

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070822\
 Data File : VN073391.D
 Acq On : 08 Jul 2022 14:28
 Operator : JC\MD
 Sample : N3620-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20220706

Quant Time: Jul 09 05:24:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

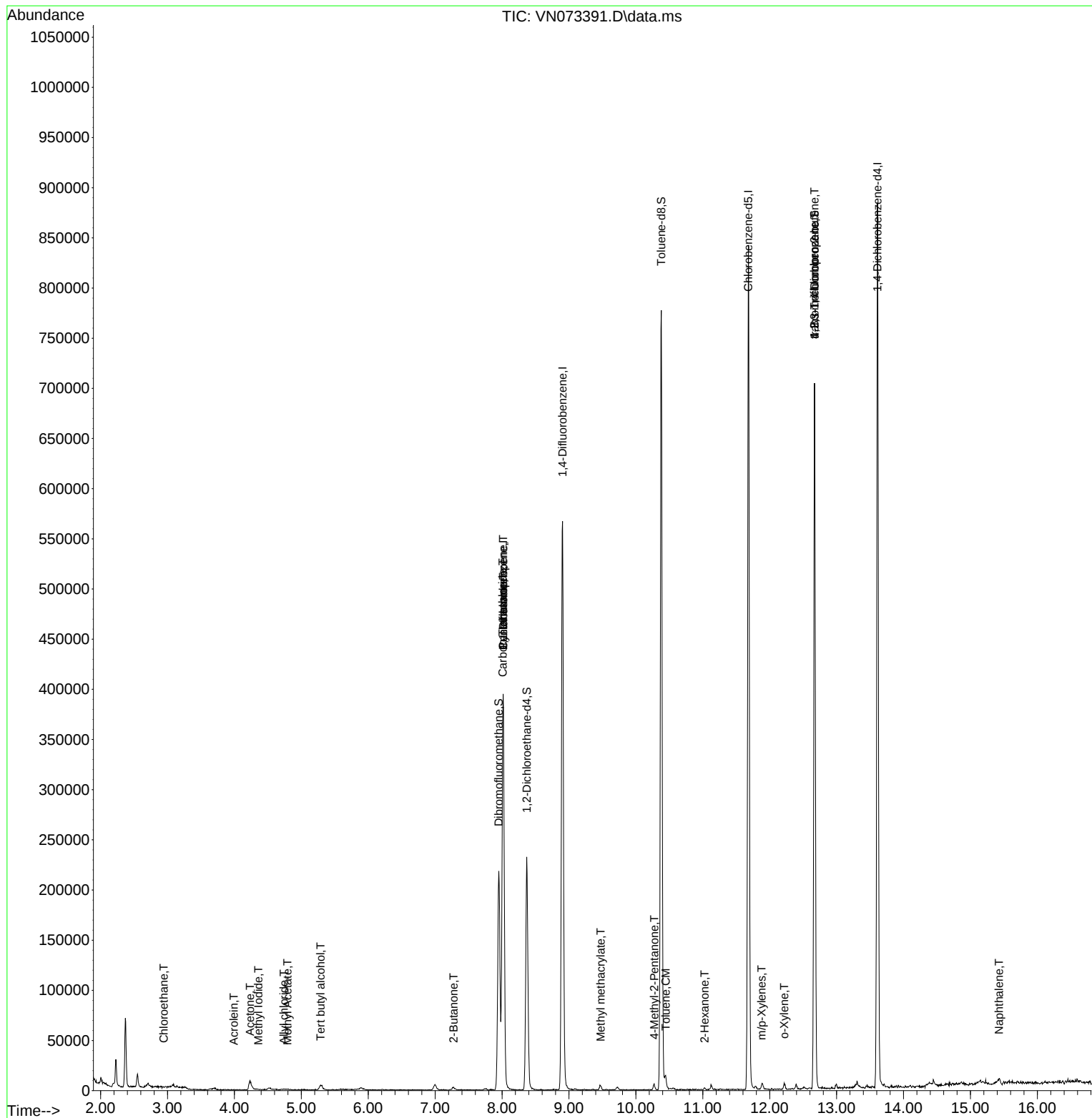
Internal Standards						
1) Pentafluorobenzene	8.016	168	300234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	507488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	477199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	234010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	191728	44.236	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.480%		
35) Dibromofluoromethane	7.951	113	161669	47.882	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.760%		
50) Toluene-d8	10.380	98	539375	44.979	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.960%		
62) 4-Bromofluorobenzene	12.668	95	241708	52.449	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.900%		
Target Compounds					Qvalue	
6) Chloroethane	2.946	64	574	0.269	ug/l #	42
10) Methyl Iodide	4.357	142	62	3.748	ug/l #	44
11) Tert butyl alcohol	5.287	59	5382	5.126	ug/l #	84
13) Acrolein	3.993	56	136	0.205	ug/l #	80
14) Allyl chloride	4.740	41	1628	0.219	ug/l #	30
16) Acetone	4.234	43	16709	6.868	ug/l	97
18) Methyl Acetate	4.793	43	1364	0.200	ug/l #	48
25) 2-Butanone	7.275	43	5357	1.383	ug/l #	77
31) Cyclohexane	8.016	56	7007	0.987	ug/l #	20
36) 1,1-Dichloropropene	8.016	75	24060	4.631	ug/l #	49
38) Carbon Tetrachloride	8.010	117	31977	5.952	ug/l #	16
48) Methyl methacrylate	9.475	41	1417	0.271	ug/l #	34
51) 4-Methyl-2-Pentanone	10.275	43	4381	0.612	ug/l #	86
52) Toluene	10.445	92	5416	0.547	ug/l	83
59) 2-Hexanone	11.027	43	1370	0.251	ug/l #	40
68) m/p-Xylenes	11.880	106	2157	0.292	ug/l	94
69) o-Xylene	12.216	106	1919	0.254	ug/l	86
76) 1,2,3-Trichloropropane	12.668	75	126437	20.663	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	126437	56.669	ug/l #	10
95) Naphthalene	15.427	128	3861	0.214	ug/l #	90

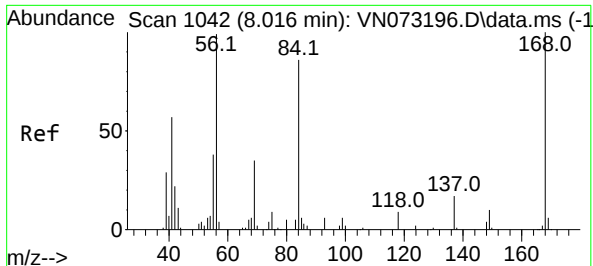
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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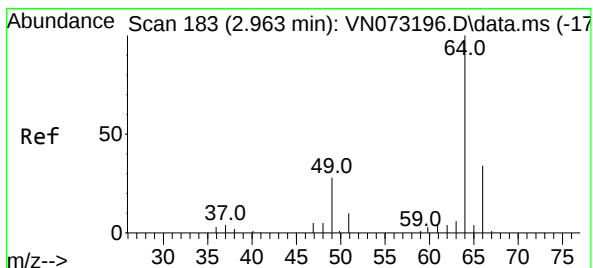
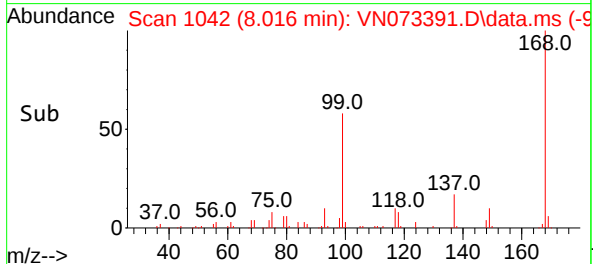
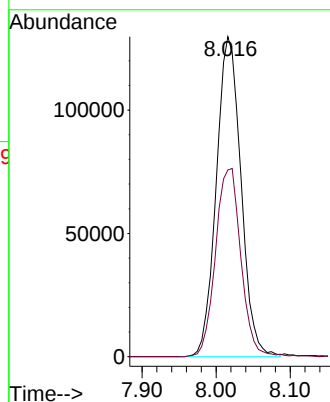
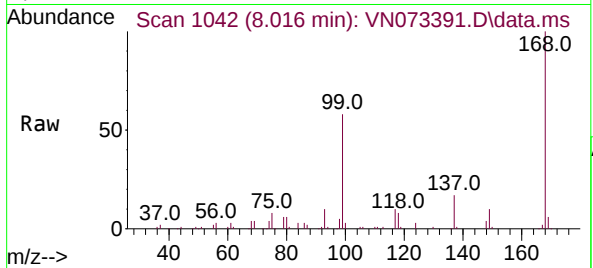




