

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069879.D
 Acq On : 8 Dec 2021 23:41
 Operator : JC/MD
 Sample : VN1208WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBL02

Quant Time: Dec 09 11:50:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

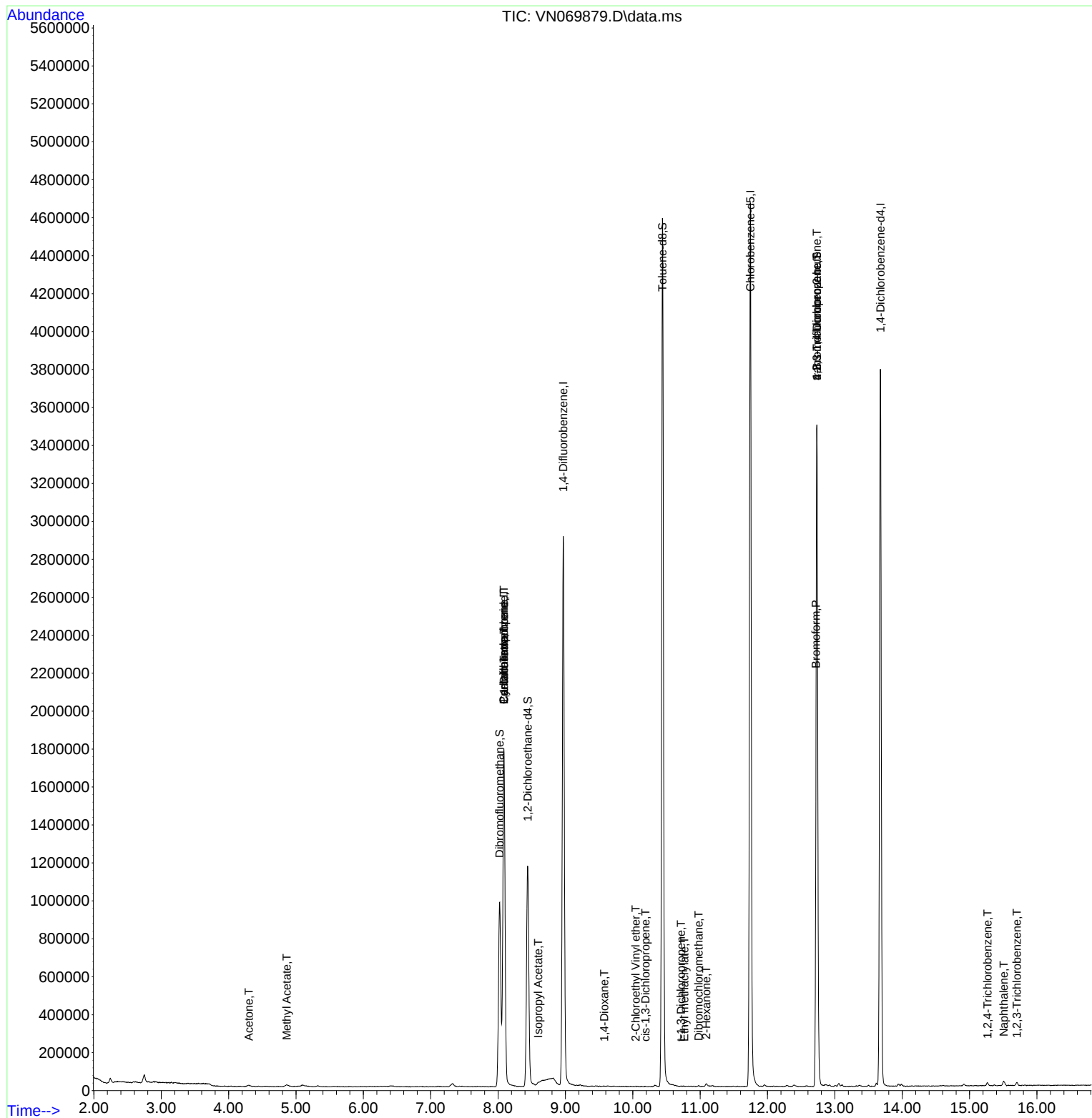
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.085	168	1313200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2385430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2611644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	1010250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1023250	50.467	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.940%	
35) Dibromofluoromethane	8.024	113	713463	47.749	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.500%	
50) Toluene-d8	10.440	98	3110978	51.853	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.700%	
62) 4-Bromofluorobenzene	12.733	95	1225744	56.394	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 112.780%	
Target Compounds						Qvalue
16) Acetone	4.299	43	8067	0.661	ug/l #	89
18) Methyl Acetate	4.864	43	17383	0.472	ug/l #	81
31) Cyclohexane	8.085	56	34744	1.231	ug/l #	32
36) 1,1-Dichloropropene	8.085	75	110306	4.857	ug/l #	49
38) Carbon Tetrachloride	8.085	117	131736	5.916	ug/l #	17
43) Isopropyl Acetate	8.598	43	10122	0.202	ug/l #	55
49) 1,4-Dioxane	9.577	88	235	0.561	ug/l #	20
53) t-1,3-Dichloropropene	10.714	75	651	2.816	ug/l #	47
54) cis-1,3-Dichloropropene	10.188	75	382	2.011	ug/l #	93
56) Ethyl methacrylate	10.765	69	260	2.287	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.043	63	54	18.395	ug/l #	45
59) 2-Hexanone	11.092	43	10646	0.434	ug/l	80
60) Dibromochloromethane	10.979	129	679	2.412	ug/l #	11
71) Bromoform	12.720	173	1703	2.832	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	690845	23.846	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	690845	75.766	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	4969	3.160	ug/l	94
95) Naphthalene	15.507	128	22558	4.406	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	5240	2.744	ug/l	65

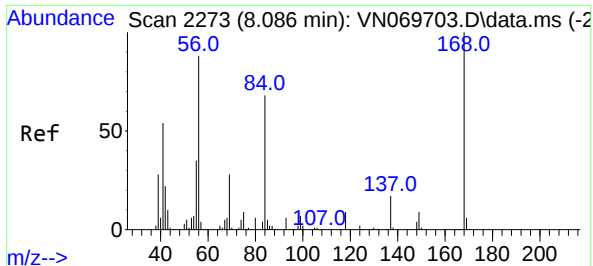
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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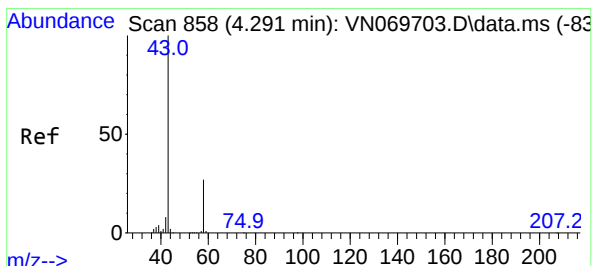
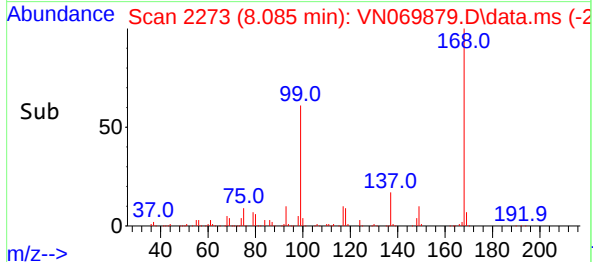
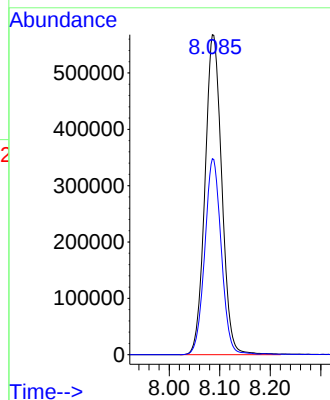
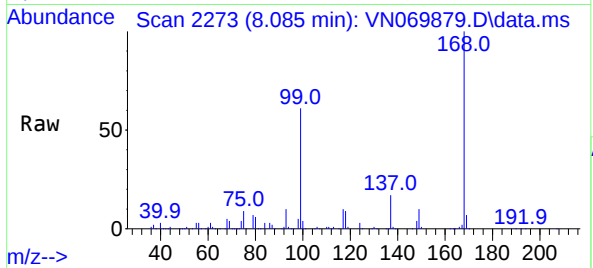




