

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069830.D
 Acq On : 7 Dec 2021 23:02
 Operator : JC/MD
 Sample : VN1207WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBL02

Quant Time: Dec 08 04:41:34 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)

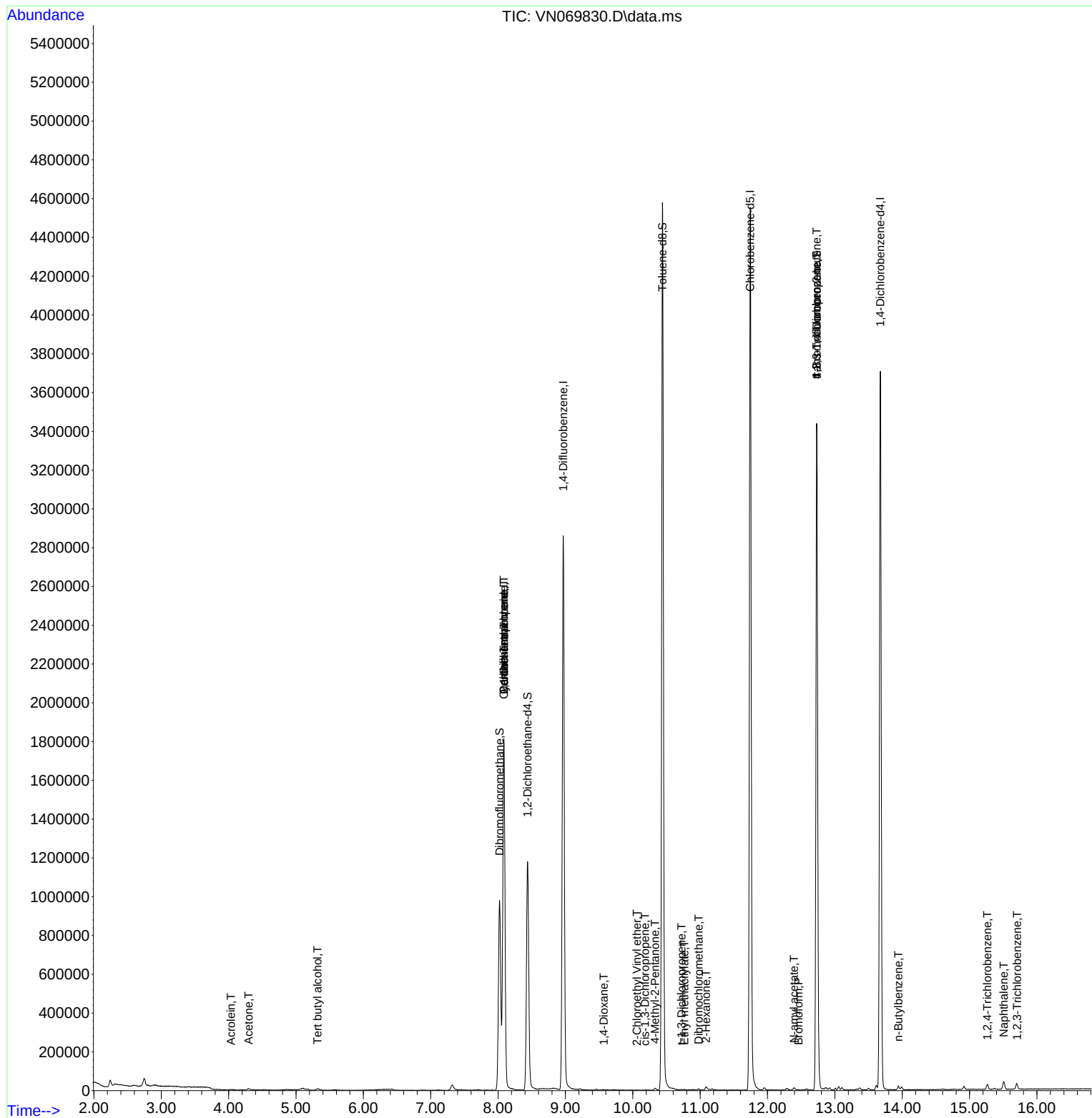
Internal Standards						
1) Pentafluorobenzene	8.086	168	1339778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2404084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2548608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	992630	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1039070	50.23	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.46%			
35) Dibromofluoromethane	8.021	113	714041	47.42	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.84%			
50) Toluene-d8	10.440	98	3098257	51.24	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.48%			
62) 4-Bromofluorobenzene	12.731	95	1200225	54.79	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.58%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.318	59	3393	0.87	ug/l #	75
13) Acrolein	4.036	56	1184	0.36	ug/l #	14
16) Acetone	4.296	43	9760	0.78	ug/l	91
31) Cyclohexane	8.088	56	34012	1.18	ug/l #	16
36) 1,1-Dichloropropene	8.086	75	115982	5.07	ug/l #	49
38) Carbon Tetrachloride	8.086	117	136672	6.09	ug/l #	16
49) 1,4-Dioxane	9.571	88	399	0.95	ug/l #	27
51) 4-Methyl-2-Pentanone	10.328	43	8658	0.26	ug/l	92
53) t-1,3-Dichloropropene	10.722	75	954	2.83	ug/l #	63
54) cis-1,3-Dichloropropene	10.183	75	497	2.01	ug/l #	68
56) Ethyl methacrylate	10.768	69	1614	2.33	ug/l #	68
58) 2-Chloroethyl Vinyl ether	10.059	63	107	18.40	ug/l #	45
59) 2-Hexanone	11.087	43	16829	0.68	ug/l #	53
60) Dibromochloromethane	10.979	129	1180	2.44	ug/l #	11
71) Bromoform	12.463	173	409	2.76	ug/l #	29
74) N-amyl acetate	12.393	43	8905	0.23	ug/l #	84
76) 1,2,3-Trichloropropane	12.731	75	673619	23.66	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	673619	75.22	ug/l #	5
89) n-Butylbenzene	13.943	91	11482	0.21	ug/l	95
93) 1,2,4-Trichlorobenzene	15.262	180	8026	3.34	ug/l	99
95) Naphthalene	15.507	128	37627	4.70	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	10082	3.04	ug/l	97

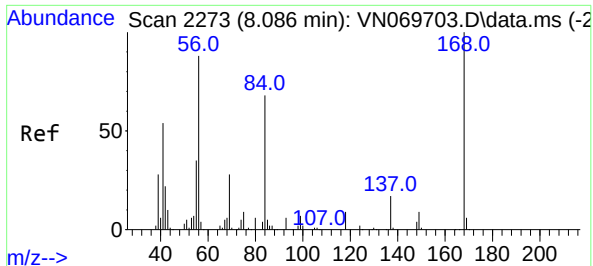
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
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VN1207WBL02

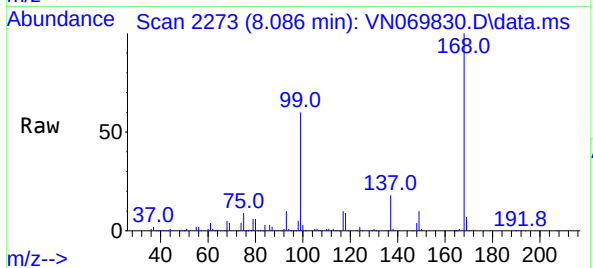
Quant Time: Dec 08 04:41:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



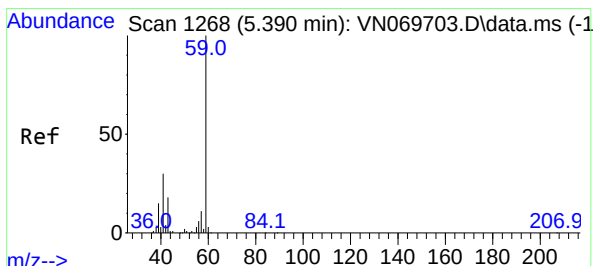
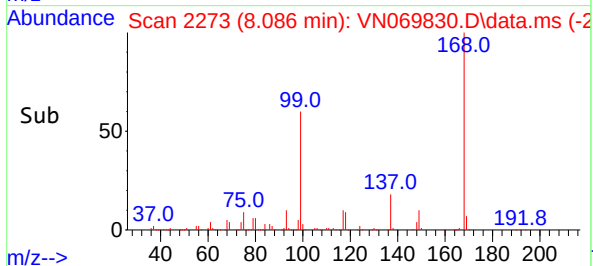
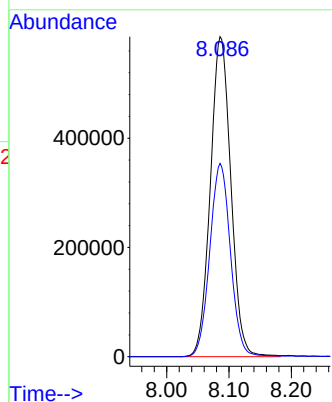


