion Ratio Lower Upper
69 100
41 58.6 34.8 104.5
39 26.7 22.5 67.5

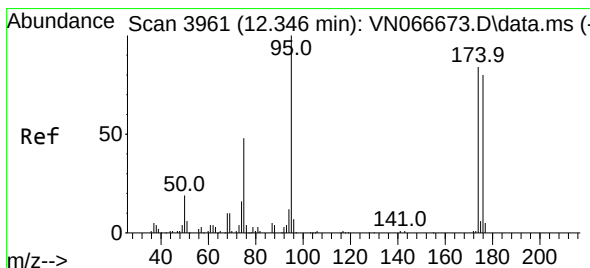
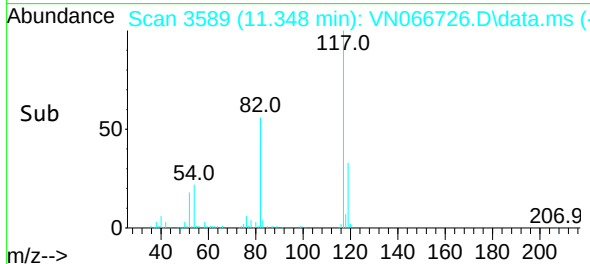
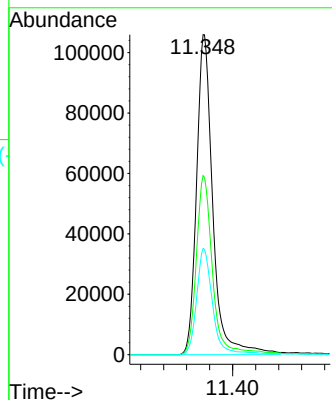
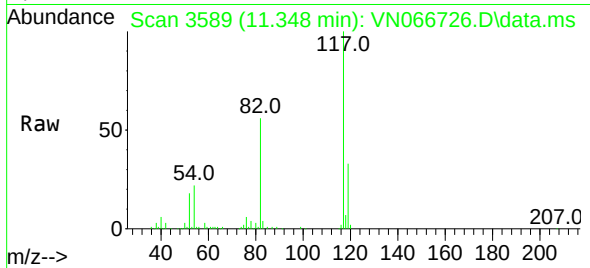




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

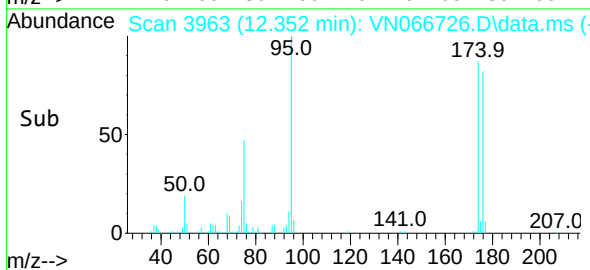
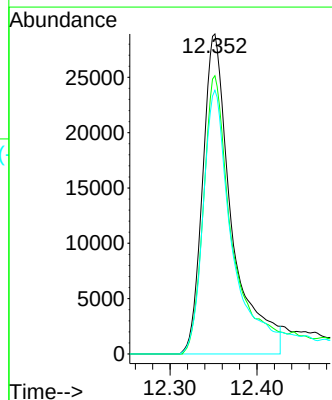
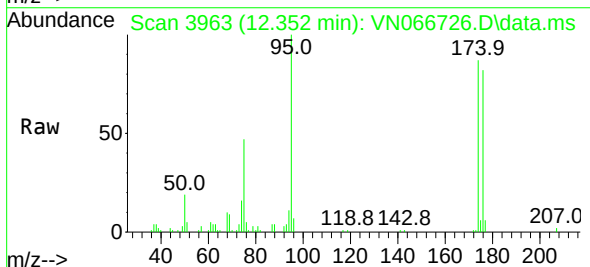
Instrument :
MSVOA_N
ClientSampleId :

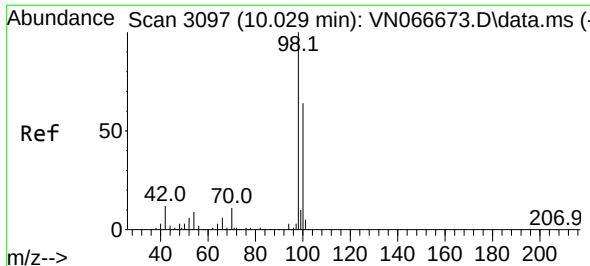
Tgt Ion:117 Resp: 208219
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.6
119 31.7 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 20.60 ug/l
RT: 12.352 min Scan# 3963
Delta R.T. 0.006 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

Tgt Ion: 95 Resp: 67230
Ion Ratio Lower Upper
95 100
174 79.8 68.1 102.1
176 85.9 65.4 98.0

