

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072673.D
 Acq On : 06 Jun 2022 19:30
 Operator : JC\MD
 Sample : N3123-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Jun 07 06:30:17 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)

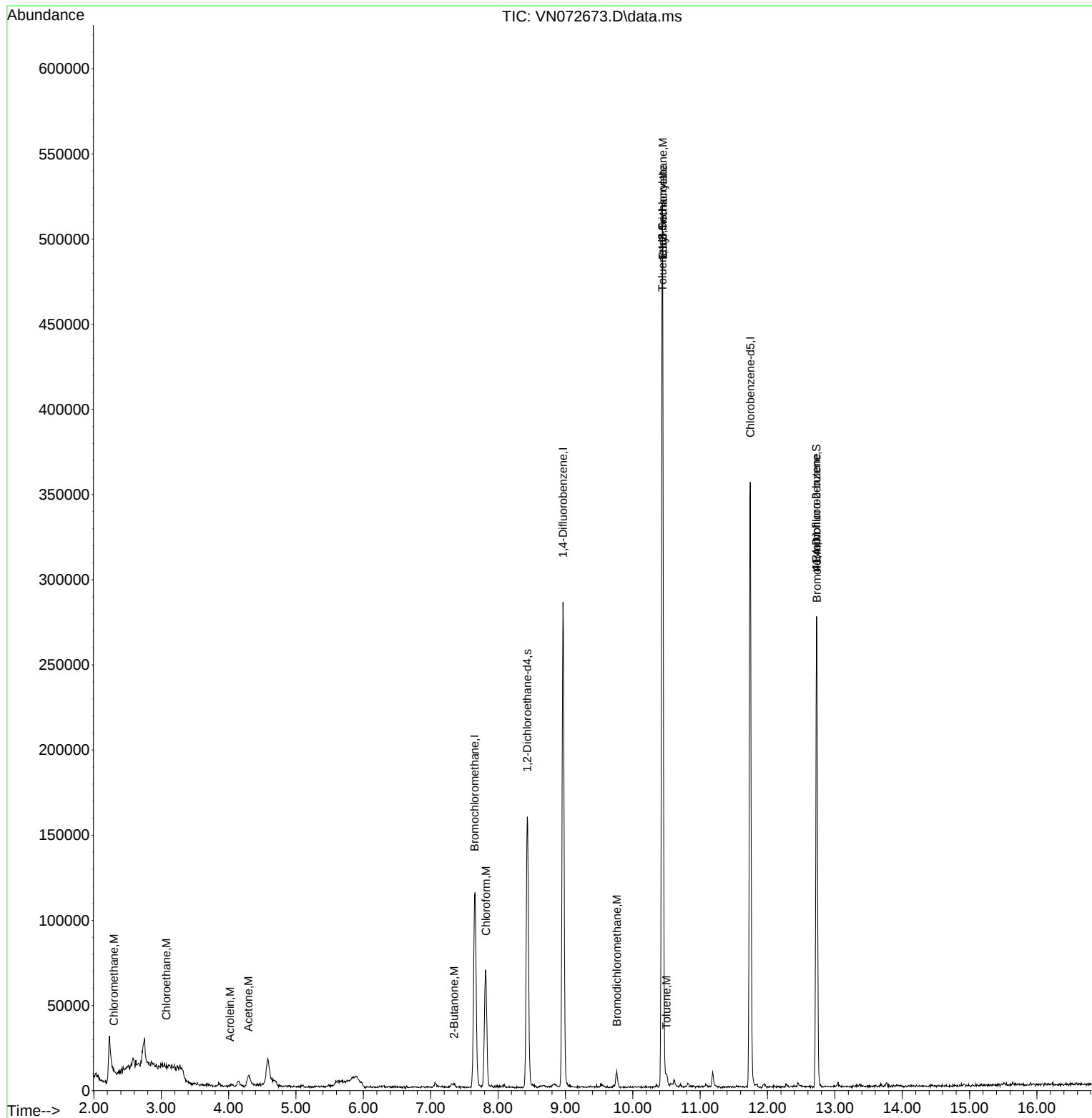
Internal Standards						
1) Bromochloromethane	7.651	128	38633	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	234389	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	190606	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	134350	30.493	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.633%
60) 4-Bromofluorobenzene	12.727	95	99063	25.269	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.233%
63) Toluene-d8	10.439	98	344873	32.662	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	108.867%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1167	0.371	ug/l #	78
6) Chloroethane	3.075	64	602	0.318	ug/l	93
13) Acrolein	4.022	56	210	0.456	ug/l #	32
15) Acetone	4.292	58	2815	4.843	ug/l #	52
25) Chloroform	7.822	83	62455	10.021	ug/l	96
30) 2-Butanone	7.345	43	2139	0.662	ug/l #	53
41) Bromodichloromethane	9.763	83	5958	1.117	ug/l #	99
50) 1,1,2-Trichloroethane	10.445	97	10023	2.844	ug/l #	1
51) Ethyl methacrylate	10.445	69	1321	0.207	ug/l	76
56) Bromoform	12.733	173	638	0.235	ug/l #	1
62) Toluene	10.498	91	3390	0.262	ug/l #	81
77) t-1,4-Dichloro-2-butene	12.727	75	55266	30.766	ug/l #	8

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

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ALS Vial : 19 Sample Multiplier: 1

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14B-4

Quant Time: Jun 07 06:30:17 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