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL02

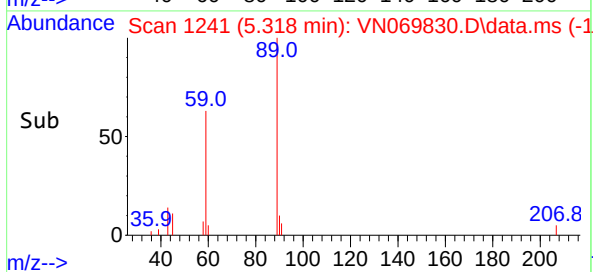
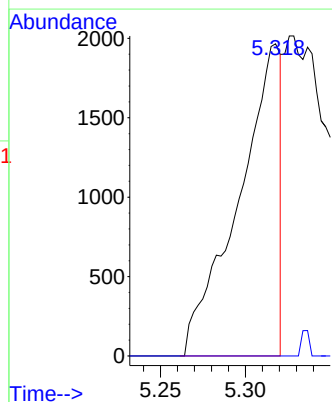
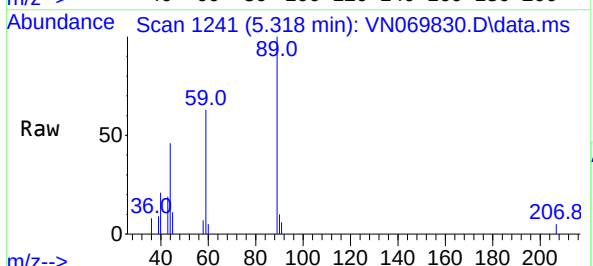


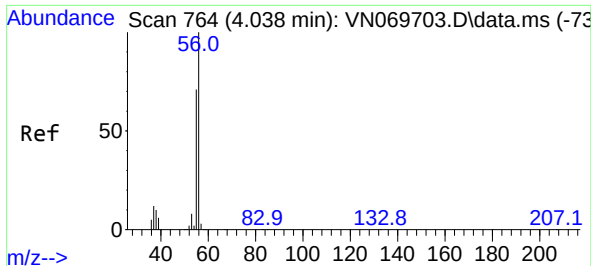
Tgt Ion:168 Resp: 1339778
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.87 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.072 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion: 59 Resp: 3393
Ion Ratio Lower Upper
59 100
57 1.5 8.7 13.1#

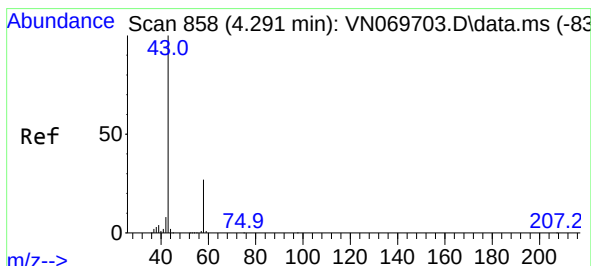
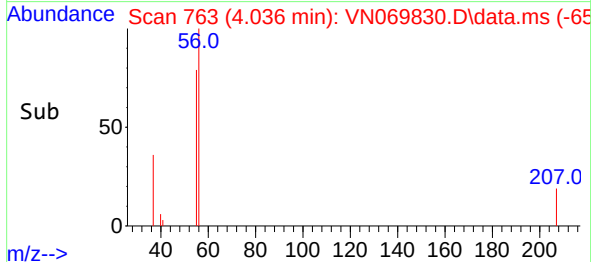
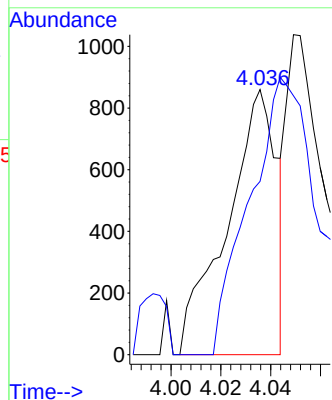
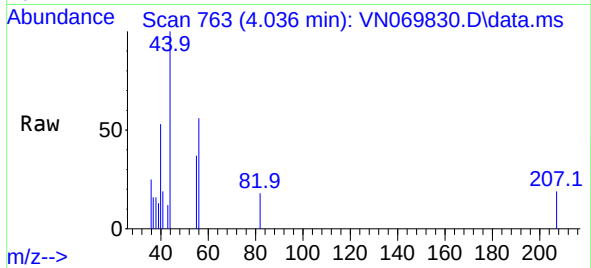




#13
Acrolein
Concen: 0.36 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

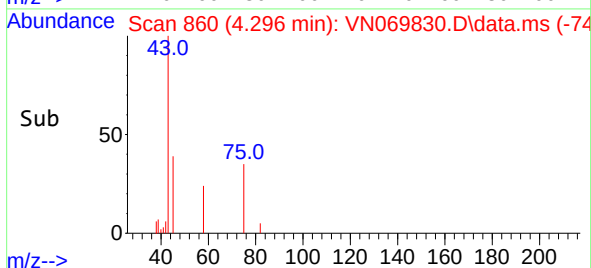
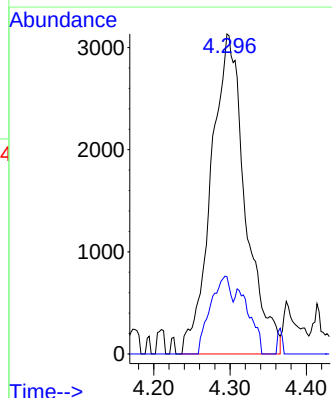
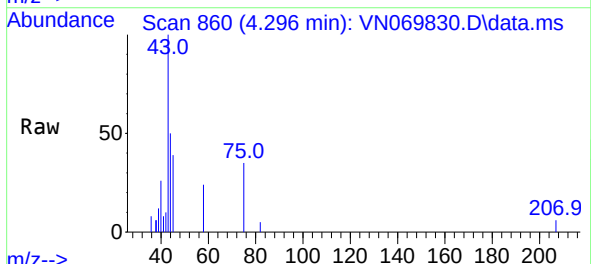
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MSVOA_N
ClientSampleId :
VN1207WBL02

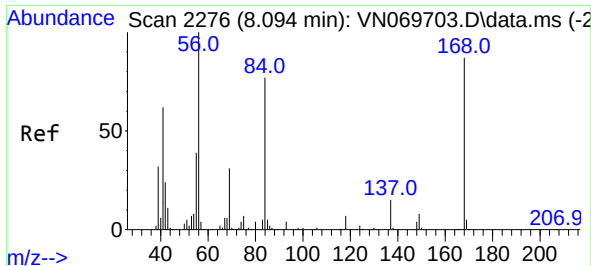
Tgt Ion: 56 Resp: 1184
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 0.78 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

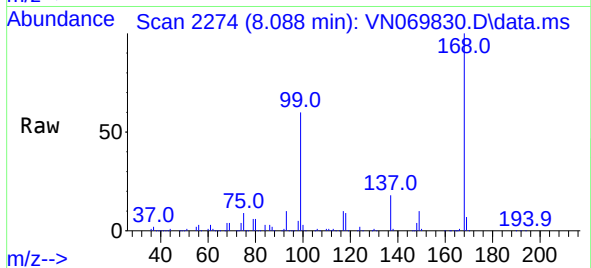
Tgt Ion: 43 Resp: 9760
Ion Ratio Lower Upper
43 100
58 24.2 23.1 34.7



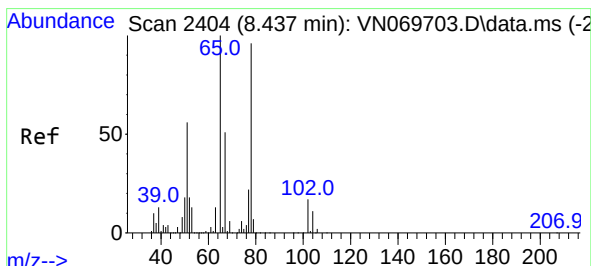
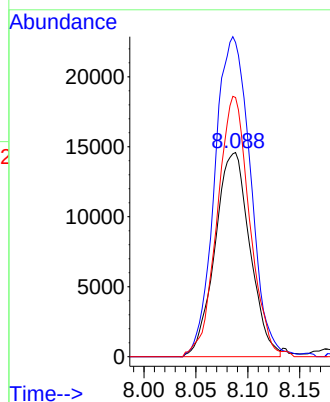
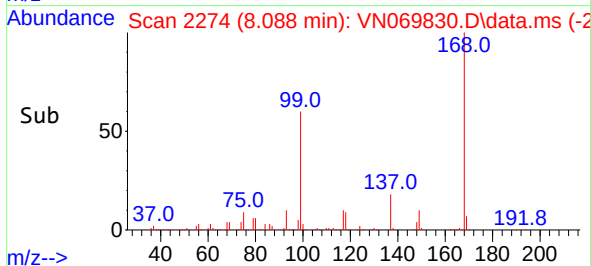


#31
Cyclohexane
Concen: 1.18 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL02