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

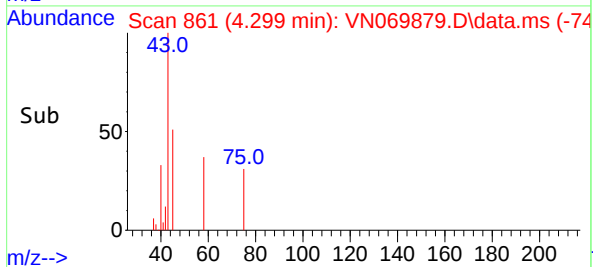
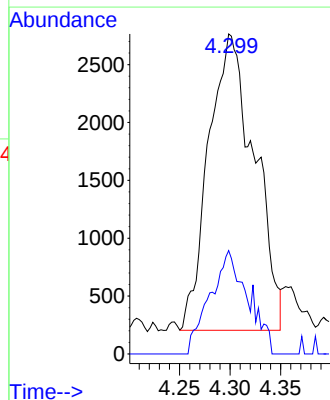
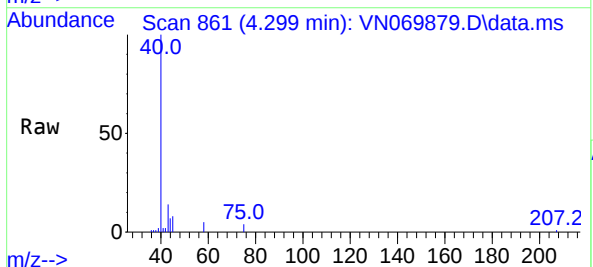
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL02

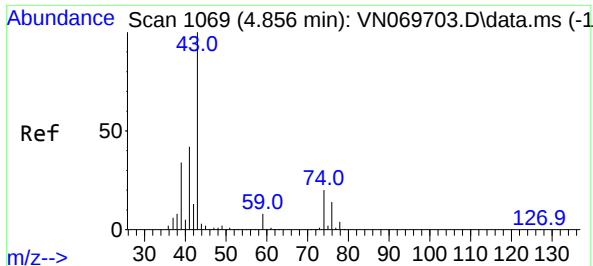
Tgt Ion:168 Resp: 1313200
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#16
Acetone
Concen: 0.661 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion: 43 Resp: 8067
Ion Ratio Lower Upper
43 100
58 34.9 23.1 34.7#

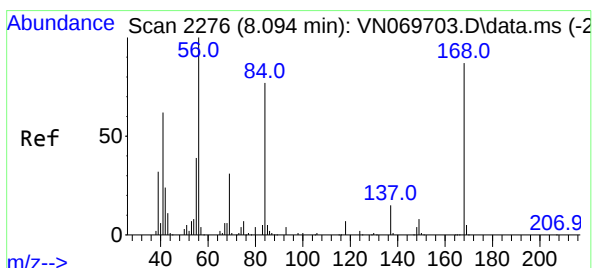
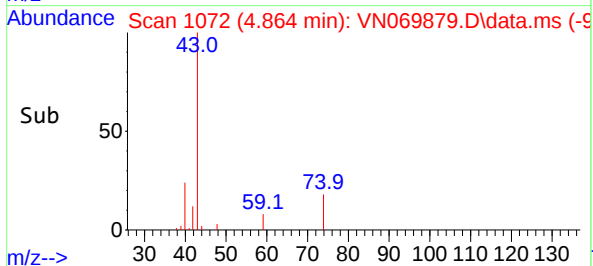
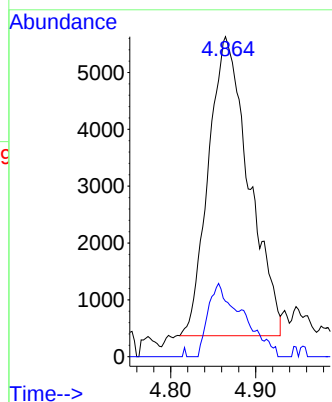
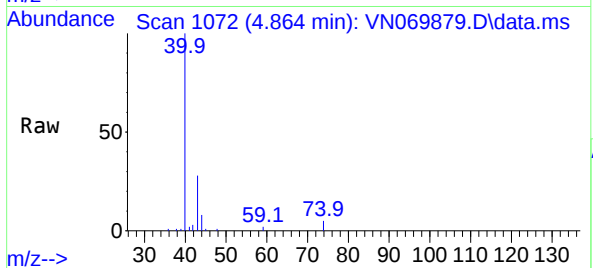




#18
Methyl Acetate
Concen: 0.472 ug/l
RT: 4.864 min Scan# 1069
Delta R.T. 0.008 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

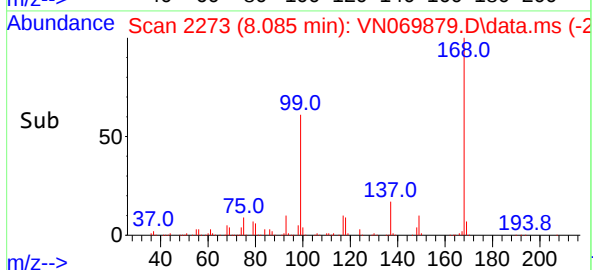
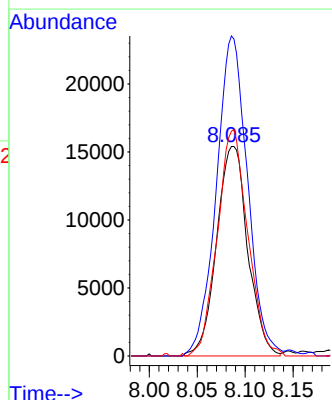
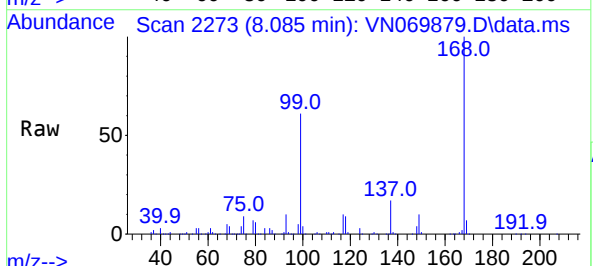
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL02

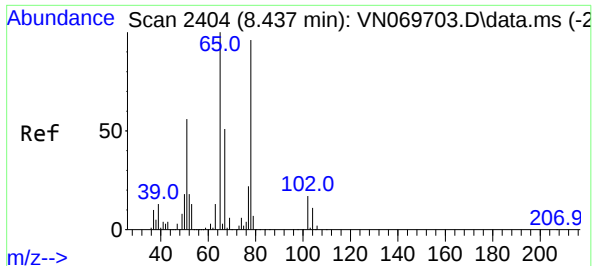
Tgt Ion: 43 Resp: 17383
Ion Ratio Lower Upper
43 100
74 14.6 19.4 29.2#



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion: 56 Resp: 34744
Ion Ratio Lower Upper
56 100
69 152.7 27.1 40.7#
84 107.2 73.4 110.0

