

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072684.D
 Acq On : 07 Jun 2022 13:41
 Operator : JC\MD
 Sample : N3172-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: Jun 08 09:51:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

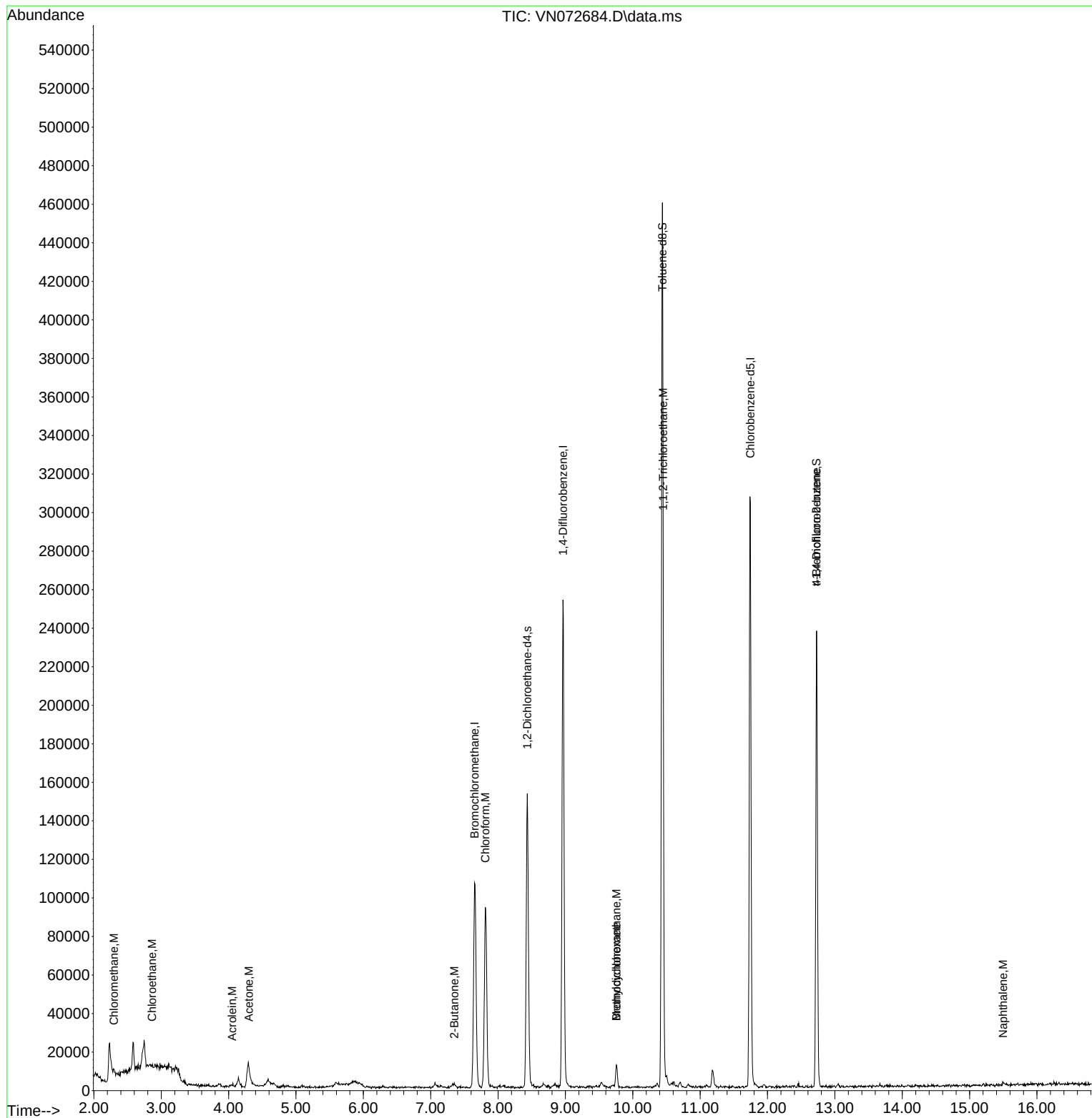
Internal Standards						
1) Bromochloromethane	7.651	128	35126	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	207554	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	166608	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	124955	31.192	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.967%
60) 4-Bromofluorobenzene	12.727	95	82107	23.961	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.867%
63) Toluene-d8	10.439	98	307157	33.281	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	110.933%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1196	0.418	ug/l #	40
6) Chloroethane	2.863	64	685	0.398	ug/l	98
13) Acrolein	4.051	56	1481	3.533	ug/l #	50
15) Acetone	4.298	58	6283	11.889	ug/l	91
25) Chloroform	7.810	83	87871	15.507	ug/l	97
30) 2-Butanone	7.351	43	4120	1.439	ug/l #	74
38) Methylcyclohexane	9.757	83	8283	1.754	ug/l #	22
41) Bromodichloromethane	9.757	83	8283	1.754	ug/l	92
50) 1,1,2-Trichloroethane	10.451	97	8942	2.865	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	47920	30.519	ug/l #	8
91) Naphthalene	15.498	128	1838	0.206	ug/l #	68

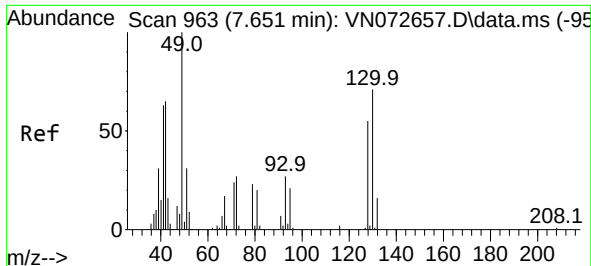
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
14B-2