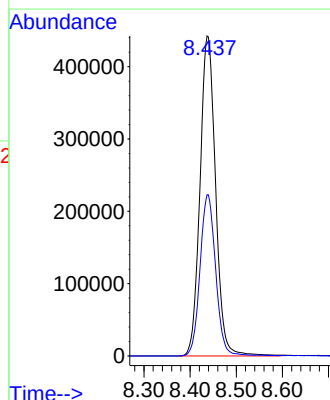
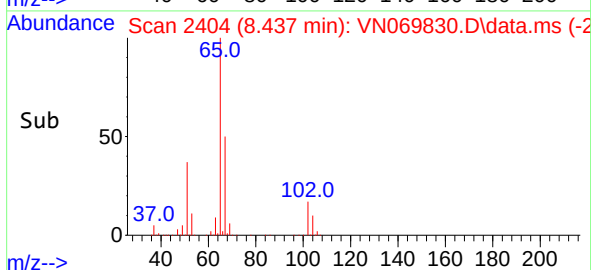
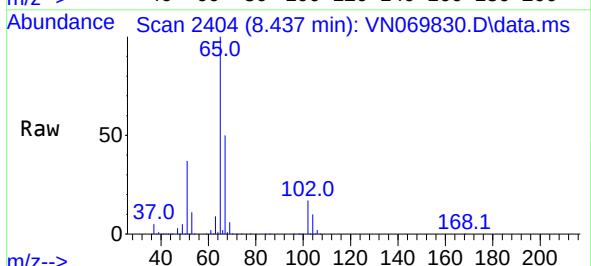


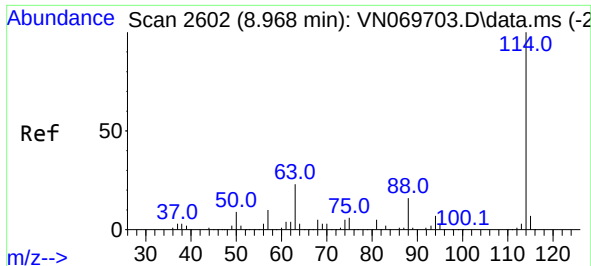
Tgt Ion: 56 Resp: 34012
Ion Ratio Lower Upper
56 100
69 153.9 27.1 40.7#
84 127.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.23 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion: 65 Resp: 1039070
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.0

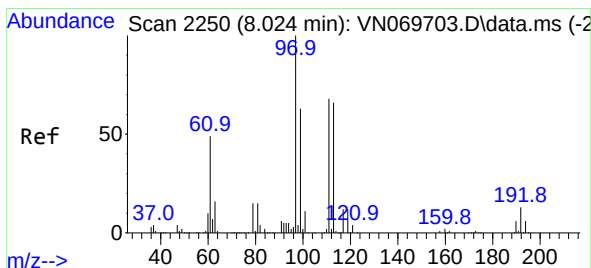
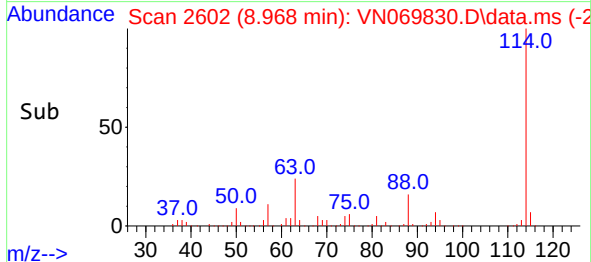
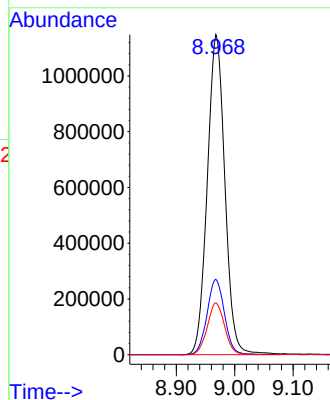
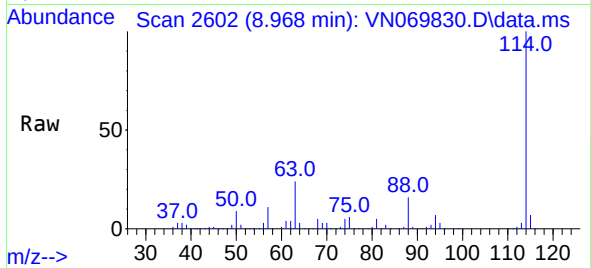




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

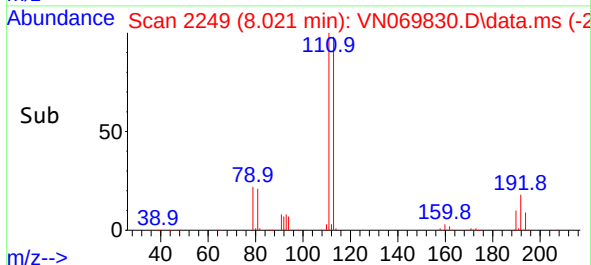
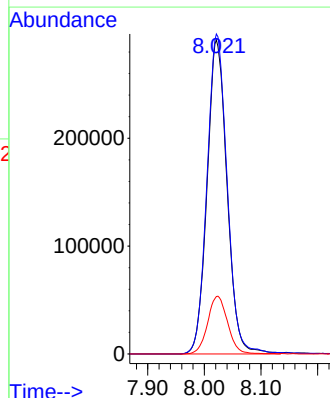
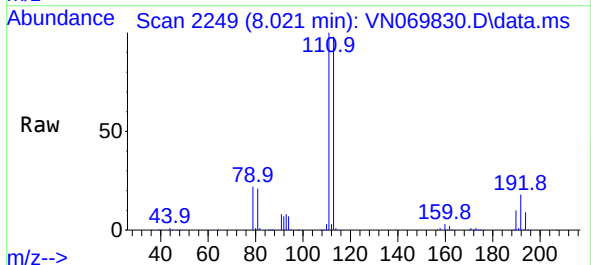
Instrument :
MSVOA_N
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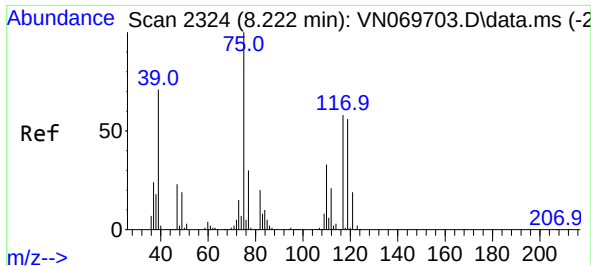
Tgt Ion:114 Resp: 2404084
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.42 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion:113 Resp: 714041
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.4 16.9 25.3

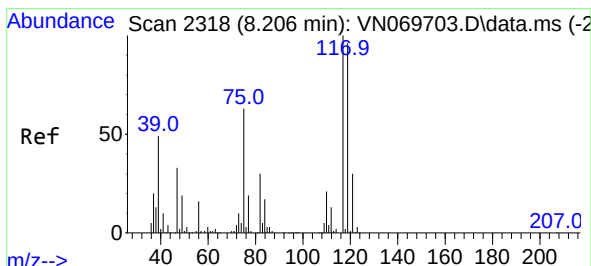
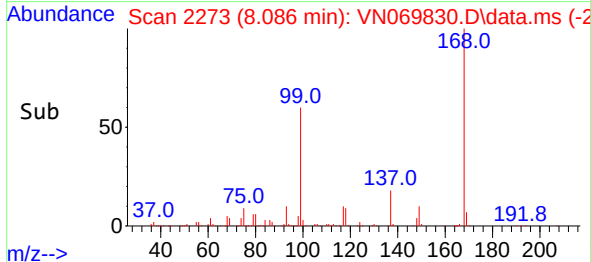
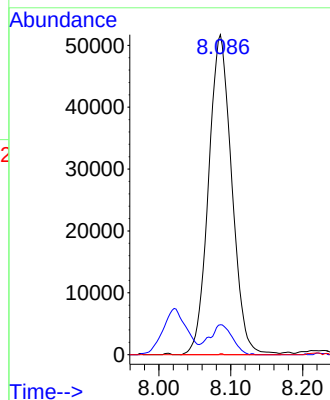
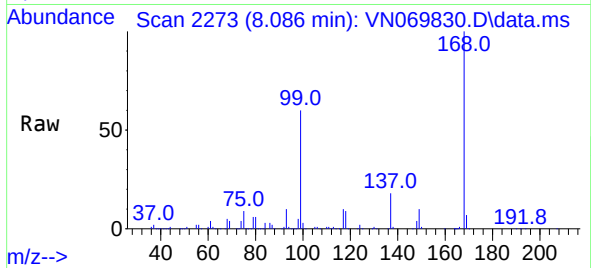




#36
1,1-Dichloropropene
Concen: 5.07 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