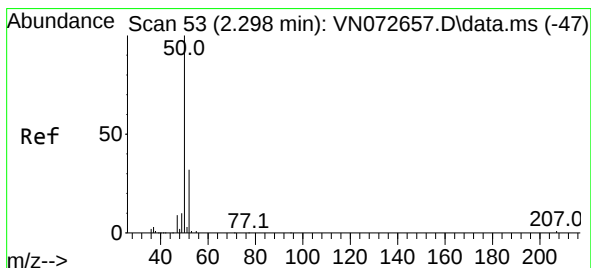
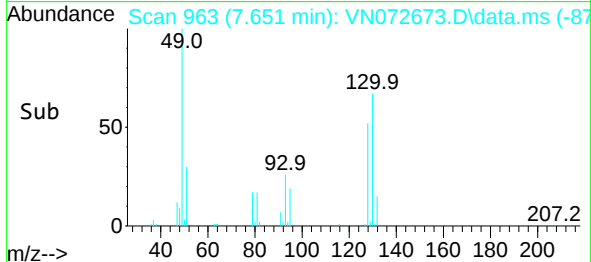
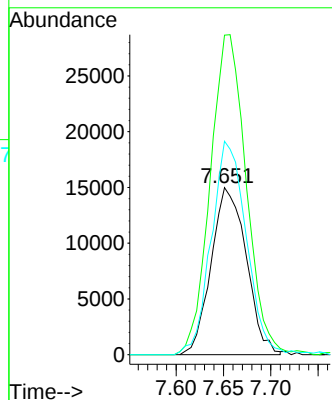
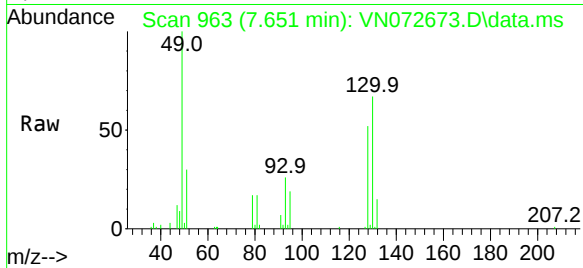




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 963
Delta R.T. 0.000 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

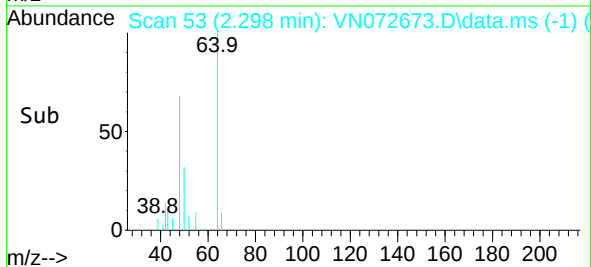
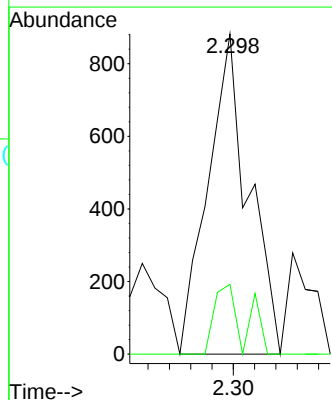
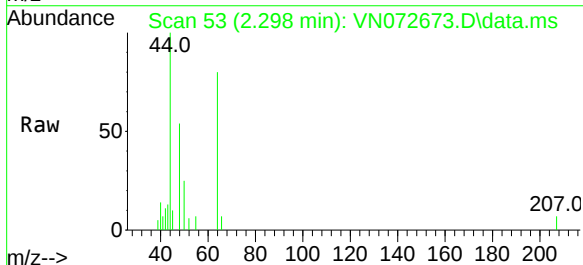
Instrument :
MSVOA_N
ClientSampleId :
14B-4

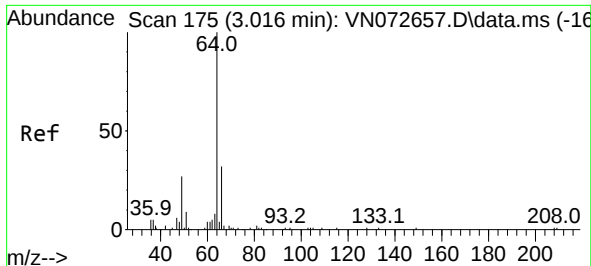
Tgt Ion:128 Resp: 38633
Ion Ratio Lower Upper
128 100
49 195.5 0.0 392.3
130 126.8 0.0 320.2



#3
Chloromethane
Concen: 0.371 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

Tgt Ion: 50 Resp: 1167
Ion Ratio Lower Upper
50 100
52 21.8 27.8 41.6#

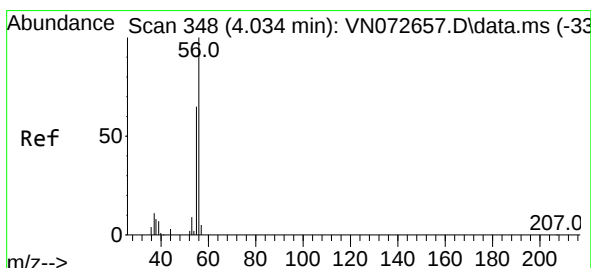
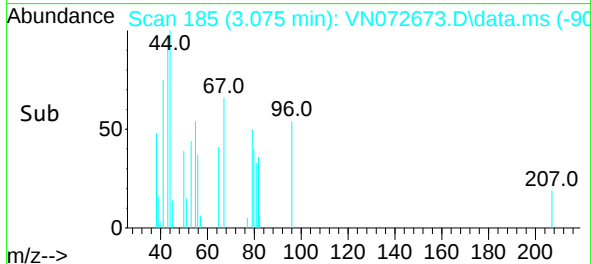
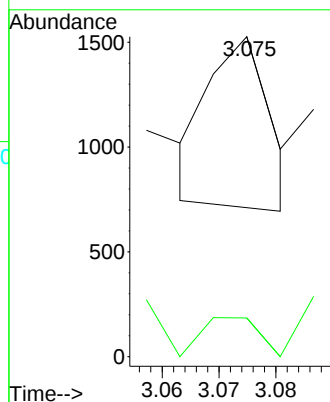
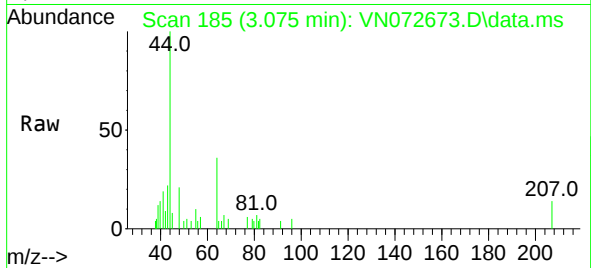




