

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069813.D
 Acq On : 7 Dec 2021 14:33
 Operator : JC/MD
 Sample : M4956-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D1-20211202

Quant Time: Dec 08 04:35:33 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)

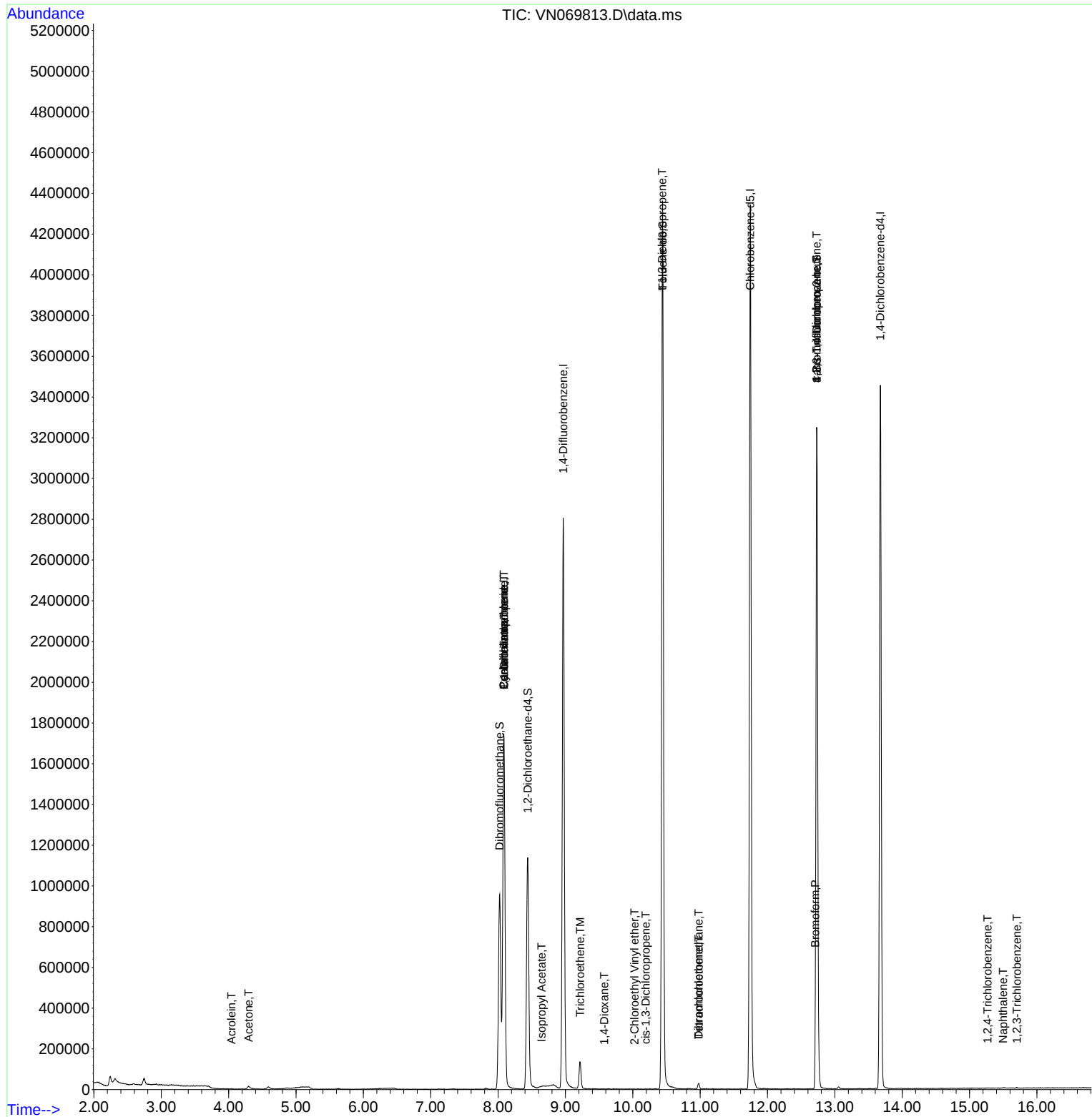
Internal Standards						
1) Pentafluorobenzene	8.086	168	1302794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2343837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2454151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	949559	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1004432	49.93	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.86%		
35) Dibromofluoromethane	8.024	113	694782	47.32	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.64%		
50) Toluene-d8	10.443	98	2978440	50.52	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.04%		
62) 4-Bromofluorobenzene	12.731	95	1159353	54.29	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.58%		
Target Compounds					Qvalue	
13) Acrolein	4.041	56	725	0.22	ug/l	93
16) Acetone	4.296	43	21884	1.81	ug/l	98
31) Cyclohexane	8.086	56	32314	1.15	ug/l #	29
36) 1,1-Dichloropropene	8.086	75	109942	4.93	ug/l #	48
38) Carbon Tetrachloride	8.086	117	133699	6.11	ug/l #	16
43) Isopropyl Acetate	8.646	43	11802	0.24	ug/l #	55
44) Trichloroethene	9.217	130	45580	2.80	ug/l	94
49) 1,4-Dioxane	9.577	88	86	0.21	ug/l #	27
53) t-1,3-Dichloropropene	10.438	75	186	2.80	ug/l #	1
54) cis-1,3-Dichloropropene	10.194	75	25	2.00	ug/l #	32
58) 2-Chloroethyl Vinyl ether	10.027	63	26	18.39	ug/l #	45
60) Dibromochloromethane	10.977	129	5775	2.68	ug/l #	11
64) Tetrachloroethene	10.977	164	6530	0.39	ug/l	88
71) Bromoform	12.709	173	448	2.76	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	648029	23.80	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	648029	75.62	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	417	2.90	ug/l #	71
95) Naphthalene	15.499	128	978	4.00	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.702	180	532	2.47	ug/l #	86