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

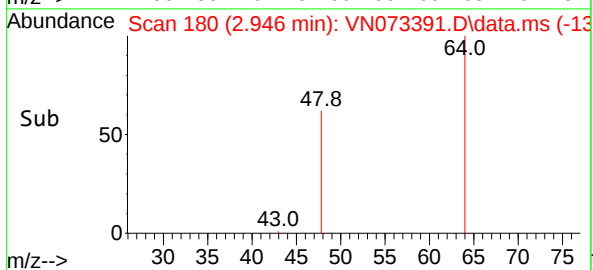
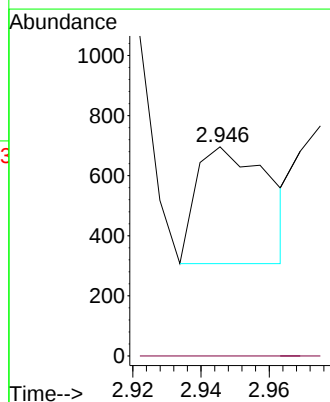
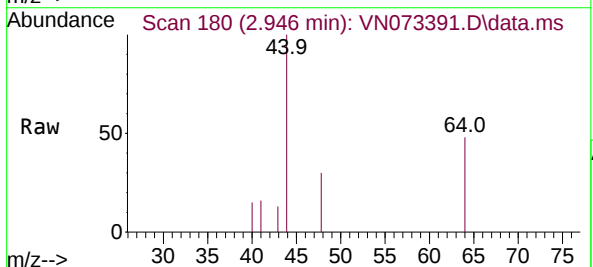
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20220706

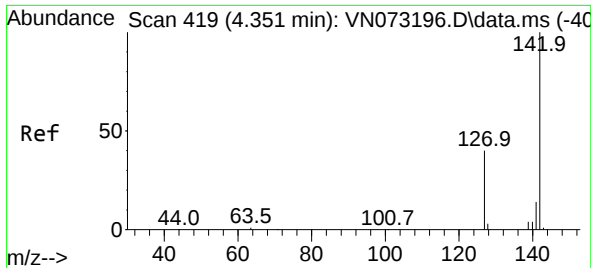
Tgt Ion:168 Resp: 300234
Ion Ratio Lower Upper
168 100
99 58.4 42.3 63.5



#6
Chloroethane
Concen: 0.269 ug/l
RT: 2.946 min Scan# 180
Delta R.T. -0.017 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion: 64 Resp: 574
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

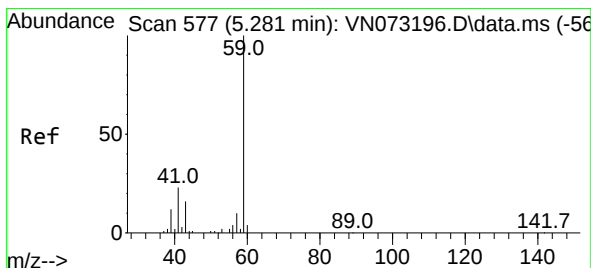
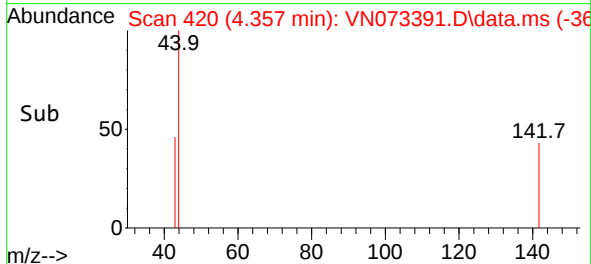
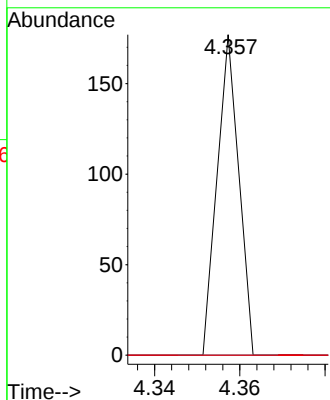
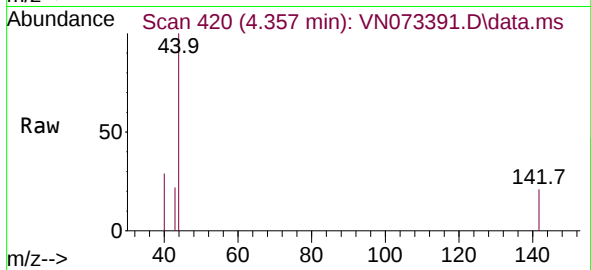




#10
Methyl Iodide
Concen: 3.748 ug/l
RT: 4.357 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

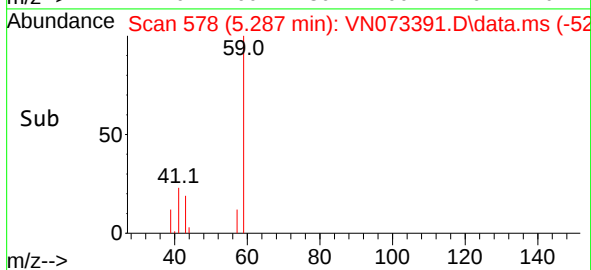
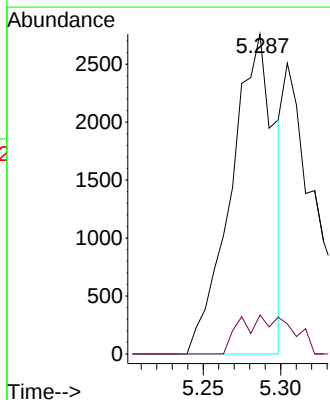
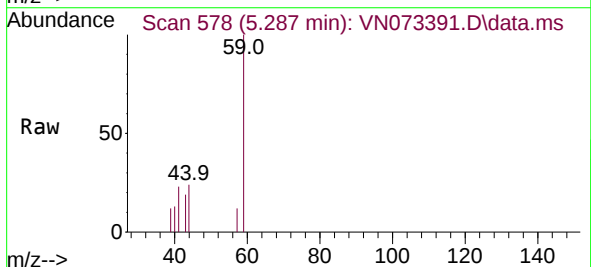
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20220706

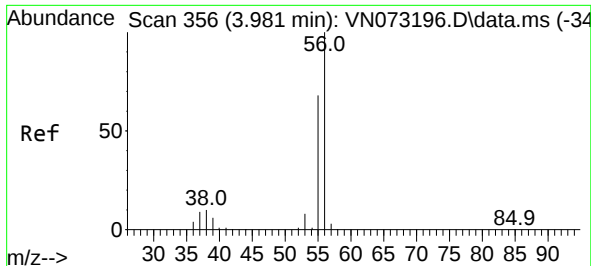
Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 5.126 ug/l
RT: 5.287 min Scan# 578
Delta R.T. 0.006 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion: 59 Resp: 5382
Ion Ratio Lower Upper
59 100
57 4.6 8.3 12.5#

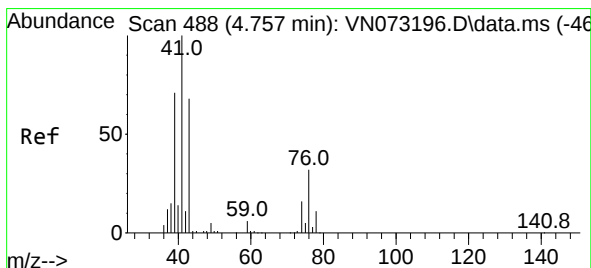
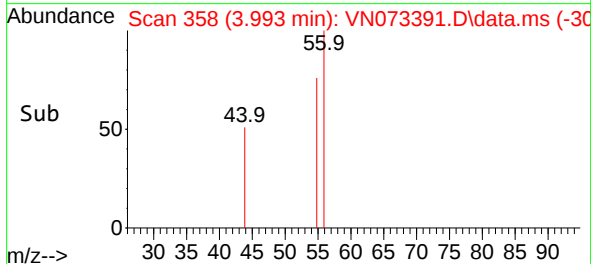
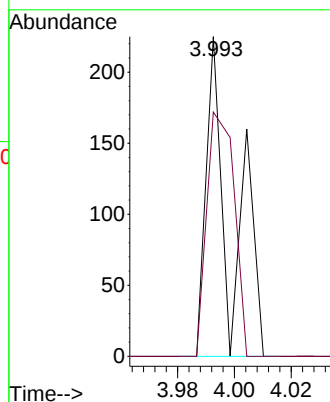
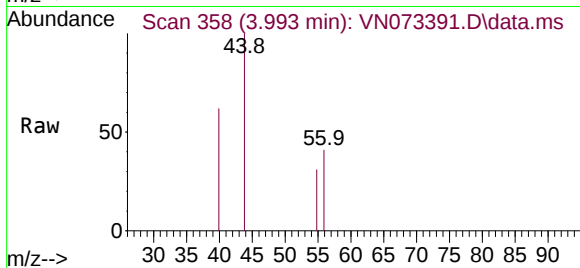