#6
Chloroethane
Concen: 0.318 ug/l
RT: 3.075 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

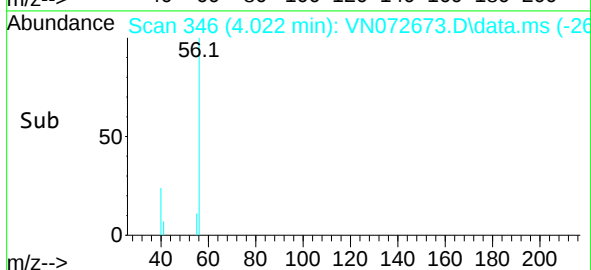
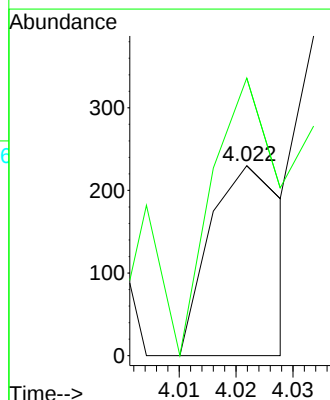
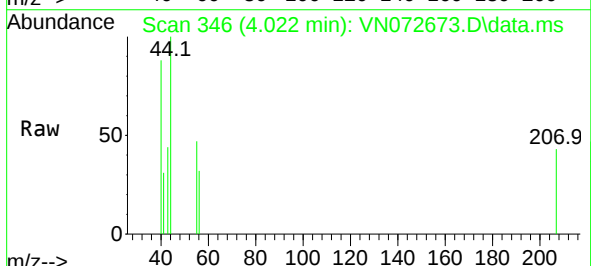
Instrument :
MSVOA_N
ClientSampleId :
14B-4

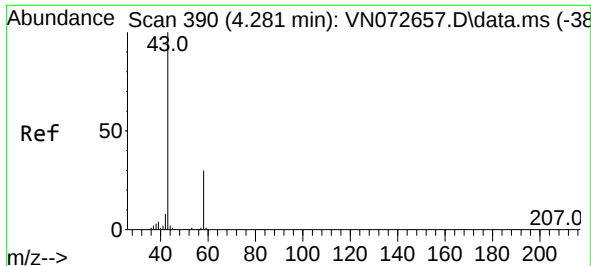
Tgt Ion: 64 Resp: 602
Ion Ratio Lower Upper
64 100
66 34.5 24.6 36.8



#13
Acrolein
Concen: 0.456 ug/l
RT: 4.022 min Scan# 346
Delta R.T. -0.012 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

Tgt Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 128.6 57.6 86.4#

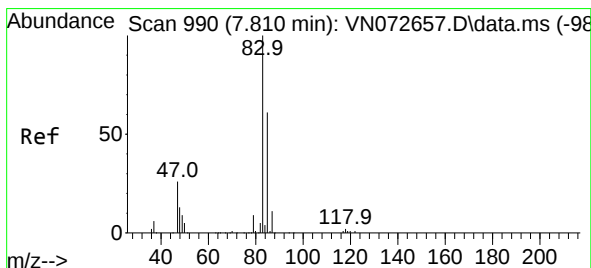
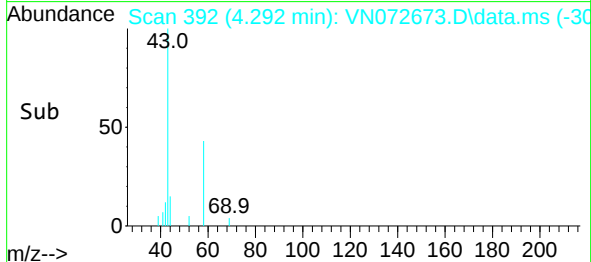
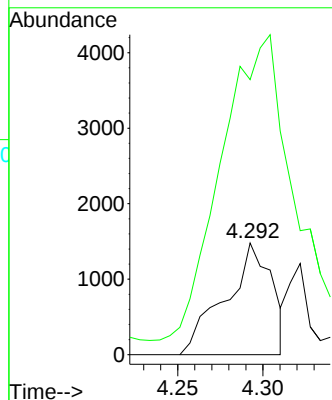
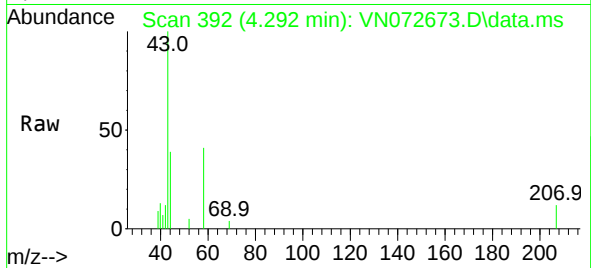