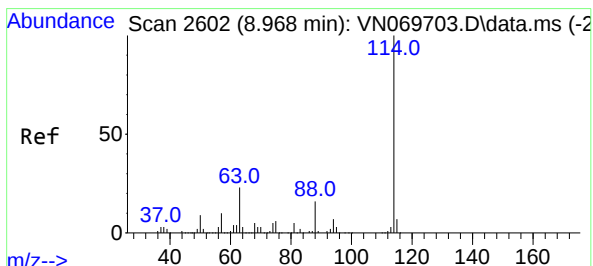
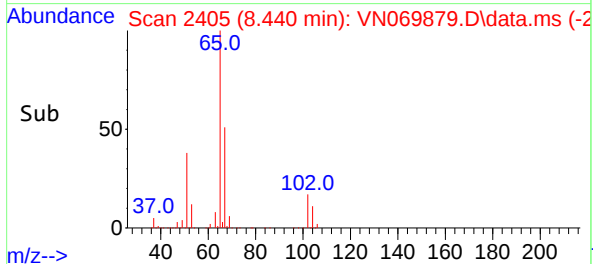
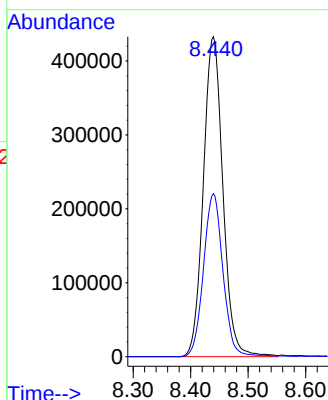
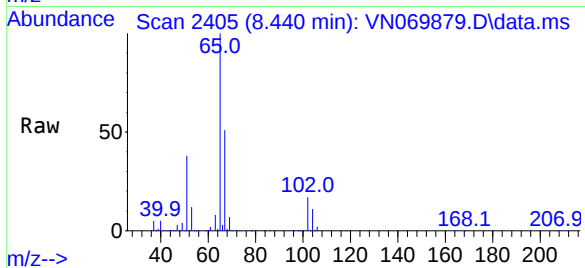




#33
1,2-Dichloroethane-d4
Concen: 50.467 ug/l
RT: 8.440 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

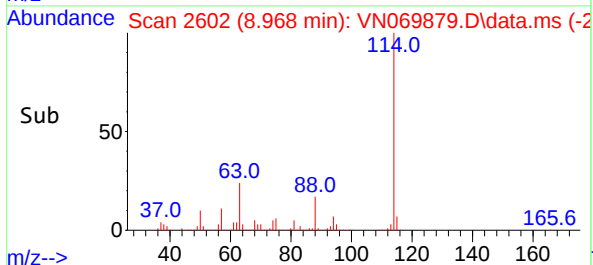
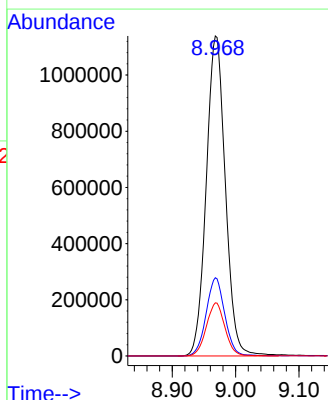
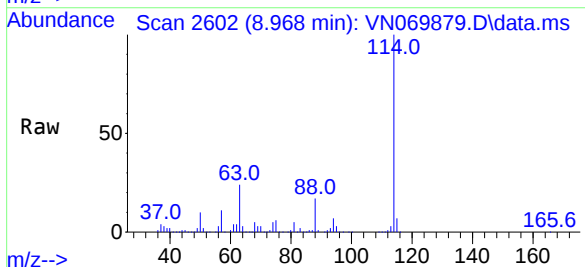
Instrument :
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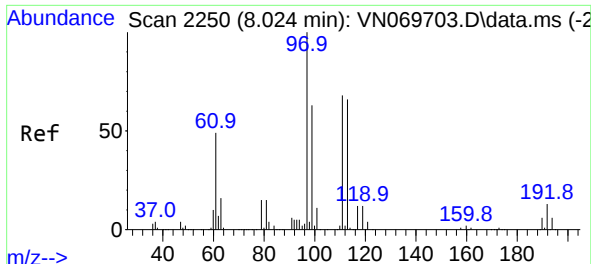
Tgt Ion: 65 Resp: 1023250
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion:114 Resp: 2385430
Ion Ratio Lower Upper
114 100
63 24.5 0.0 37.8
88 16.6 0.0 27.4

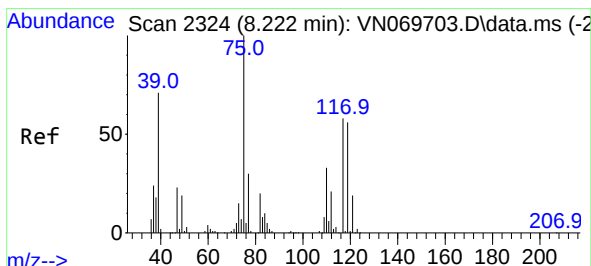
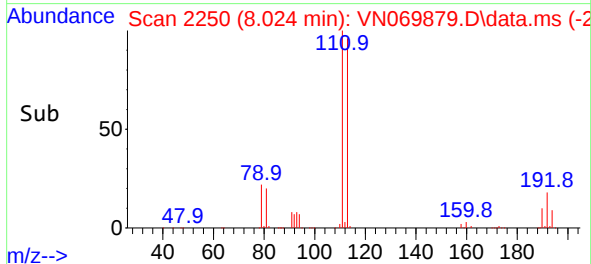
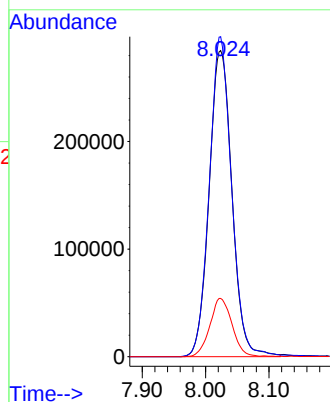
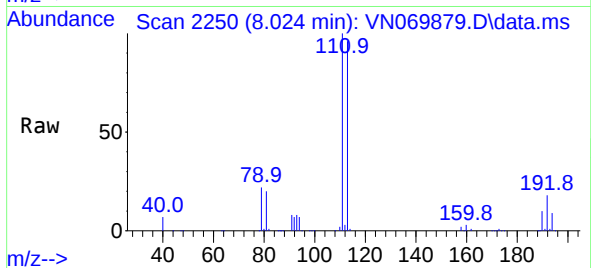




#35
Dibromofluoromethane
Concen: 47.749 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

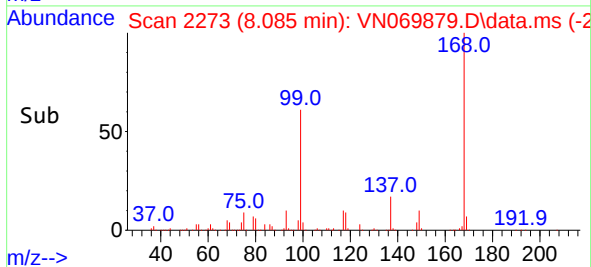
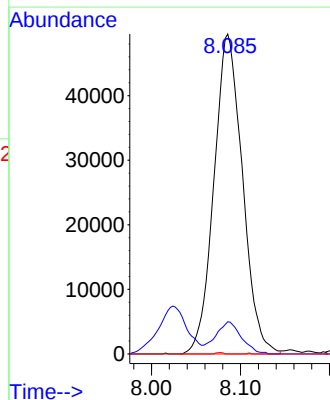
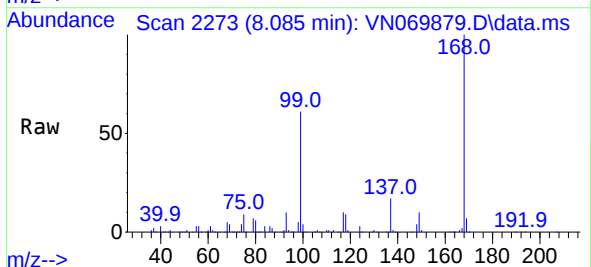
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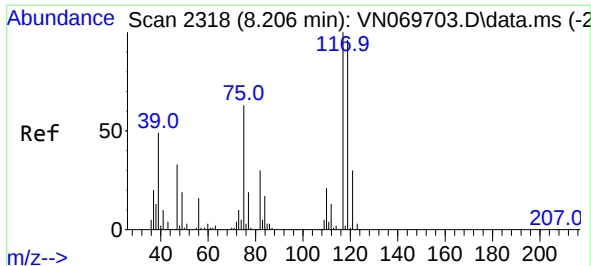
Tgt Ion:113 Resp: 713463
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion: 75 Resp: 110306
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.1 24.4 36.6#