#13
Acrolein
Concen: 0.205 ug/l
RT: 3.993 min Scan# 356
Delta R.T. 0.012 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

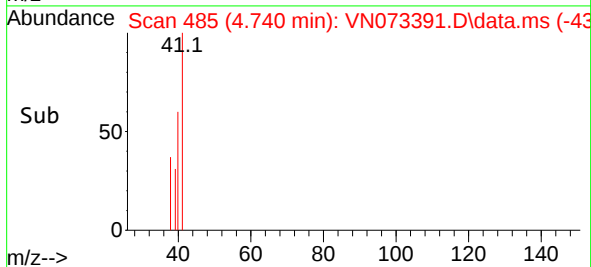
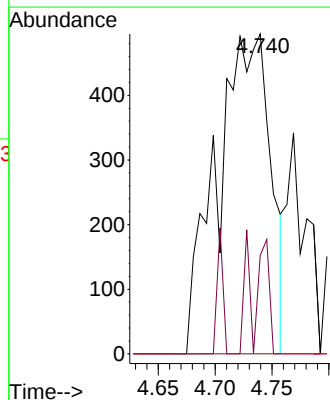
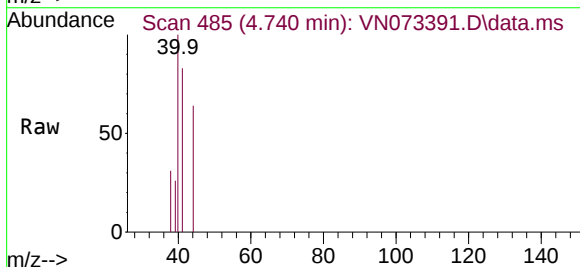
Instrument :
MSVOA_N
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BP-TB-20220706

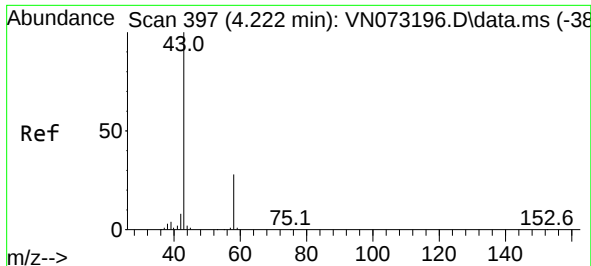
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 84.6 54.8 82.2#



#14
Allyl chloride
Concen: 0.219 ug/l
RT: 4.740 min Scan# 485
Delta R.T. -0.017 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion: 41 Resp: 1628
Ion Ratio Lower Upper
41 100
39 7.1 53.2 79.8#
76 0.0 29.9 44.9#

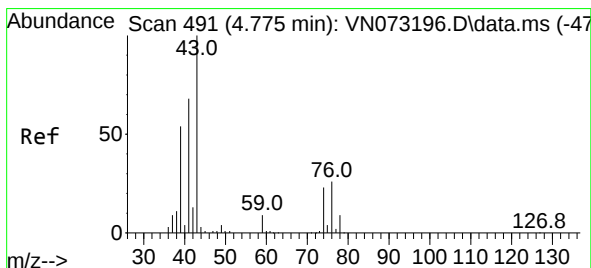
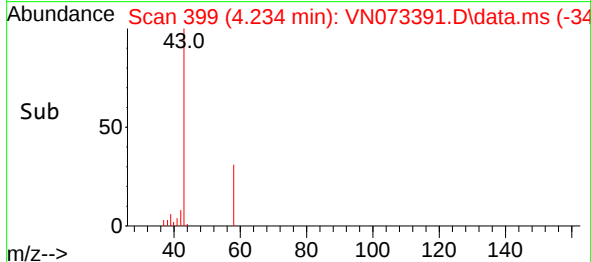
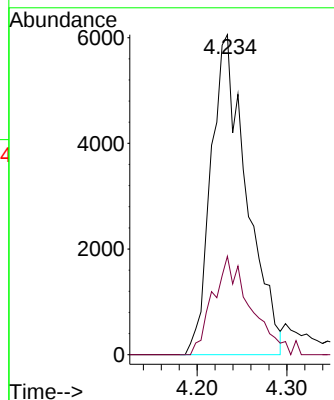
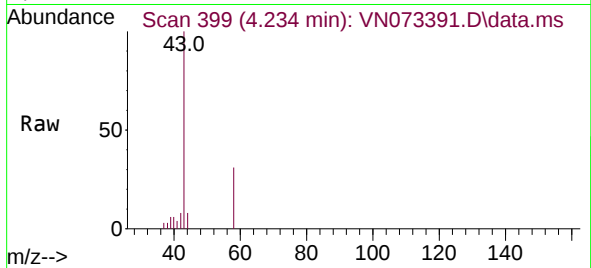




#16
Acetone
Concen: 6.868 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

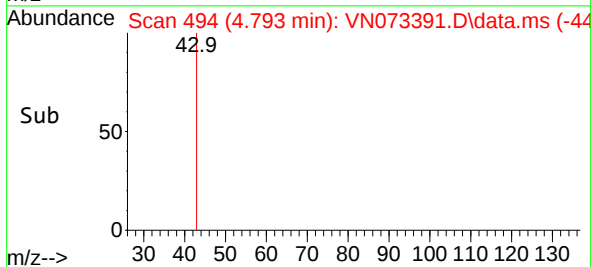
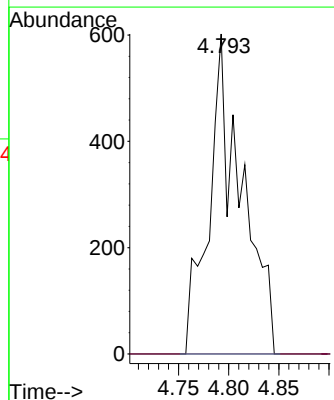
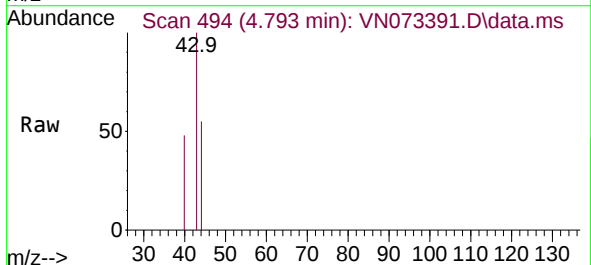
Instrument :
MSVOA_N
ClientSampleId :
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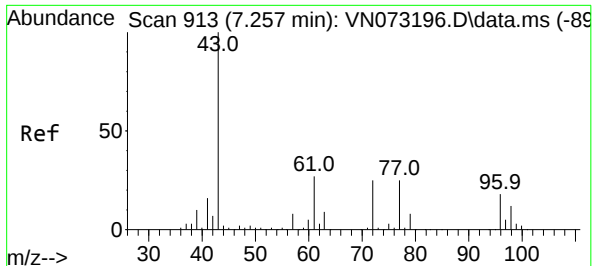
Tgt Ion: 43 Resp: 16709
Ion Ratio Lower Upper
43 100
58 30.7 26.0 39.0



#18
Methyl Acetate
Concen: 0.200 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion: 43 Resp: 1364
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