Quant Time: Jun 08 09:51:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 06 14:10:15 2022
Response via : Initial Calibration

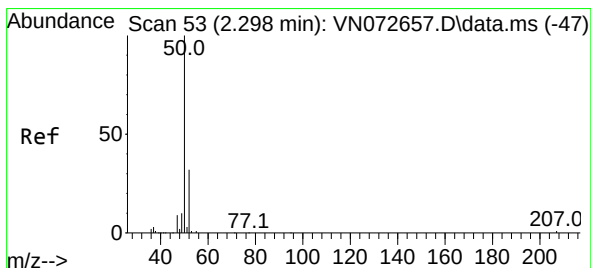
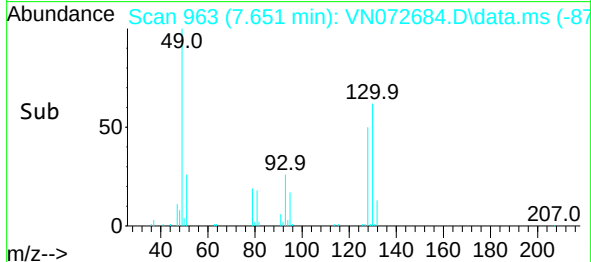
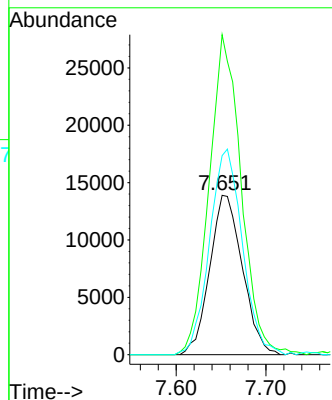
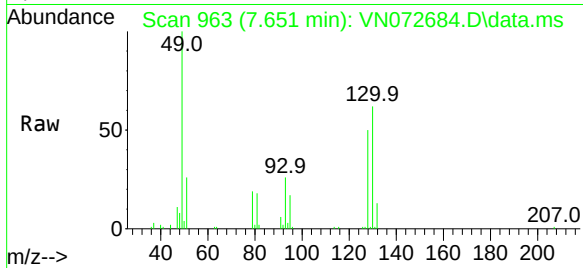




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

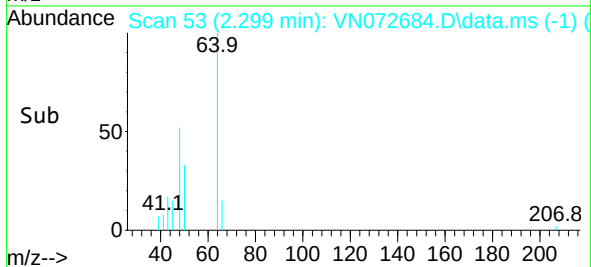
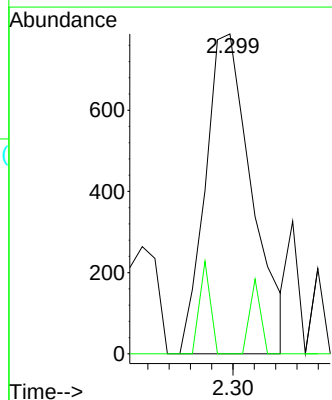
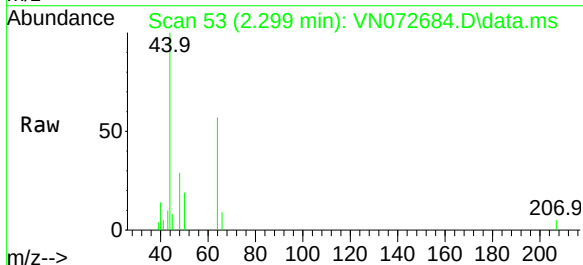
Instrument :
MSVOA_N
ClientSampleId :
14B-2

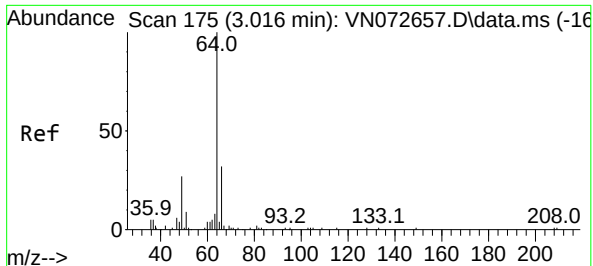
Tgt Ion:128 Resp: 35126
Ion Ratio Lower Upper
128 100
49 195.4 0.0 392.3
130 129.8 0.0 320.2



#3
Chloromethane
Concen: 0.418 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

