

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069853.D
 Acq On : 8 Dec 2021 11:36
 Operator : JC/MD
 Sample : VN1208MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208MBL01

Quant Time: Dec 09 11:34:46 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

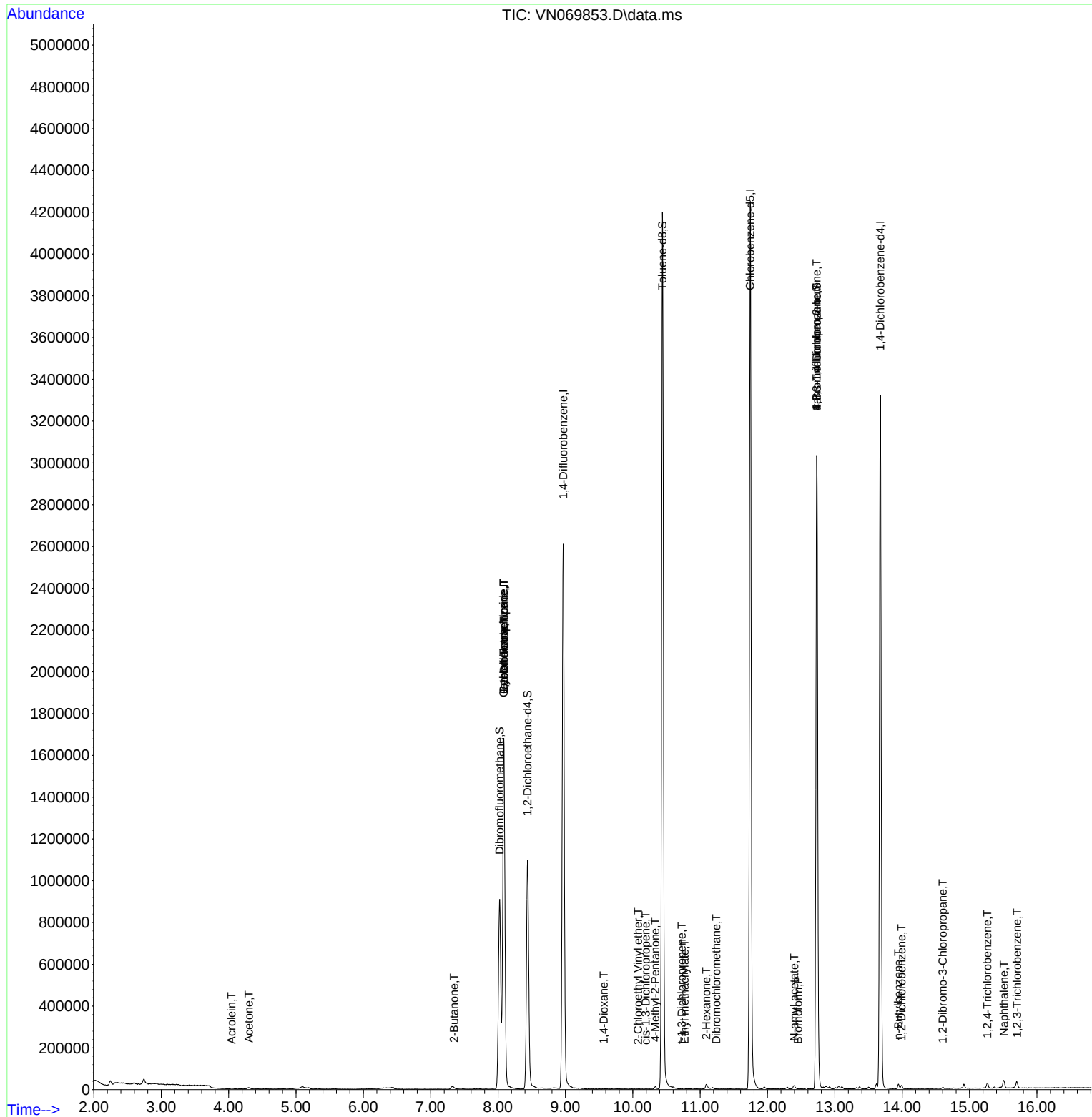
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1242983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2227467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2382527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	886783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	956663	49.848	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.700%
35) Dibromofluoromethane	8.024	113	665435	47.693	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.380%
50) Toluene-d8	10.440	98	2887898	51.548	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.100%
62) 4-Bromofluorobenzene	12.731	95	1092691	53.838	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.680%
Target Compounds						
					Qvalue	
13) Acrolein	4.041	56	1771	0.573	ug/l #	23
16) Acetone	4.299	43	9779	0.847	ug/l	90
25) 2-Butanone	7.345	43	4141	0.264	ug/l #	88
31) Cyclohexane	8.086	56	31823	1.192	ug/l #	27
36) 1,1-Dichloropropene	8.086	75	105112	4.957	ug/l #	48
38) Carbon Tetrachloride	8.083	117	127448	6.129	ug/l #	16
49) 1,4-Dioxane	9.571	88	386	0.987	ug/l #	12
51) 4-Methyl-2-Pentanone	10.333	43	10819	0.357	ug/l	91
53) t-1,3-Dichloropropene	10.727	75	387	2.808	ug/l	91
54) cis-1,3-Dichloropropene	10.191	75	159	2.004	ug/l #	67
56) Ethyl methacrylate	10.770	69	1971	2.342	ug/l #	53
58) 2-Chloroethyl Vinyl ether	10.081	63	52	18.395	ug/l #	45
59) 2-Hexanone	11.092	43	21629	0.944	ug/l	84
60) Dibromochloromethane	11.240	129	121	2.383	ug/l #	11
71) Bromoform	12.455	173	407	2.757	ug/l #	29
74) N-amyl acetate	12.396	43	12143	0.348	ug/l	96
76) 1,2,3-Trichloropropane	12.731	75	611064	24.028	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	611064	76.316	ug/l #	5
89) n-Butylbenzene	13.943	91	12429	0.257	ug/l	94
91) 1,2-Dichlorobenzene	13.991	146	5935	0.200	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.603	75	1433	0.291	ug/l	58
93) 1,2,4-Trichlorobenzene	15.265	180	8824	3.449	ug/l	93
95) Naphthalene	15.509	128	33940	4.706	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	10882	3.166	ug/l	77

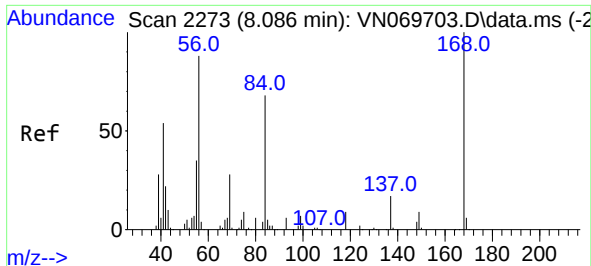
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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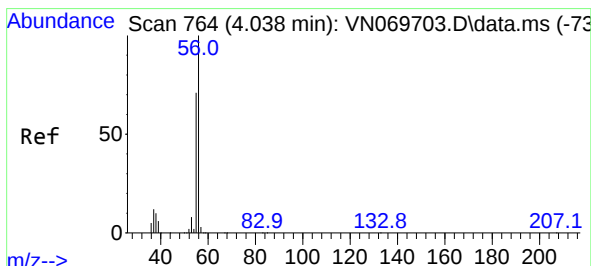
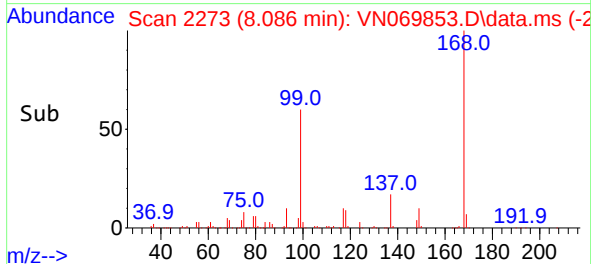
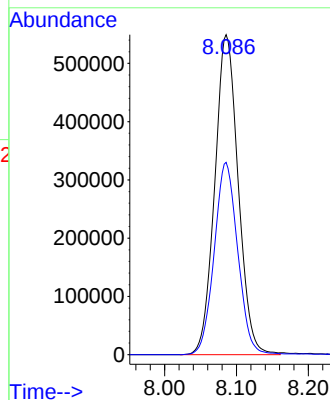
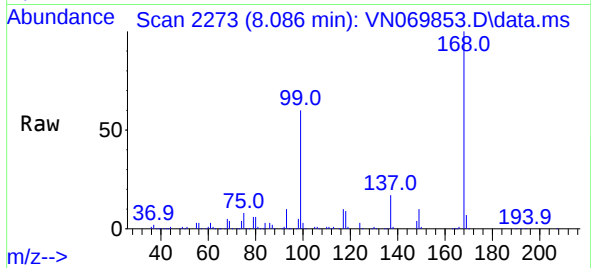