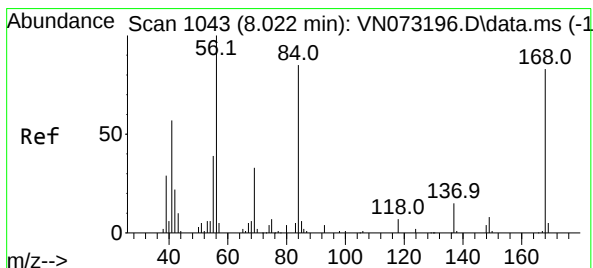
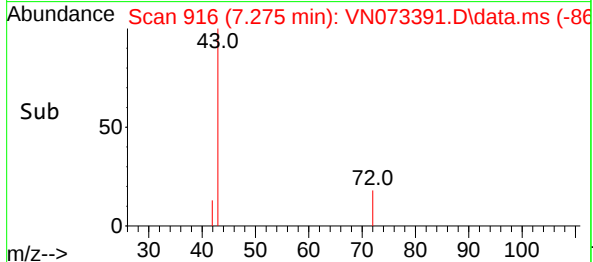
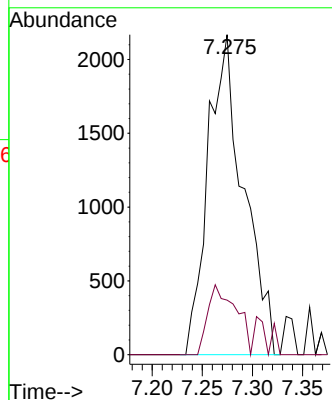
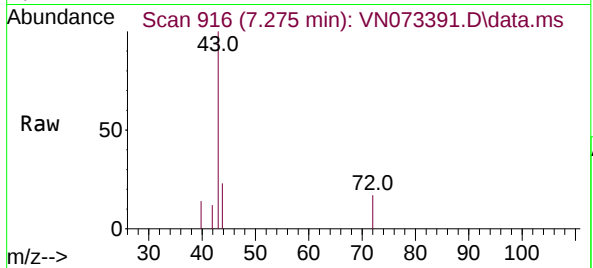




#25
2-Butanone
Concen: 1.383 ug/l
RT: 7.275 min Scan# 913
Delta R.T. 0.018 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

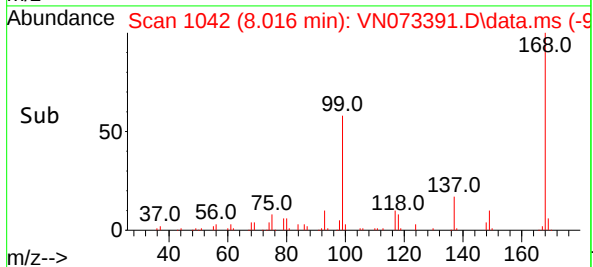
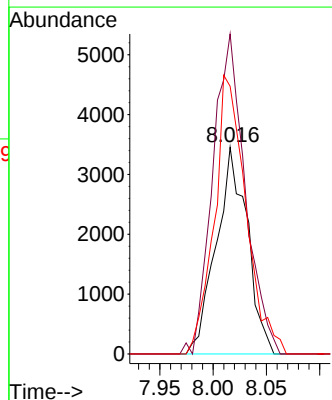
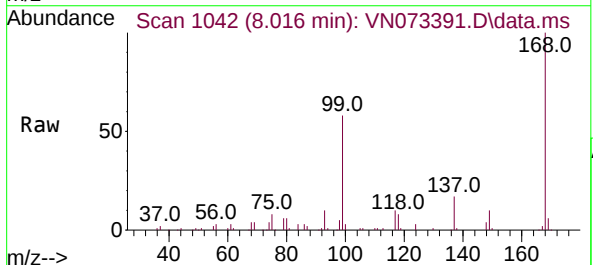
Instrument :
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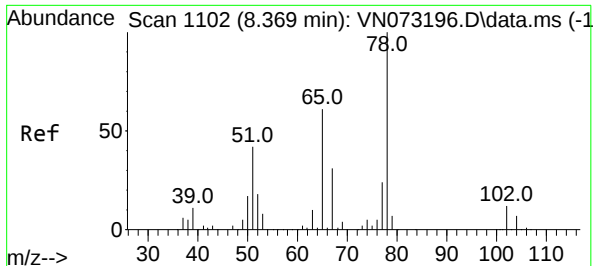
Tgt Ion: 43 Resp: 5357
Ion Ratio Lower Upper
43 100
72 17.1 23.7 35.5#



#31
Cyclohexane
Concen: 0.987 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion: 56 Resp: 7007
Ion Ratio Lower Upper
56 100
69 154.8 27.8 41.8#
84 129.5 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 44.236 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073391.D

Acq: 08 Jul 2022 14:28

Instrument :

MSVOA_N

ClientSampleId :

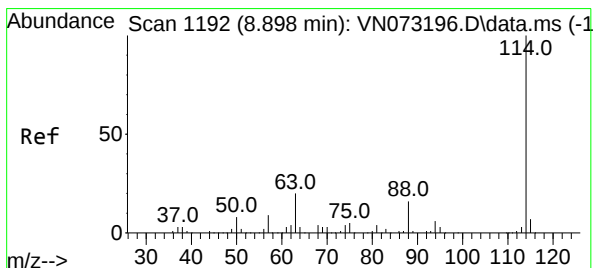
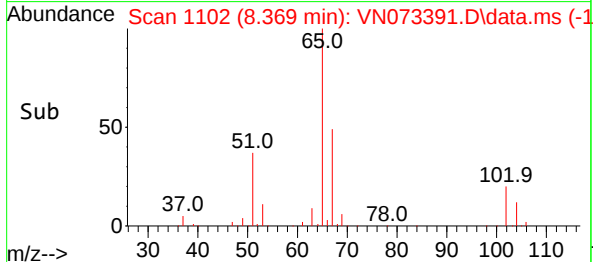
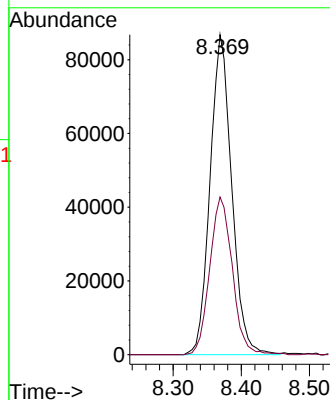
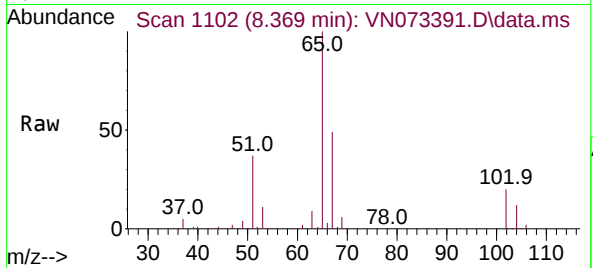
BP-TB-20220706

Tgt Ion: 65 Resp: 191728

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073391.D

Acq: 08 Jul 2022 14:28

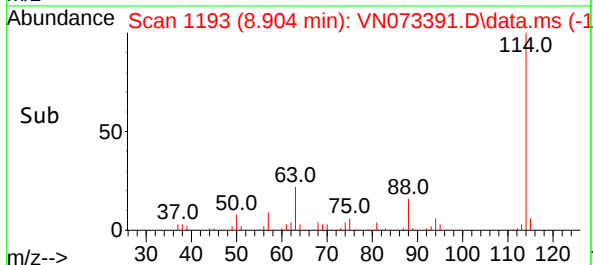
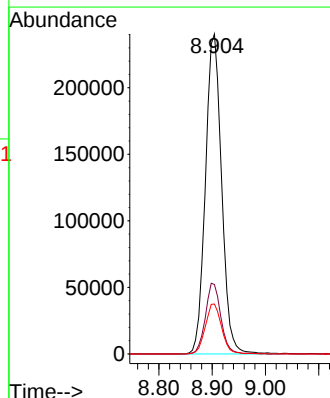
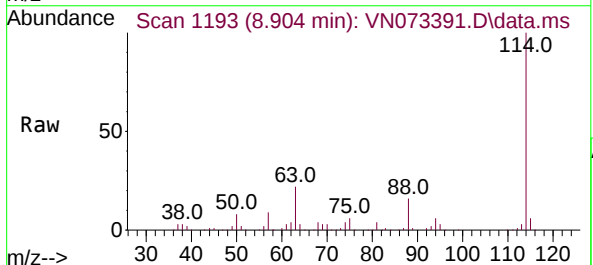
Tgt Ion: 114 Resp: 507488

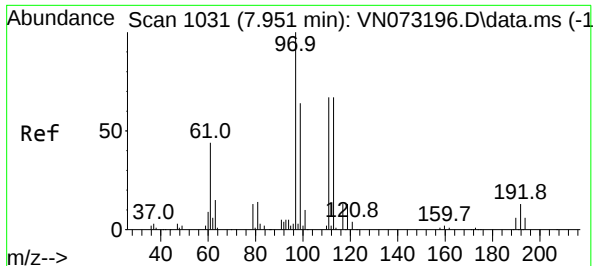
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 15.6 0.0 32.6