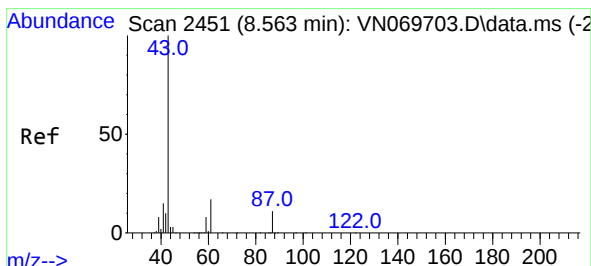
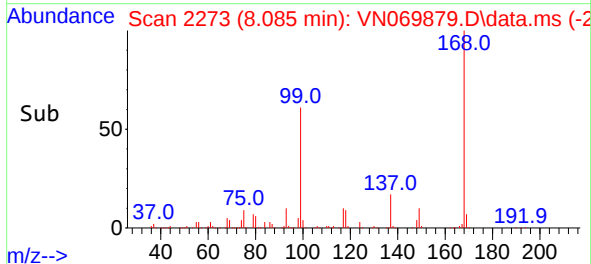
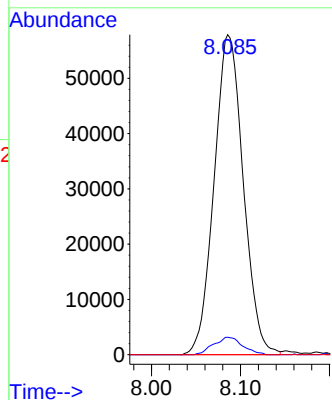
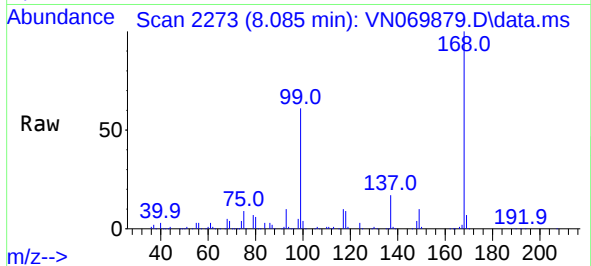




#38
Carbon Tetrachloride
Concen: 5.916 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

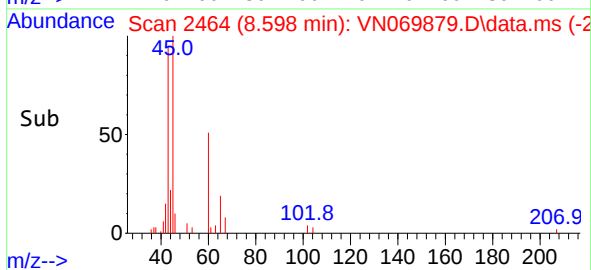
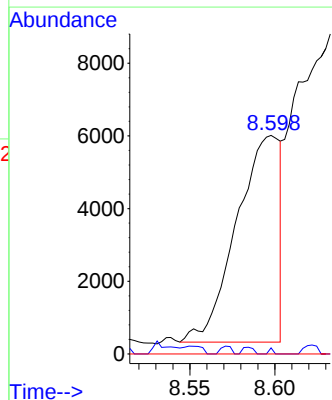
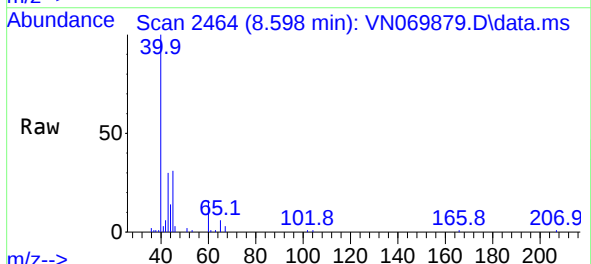
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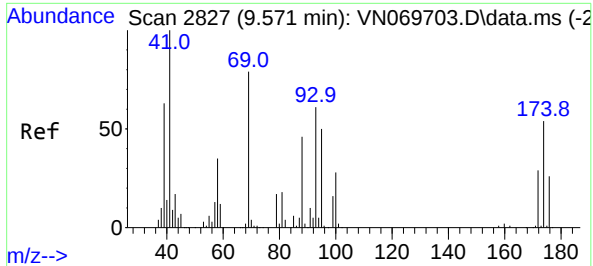
Tgt Ion:117 Resp: 131736
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.202 ug/l
RT: 8.598 min Scan# 2464
Delta R.T. 0.035 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion: 43 Resp: 10122
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

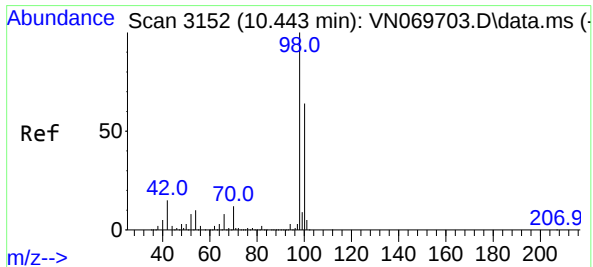
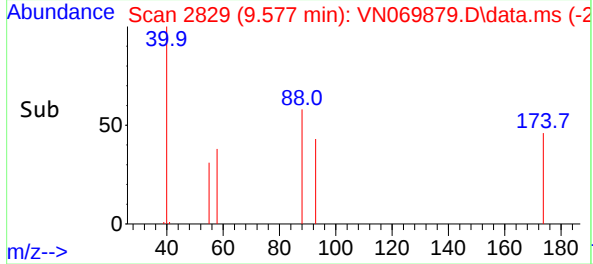
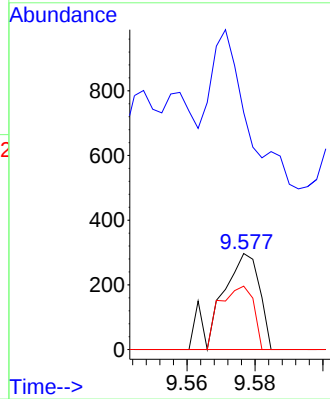
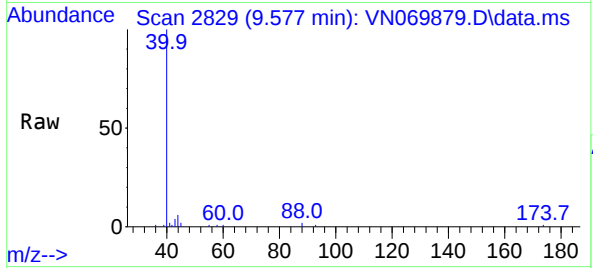




#49
1,4-Dioxane
Concen: 0.561 ug/l
RT: 9.577 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

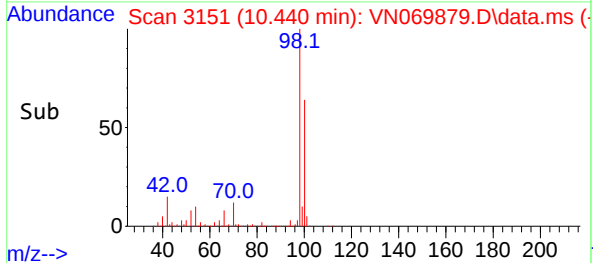
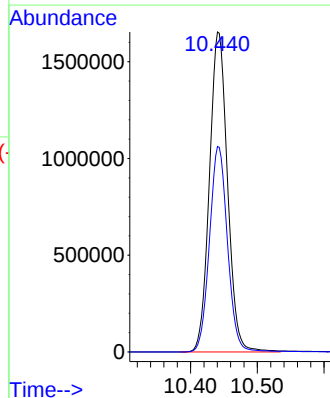
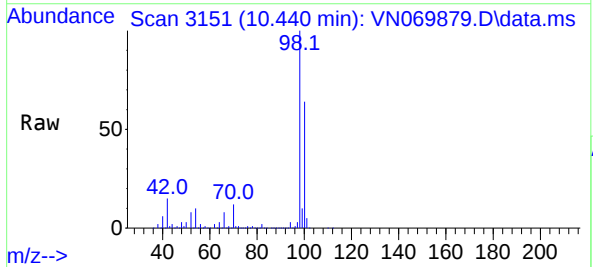
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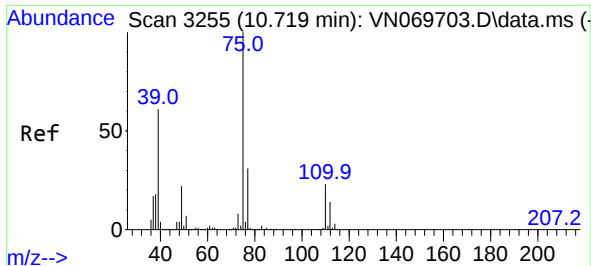
Tgt Ion: 88 Resp: 235
Ion Ratio Lower Upper
88 100
43 155.7 23.4 35.2#
58 57.4 50.6 75.8