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

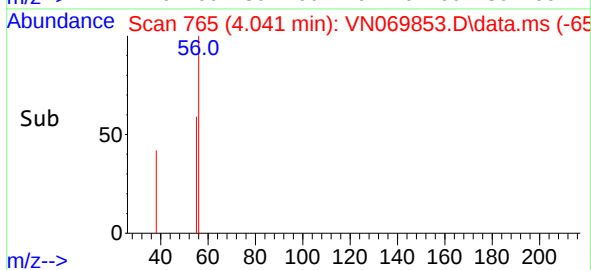
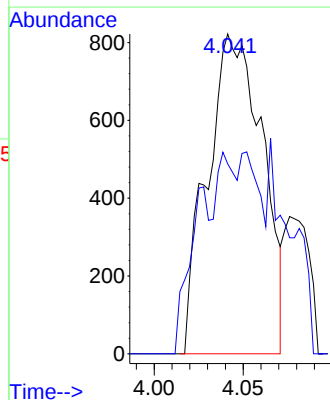
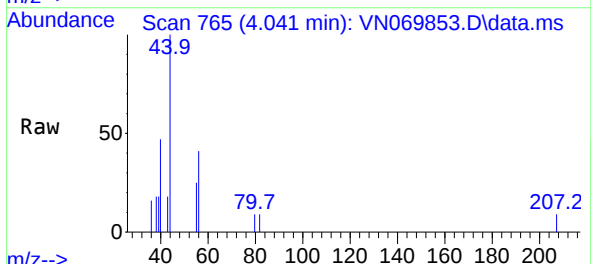
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

Tgt Ion:168 Resp: 1242983
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9



#13
Acrolein
Concen: 0.573 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion: 56 Resp: 1771
Ion Ratio Lower Upper
56 100
55 7.3 56.6 85.0#

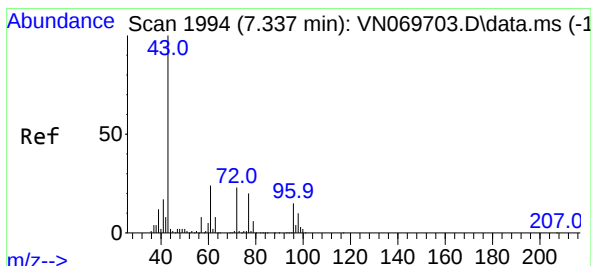
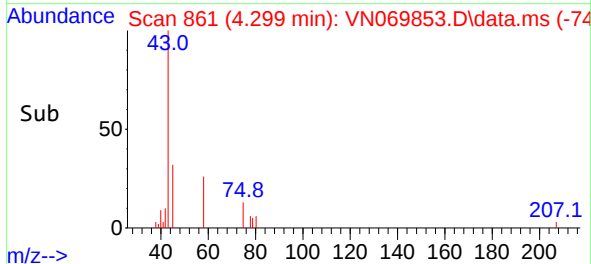
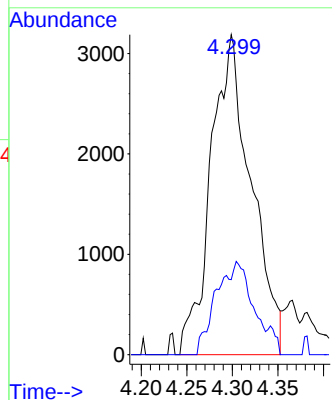
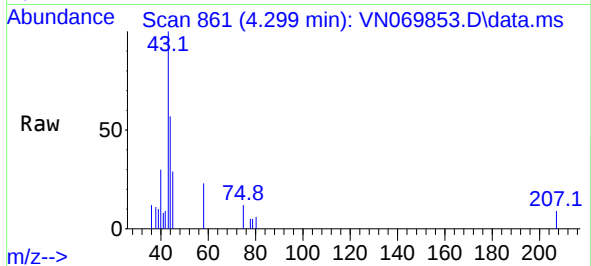




#16
Acetone
Concen: 0.847 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.008 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

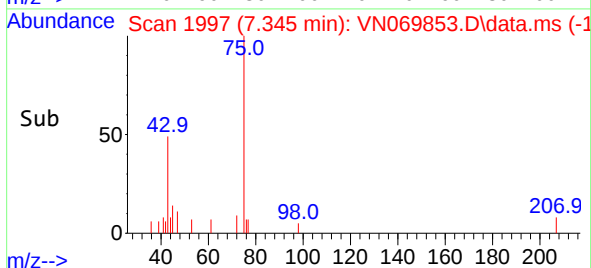
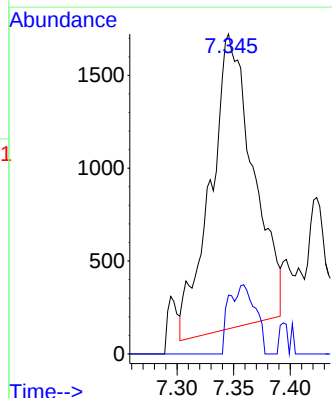
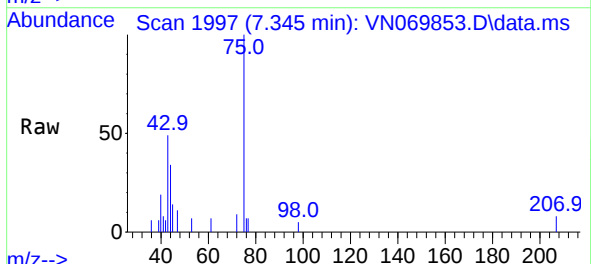
Instrument :
MSVOA_N
ClientSampleId :
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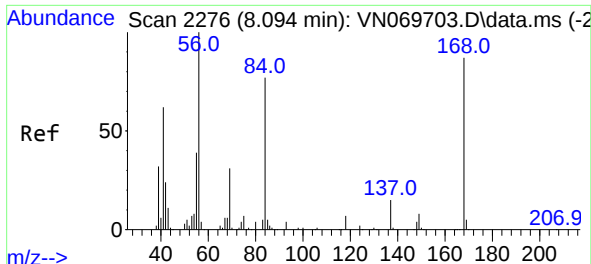
Tgt Ion: 43 Resp: 9779
Ion Ratio Lower Upper
43 100
58 23.4 23.1 34.7



#25
2-Butanone
Concen: 0.264 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

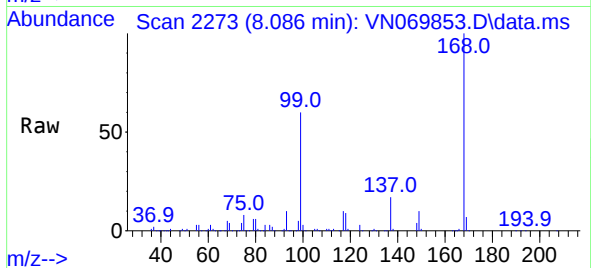
Tgt Ion: 43 Resp: 4141
Ion Ratio Lower Upper
43 100
72 20.9 21.7 32.5#



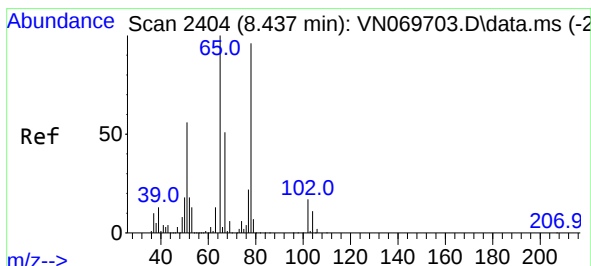
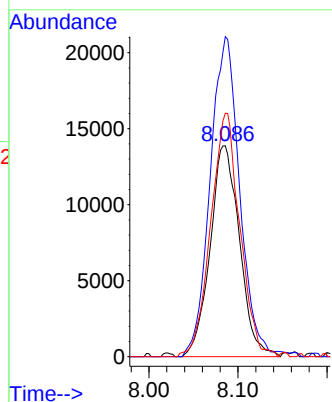
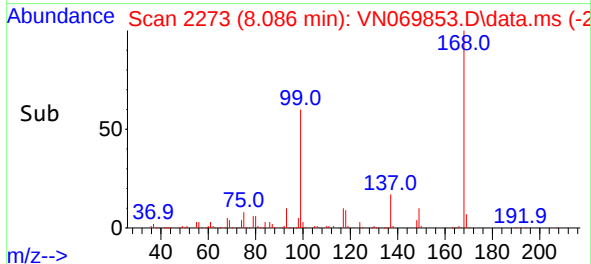


#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

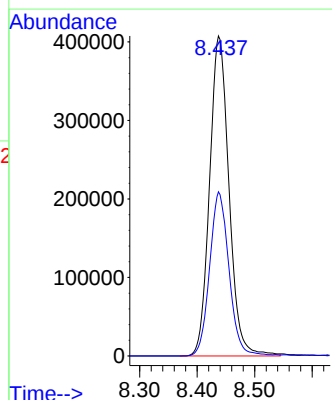
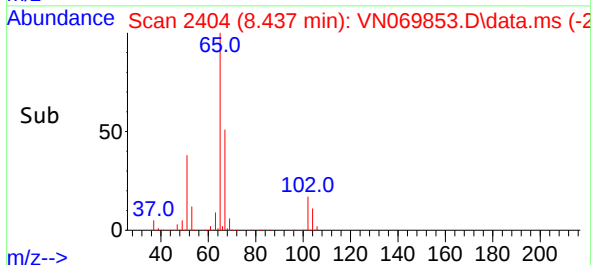
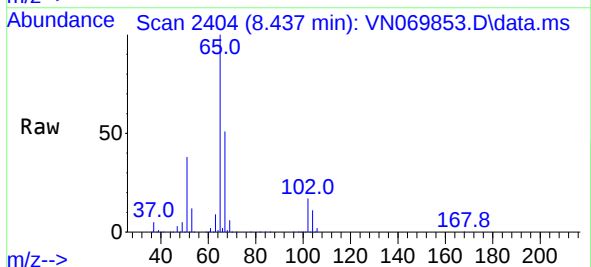