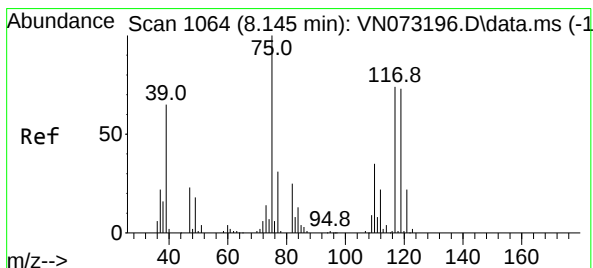
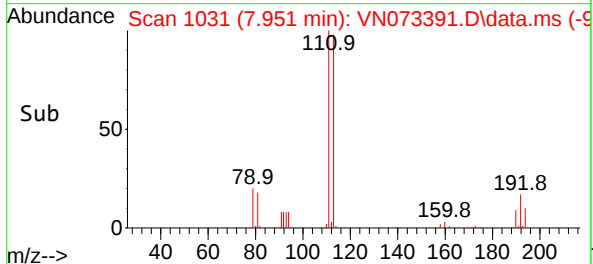
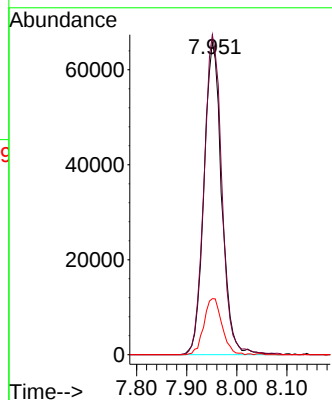
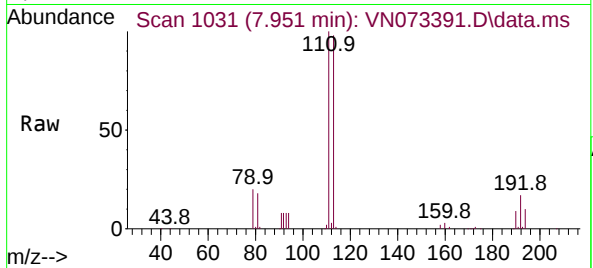




#35
Dibromofluoromethane
Concen: 47.882 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

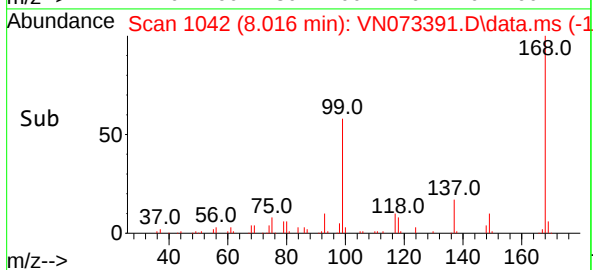
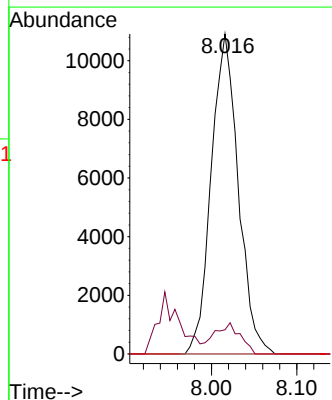
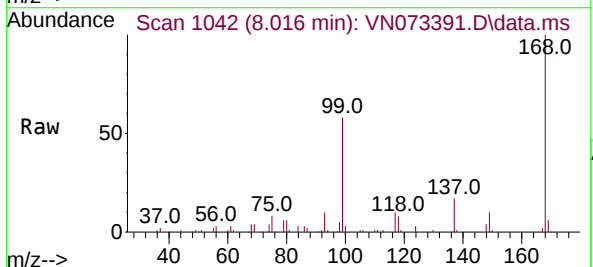
Instrument :
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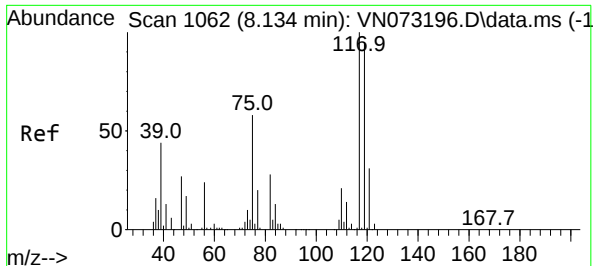
Tgt Ion:113 Resp: 161669
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 18.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.631 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion: 75 Resp: 24060
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 25.1 37.7#

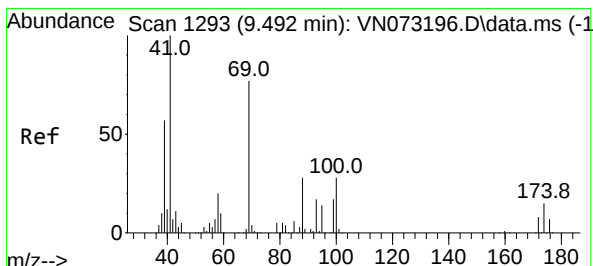
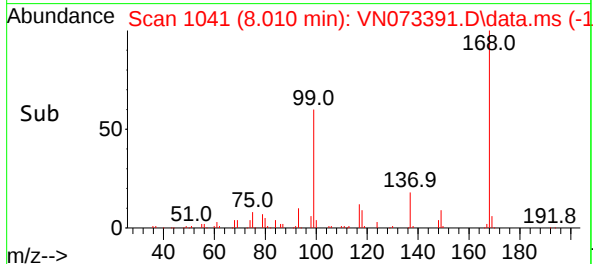
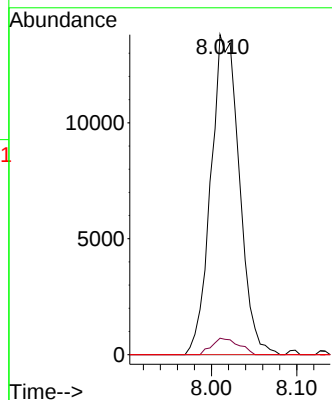
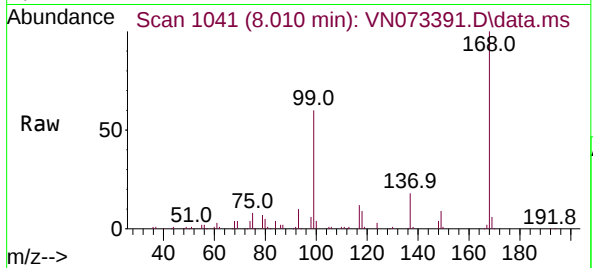




#38
Carbon Tetrachloride
Concen: 5.952 ug/l
RT: 8.010 min Scan# 1062
Delta R.T. -0.124 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

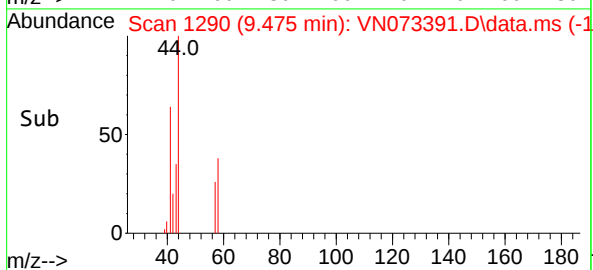
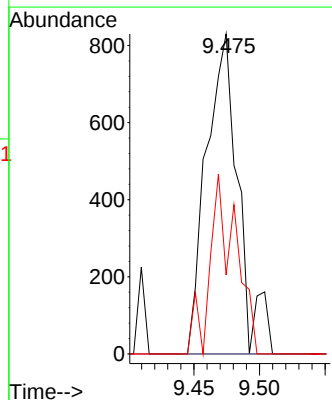
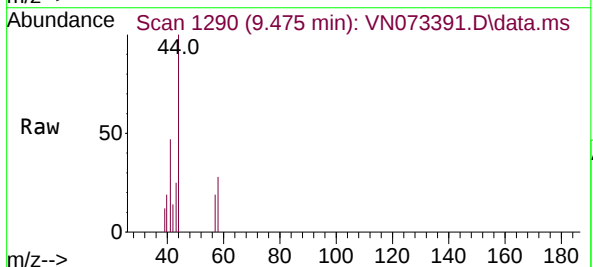
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20220706

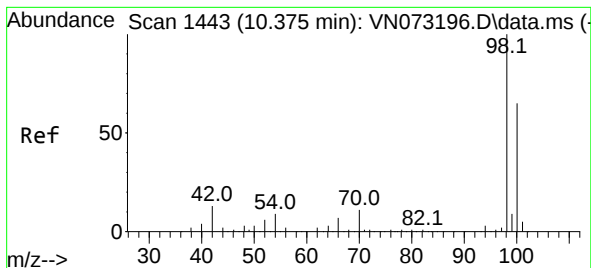
Tgt Ion:117 Resp: 31977
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 0.271 ug/l
RT: 9.475 min Scan# 1290
Delta R.T. -0.017 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion: 41 Resp: 1417
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 45.7 45.6 68.4