#15
Acetone
Concen: 4.843 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

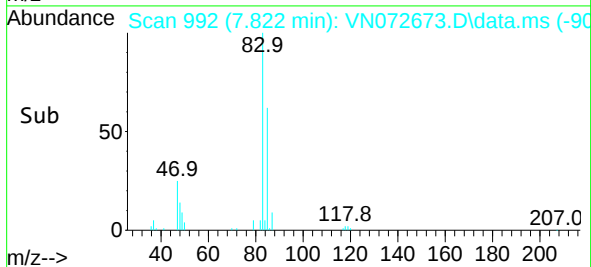
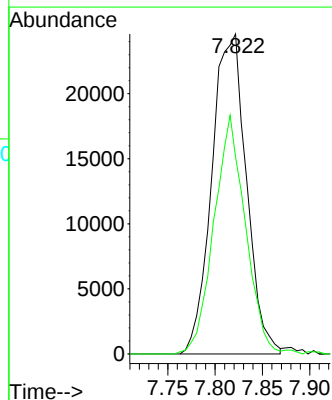
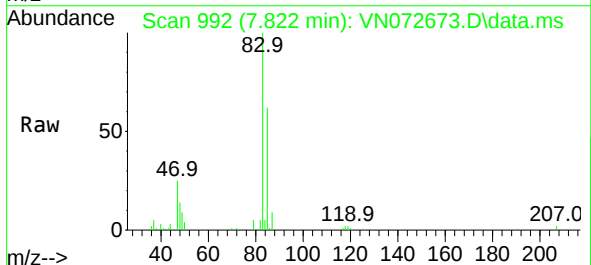
Instrument :
MSVOA_N
ClientSampleId :
14B-4

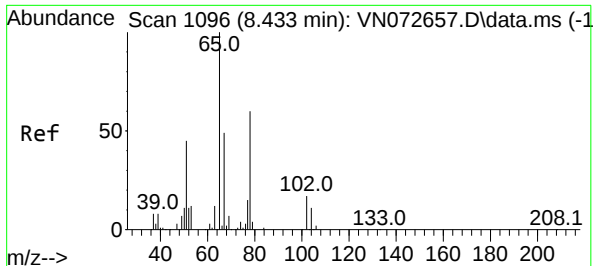
Tgt Ion: 58 Resp: 2815
Ion Ratio Lower Upper
58 100
43 221.6 256.6 384.8#



#25
Chloroform
Concen: 10.021 ug/l
RT: 7.822 min Scan# 992
Delta R.T. 0.012 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

Tgt Ion: 83 Resp: 62455
Ion Ratio Lower Upper
83 100
85 60.9 51.3 76.9

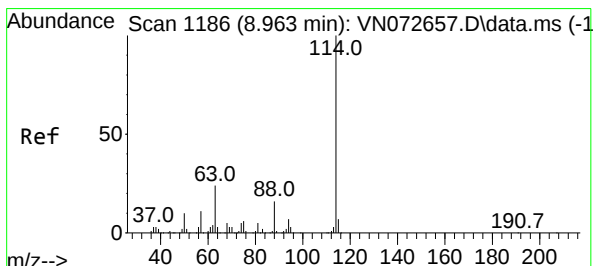
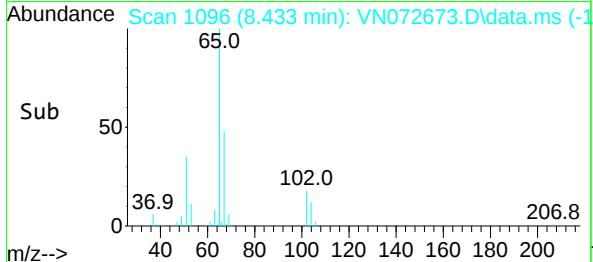
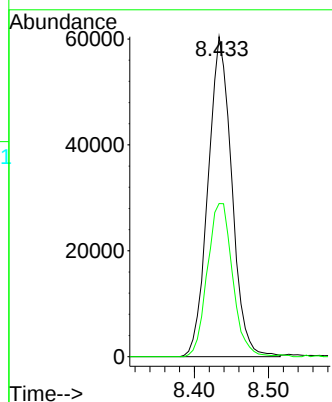
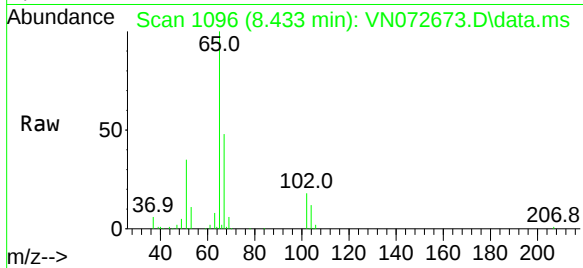




#27
 1,2-Dichloroethane-d4
 Concen: 30.493 ug/l
 RT: 8.433 min Scan# 1096
 Delta R.T. 0.000 min
 Lab File: VN072673.D
 Acq: 06 Jun 2022 19:30

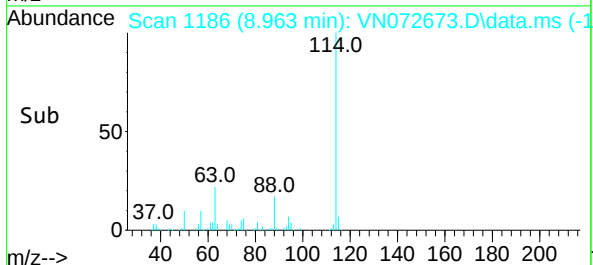
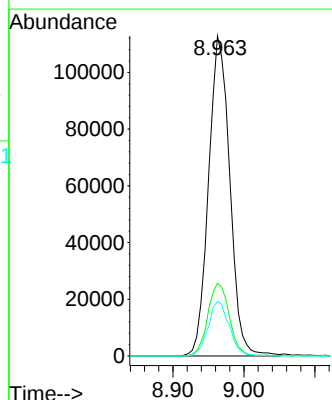
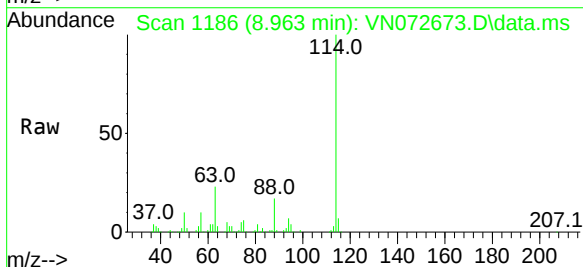
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