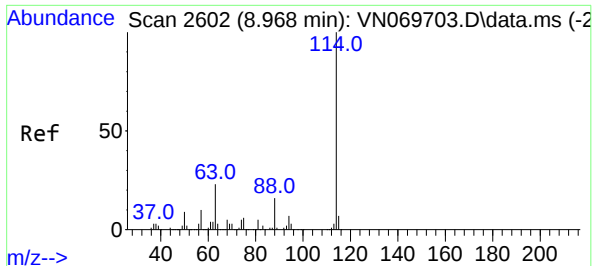
Tgt Ion: 56 Resp: 31823
Ion Ratio Lower Upper
56 100
69 151.7 27.1 40.7#
84 114.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.848 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion: 65 Resp: 956663
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0

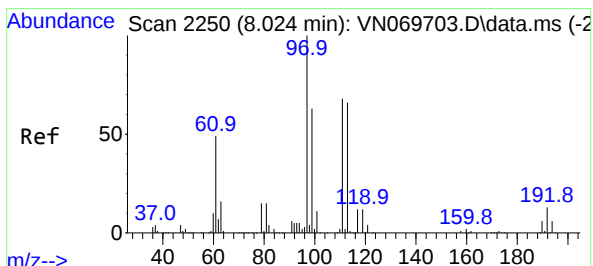
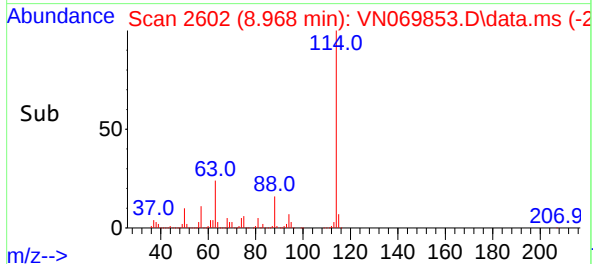
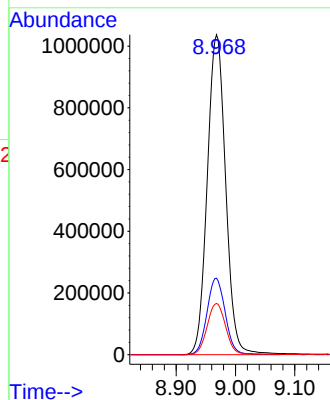
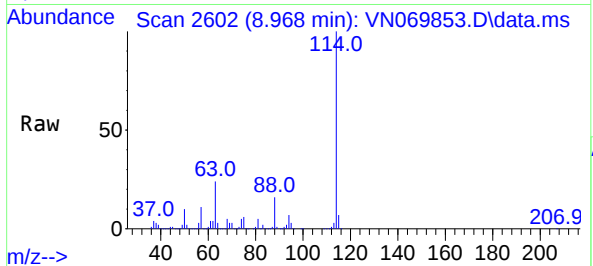




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

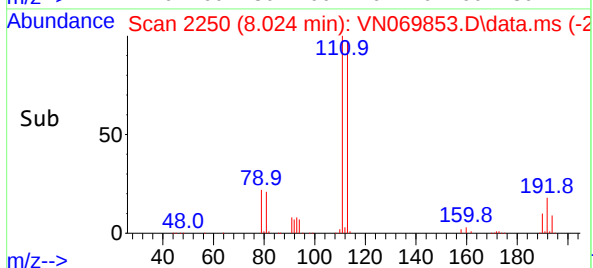
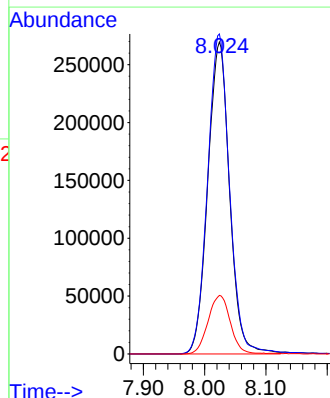
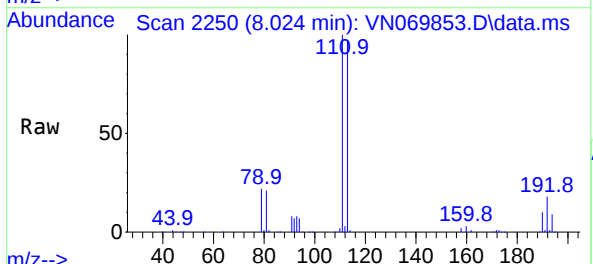
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MSVOA_N
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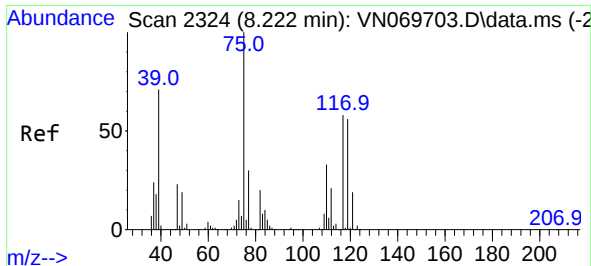
Tgt Ion:114 Resp: 2227467
Ion Ratio Lower Upper
114 100
63 23.9 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.693 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion:113 Resp: 665435
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 19.2 16.9 25.3

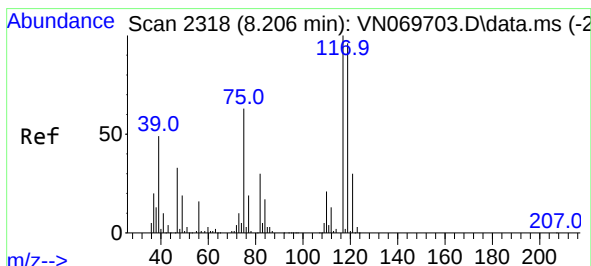
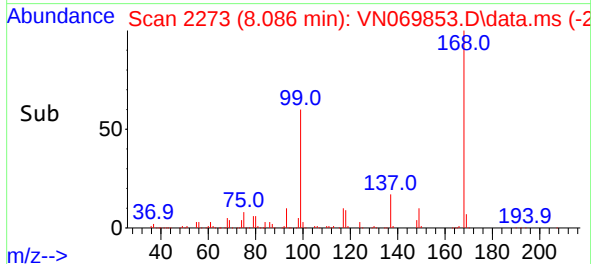
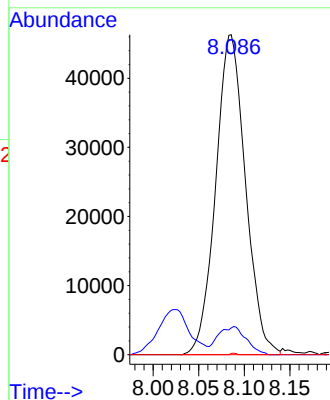
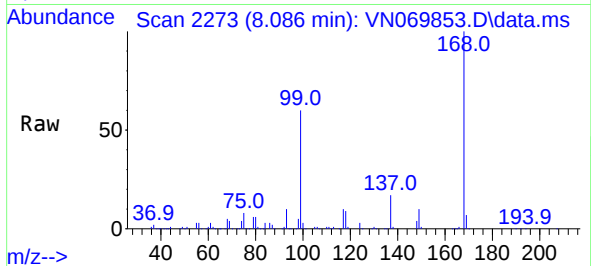




#36
1,1-Dichloropropene
Concen: 4.957 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

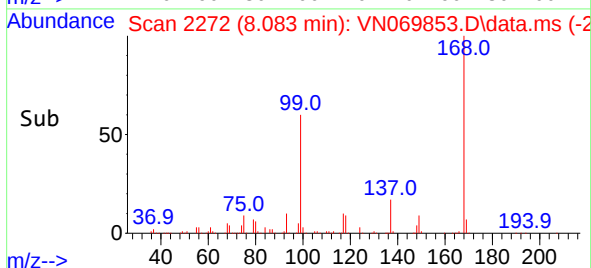
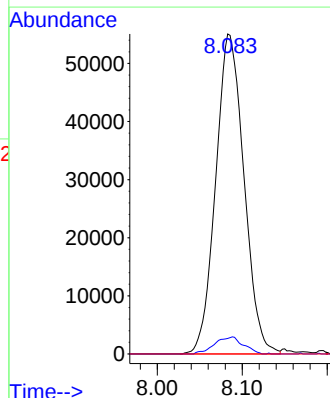
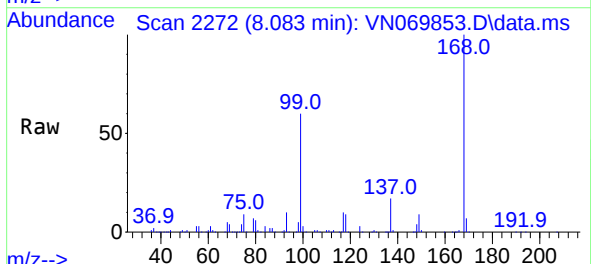
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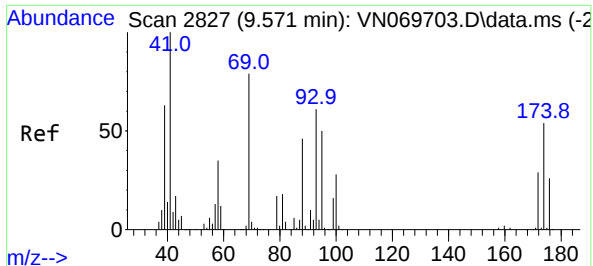
Tgt Ion: 75 Resp: 105112
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.1 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.129 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion: 117 Resp: 127448
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#