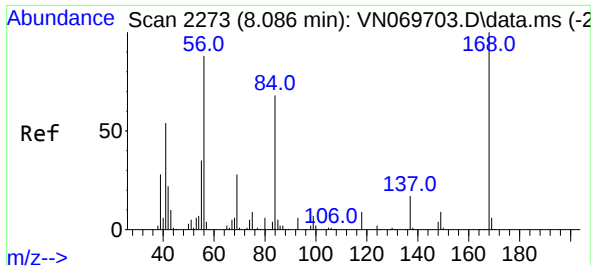
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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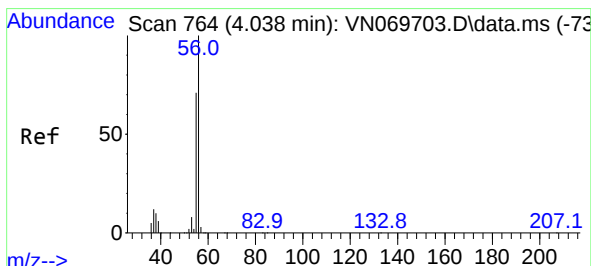
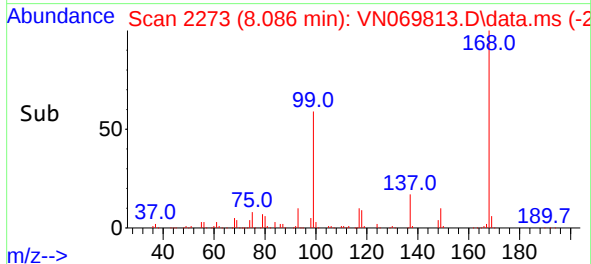
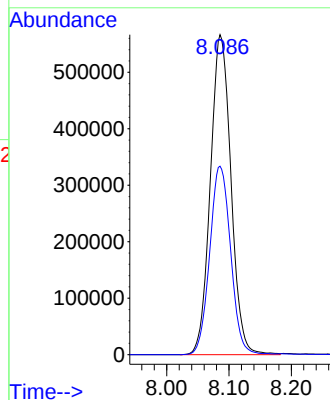
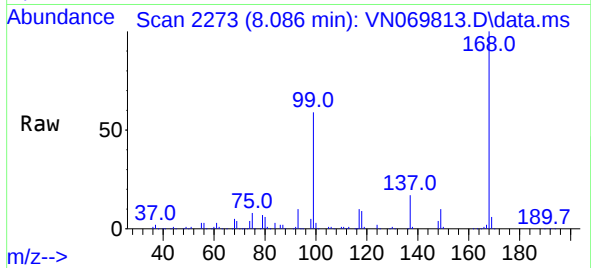