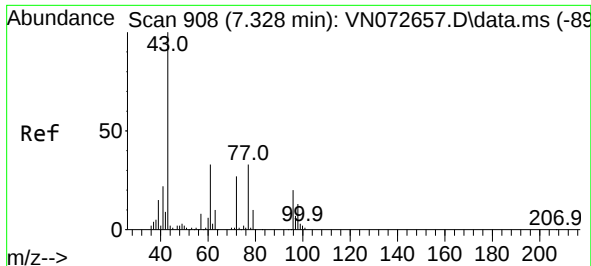
Tgt Ion: 65 Resp: 134350
 Ion Ratio Lower Upper
 65 100
 67 50.9 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. 0.000 min
 Lab File: VN072673.D
 Acq: 06 Jun 2022 19:30

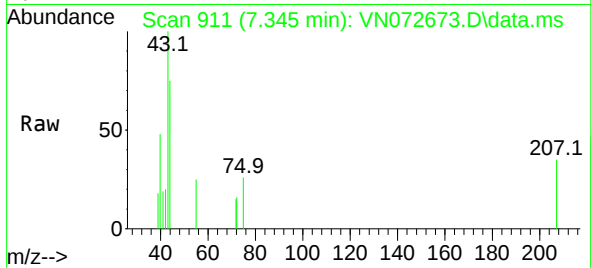
Tgt Ion: 114 Resp: 234389
 Ion Ratio Lower Upper
 114 100
 63 23.0 15.8 23.6
 88 17.0 11.6 17.4



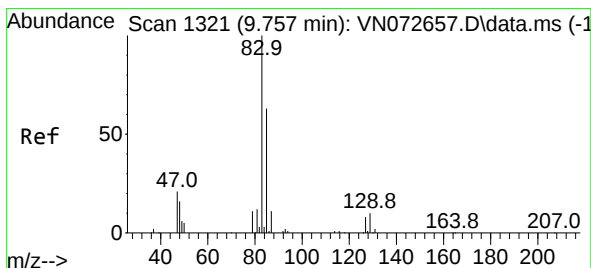
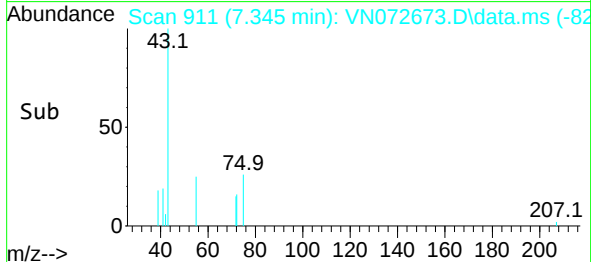
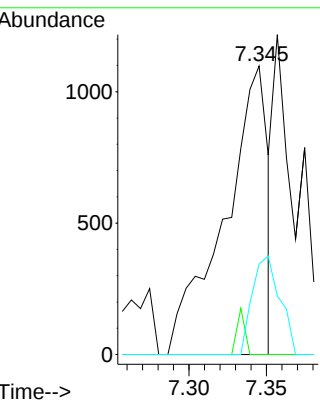


#30
2-Butanone
Concen: 0.662 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

Instrument :
MSVOA_N
ClientSampleId :
14B-4

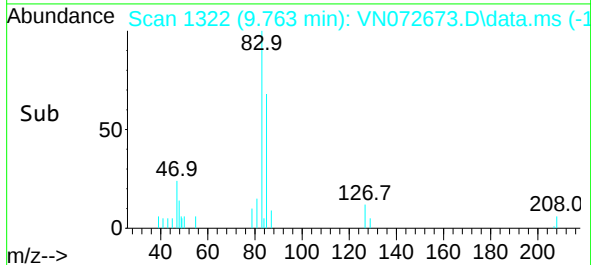
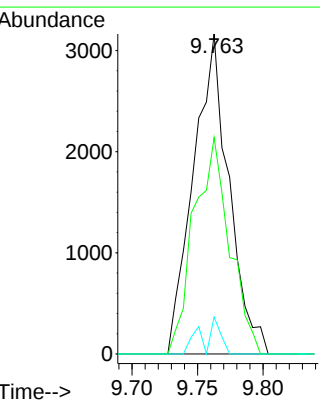
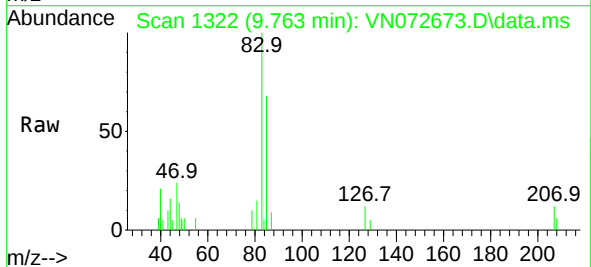