#50
Toluene-d8
Concen: 51.853 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion: 98 Resp: 3110978
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6

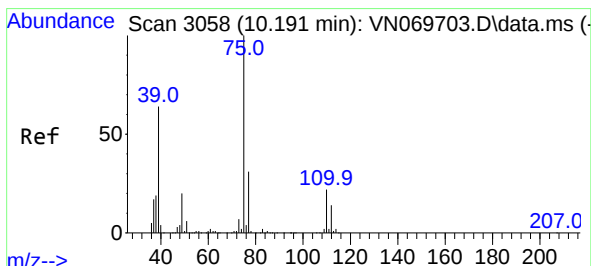
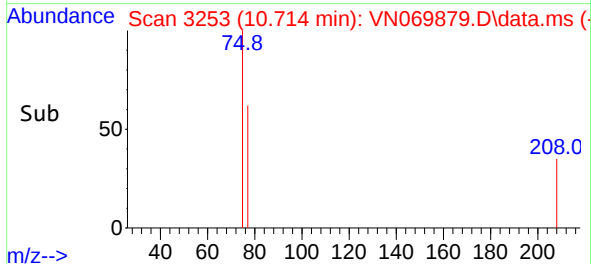
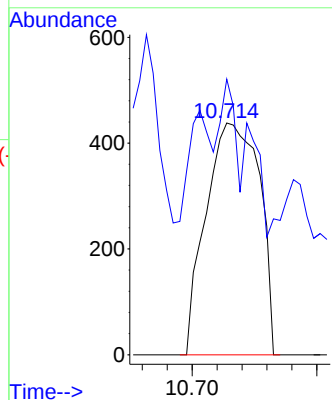
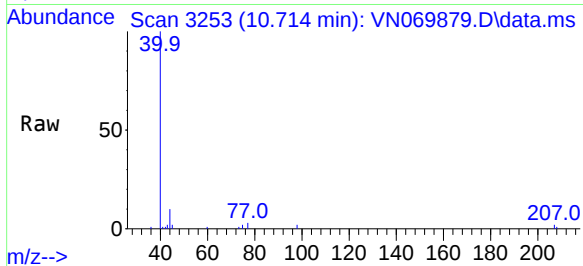




#53
t-1,3-Dichloropropene
Concen: 2.816 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

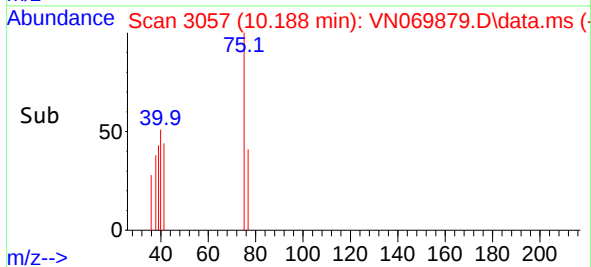
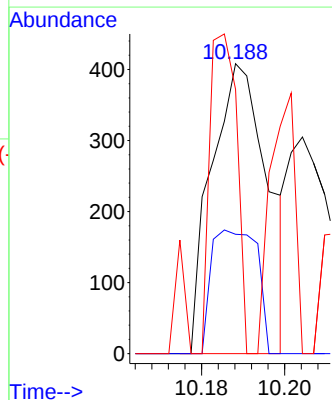
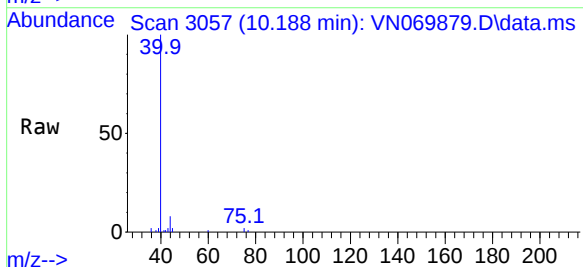
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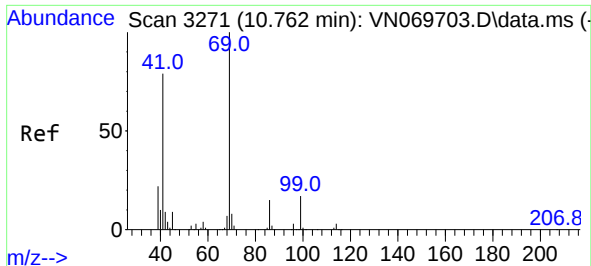
Tgt Ion: 75 Resp: 651
Ion Ratio Lower Upper
75 100
77 61.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.011 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion: 75 Resp: 382
Ion Ratio Lower Upper
75 100
77 41.2 26.4 39.6#
39 52.0 42.5 63.7

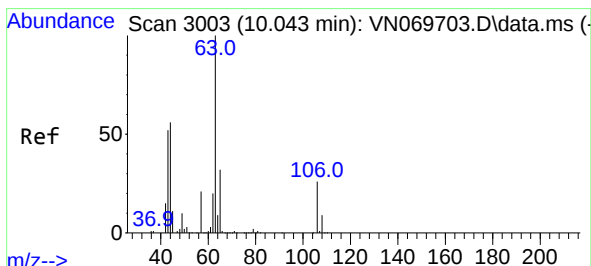
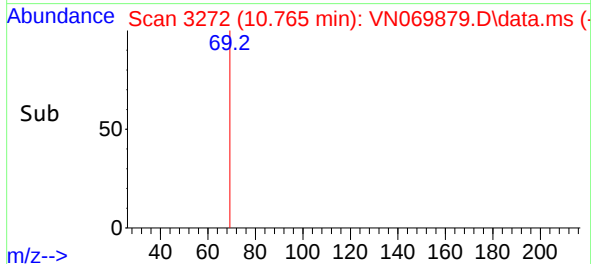
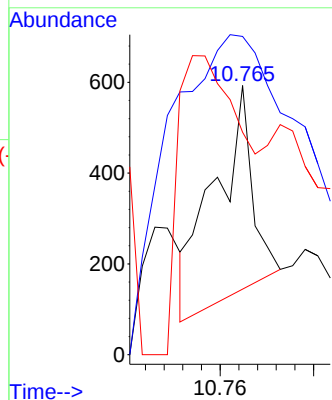
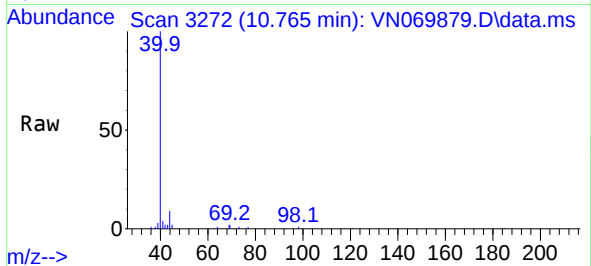




#56
Ethyl methacrylate
Concen: 2.287 ug/l
RT: 10.765 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

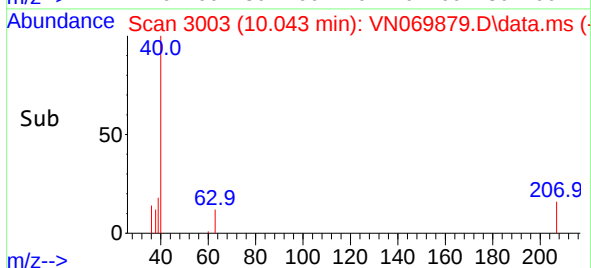
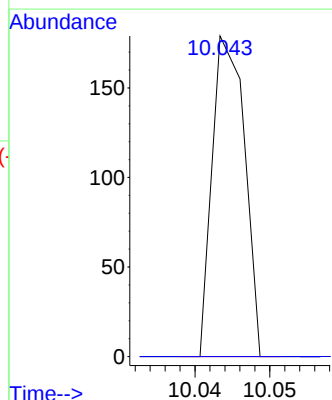
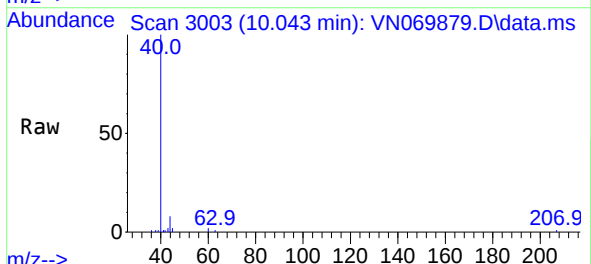
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL02