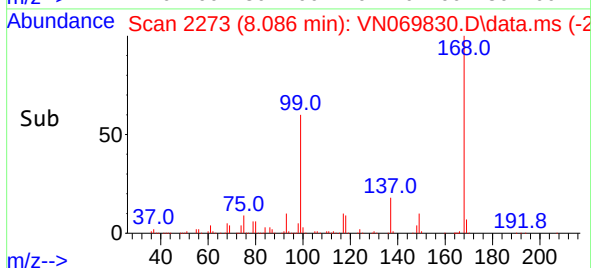
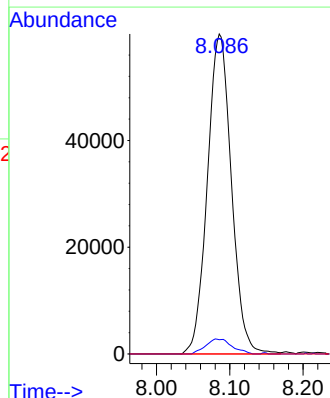
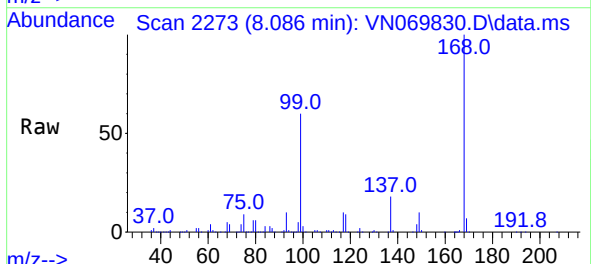
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ClientSampleId :
VN1207WBL02

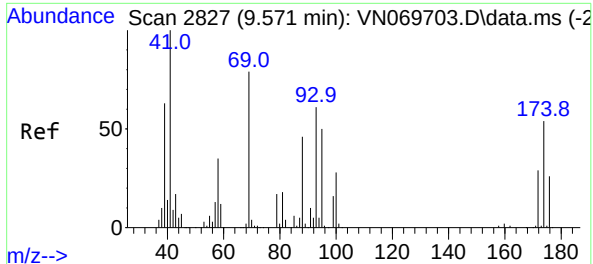
Tgt Ion: 75 Resp: 115982
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.09 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion: 117 Resp: 136672
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#

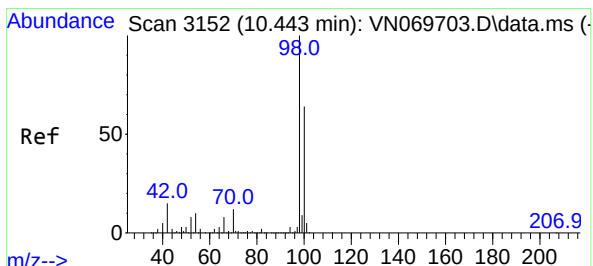
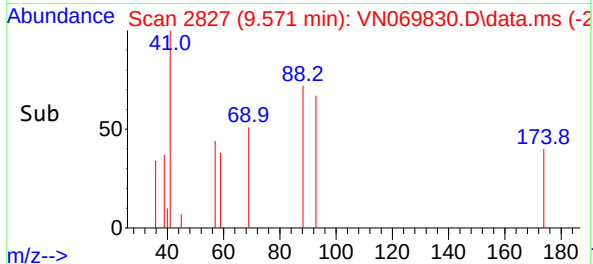
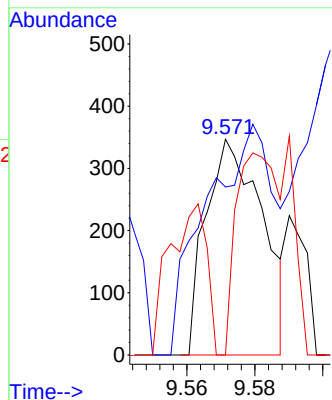
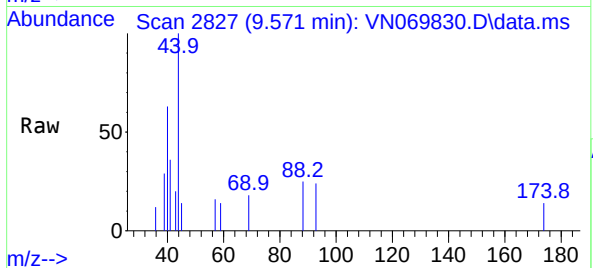




#49
1,4-Dioxane
Concen: 0.95 ug/l
RT: 9.571 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

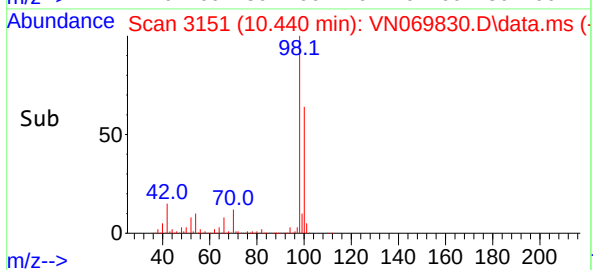
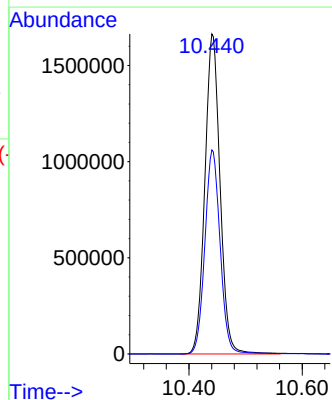
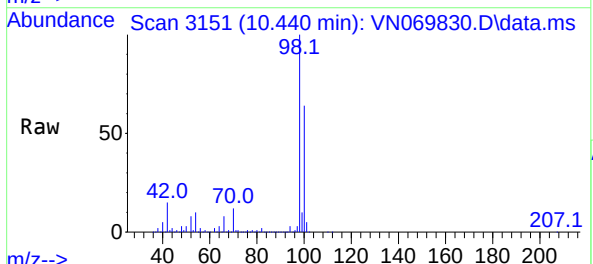
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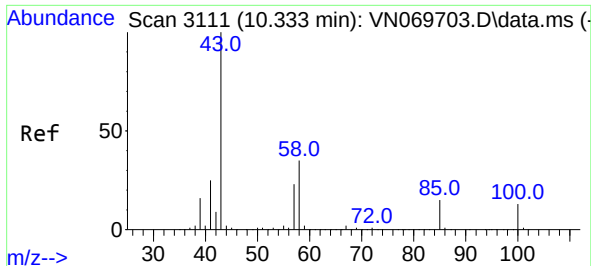
Tgt Ion: 88 Resp: 399
Ion Ratio Lower Upper
88 100
43 127.6 23.4 35.2#
58 45.9 50.6 75.8#



#50
Toluene-d8
Concen: 51.24 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion: 98 Resp: 3098257
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6

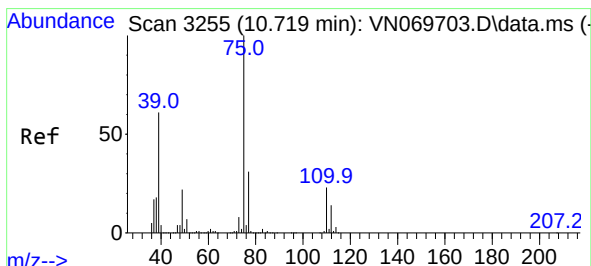
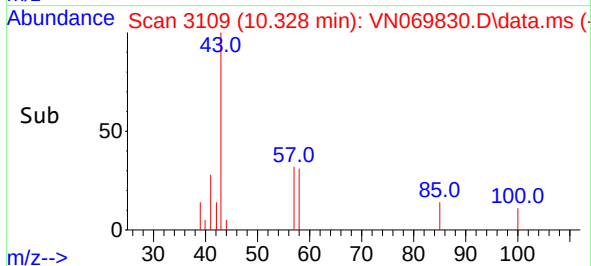
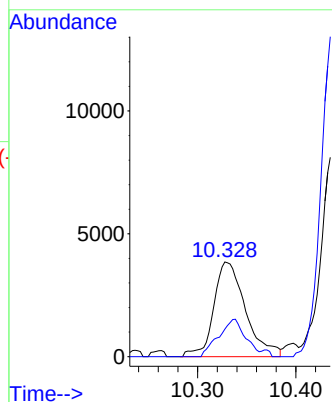
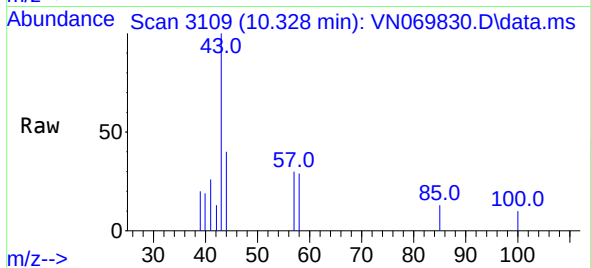




#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 10.328 min Scan# 3111
Delta R.T. -0.005 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