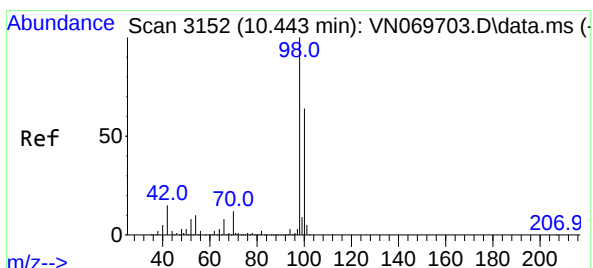
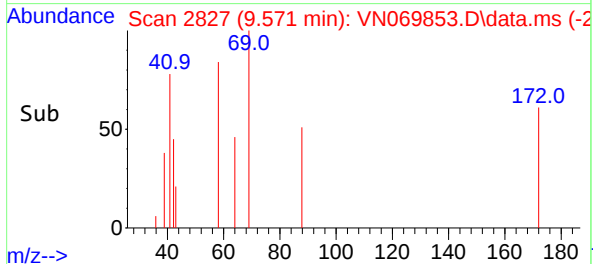
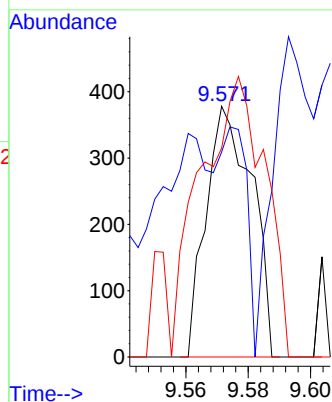
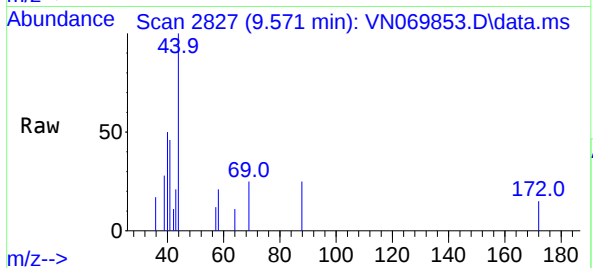




#49
1,4-Dioxane
Concen: 0.987 ug/l
RT: 9.571 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

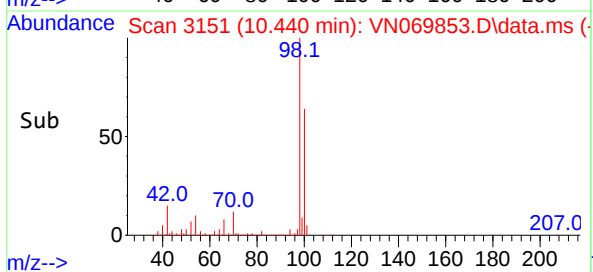
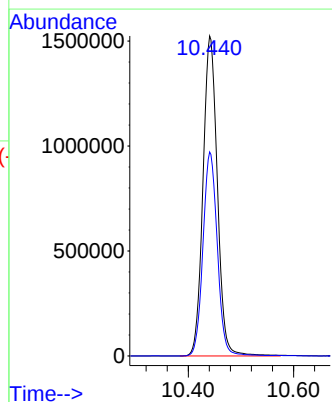
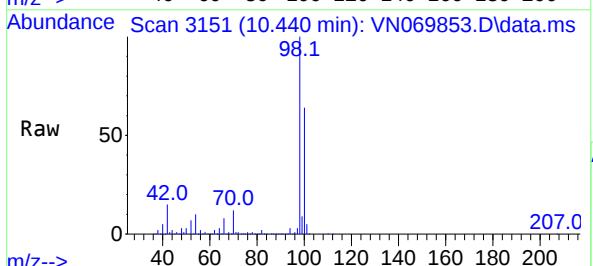
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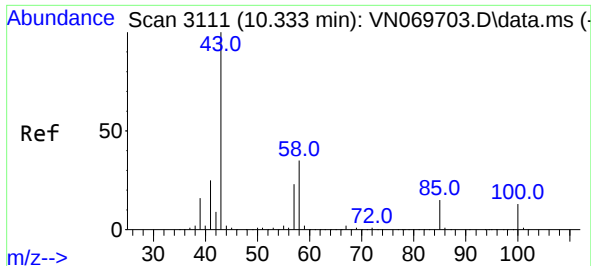
Tgt Ion: 88 Resp: 386
Ion Ratio Lower Upper
88 100
43 39.9 23.4 35.2#
58 156.7 50.6 75.8#



#50
Toluene-d8
Concen: 51.548 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion: 98 Resp: 2887898
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6

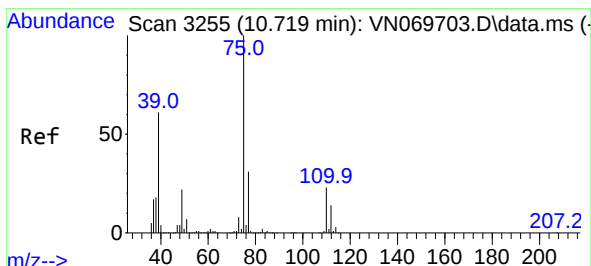
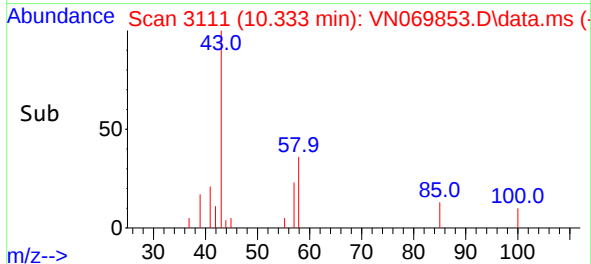
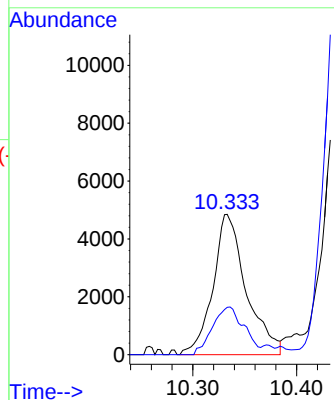
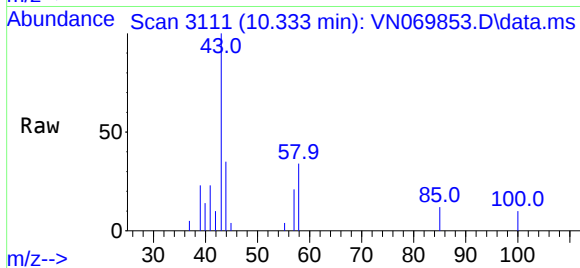




#51
4-Methyl-2-Pentanone
Concen: 0.357 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

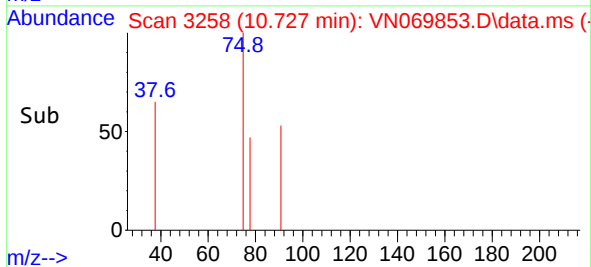
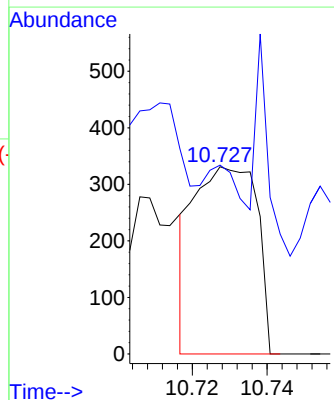
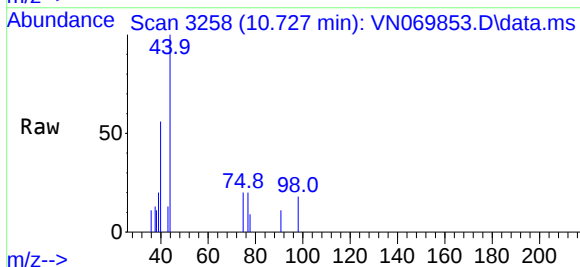
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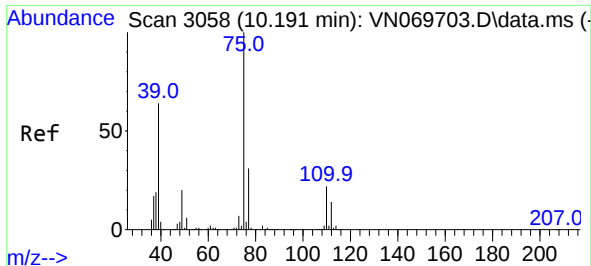
Tgt Ion: 43 Resp: 10819
Ion Ratio Lower Upper
43 100
58 32.4 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.808 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.008 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion: 75 Resp: 387
Ion Ratio Lower Upper
75 100
77 36.9 25.6 38.4