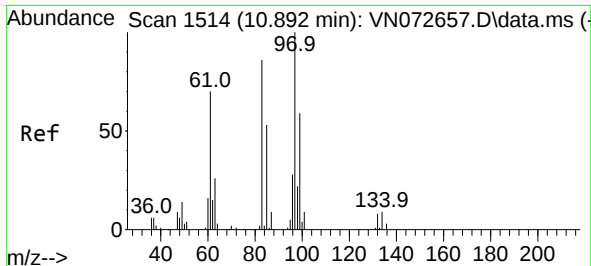
Tgt Ion: 43 Resp: 2139
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 23.2 34.8#



#41
Bromodichloromethane
Concen: 1.117 ug/l
RT: 9.763 min Scan# 1322
Delta R.T. 0.006 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

Tgt Ion: 83 Resp: 5958
Ion Ratio Lower Upper
83 100
85 67.6 54.1 81.1
127 11.6 7.6 11.4#

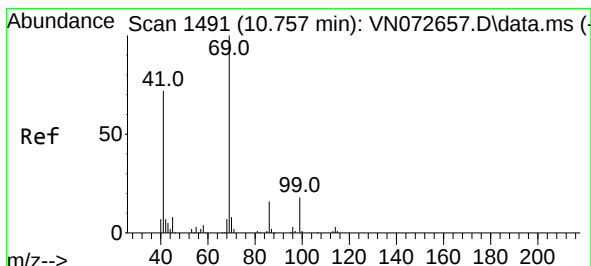
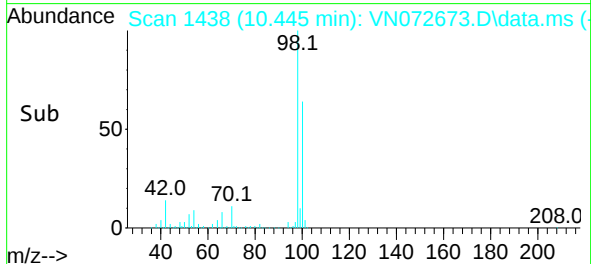
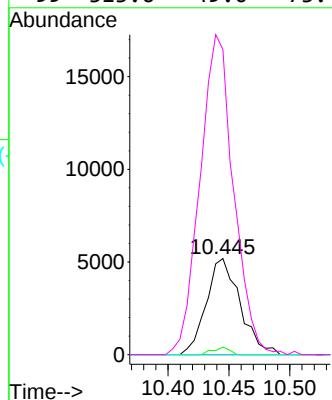
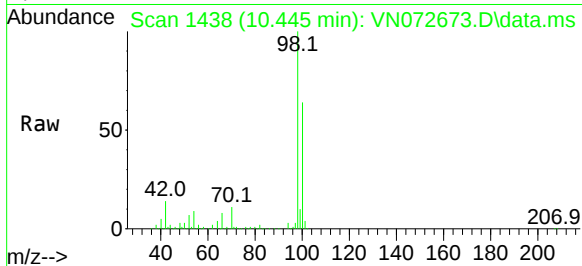




#50
1,1,2-Trichloroethane
Concen: 2.844 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.447 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

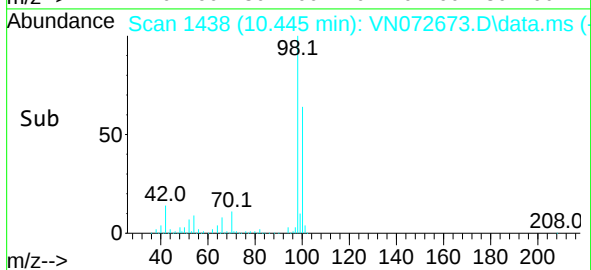
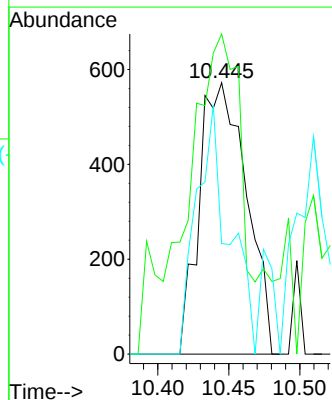
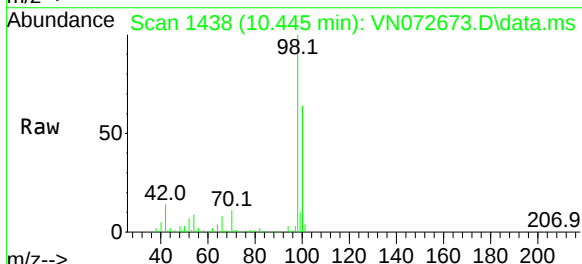
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ClientSampleId :
14B-4

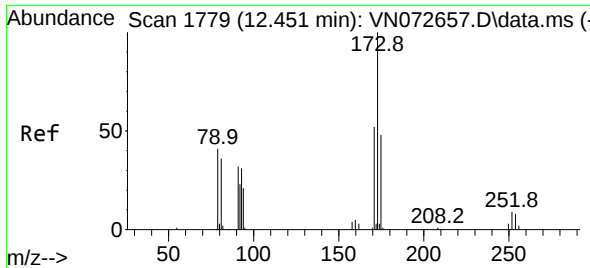
Tgt Ion: 97 Resp: 10023
Ion Ratio Lower Upper
97 100
83 7.9 67.2 100.8#
85 0.0 43.0 64.4#
99 313.6 49.0 73.4#



#51
Ethyl methacrylate
Concen: 0.207 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.312 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

Tgt Ion: 69 Resp: 1321
Ion Ratio Lower Upper
69 100
41 90.2 33.0 98.9
39 40.7 25.4 76.4