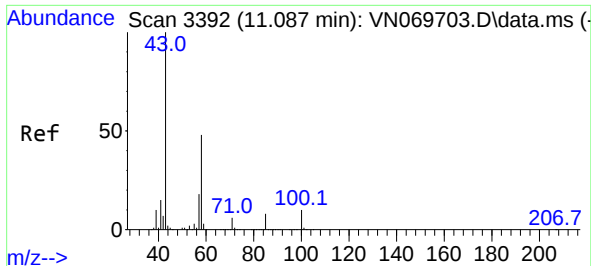
Tgt Ion: 69 Resp: 260
Ion Ratio Lower Upper
69 100
41 590.8 51.4 77.0#
39 246.9 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.395 ug/l
RT: 10.043 min Scan# 3003
Delta R.T. 0.000 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

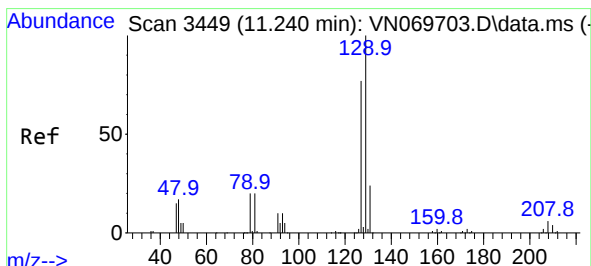
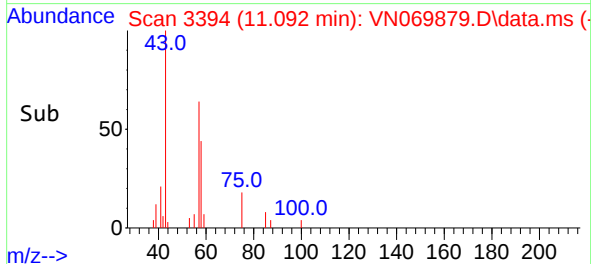
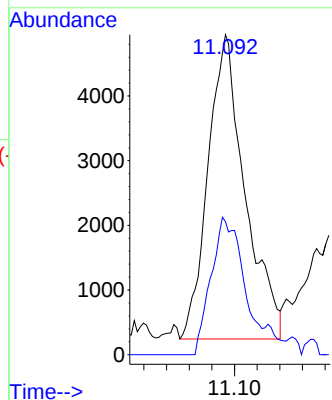
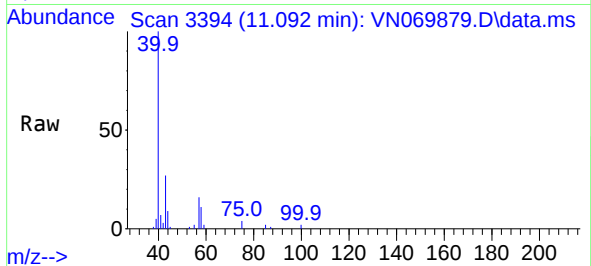




#59
2-Hexanone
Concen: 0.434 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

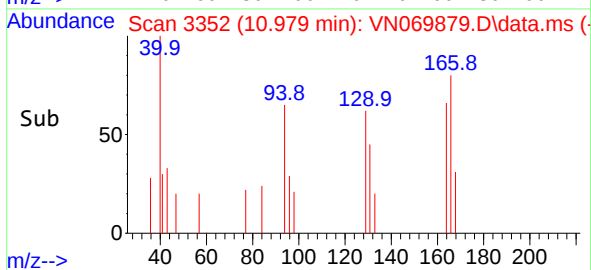
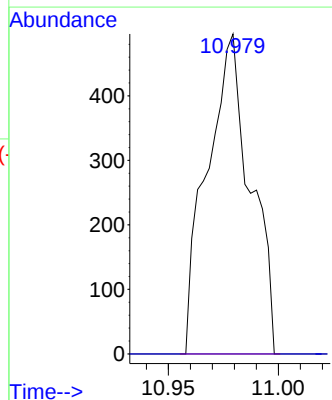
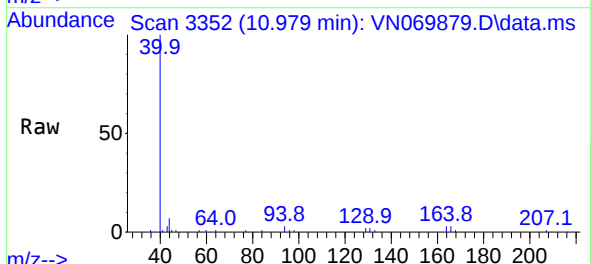
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL02

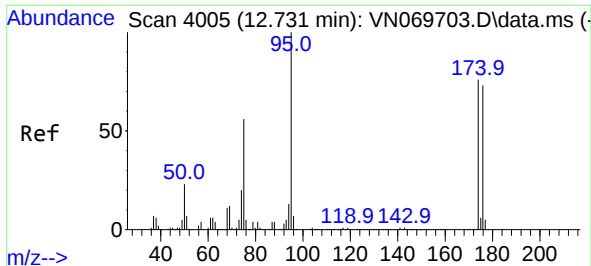
Tgt Ion: 43 Resp: 10646
Ion Ratio Lower Upper
43 100
58 39.5 26.9 80.7



#60
Dibromochloromethane
Concen: 2.412 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion: 129 Resp: 679
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

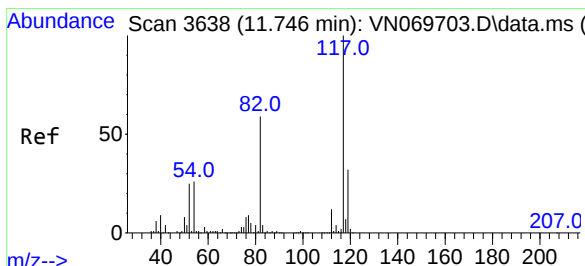
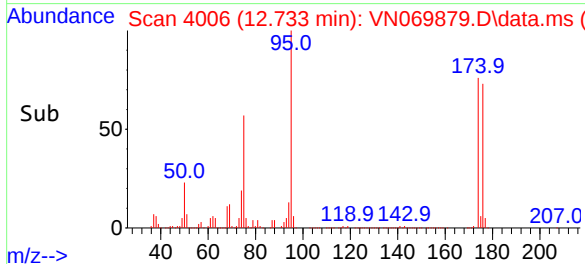
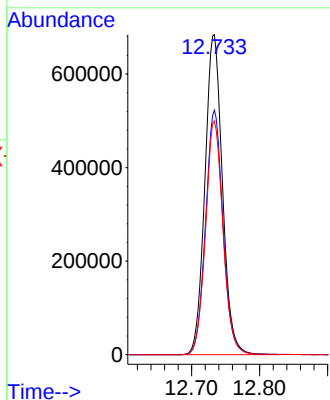
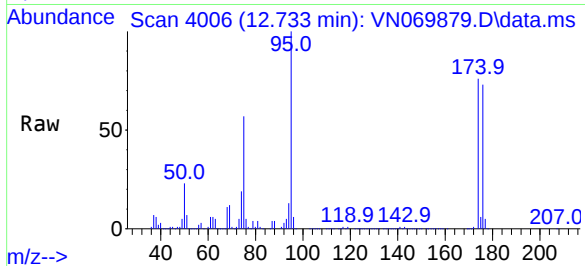




#62
4-Bromofluorobenzene
Concen: 56.394 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