#50

Toluene-d8

Concen: 44.979 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073391.D

Acq: 08 Jul 2022 14:28

Instrument :

MSVOA_N

ClientSampleId :

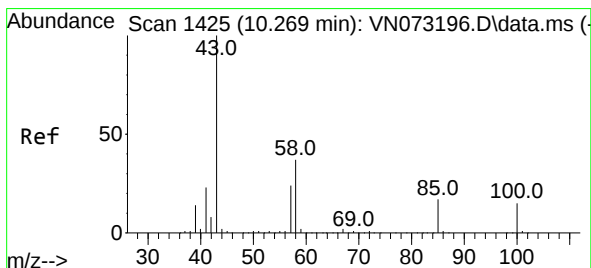
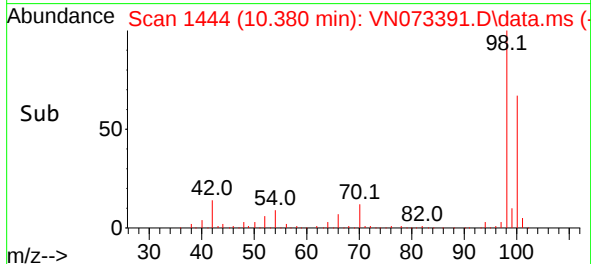
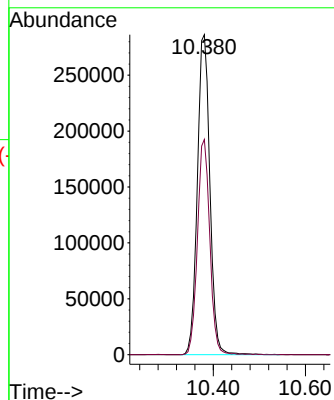
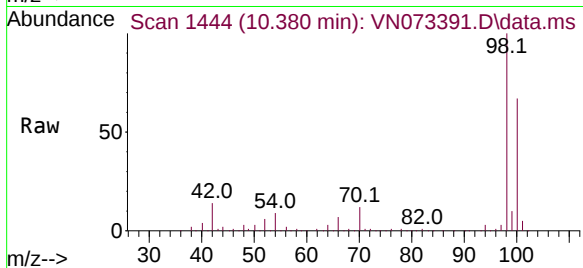
BP-TB-20220706

Tgt Ion: 98 Resp: 539375

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.612 ug/l

RT: 10.275 min Scan# 1426

Delta R.T. 0.005 min

Lab File: VN073391.D

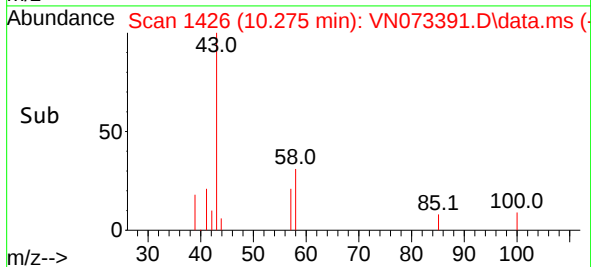
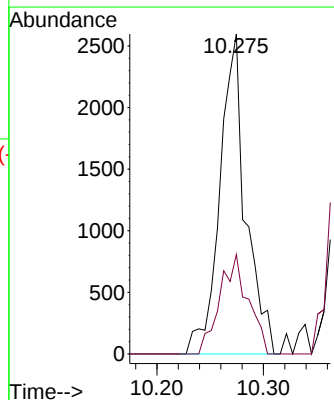
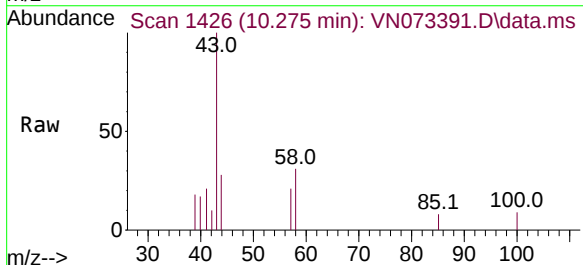
Acq: 08 Jul 2022 14:28

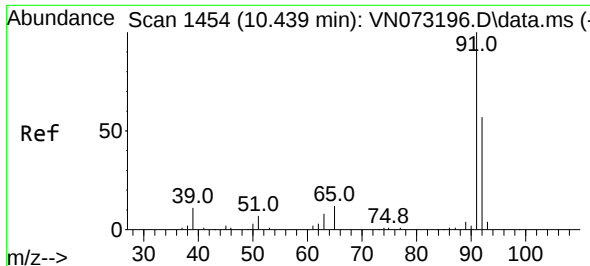
Tgt Ion: 43 Resp: 4381

Ion Ratio Lower Upper

43 100

58 34.0 34.1 51.1#

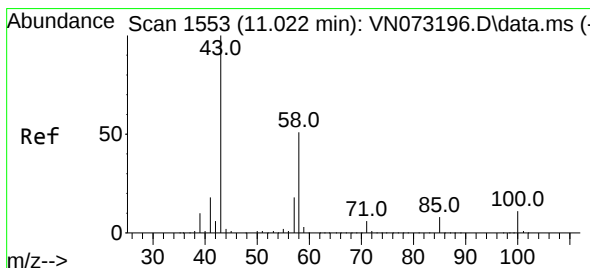
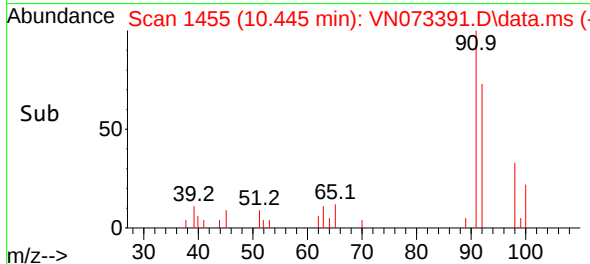
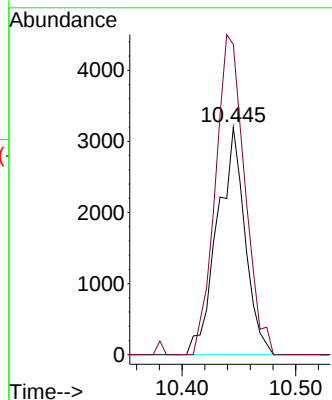
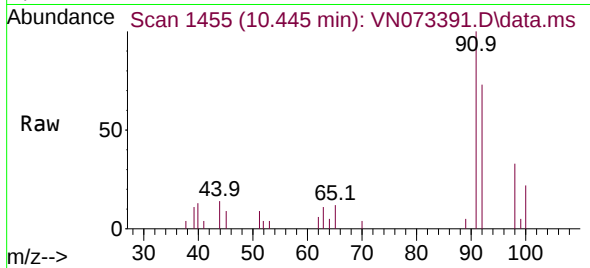




#52
Toluene
Concen: 0.547 ug/l
RT: 10.445 min Scan# 1454
Delta R.T. 0.006 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

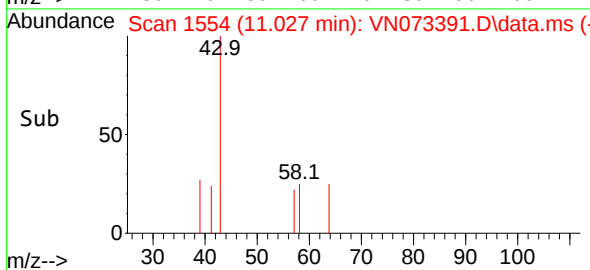
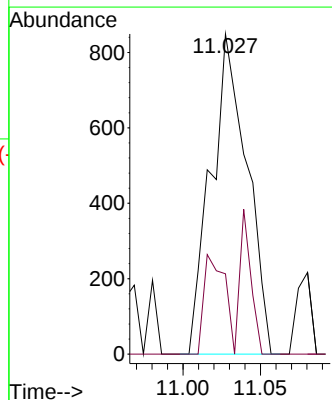
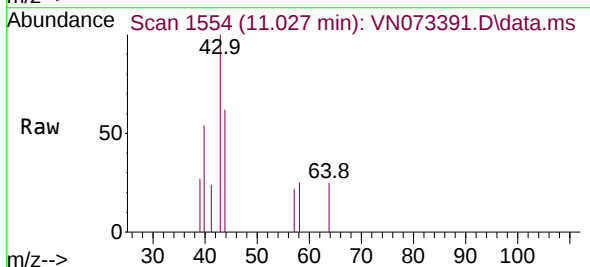
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20220706