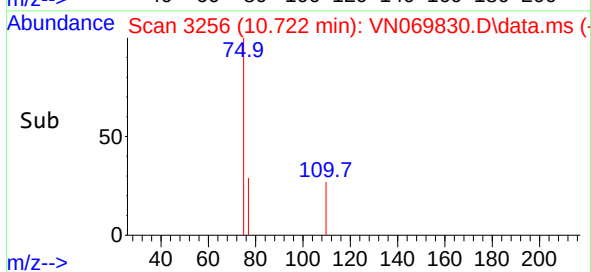
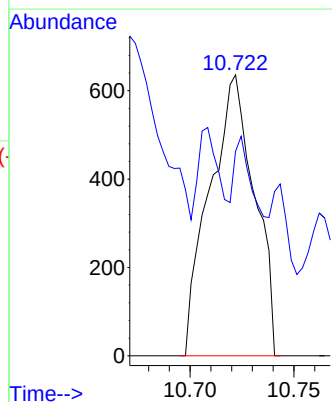
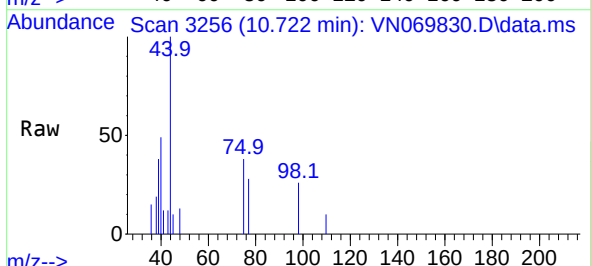
Instrument :
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VN1207WBL02

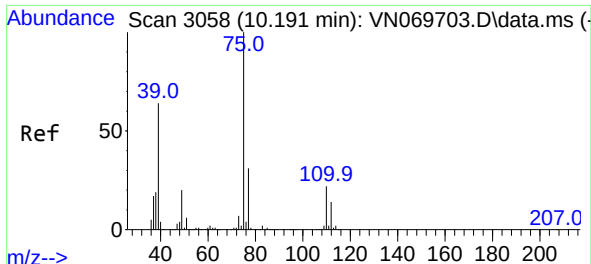
Tgt Ion: 43 Resp: 8658
Ion Ratio Lower Upper
43 100
58 33.1 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.83 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

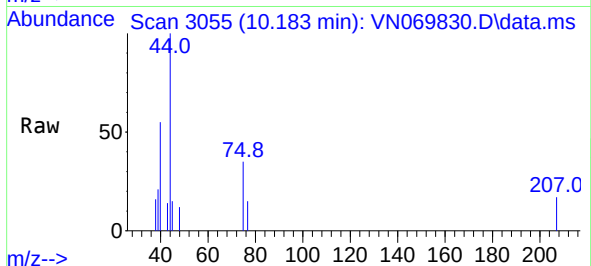
Tgt Ion: 75 Resp: 954
Ion Ratio Lower Upper
75 100
77 11.6 25.6 38.4#





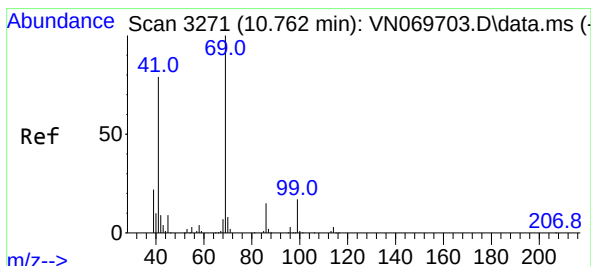
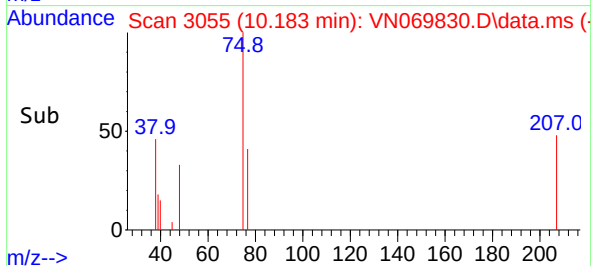
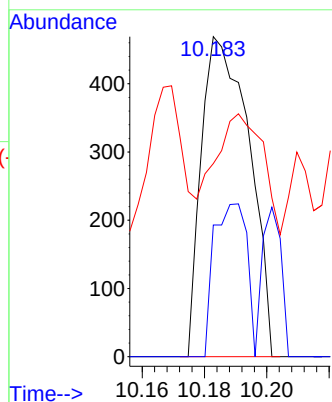
#54
cis-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.183 min Scan# 3055
Delta R.T. -0.008 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL02



Tgt Ion: 75 Resp: 497

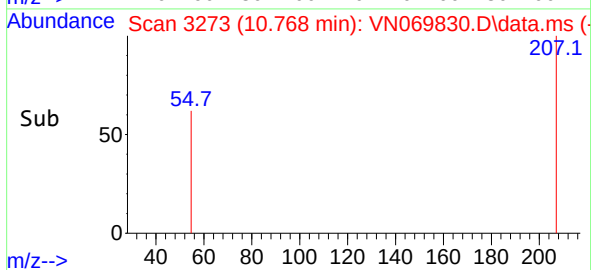
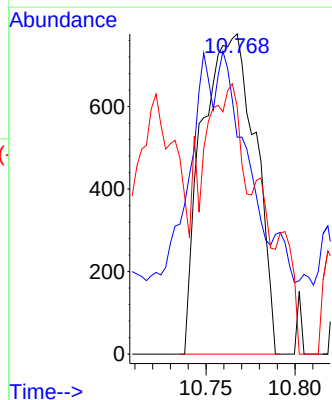
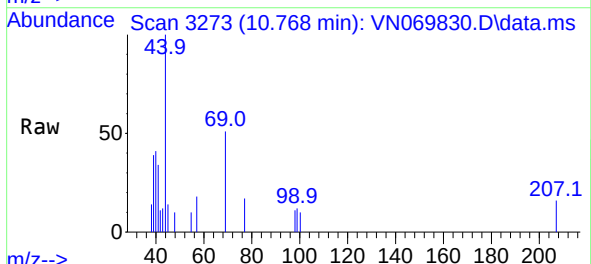
Ion	Ratio	Lower	Upper
75	100		
77	41.2	26.4	39.6#
39	22.2	42.5	63.7#

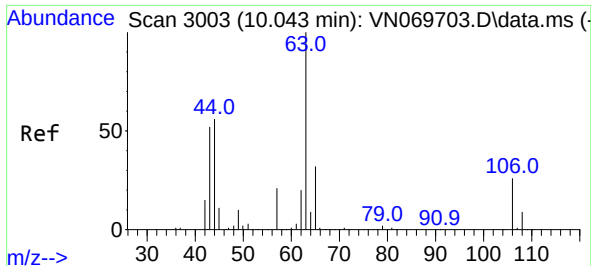


#56
Ethyl methacrylate
Concen: 2.33 ug/l
RT: 10.768 min Scan# 3273
Delta R.T. 0.005 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion: 69 Resp: 1614

Ion	Ratio	Lower	Upper
69	100		
41	29.0	51.4	77.0#
39	34.9	34.6	52.0

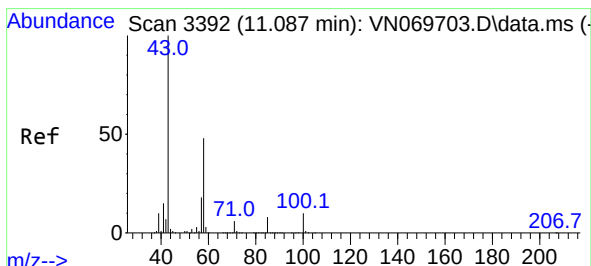
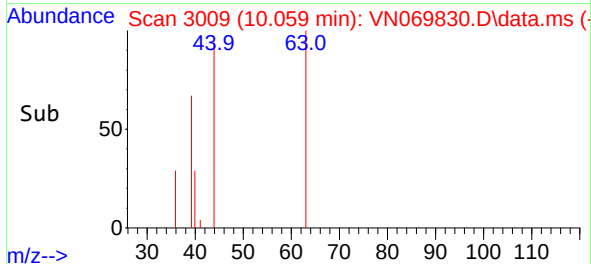
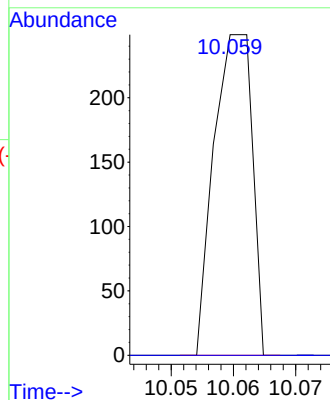
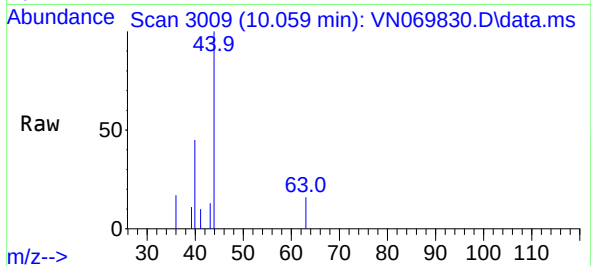




#58
2-Chloroethyl Vinyl ether
Concen: 18.40 ug/l
RT: 10.059 min Scan# 3009
Delta R.T. 0.016 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