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

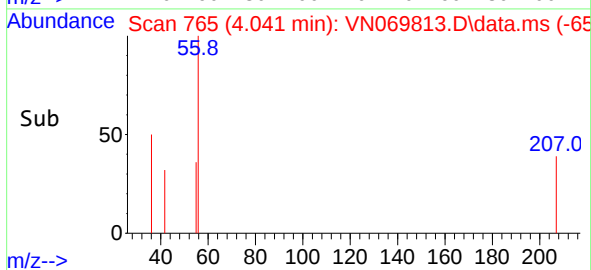
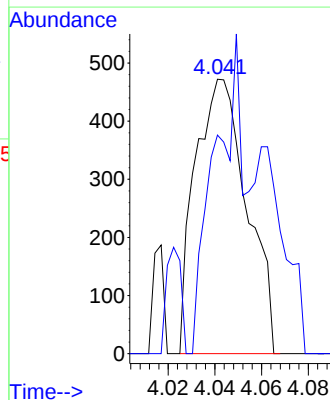
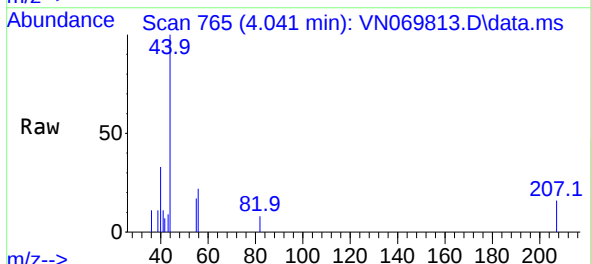
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20211202

Tgt Ion:168 Resp: 1302794
Ion Ratio Lower Upper
168 100
99 58.9 41.3 61.9



#13
Acrolein
Concen: 0.22 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Tgt Ion: 56 Resp: 725
Ion Ratio Lower Upper
56 100
55 65.1 56.6 85.0

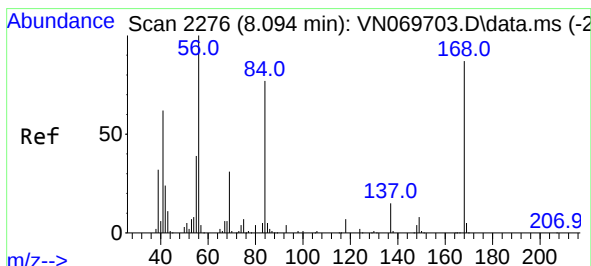
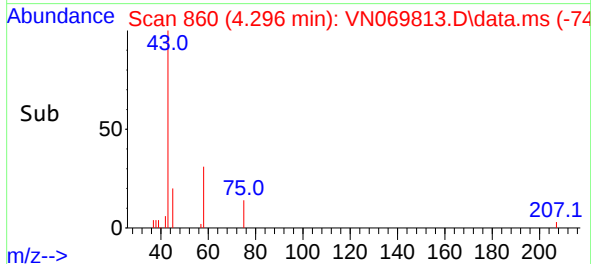
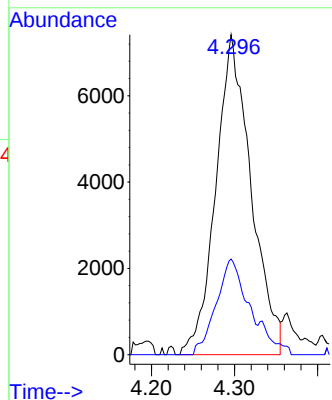
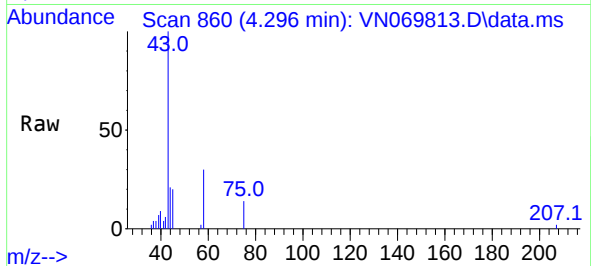




#16
Acetone
Concen: 1.81 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

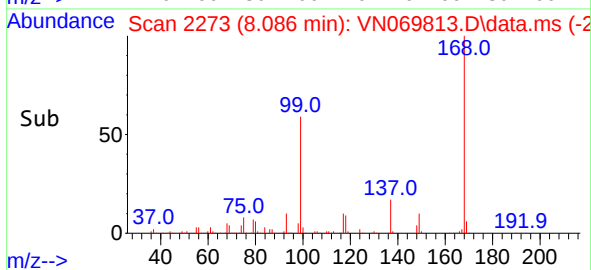
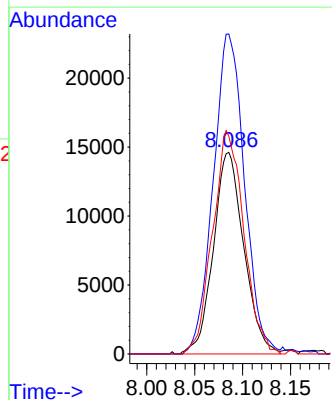
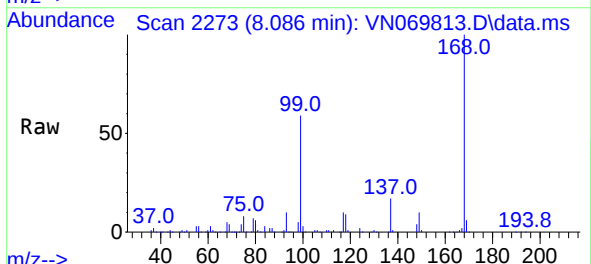
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ClientSampleId :
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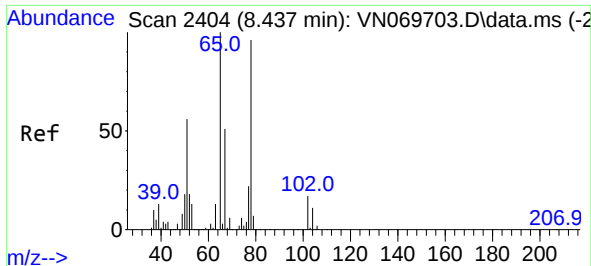
Tgt Ion: 43 Resp: 21884
Ion Ratio Lower Upper
43 100
58 29.9 23.1 34.7