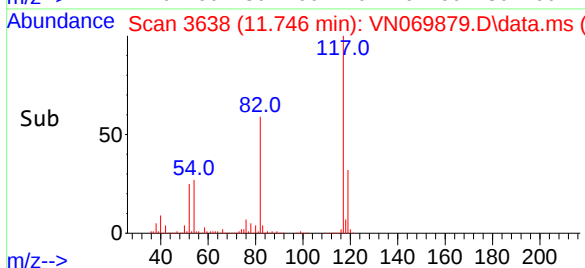
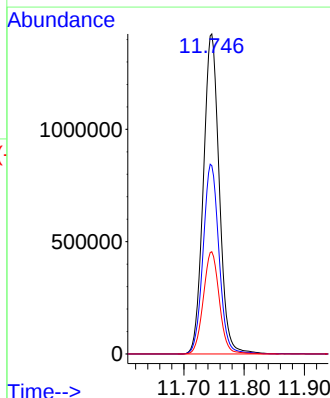
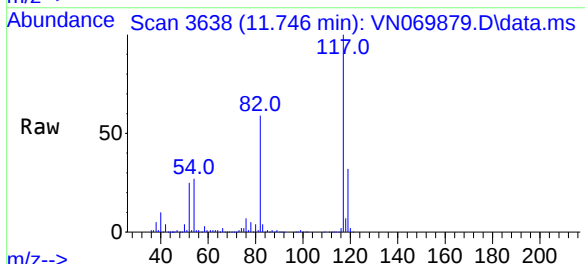
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL02

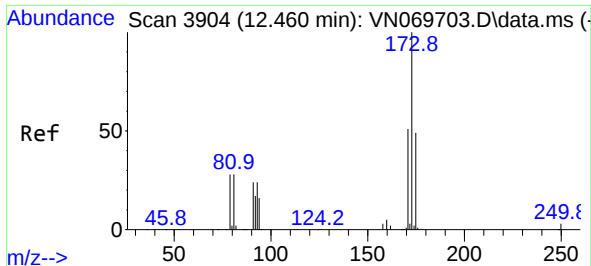
Tgt Ion: 95 Resp: 1225744
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 72.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion: 117 Resp: 2611644
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 32.0 25.4 38.2

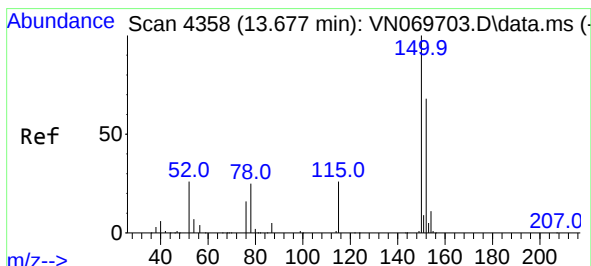
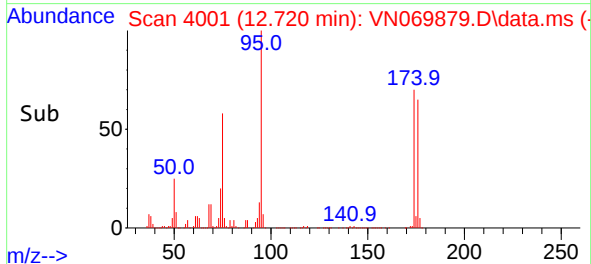
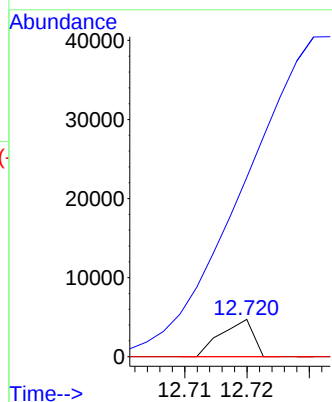
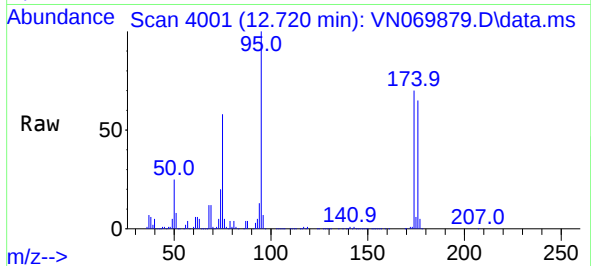




#71
Bromoform
Concen: 2.832 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

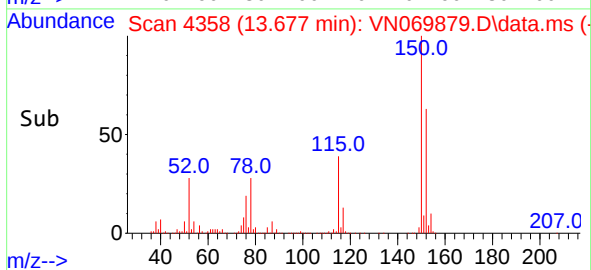
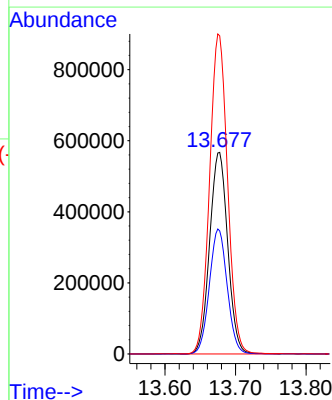
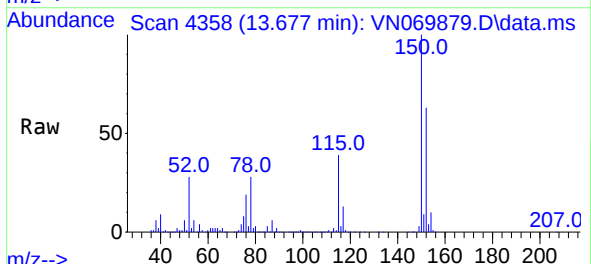
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL02

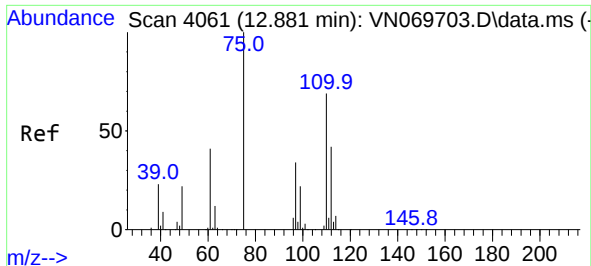
Tgt Ion:173 Resp: 1703
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion:152 Resp: 1010250
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 157.7 0.0 344.4

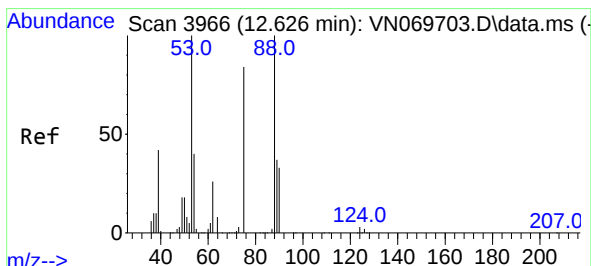
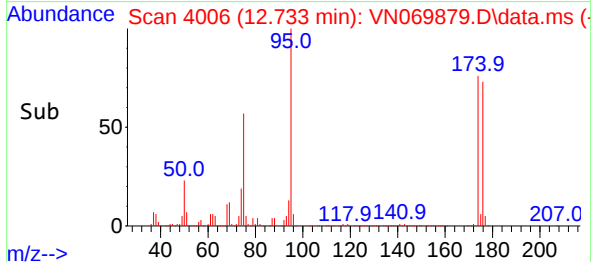
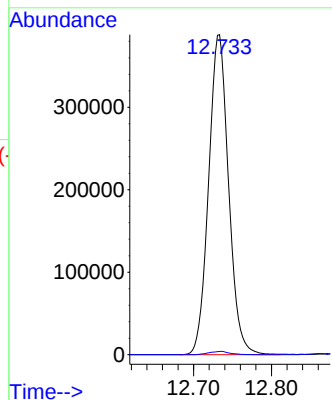
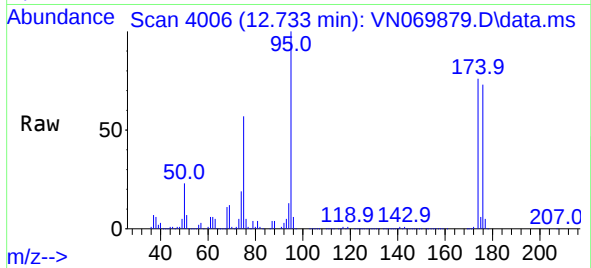