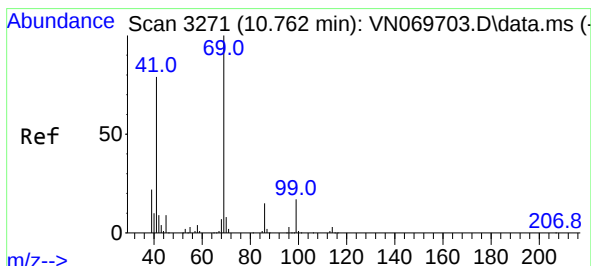
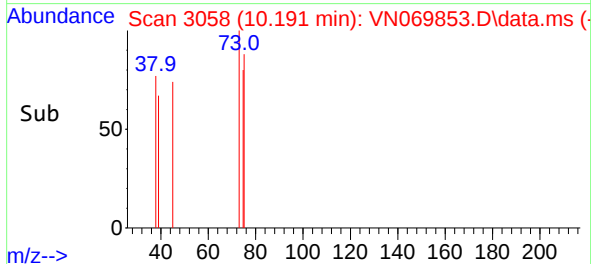
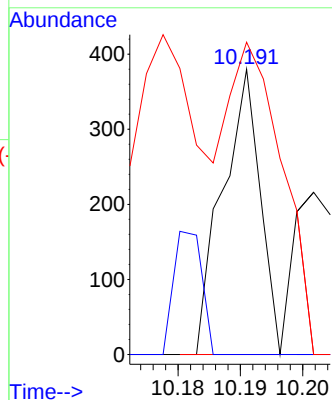
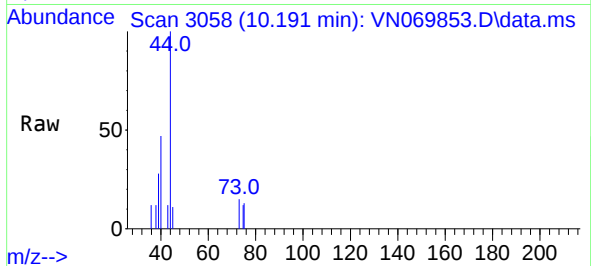




#54
 cis-1,3-Dichloropropene
 Concen: 2.004 ug/l
 RT: 10.191 min Scan# 3058
 Delta R.T. 0.000 min
 Lab File: VN069853.D
 Acq: 8 Dec 2021 11:36

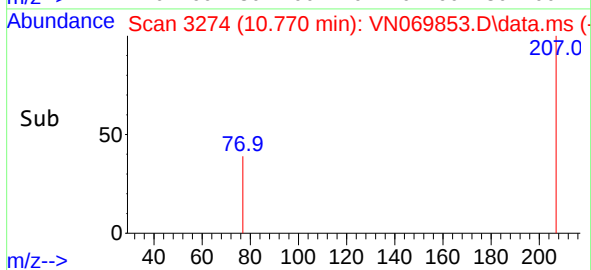
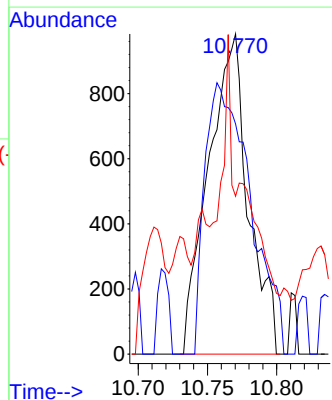
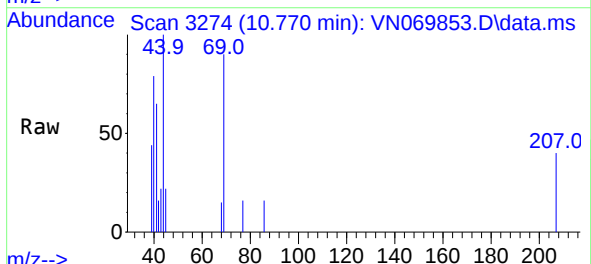
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208MBL01

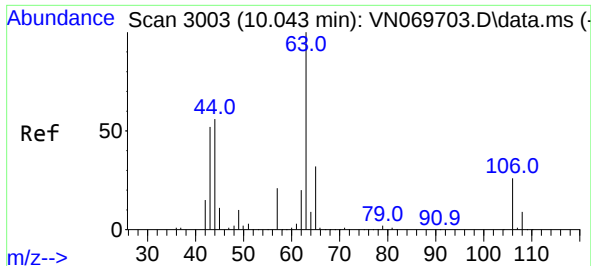
Tgt Ion:	75	Resp:	159
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.4	39.6#
39	40.8	42.5	63.7#



#56
 Ethyl methacrylate
 Concen: 2.342 ug/l
 RT: 10.770 min Scan# 3274
 Delta R.T. 0.008 min
 Lab File: VN069853.D
 Acq: 8 Dec 2021 11:36

Tgt Ion:	69	Resp:	1971
Ion	Ratio	Lower	Upper
69	100		
41	97.2	51.4	77.0#
39	8.8	34.6	52.0#

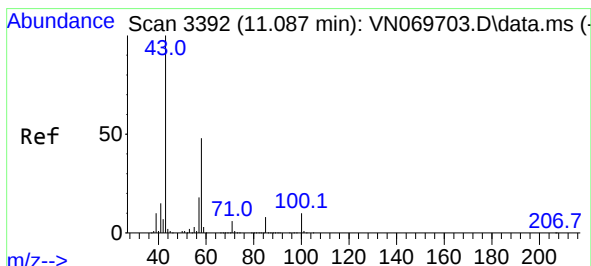
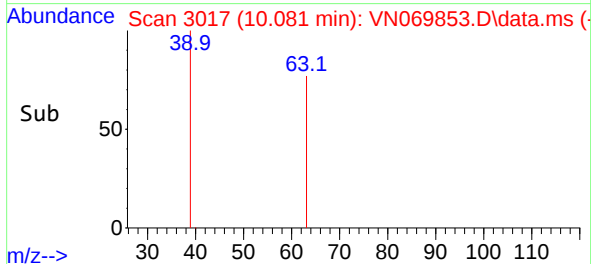
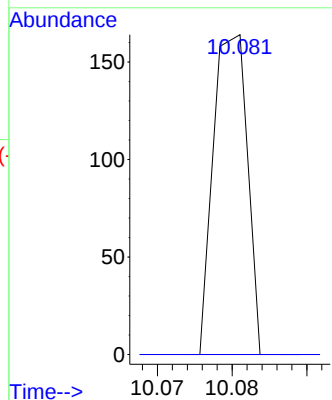
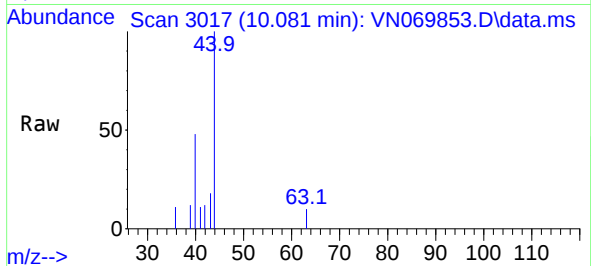




#58
2-Chloroethyl Vinyl ether
Concen: 18.395 ug/l
RT: 10.081 min Scan# 3003
Delta R.T. 0.038 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

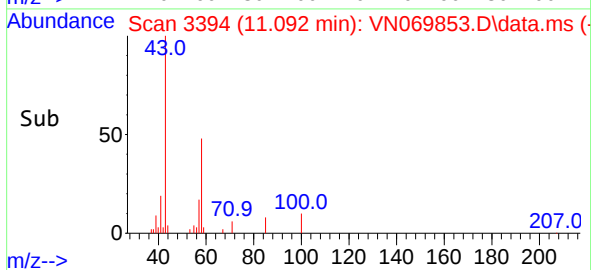
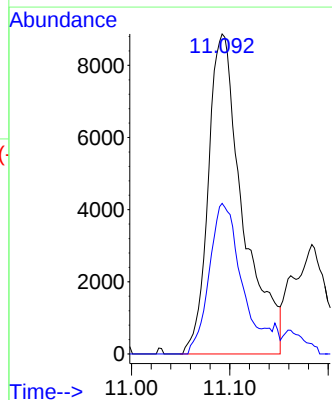
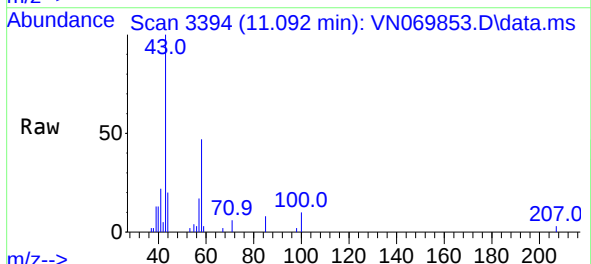
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

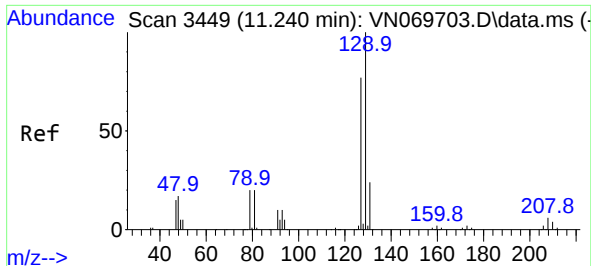
Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.944 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion: 43 Resp: 21629
Ion Ratio Lower Upper
43 100
58 42.5 26.9 80.7