Tgt Ion: 50 Resp: 1196
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

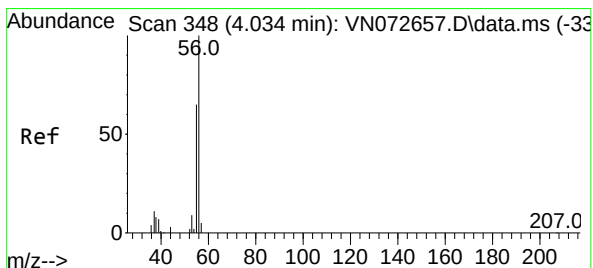
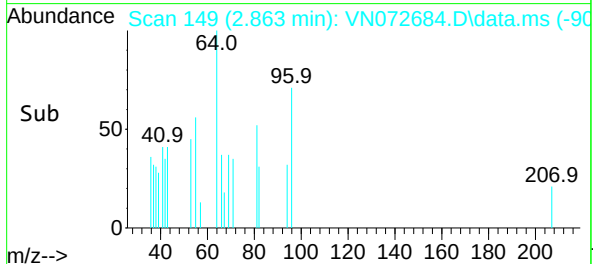
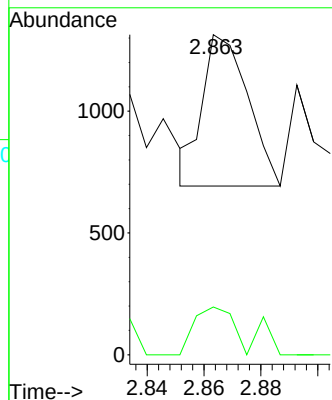
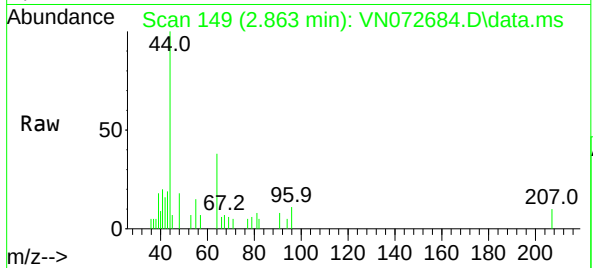




#6
Chloroethane
Concen: 0.398 ug/l
RT: 2.863 min Scan# 14
Delta R.T. -0.153 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

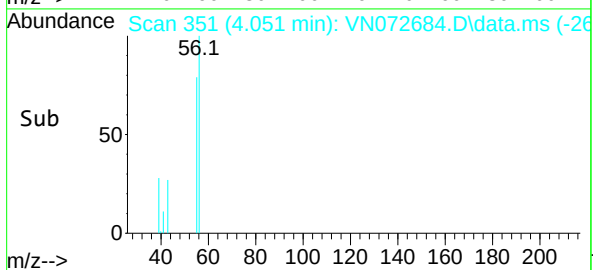
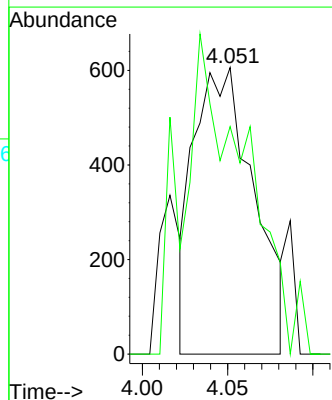
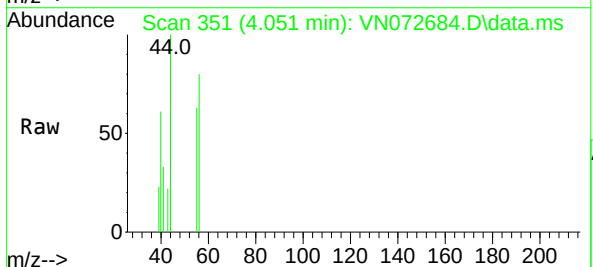
Instrument :
MSVOA_N
ClientSampleId :
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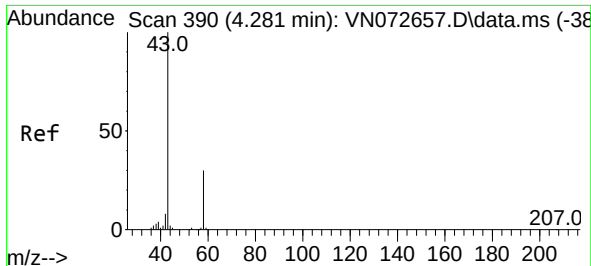
Tgt Ion: 64 Resp: 685
Ion Ratio Lower Upper
64 100
66 31.6 24.6 36.8



#13
Acrolein
Concen: 3.533 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.018 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

Tgt Ion: 56 Resp: 1481
Ion Ratio Lower Upper
56 100
55 30.0 57.6 86.4#

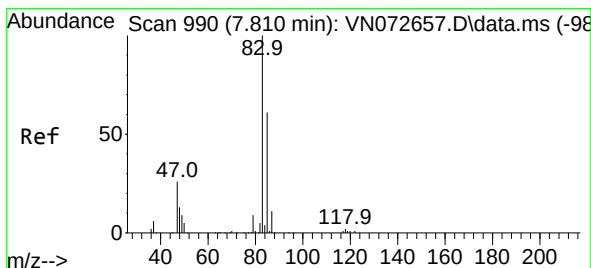
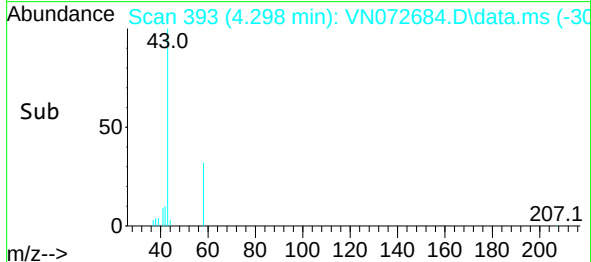
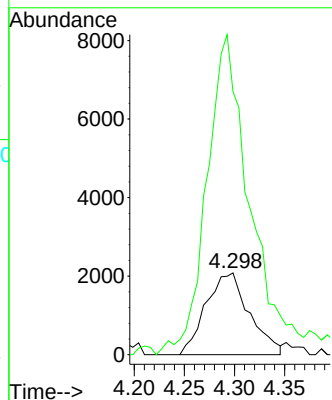
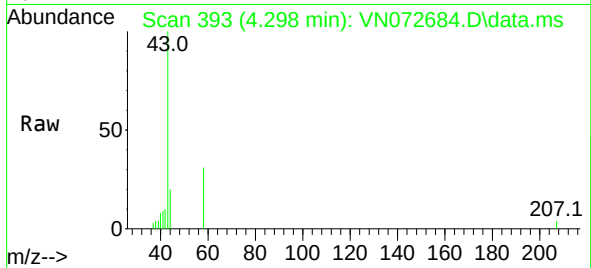