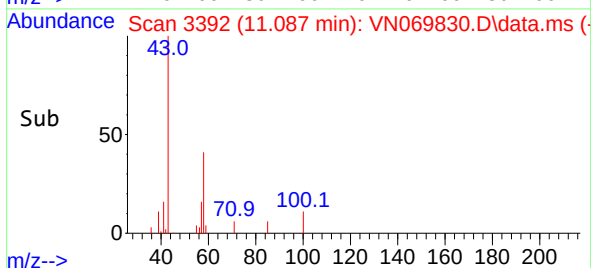
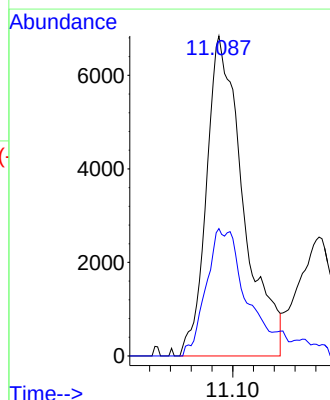
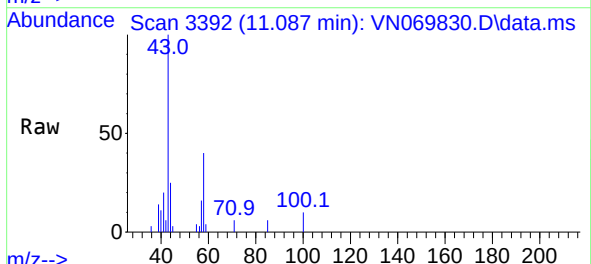
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL02

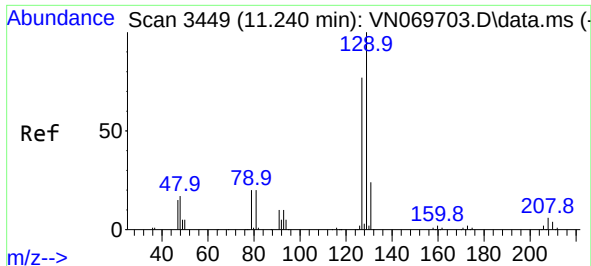
Tgt Ion: 63 Resp: 107
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.68 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion: 43 Resp: 16829
Ion Ratio Lower Upper
43 100
58 20.4 26.9 80.7#

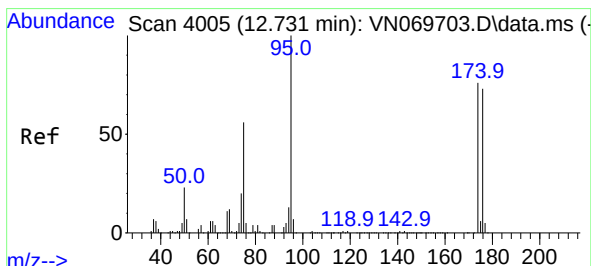
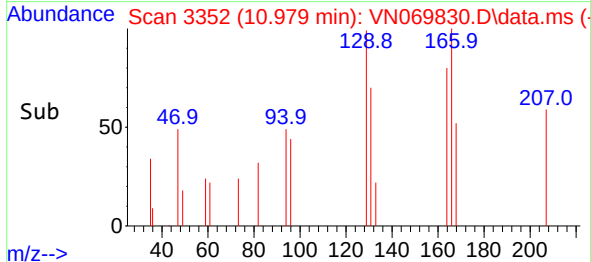
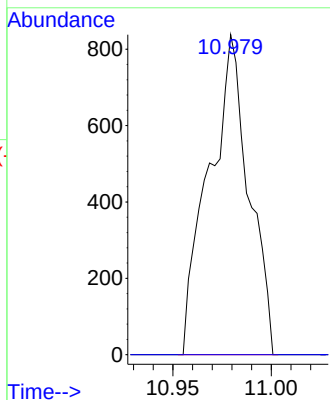
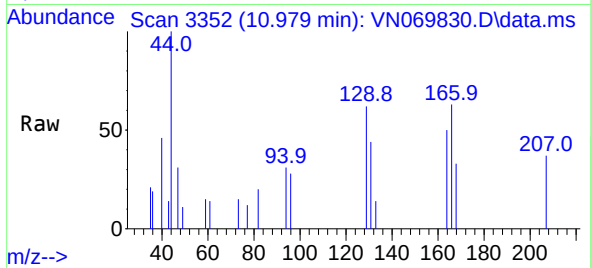




#60
Dibromochloromethane
Concen: 2.44 ug/l
RT: 10.979 min Scan# 311
Delta R.T. -0.261 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

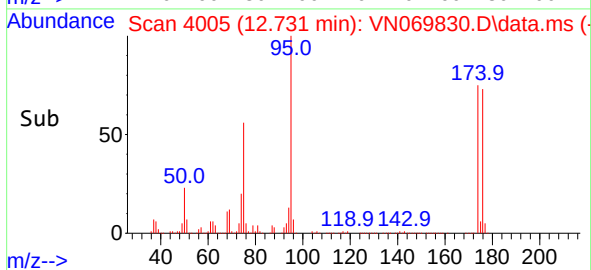
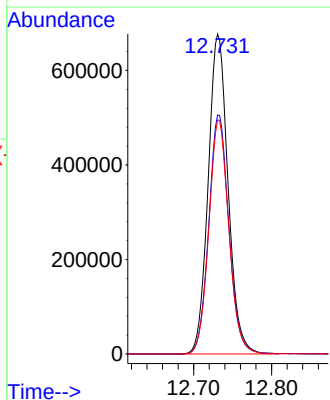
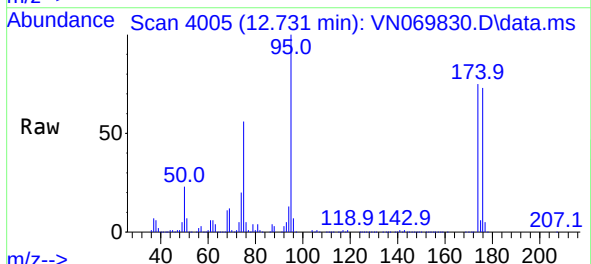
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL02

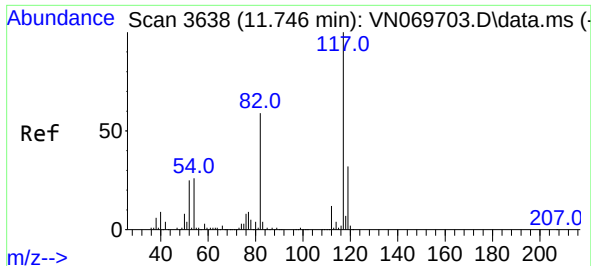
Tgt Ion:129 Resp: 1180
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 54.79 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

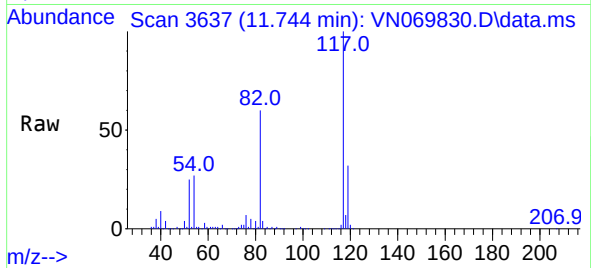
Tgt Ion: 95 Resp: 1200225
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 73.4 0.0 181.4





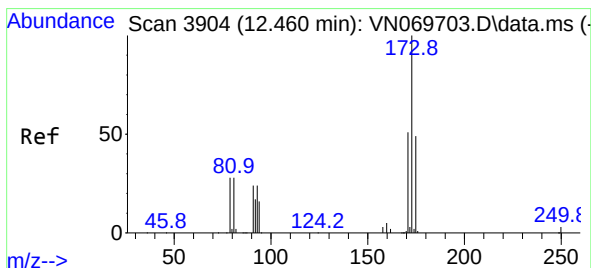
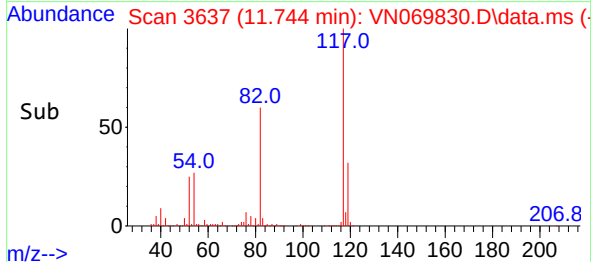
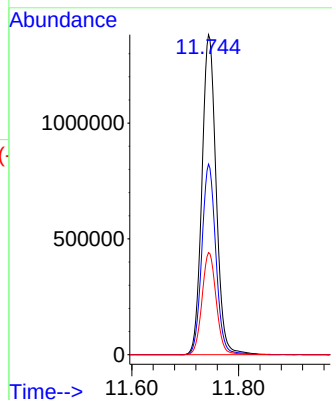
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL02