#31
Cyclohexane
Concen: 1.15 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Tgt Ion: 56 Resp: 32314
Ion Ratio Lower Upper
56 100
69 158.7 27.1 40.7#
84 107.9 73.4 110.0

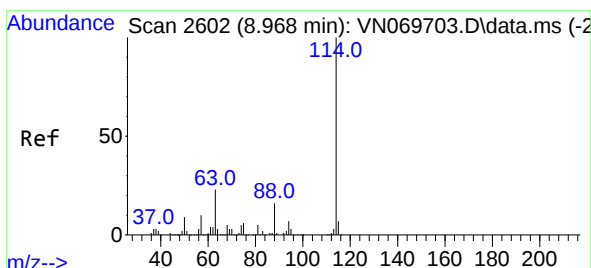
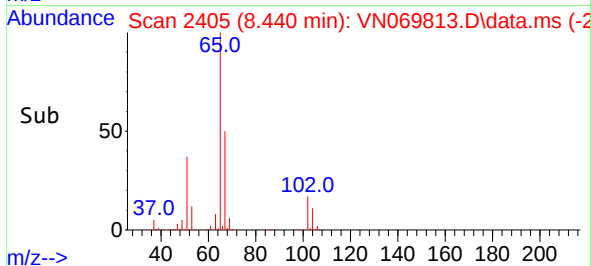
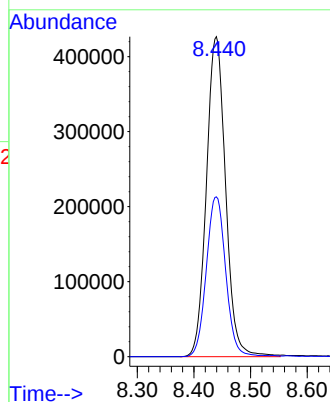
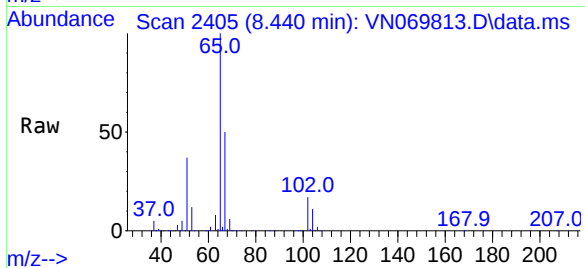




#33
1,2-Dichloroethane-d4
Concen: 49.93 ug/l
RT: 8.440 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

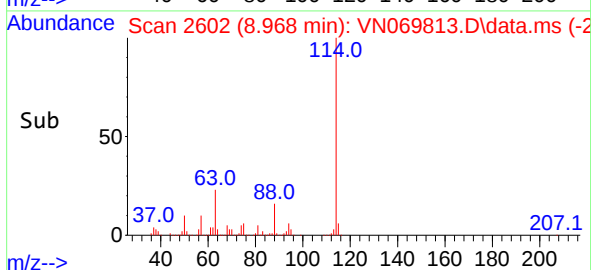
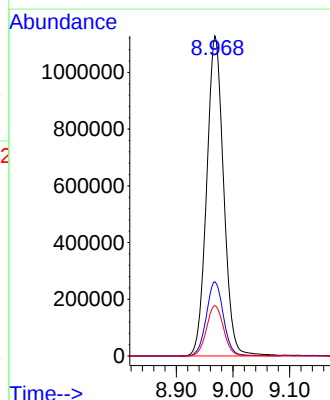
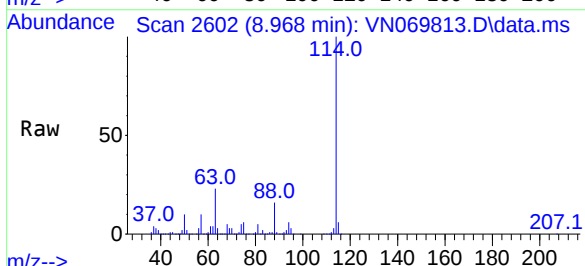
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20211202