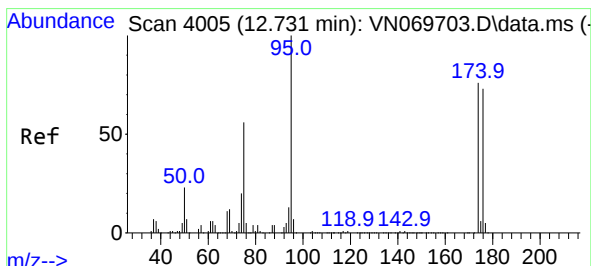
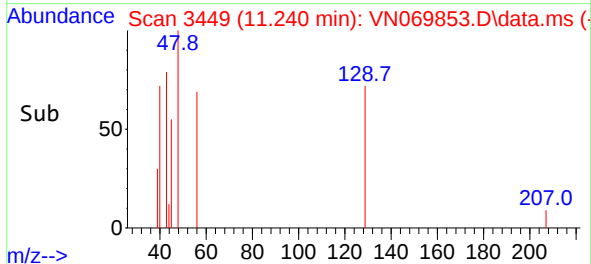
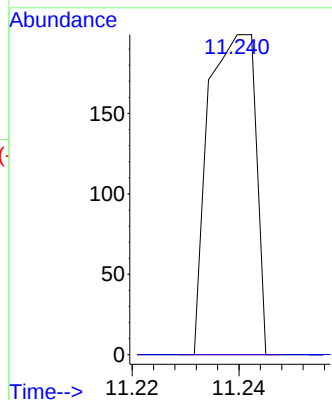
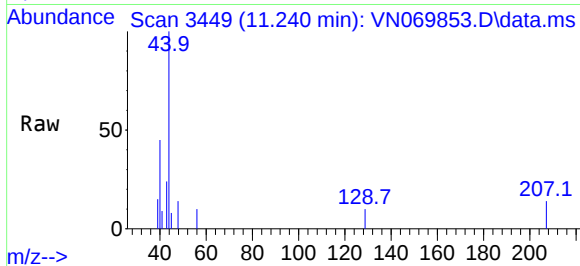




#60
Dibromochloromethane
Concen: 2.383 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

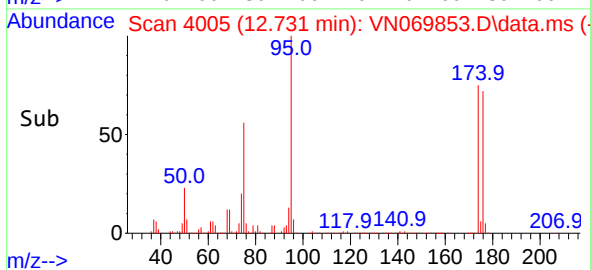
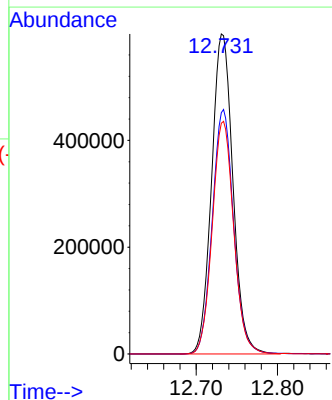
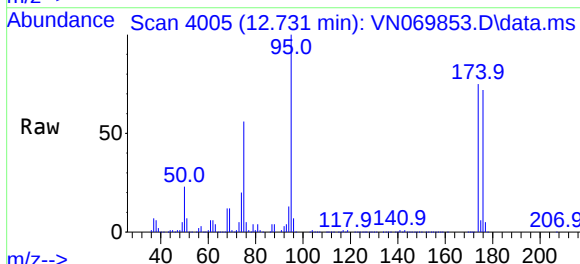
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

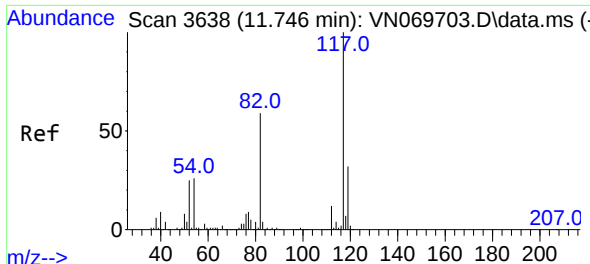
Tgt Ion:129 Resp: 121
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 53.838 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion: 95 Resp: 1092691
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 73.2 0.0 181.4

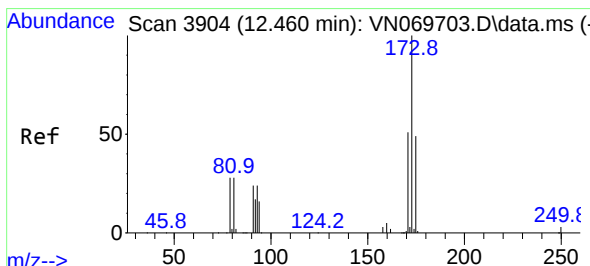
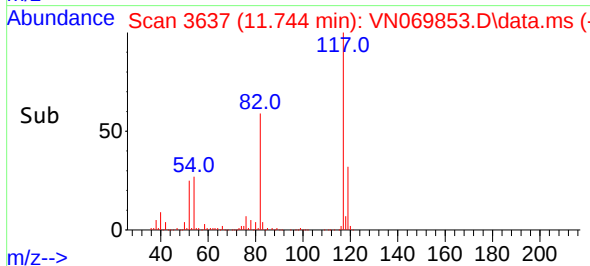
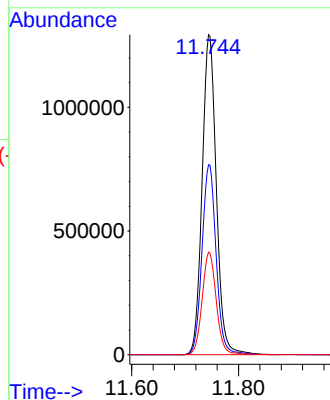
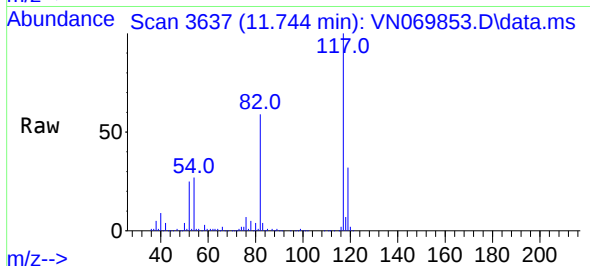




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

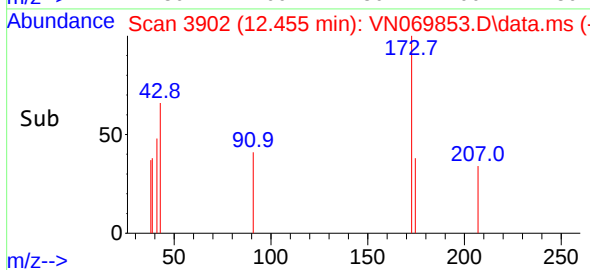
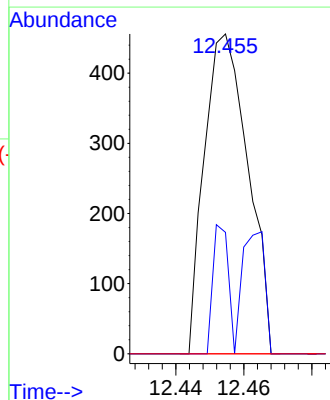
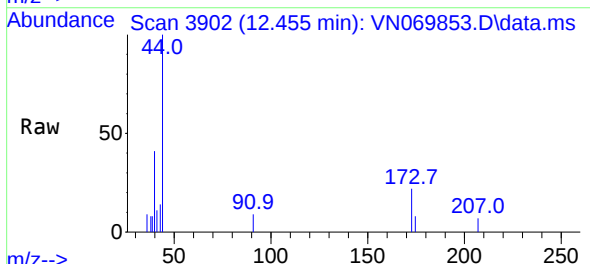
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

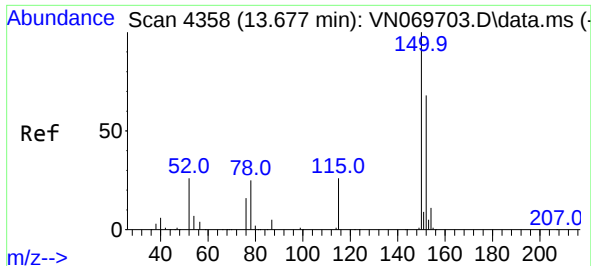
Tgt Ion:117 Resp: 2382527
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 32.0 25.4 38.2



#71
Bromoform
Concen: 2.757 ug/l
RT: 12.455 min Scan# 3902
Delta R.T. -0.005 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion:173 Resp: 407
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

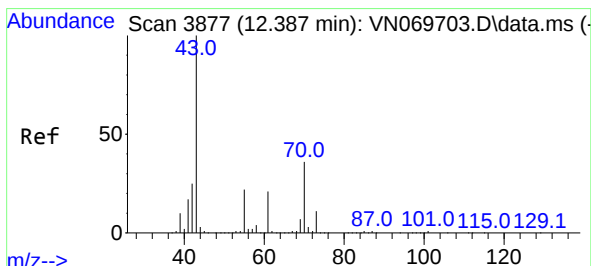
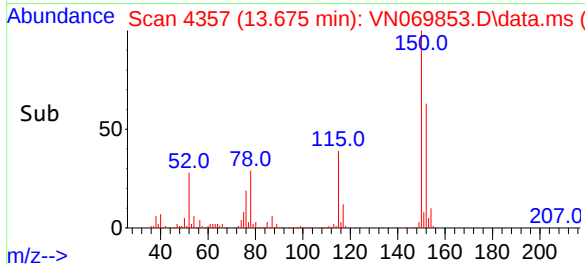
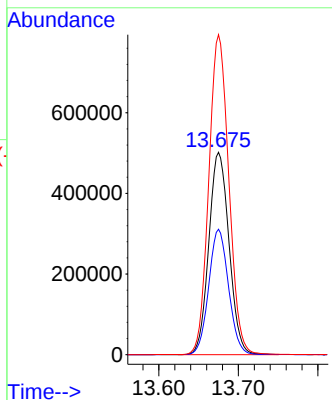
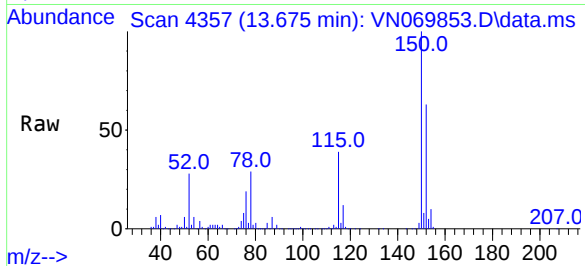