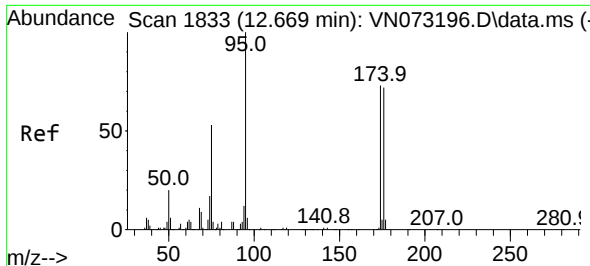
Tgt Ion: 92 Resp: 5416
Ion Ratio Lower Upper
92 100
91 149.1 138.6 207.8



#59
2-Hexanone
Concen: 0.251 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.005 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
58 13.9 29.7 89.1#

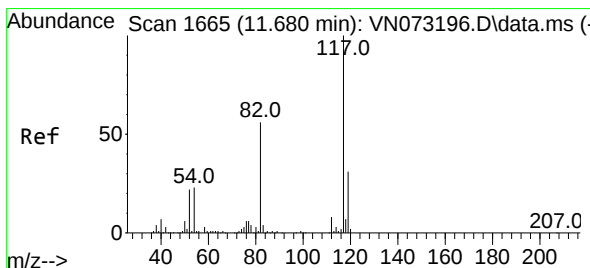
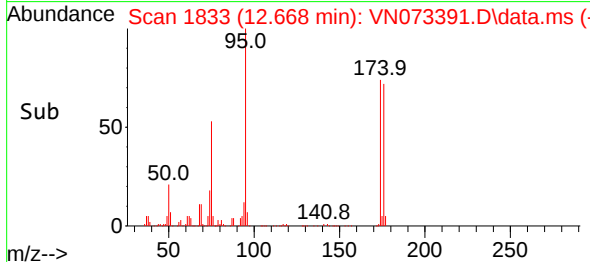
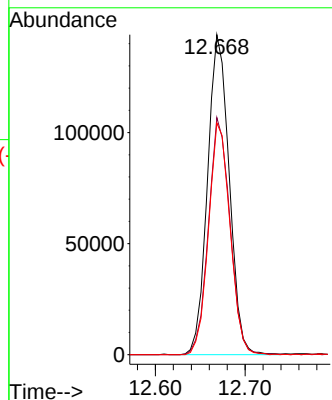
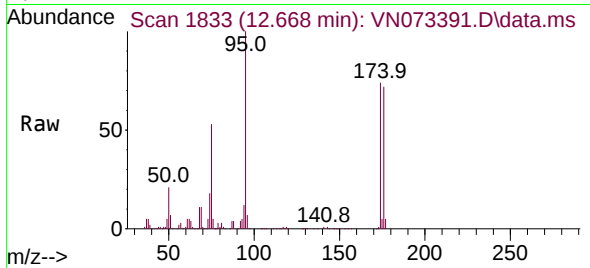




#62
4-Bromofluorobenzene
Concen: 52.449 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

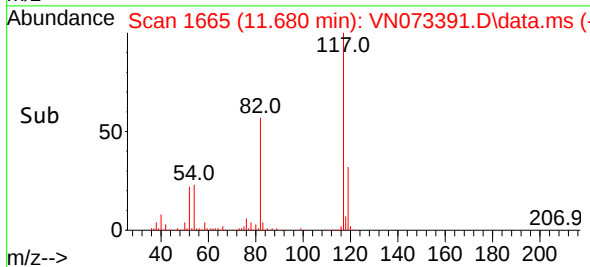
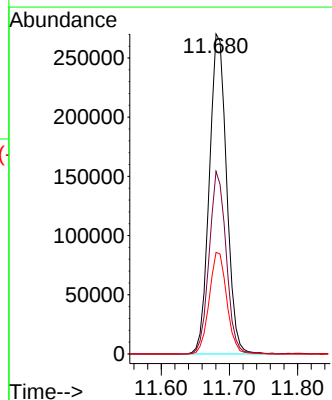
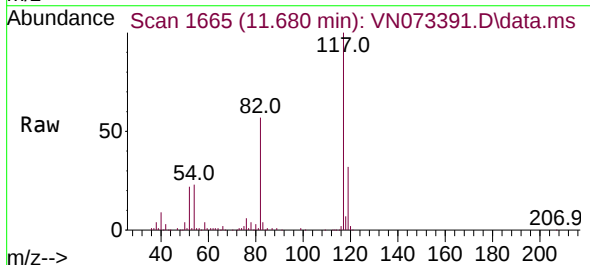
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20220706

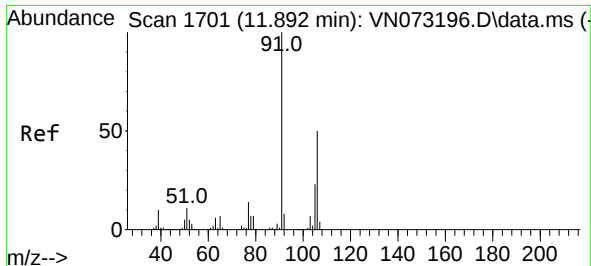
Tgt Ion: 95 Resp: 241708
Ion Ratio Lower Upper
95 100
174 73.7 0.0 167.6
176 71.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion: 117 Resp: 477199
Ion Ratio Lower Upper
117 100
82 57.1 44.2 66.2
119 31.7 25.4 38.0

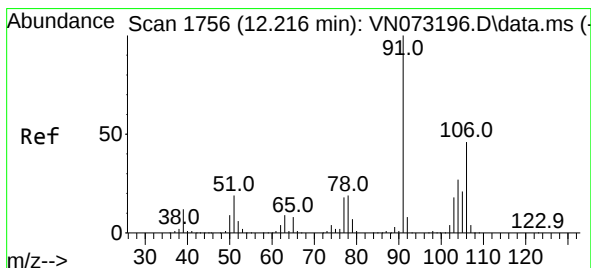
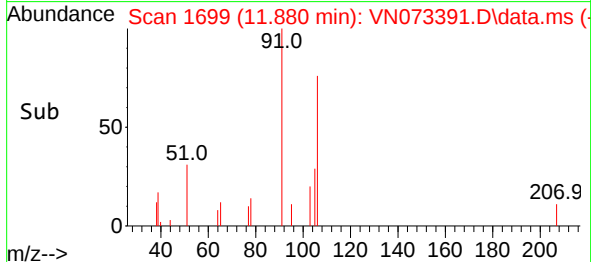
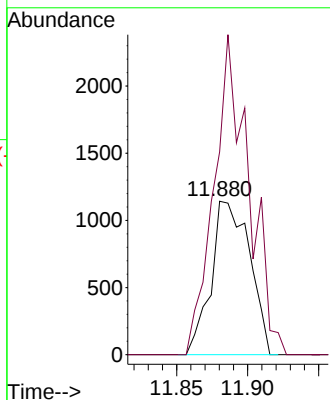
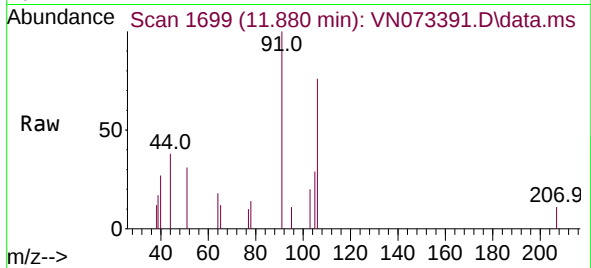




#68
m/p-Xylenes
Concen: 0.292 ug/l
RT: 11.880 min Scan# 1699
Delta R.T. -0.012 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

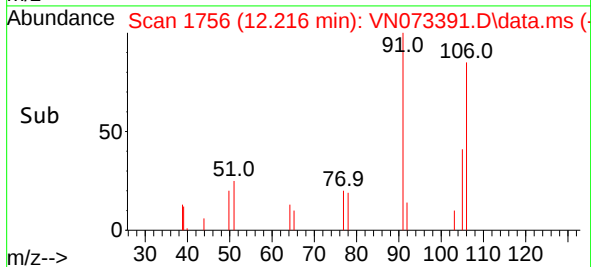
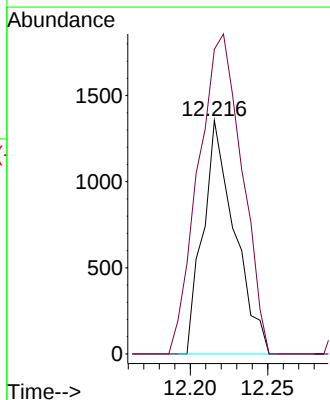
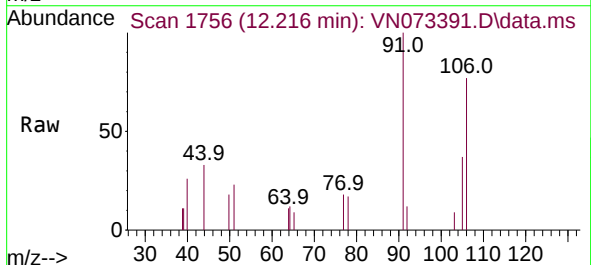
Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20220706