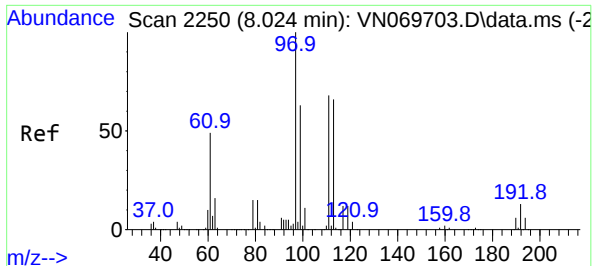
Tgt Ion: 65 Resp: 1004432
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

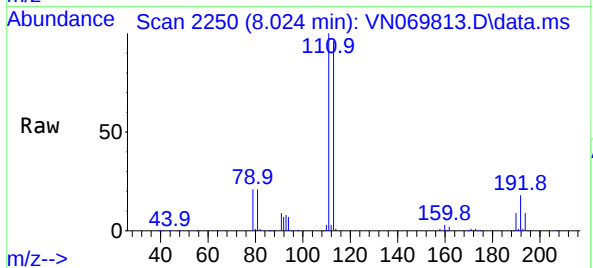
Tgt Ion:114 Resp: 2343837
Ion Ratio Lower Upper
114 100
63 23.2 0.0 37.8
88 15.7 0.0 27.4



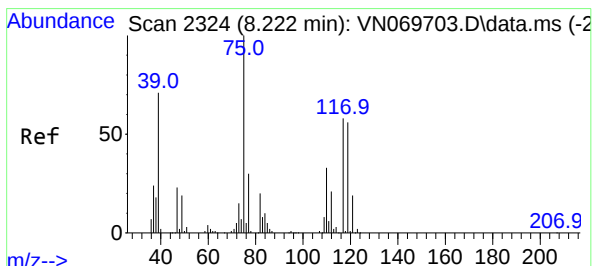
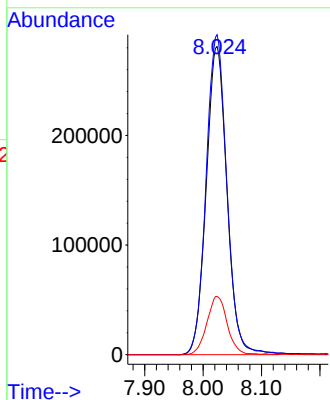
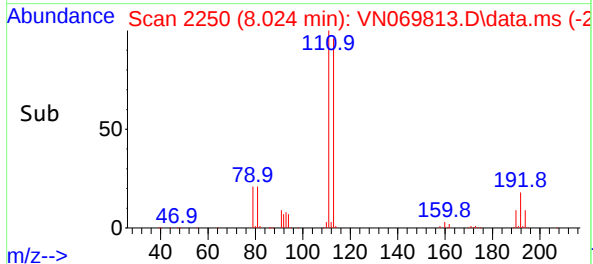


#35
Dibromofluoromethane
Concen: 47.32 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20211202

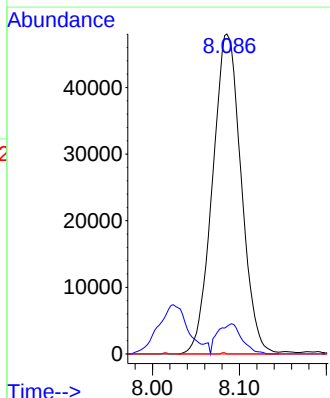
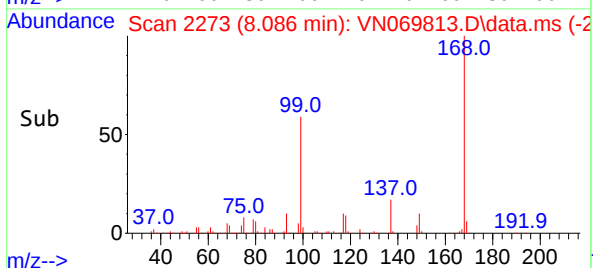
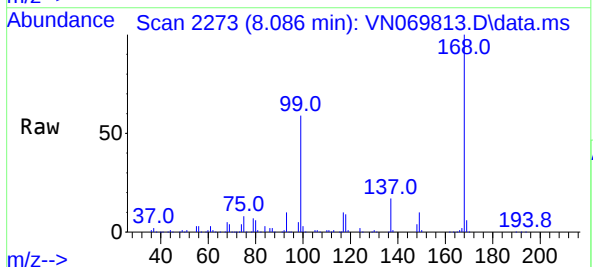