#15
Acetone
Concen: 11.889 ug/l
RT: 4.298 min Scan# 390
Delta R.T. 0.018 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

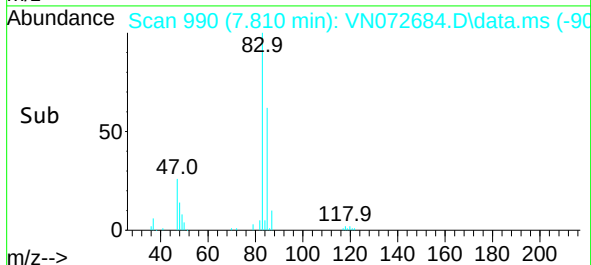
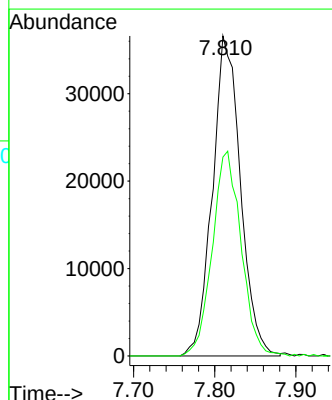
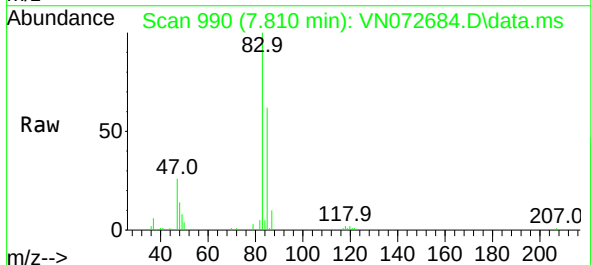
Instrument :
MSVOA_N
ClientSampleId :
14B-2

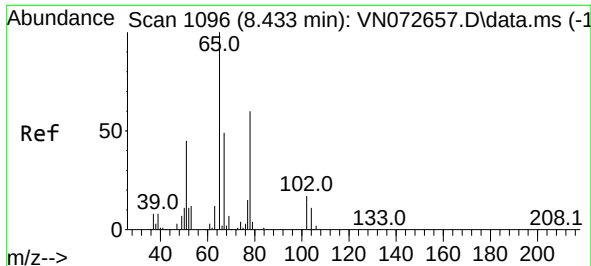
Tgt Ion: 58 Resp: 6283
Ion Ratio Lower Upper
58 100
43 303.1 256.6 384.8



#25
Chloroform
Concen: 15.507 ug/l
RT: 7.810 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

Tgt Ion: 83 Resp: 87871
Ion Ratio Lower Upper
83 100
85 62.1 51.3 76.9

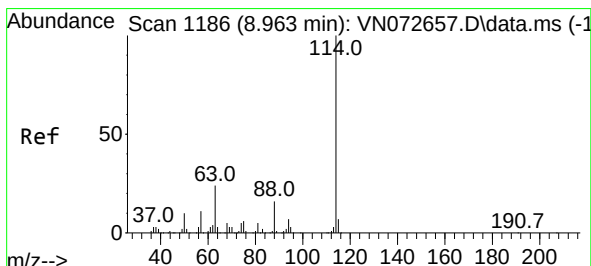
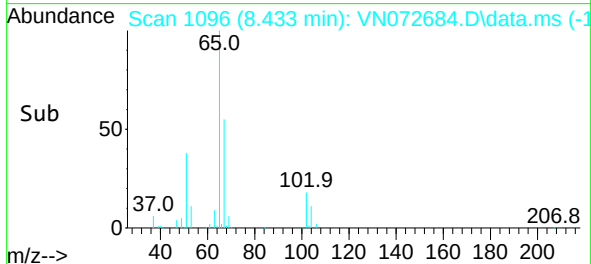
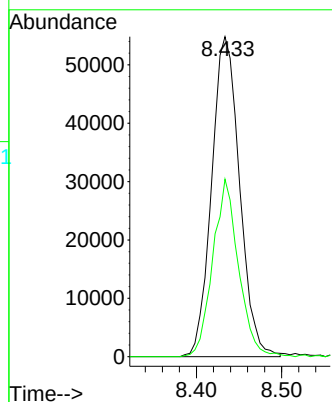
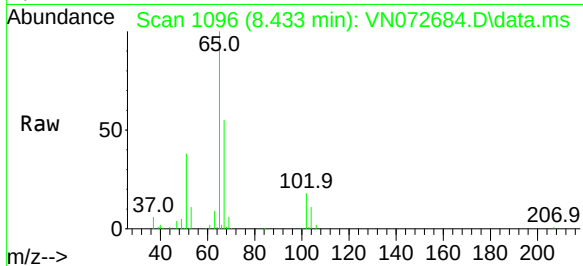




#27
1,2-Dichloroethane-d4
Concen: 31.192 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