Tgt Ion:117 Resp: 2548608

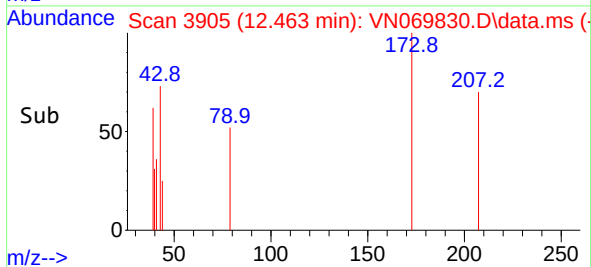
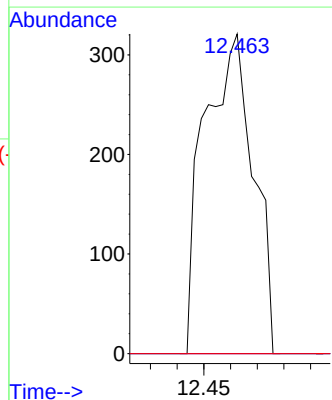
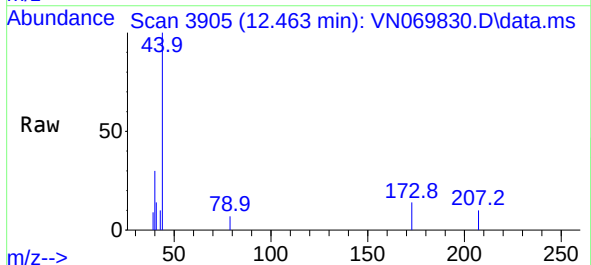
Ion	Ratio	Lower	Upper
117	100		
82	59.6	42.4	63.6
119	31.9	25.4	38.2

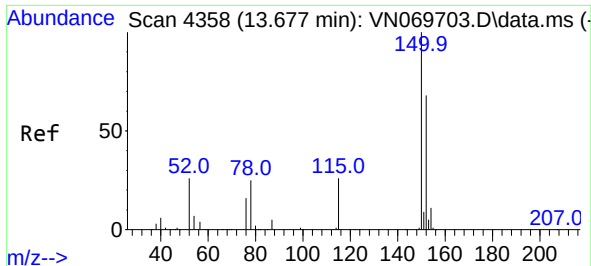


#71
Bromoform
Concen: 2.76 ug/l
RT: 12.463 min Scan# 3905
Delta R.T. 0.002 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion:173 Resp: 409

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6
254	0.0	0.0	0.0

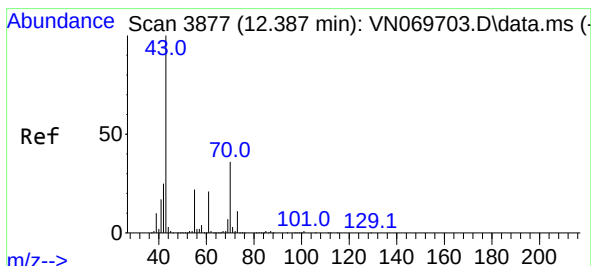
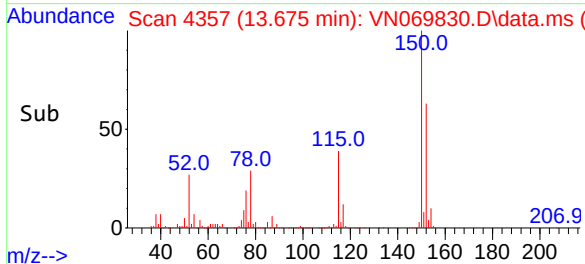
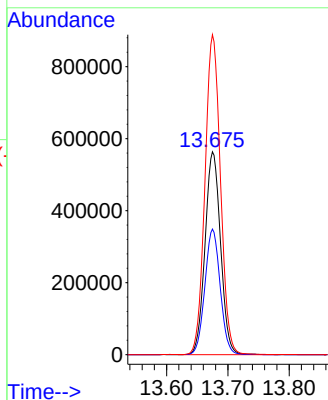
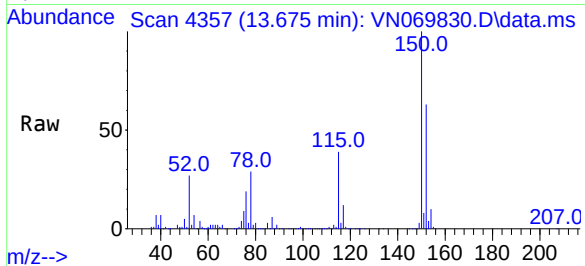




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

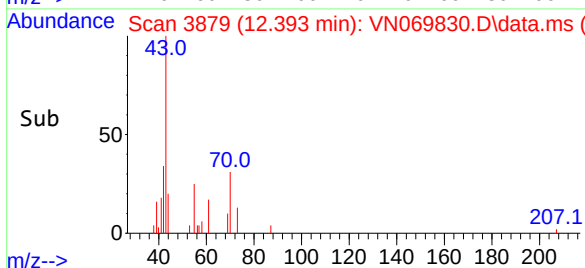
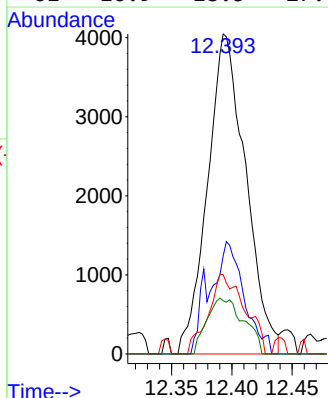
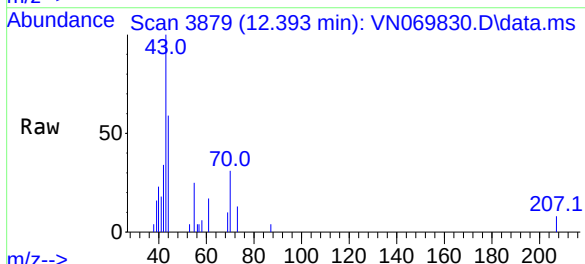
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL02

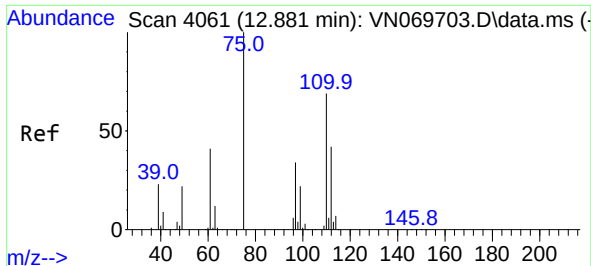
Tgt Ion:152 Resp: 992630
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 157.3 0.0 344.4



#74
N-ethyl acetate
Concen: 0.23 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.005 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion: 43 Resp: 8905
Ion Ratio Lower Upper
43 100
70 24.9 33.4 50.0#
55 23.9 19.3 28.9
61 16.9 18.5 27.7#

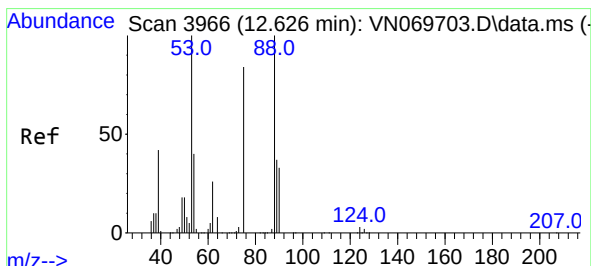
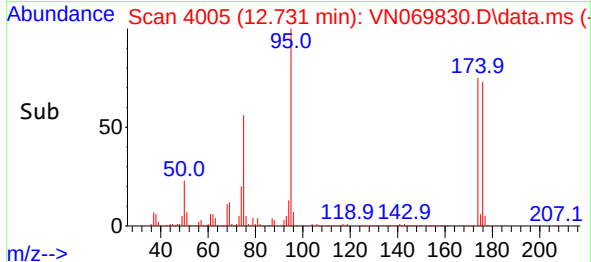
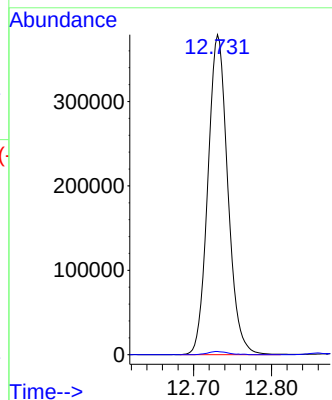
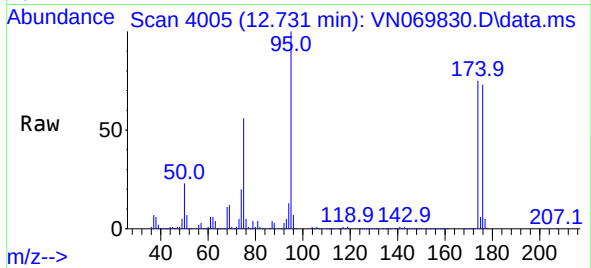




#76
1,2,3-Trichloropropane
Concen: 23.66 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