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

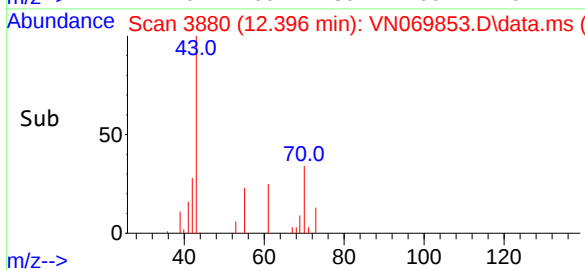
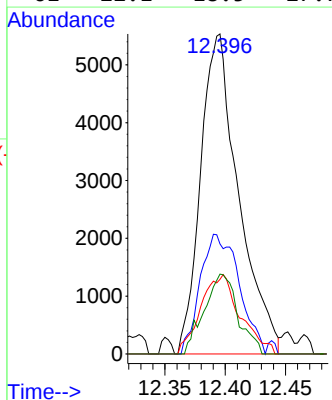
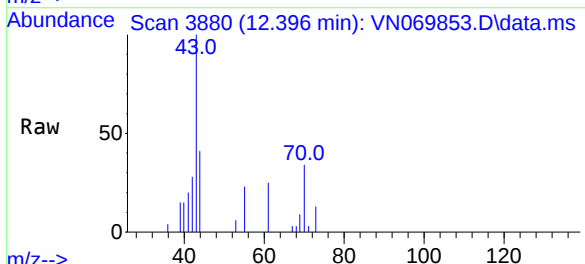
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

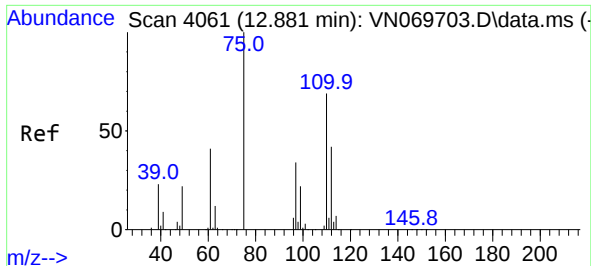
Tgt Ion:152 Resp: 886783
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 156.3 0.0 344.4



#74
N-ethyl acetate
Concen: 0.348 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.008 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion: 43 Resp: 12143
Ion Ratio Lower Upper
43 100
70 38.4 33.4 50.0
55 25.7 19.3 28.9
61 22.1 18.5 27.7

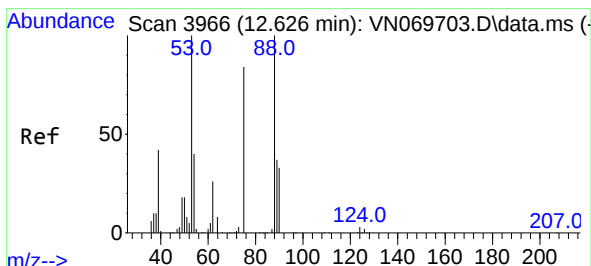
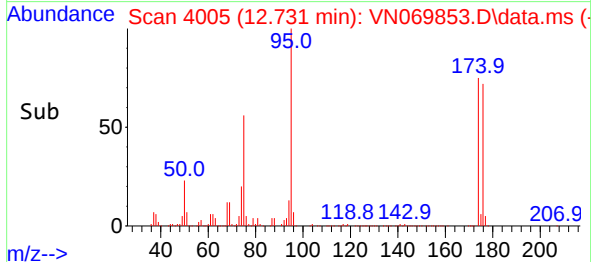
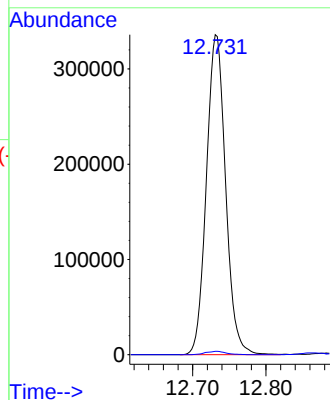
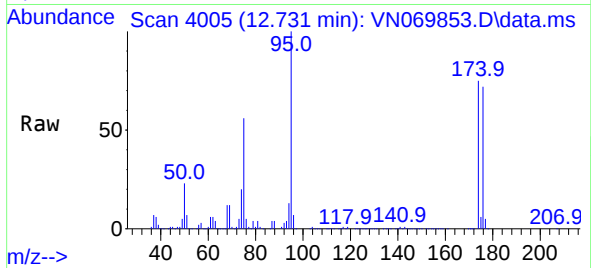




#76
1,2,3-Trichloropropane
Concen: 24.028 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

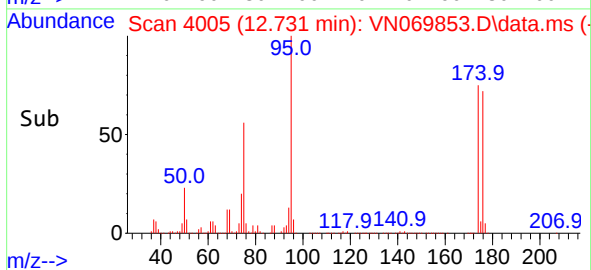
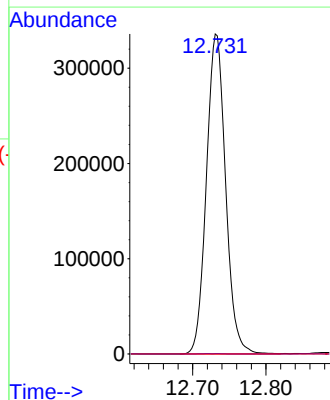
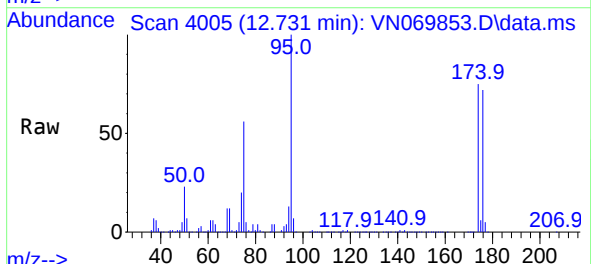
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

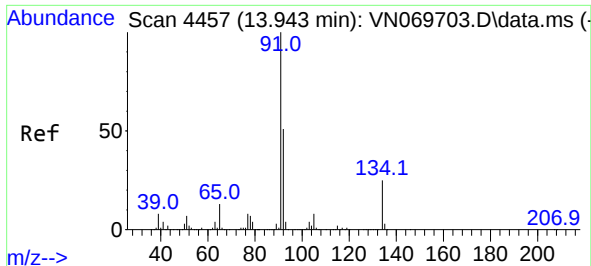
Tgt Ion: 75 Resp: 611064
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.316 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion: 75 Resp: 611064
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

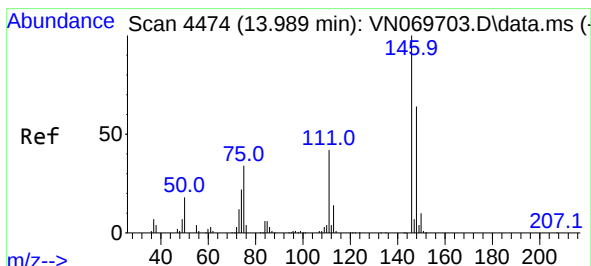
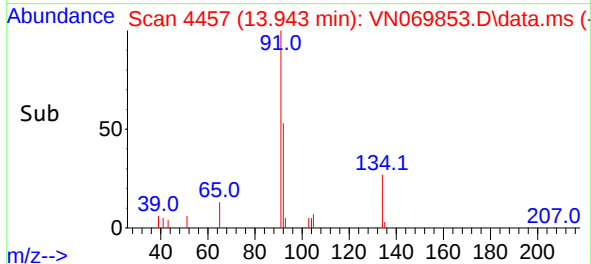
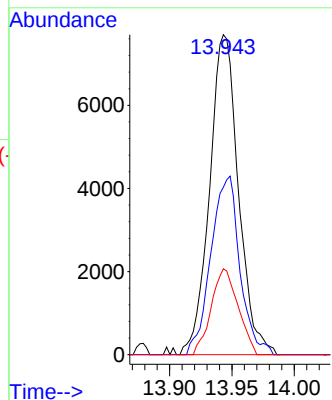
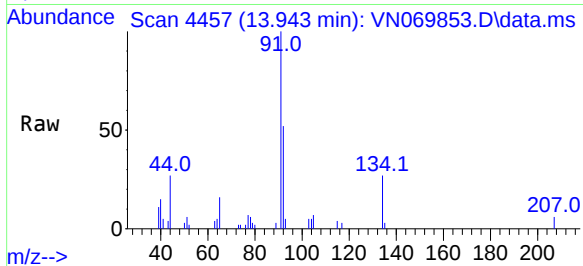




#89
n-Butylbenzene
Concen: 0.257 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