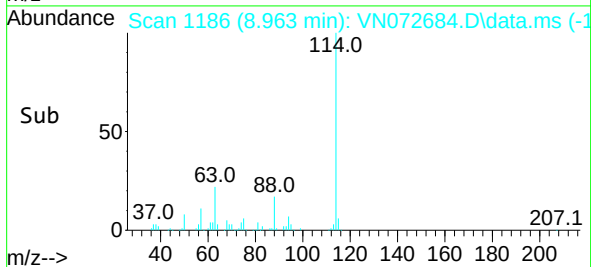
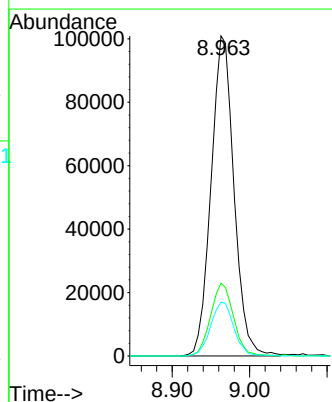
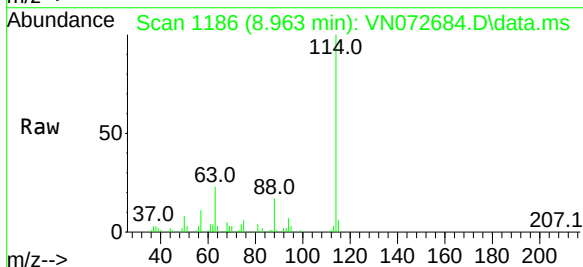
Instrument :
MSVOA_N
ClientSampleId :
14B-2

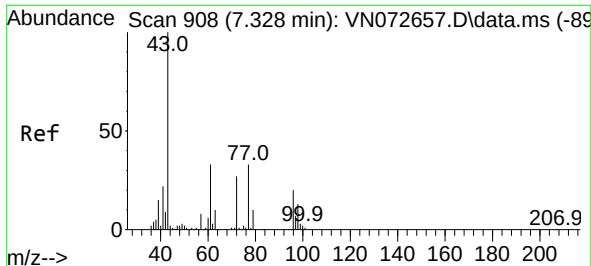
Tgt Ion: 65 Resp: 124955
Ion Ratio Lower Upper
65 100
67 51.0 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

Tgt Ion: 114 Resp: 207554
Ion Ratio Lower Upper
114 100
63 22.7 15.8 23.6
88 17.1 11.6 17.4

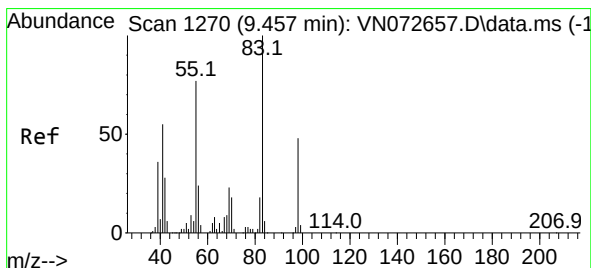
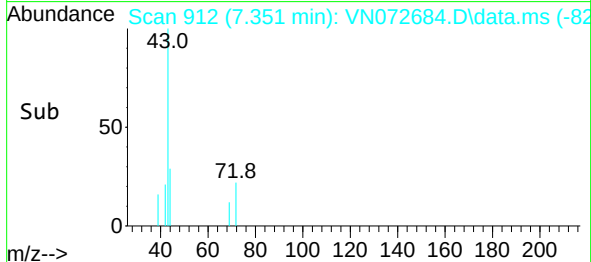
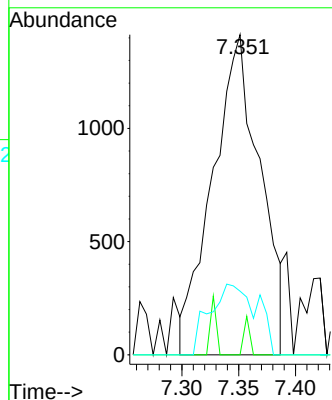
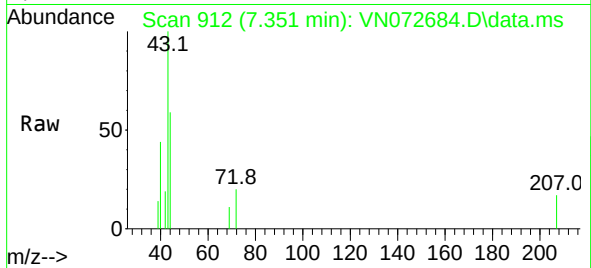




#30
2-Butanone
Concen: 1.439 ug/l
RT: 7.351 min Scan# 91
Delta R.T. 0.024 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