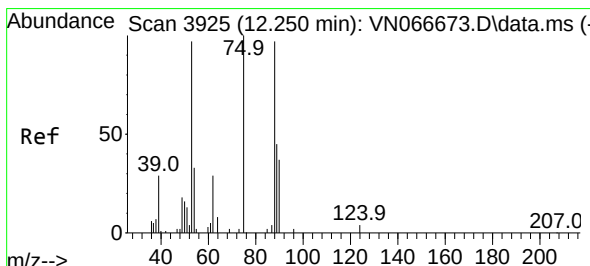
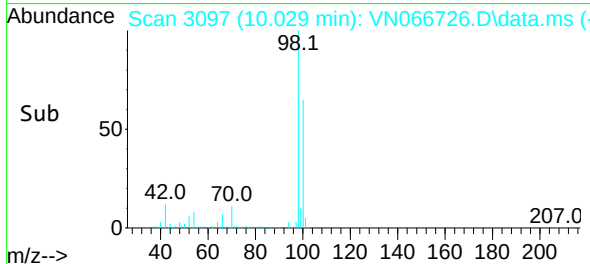
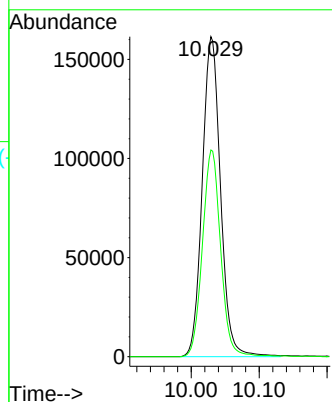
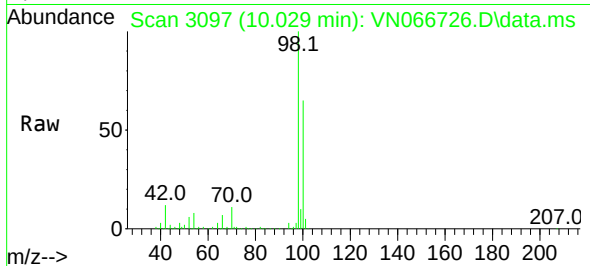




#63
Toluene-d8
Concen: 31.49 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

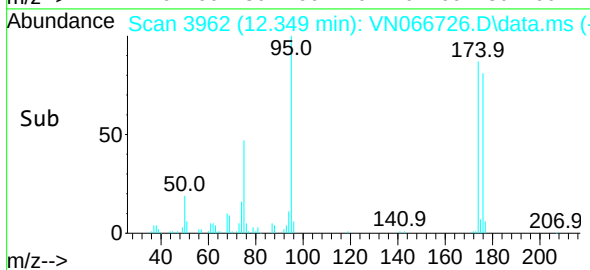
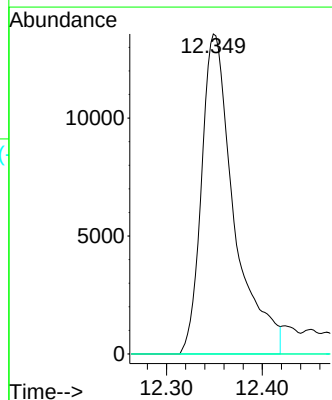
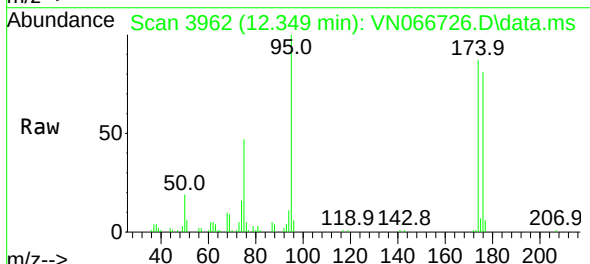
Instrument :
MSVOA_N
ClientSampled :

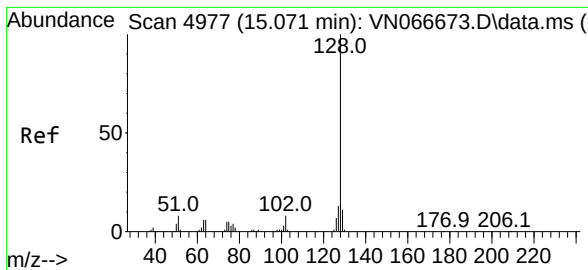
Tgt Ion: 98 Resp: 301696
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 29.38 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.099 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

Tgt Ion: 75 Resp: 32028
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 0.79 ug/l
RT: 15.098 min Scan# 4987
Delta R.T. 0.027 min
Lab File: VN066726.D
Acq: 22 Apr 2021 19:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	5445
Ion Ratio	Lower	Upper	
128	100		
127	2.9	10.2	15.2#
129	5.1	8.6	13.0#