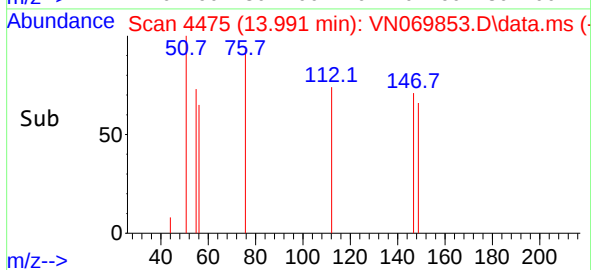
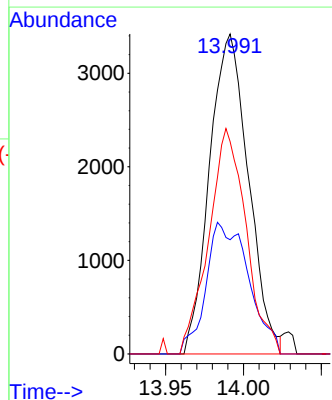
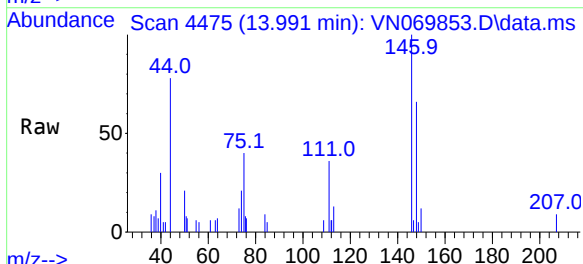
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

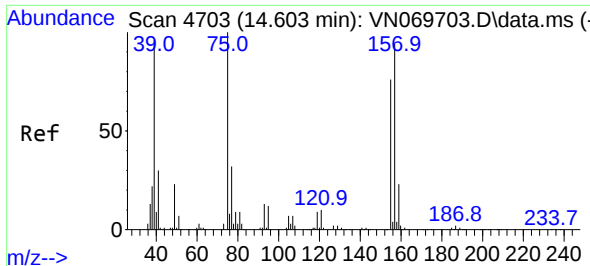
Tgt Ion: 91	Resp:	12429	
Ion Ratio	Lower	Upper	
91	100		
92	55.9	25.4	76.0
134	24.8	13.6	40.8



#91
1,2-Dichlorobenzene
Concen: 0.200 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion:146	Resp:	5935	
Ion	Ratio	Lower	Upper
146	100		
111	25.3	19.1	57.3
148	67.5	32.1	96.3

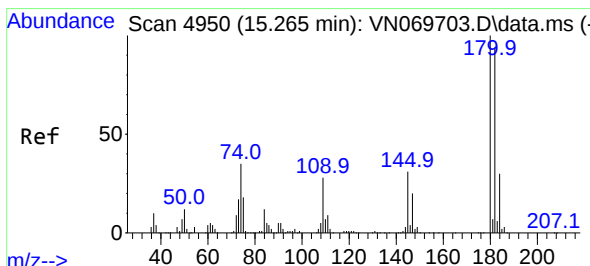
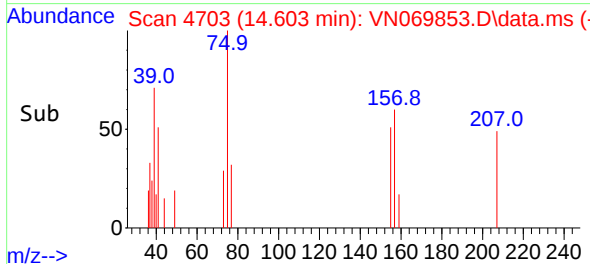
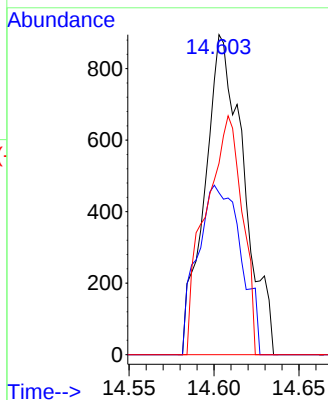
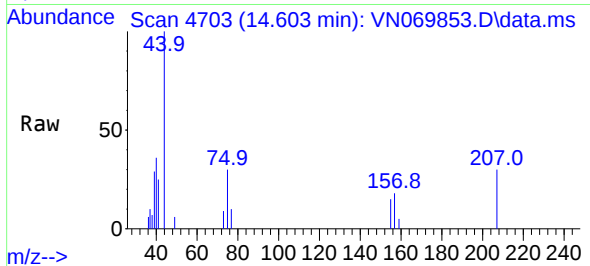




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.291 ug/l
RT: 14.603 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

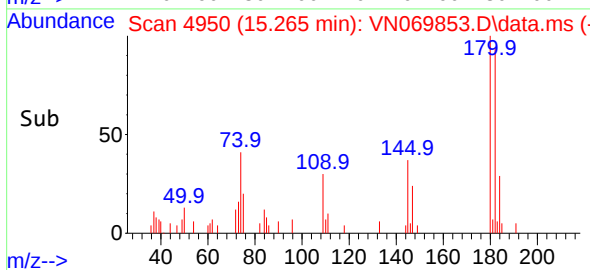
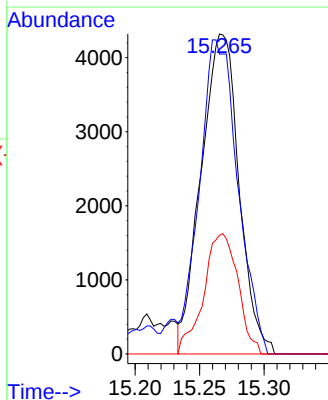
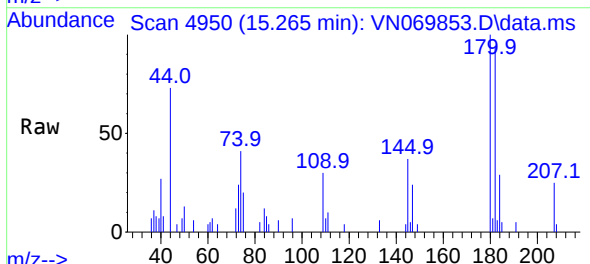
Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

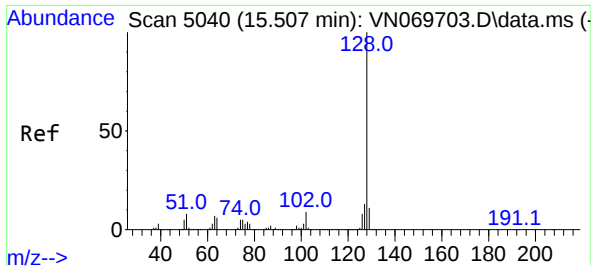
Tgt Ion: 75 Resp: 1433
Ion Ratio Lower Upper
75 100
155 59.0 46.9 140.7
157 70.0 60.6 181.7



#93
1,2,4-Trichlorobenzene
Concen: 3.449 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion:180 Resp: 8824
Ion Ratio Lower Upper
180 100
182 103.0 48.3 144.9
145 34.1 14.5 43.5

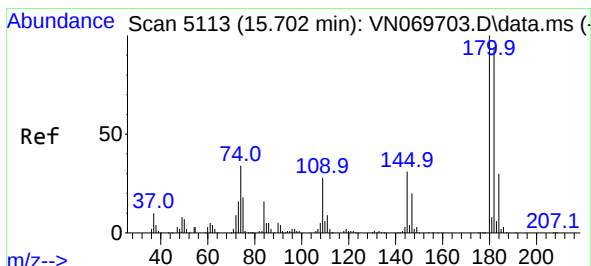
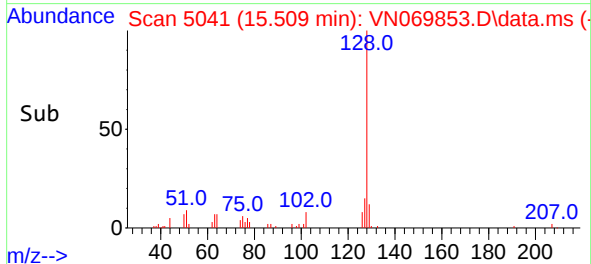
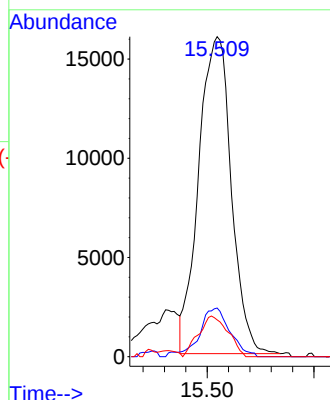
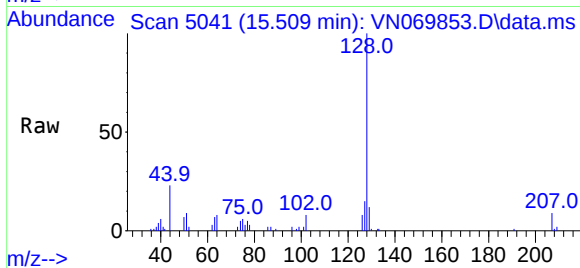




#95
Naphthalene
Concen: 4.706 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN1208MBL01

Tgt Ion:128	Resp:	33940
Ion Ratio	Lower	Upper
128	100	
127	14.4	10.5 15.7
129	11.6	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.166 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069853.D
Acq: 8 Dec 2021 11:36

Tgt Ion:180	Resp:	10882
Ion Ratio	Lower	Upper
180	100	
182	119.2	47.4 142.2
145	38.1	15.0 45.1