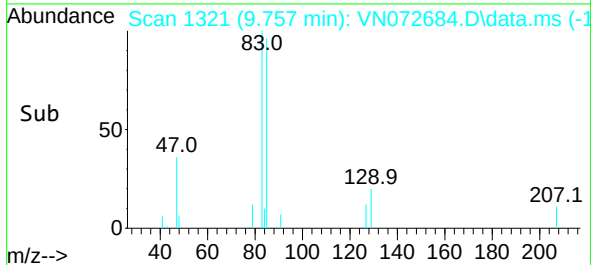
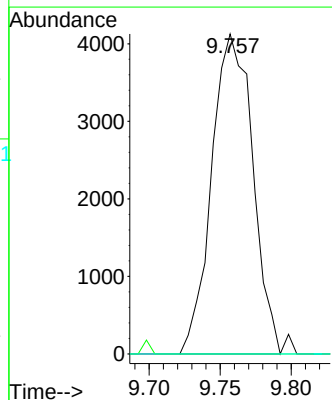
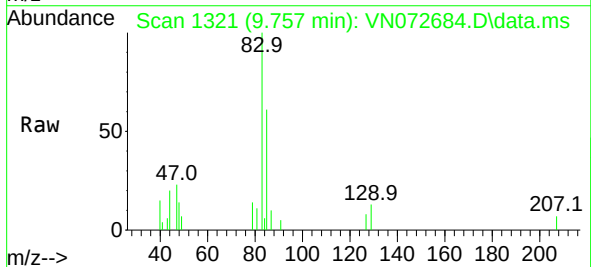
Instrument :
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ClientSampleId :
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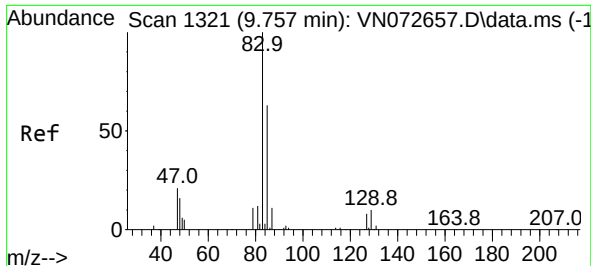
Tgt Ion: 43 Resp: 4120
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 14.9 23.2 34.8#



#38
Methylcyclohexane
Concen: 1.754 ug/l
RT: 9.757 min Scan# 1321
Delta R.T. 0.300 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

Tgt Ion: 83 Resp: 8283
Ion Ratio Lower Upper
83 100
55 1.6 35.1 105.3#
98 0.0 23.4 70.2#

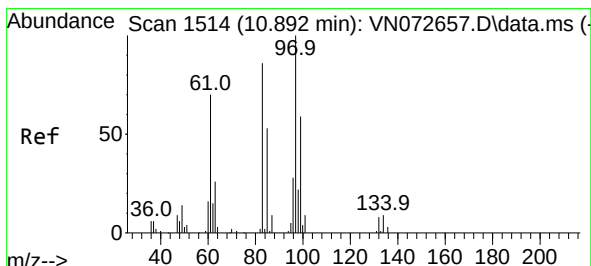
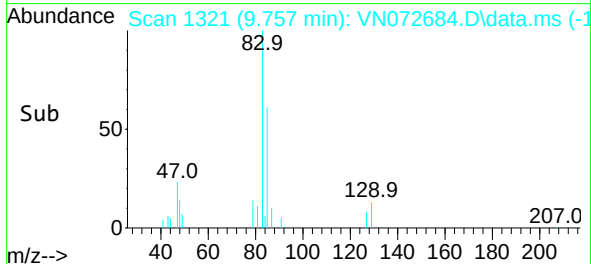
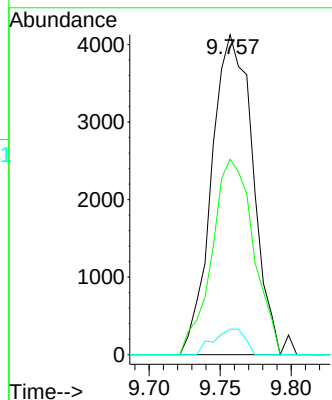
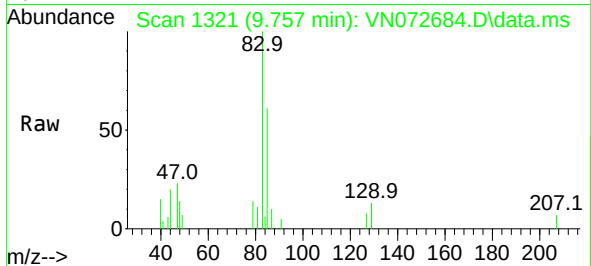




#41
Bromodichloromethane
Concen: 1.754 ug/l
RT: 9.757 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

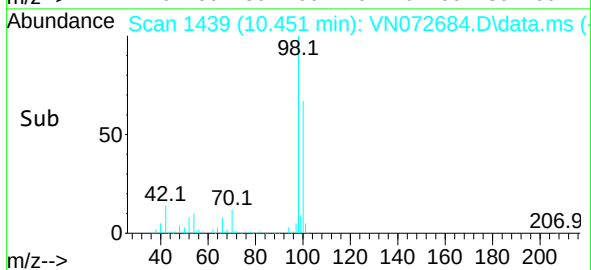
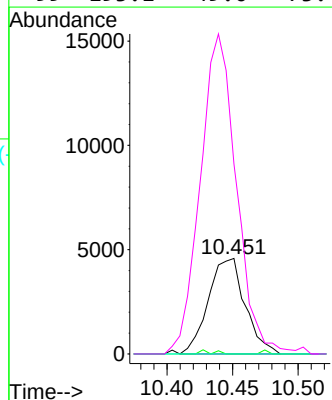
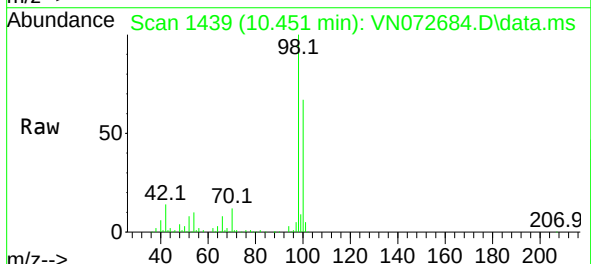
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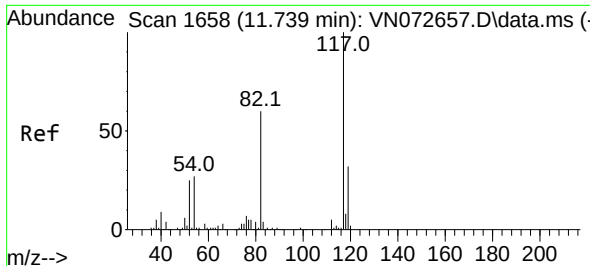
Tgt Ion: 83 Resp: 8283
Ion Ratio Lower Upper
83 100
85 61.0 54.1 81.1
127 7.9 7.6 11.4