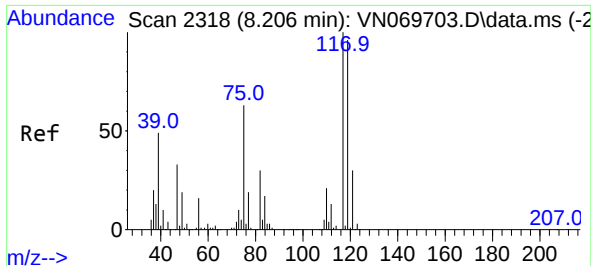
Tgt Ion:113 Resp: 694782
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

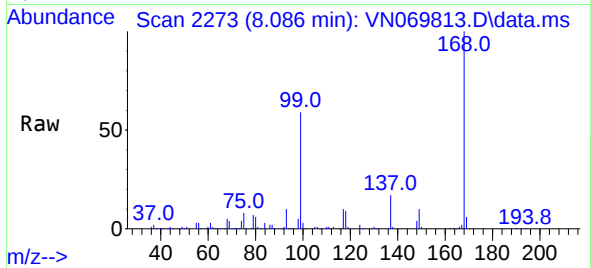
Tgt Ion: 75 Resp: 109942
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.1 24.4 36.6#



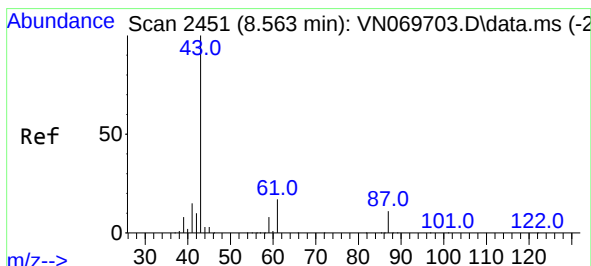
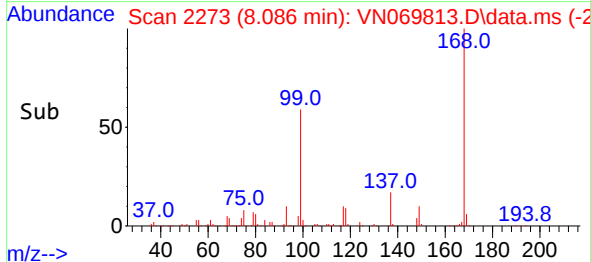
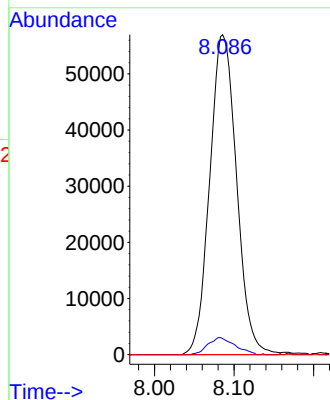


#38
Carbon Tetrachloride
Concen: 6.11 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Instrument :
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ClientSampleId :
RE134D1-20211202

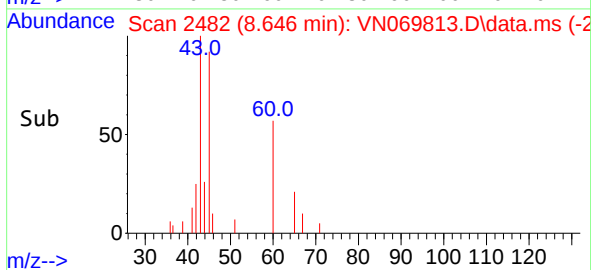
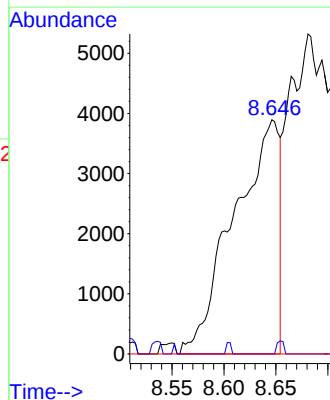
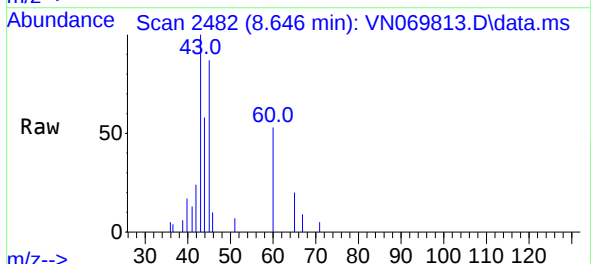