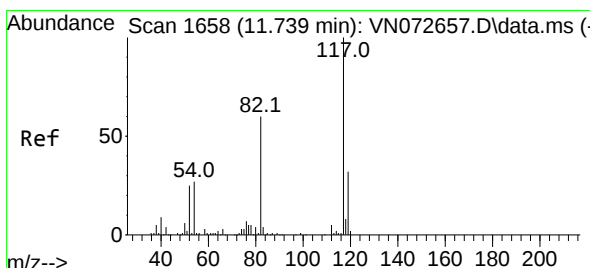
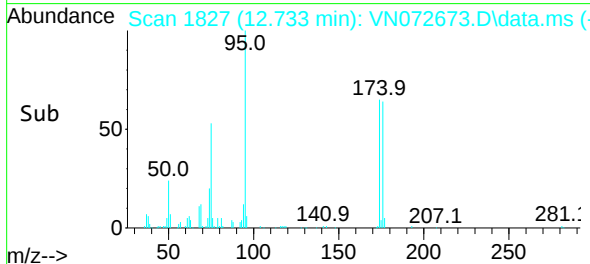
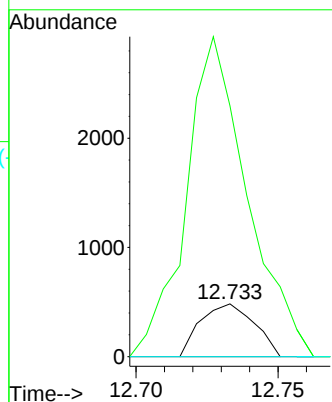
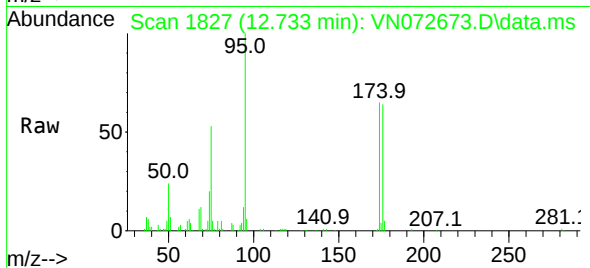




#56
Bromoform
Concen: 0.235 ug/l
RT: 12.733 min Scan# 1827
Delta R.T. 0.282 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

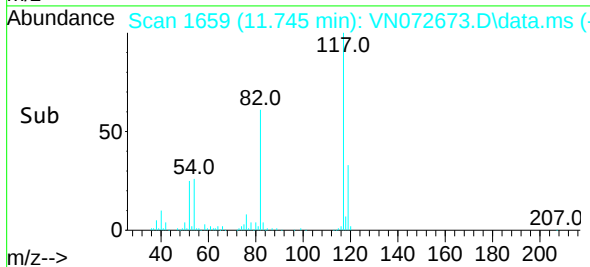
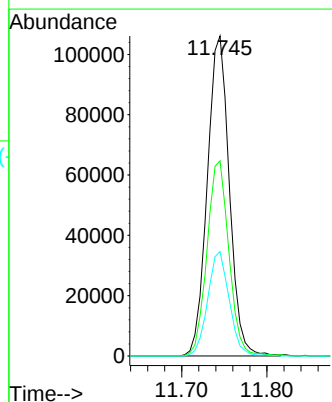
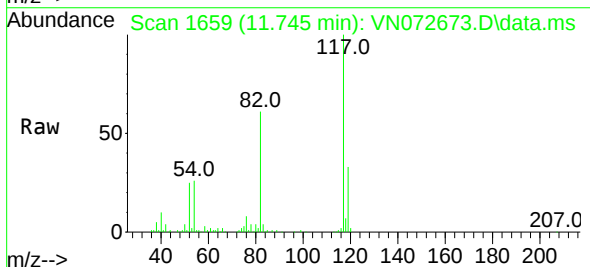
Instrument :
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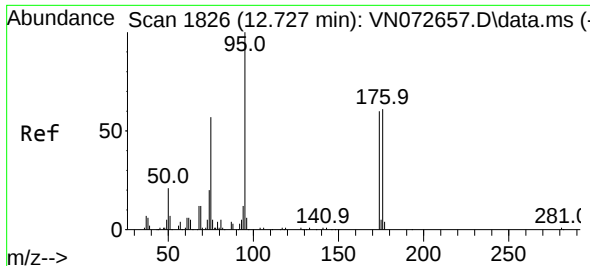
Tgt Ion:173 Resp: 638
Ion Ratio Lower Upper
173 100
175 690.0 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

Tgt Ion:117 Resp: 190606
Ion Ratio Lower Upper
117 100
82 60.6 43.6 65.4
119 31.7 25.8 38.6

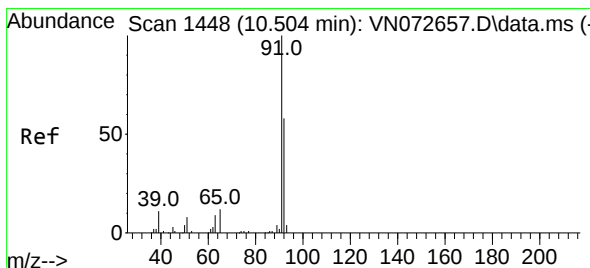
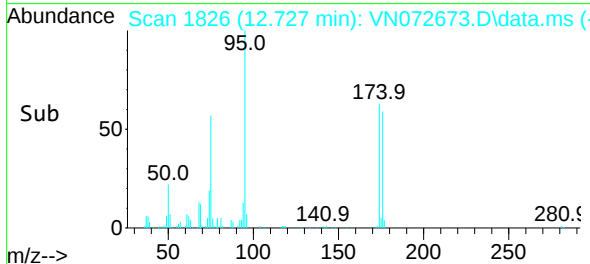
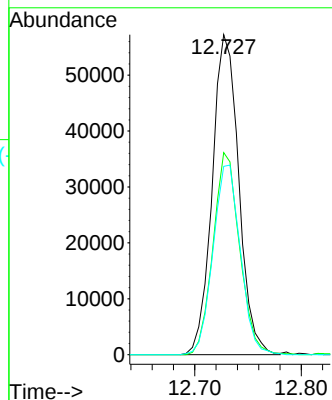
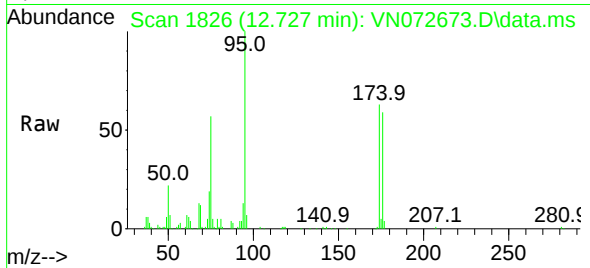