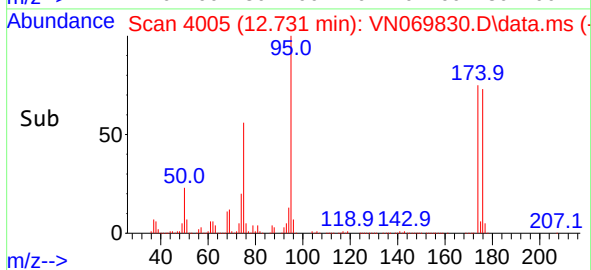
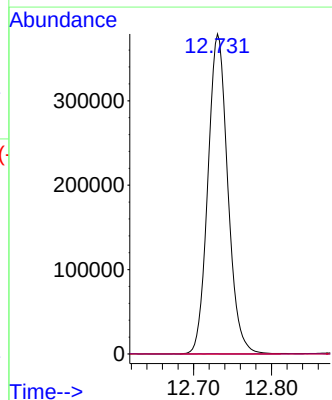
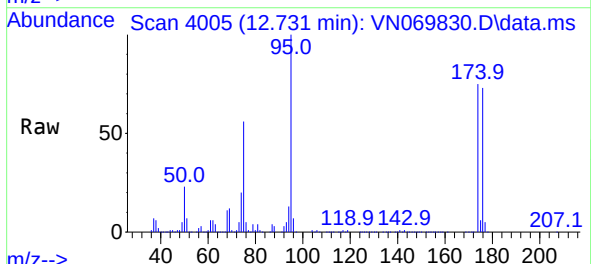
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL02

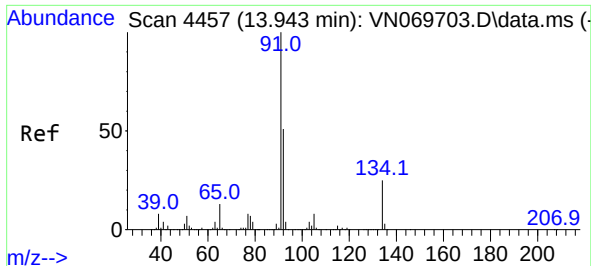
Tgt Ion: 75 Resp: 673619
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.22 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion: 75 Resp: 673619
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

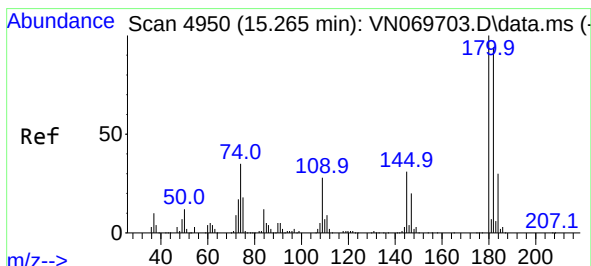
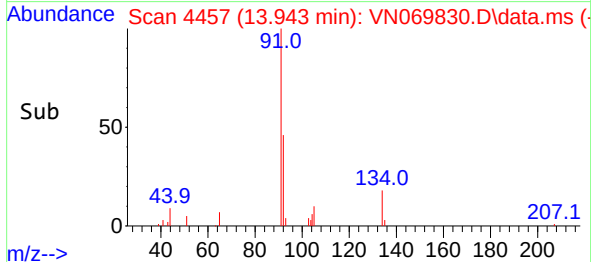
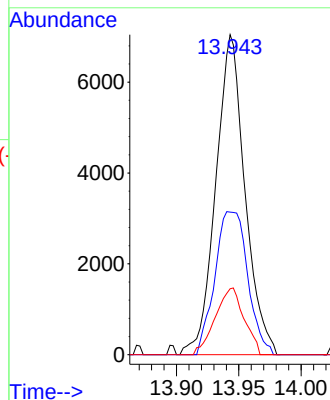
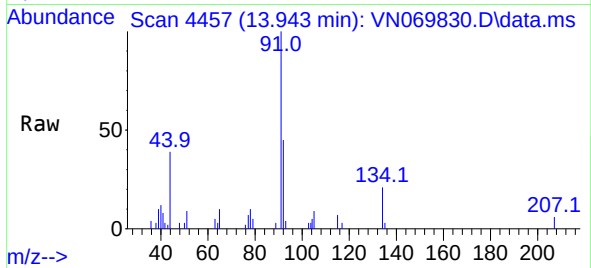




#89
n-Butylbenzene
Concen: 0.21 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

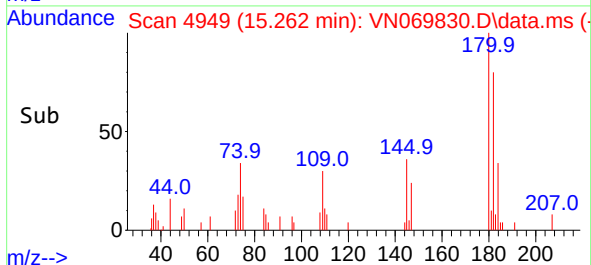
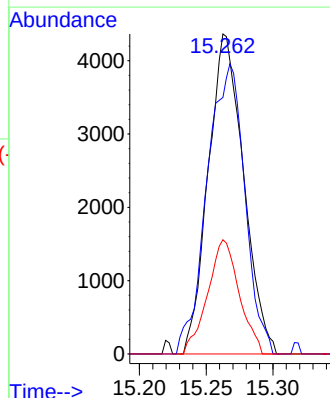
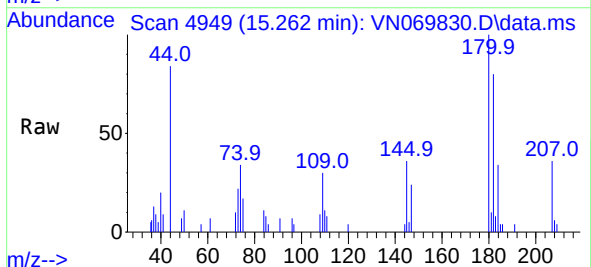
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL02

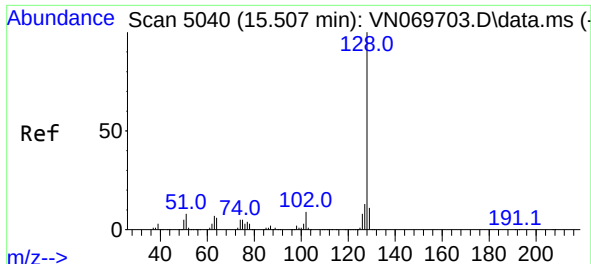
Tgt Ion:	91	Resp:	11482
Ion	Ratio	Lower	Upper
91	100		
92	50.2	25.4	76.0
134	20.6	13.6	40.8



#93
1,2,4-Trichlorobenzene
Concen: 3.34 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

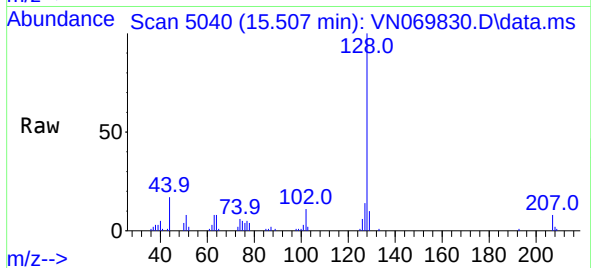
Tgt Ion:	180	Resp:	8026
Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	31.9	14.5	43.5



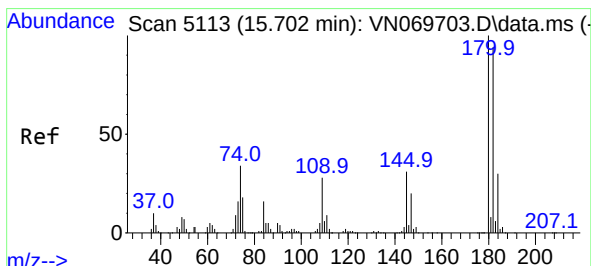
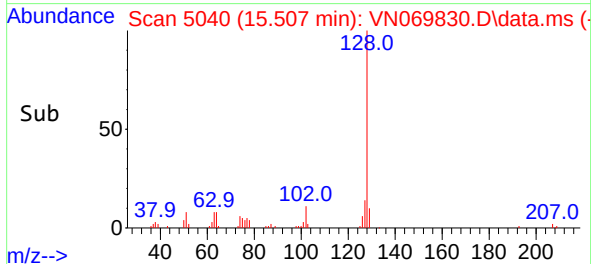
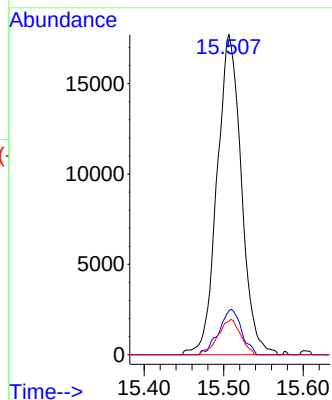


#95
Naphthalene
Concen: 4.70 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL02



Tgt Ion:128 Resp: 37627
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.04 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069830.D
Acq: 7 Dec 2021 23:02

Tgt Ion:180 Resp: 10082
Ion Ratio Lower Upper
180 100
182 91.5 47.4 142.2
145 29.0 15.0 45.1