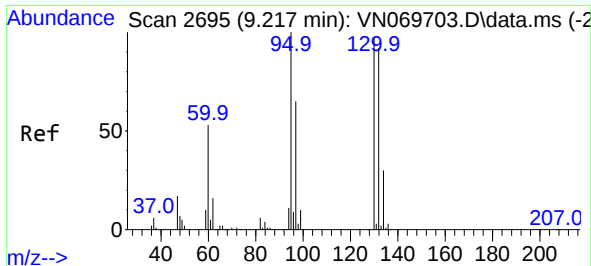
Tgt Ion:117 Resp: 133699
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.24 ug/l
RT: 8.646 min Scan# 2482
Delta R.T. 0.083 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Tgt Ion: 43 Resp: 11802
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

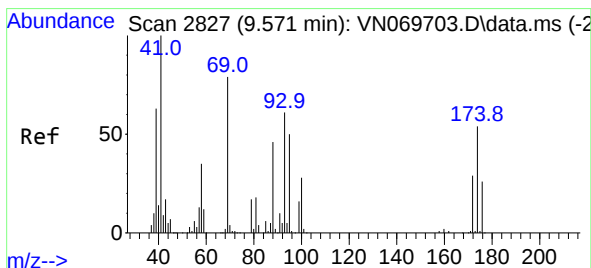
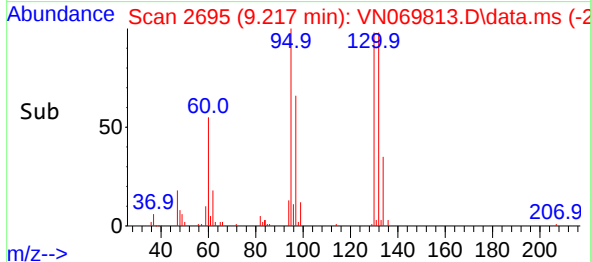
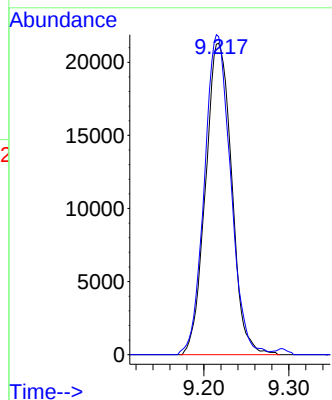
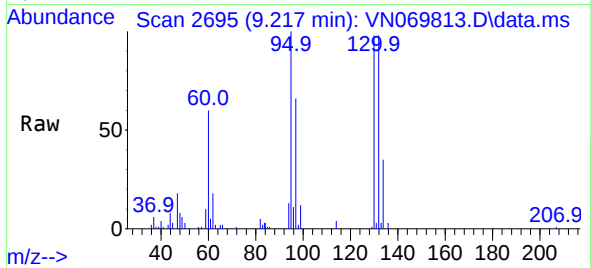




#44
 Trichloroethene
 Concen: 2.80 ug/l
 RT: 9.217 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN069813.D
 Acq: 7 Dec 2021 14:33

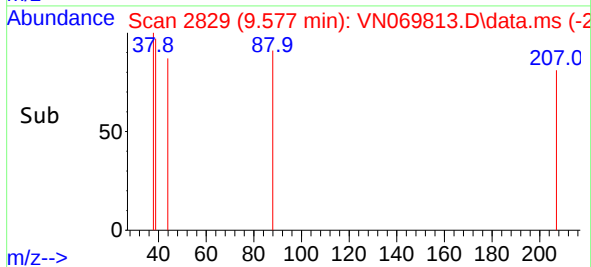
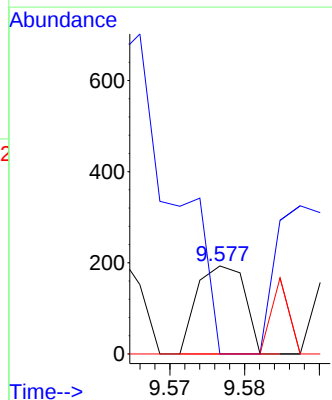
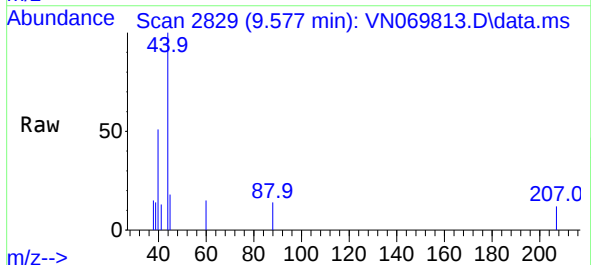
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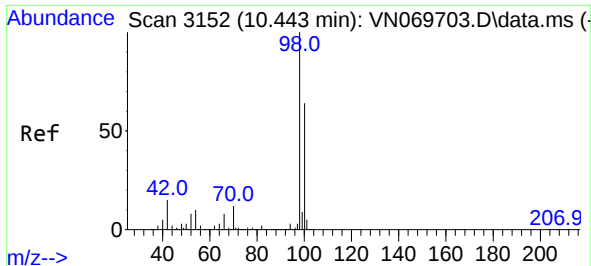
Tgt Ion:130 Resp: 45580
 Ion Ratio Lower Upper
 130 100
 95 101.1 0.0 191.2