#60
4-Bromofluorobenzene
Concen: 25.269 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

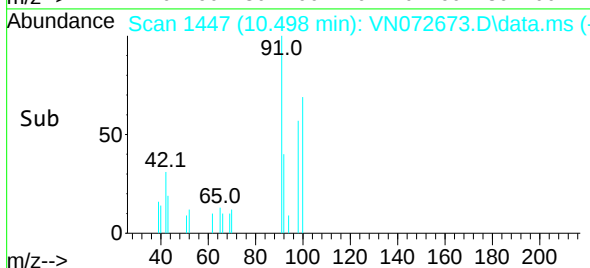
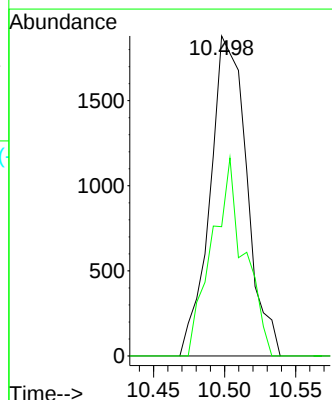
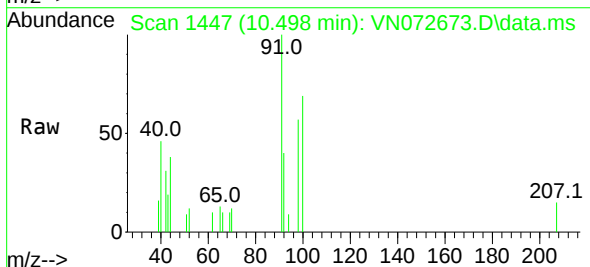
Instrument :
MSVOA_N
ClientSampleId :
14B-4

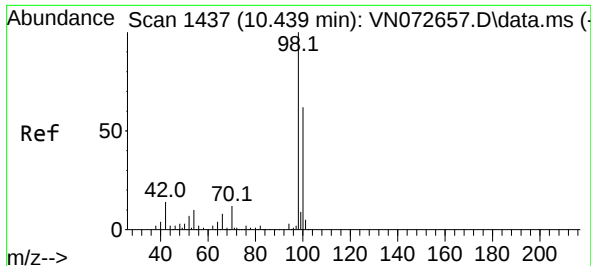
Tgt Ion: 95 Resp: 99063
Ion Ratio Lower Upper
95 100
174 63.2 62.9 94.3
176 61.0 61.0 91.4



#62
Toluene
Concen: 0.262 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

Tgt Ion: 91 Resp: 3390
Ion Ratio Lower Upper
91 100
92 41.8 44.6 67.0#

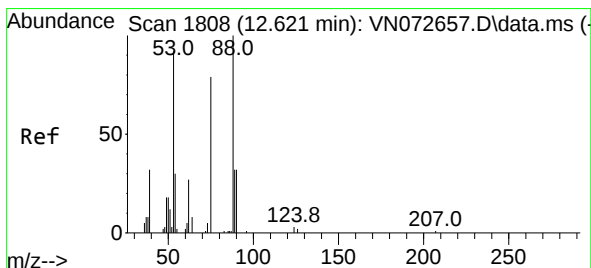
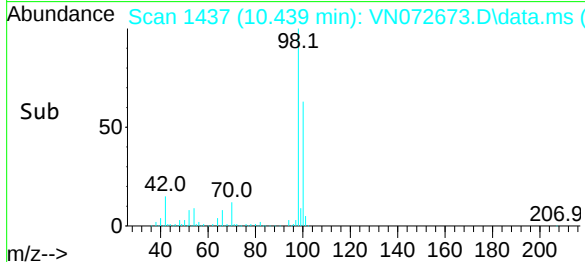
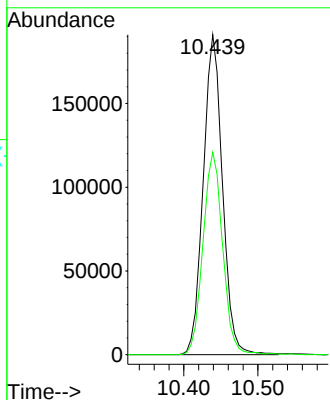
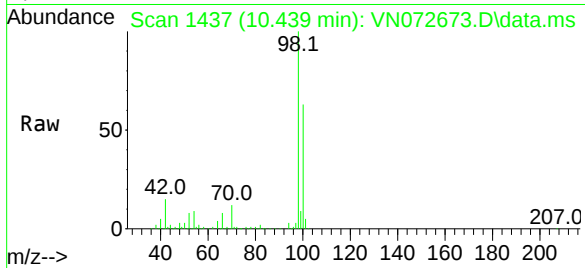




#63
Toluene-d8
Concen: 32.662 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 98 Resp: 344873
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 30.766 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072673.D
Acq: 06 Jun 2022 19:30

Tgt Ion: 75 Resp: 55266
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