#76
1,2,3-Trichloropropane
Concen: 23.846 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

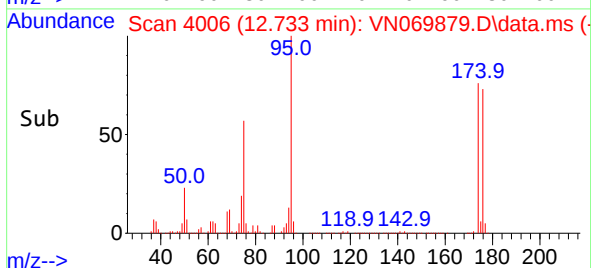
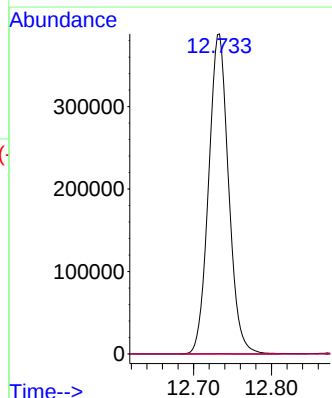
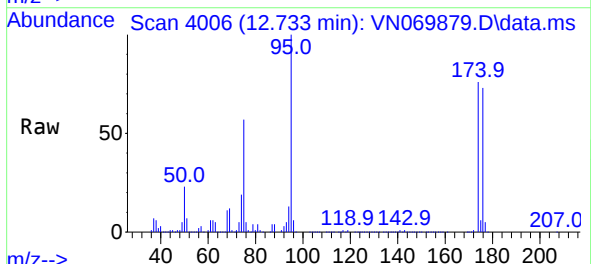
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL02

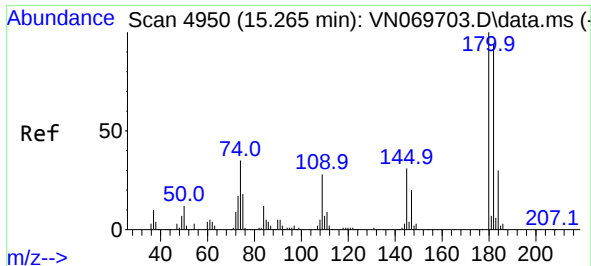
Tgt Ion: 75 Resp: 690845
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.766 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion: 75 Resp: 690845
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

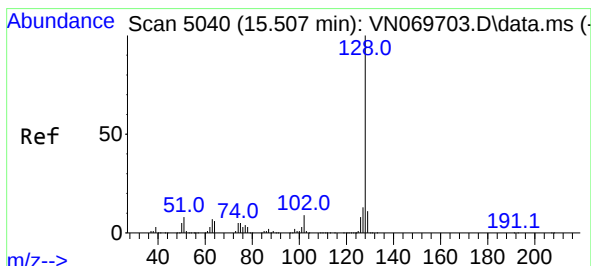
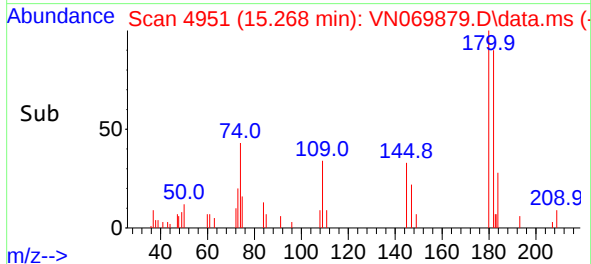
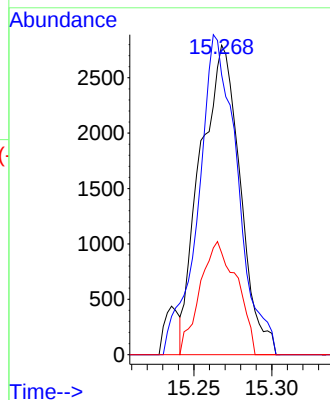
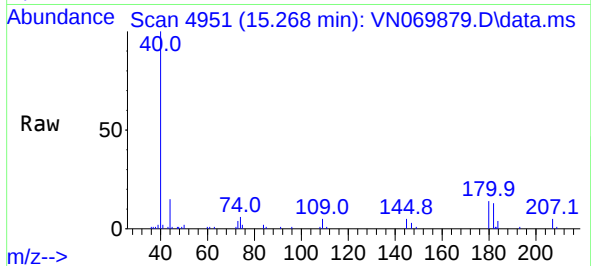




#93
1,2,4-Trichlorobenzene
Concen: 3.160 ug/l
RT: 15.268 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

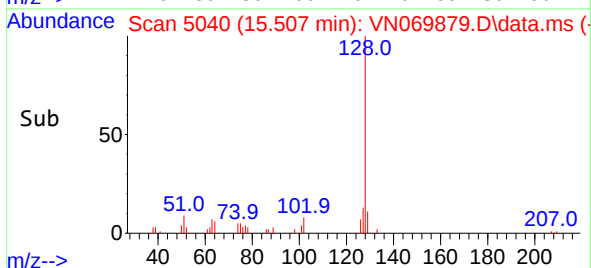
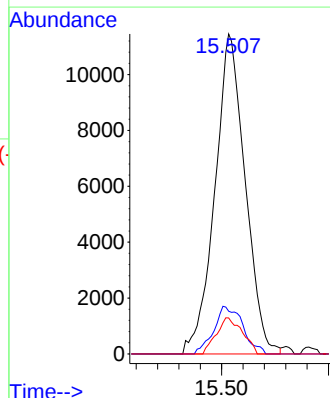
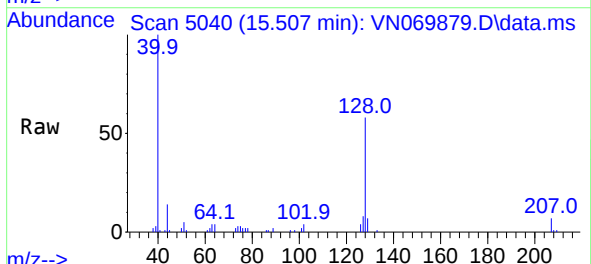
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL02

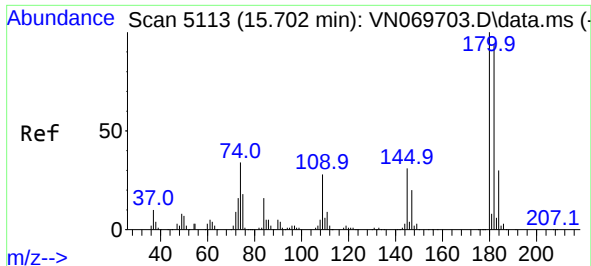
Tgt Ion:180	Resp:	4969
Ion Ratio	Lower	Upper
180	100	
182	101.7	48.3 144.9
145	33.9	14.5 43.5



#95
Naphthalene
Concen: 4.406 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069879.D
Acq: 8 Dec 2021 23:41

Tgt Ion:128	Resp:	22558
Ion Ratio	Lower	Upper
128	100	
127	14.3	10.5 15.7
129	9.7	8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 2.744 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN069879.D

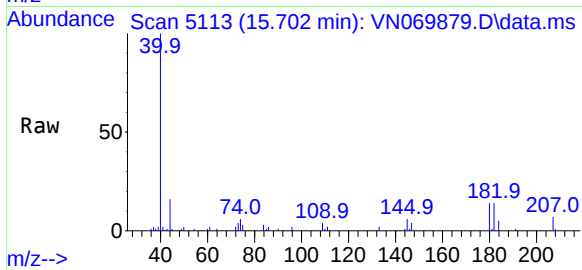
Acq: 8 Dec 2021 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBL02



Tgt Ion:180 Resp: 5240

Ion Ratio Lower Upper

180 100

182 55.6 47.4 142.2

145 41.0 15.0 45.1