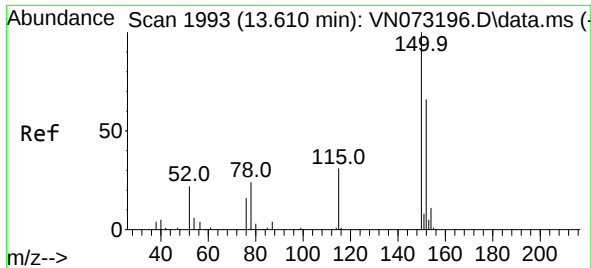
Tgt Ion:106 Resp: 2157
Ion Ratio Lower Upper
106 100
91 189.0 158.9 238.3



#69
o-Xylene
Concen: 0.254 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.000 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion:106 Resp: 1919
Ion Ratio Lower Upper
106 100
91 189.5 106.0 318.0

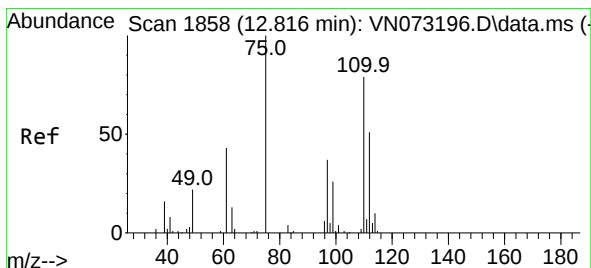
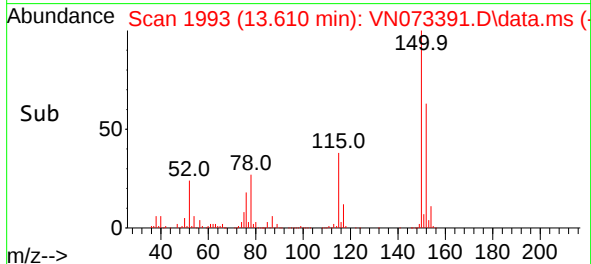
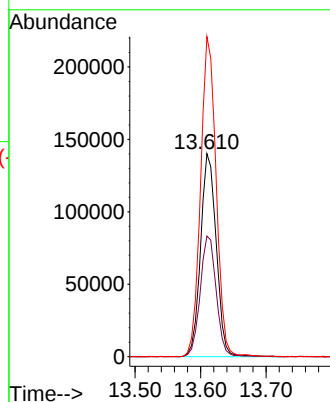
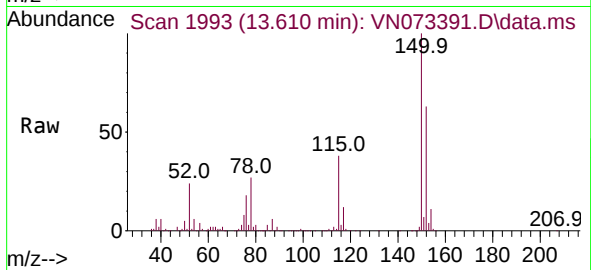




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073391.D
 Acq: 08 Jul 2022 14:28

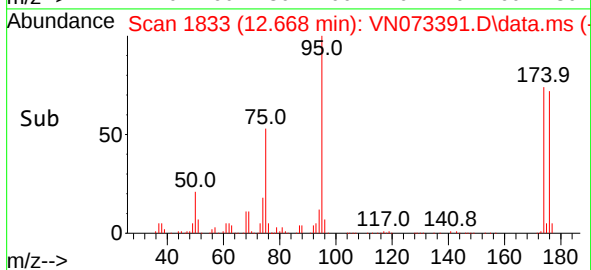
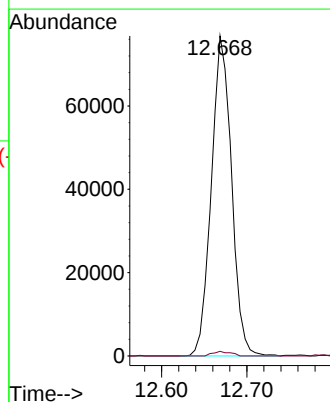
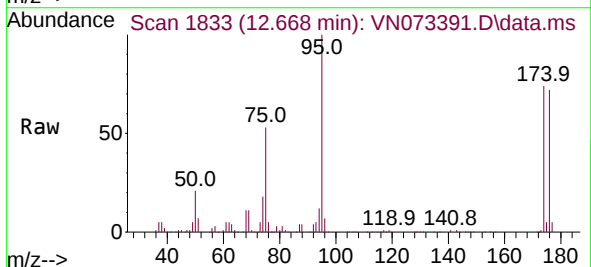
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TB-20220706

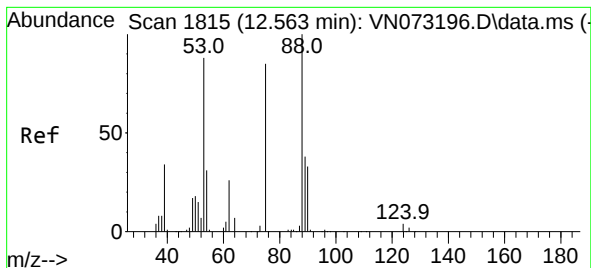
Tgt Ion:152 Resp: 234010
 Ion Ratio Lower Upper
 152 100
 115 60.7 28.9 86.7
 150 156.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.663 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.148 min
 Lab File: VN073391.D
 Acq: 08 Jul 2022 14:28

Tgt Ion: 75 Resp: 126437
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

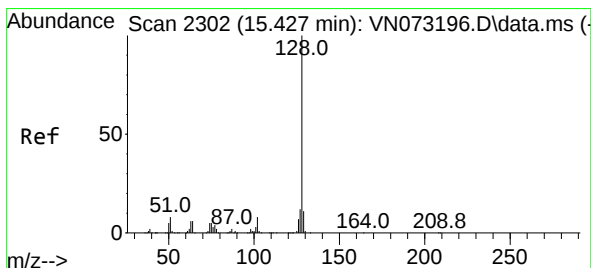
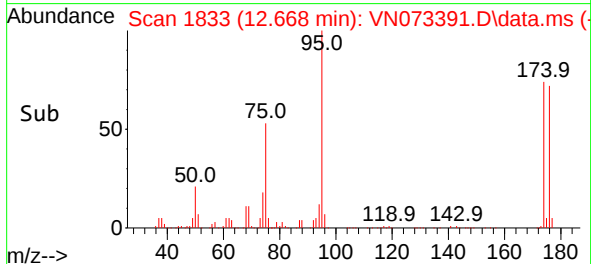
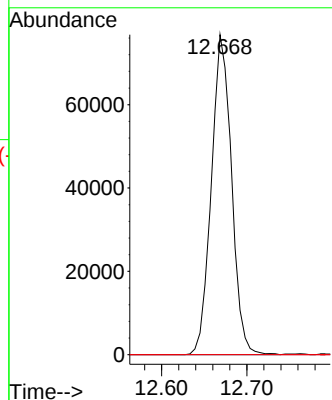
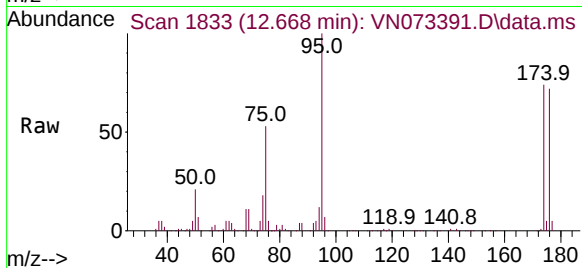




#81
trans-1,4-Dichloro-2-butene
Concen: 56.669 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Instrument :
MSVOA_N
ClientSampleId :
BP-TB-20220706

Tgt Ion: 75 Resp: 126437
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.214 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN073391.D
Acq: 08 Jul 2022 14:28

Tgt Ion:128 Resp: 3861
Ion Ratio Lower Upper
128 100
127 8.1 10.3 15.5#
129 8.2 8.6 13.0#