#50
1,1,2-Trichloroethane
Concen: 2.865 ug/l
RT: 10.451 min Scan# 1439
Delta R.T. -0.441 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

Tgt Ion: 97 Resp: 8942
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 43.0 64.4#
99 193.1 49.0 73.4#

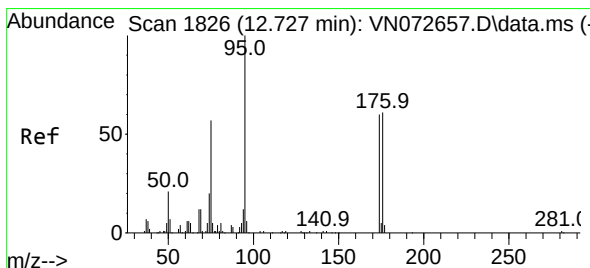
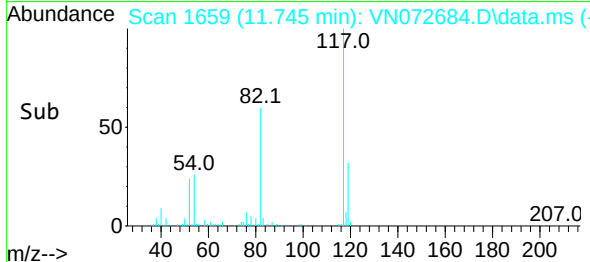
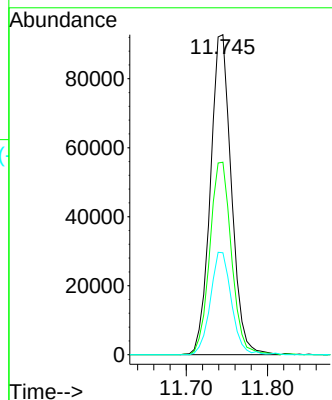
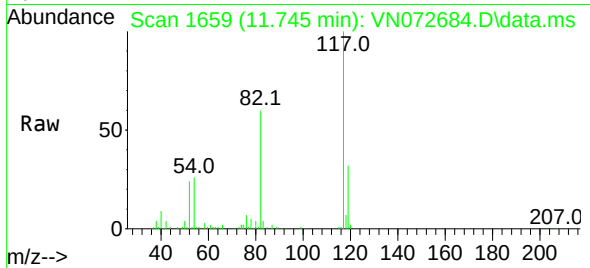




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

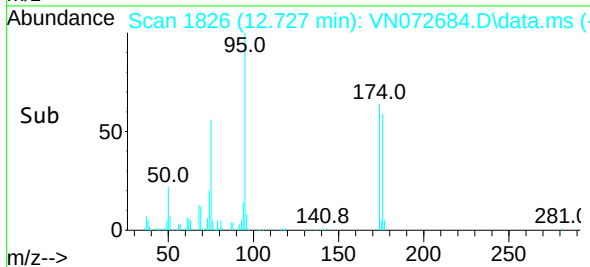
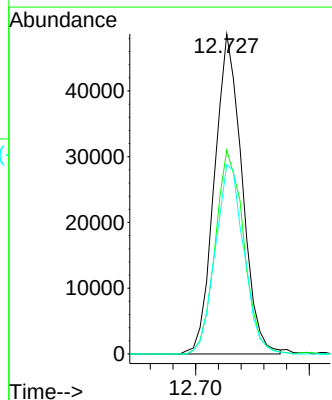
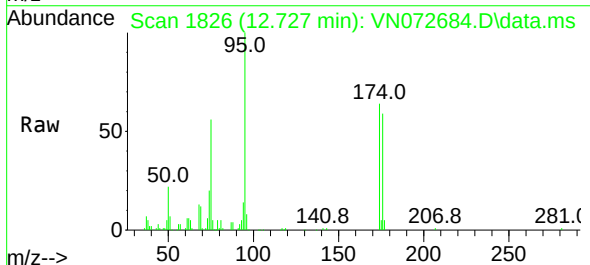
Instrument :
MSVOA_N
ClientSampleId :
14B-2

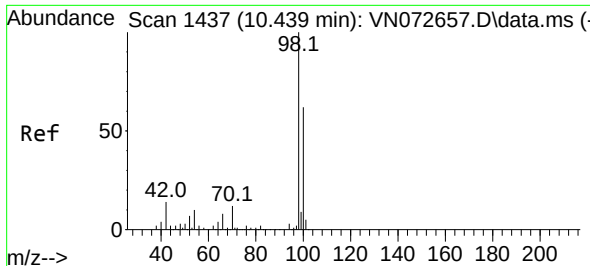
Tgt Ion:117 Resp: 166608
Ion Ratio Lower Upper
117 100
82 62.1 43.6 65.4
119 32.0 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 23.961 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

Tgt Ion: 95 Resp: 82107
Ion Ratio Lower Upper
95 100
174 65.6 62.9 94.3
176 61.5 61.0 91.4

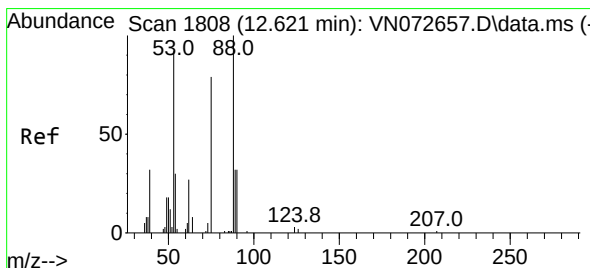
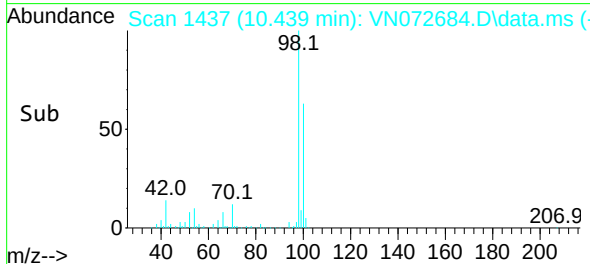
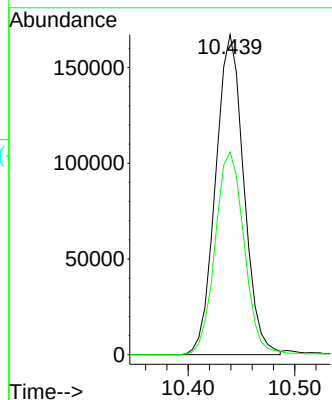
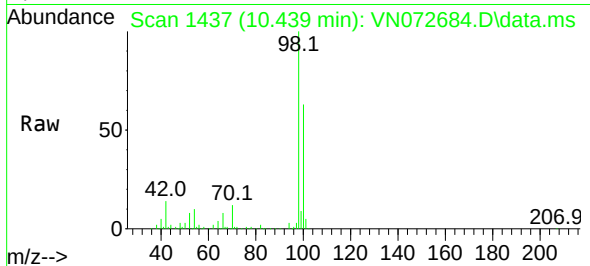




#63
Toluene-d8
Concen: 33.281 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

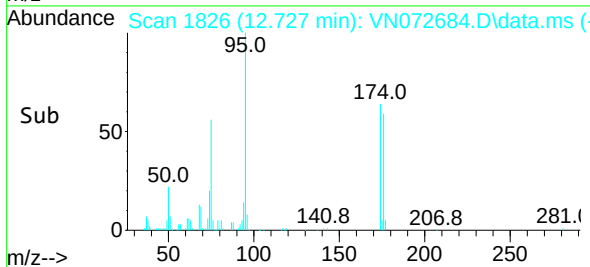
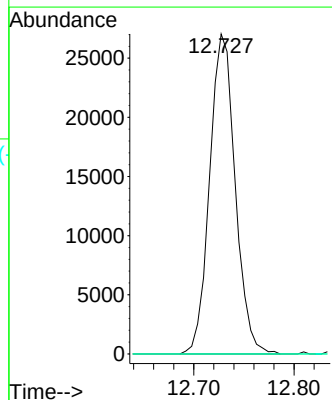
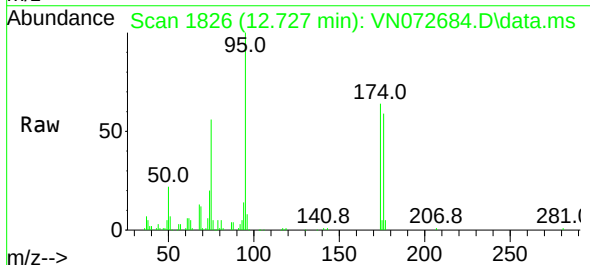
Instrument :
MSVOA_N
ClientSampleId :
14B-2

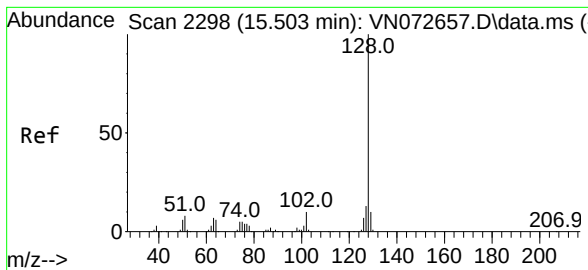
Tgt Ion: 98 Resp: 307157
Ion Ratio Lower Upper
98 100
100 65.3 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 30.519 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

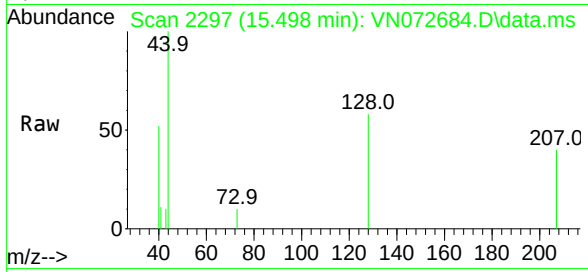
Tgt Ion: 75 Resp: 47920
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 0.206 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN072684.D
Acq: 07 Jun 2022 13:41

Instrument :
MSVOA_N
ClientSampleId :
14B-2



Tgt Ion:	128	Resp:	1838
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	9.0	13.6#