#49
 1,4-Dioxane
 Concen: 0.21 ug/l
 RT: 9.577 min Scan# 2829
 Delta R.T. 0.005 min
 Lab File: VN069813.D
 Acq: 7 Dec 2021 14:33

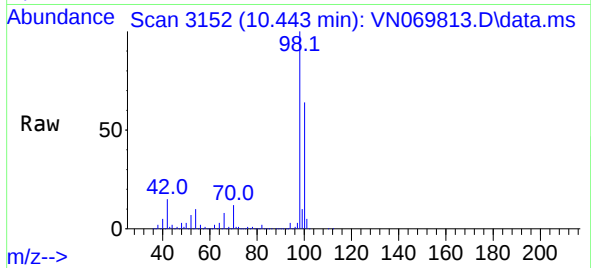
Tgt Ion: 88 Resp: 86
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.4 35.2#
 58 0.0 50.6 75.8#



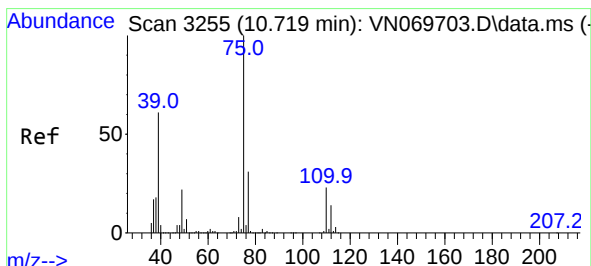
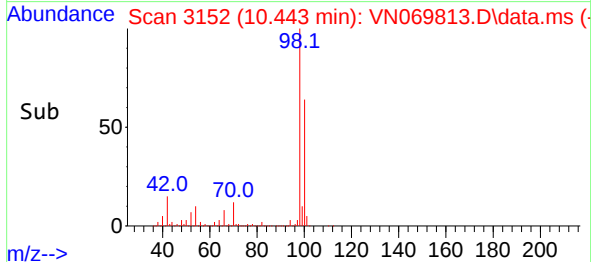
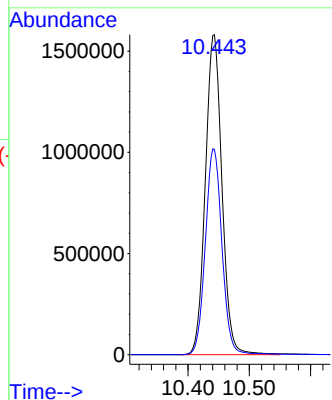


#50
Toluene-d8
Concen: 50.52 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20211202

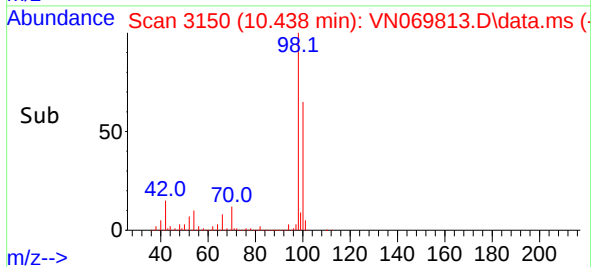
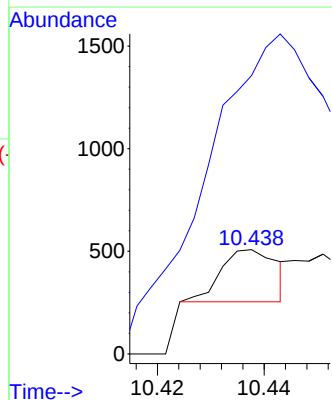
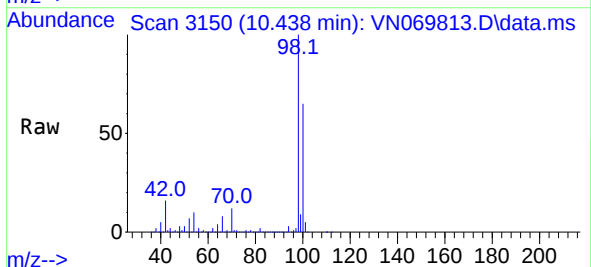


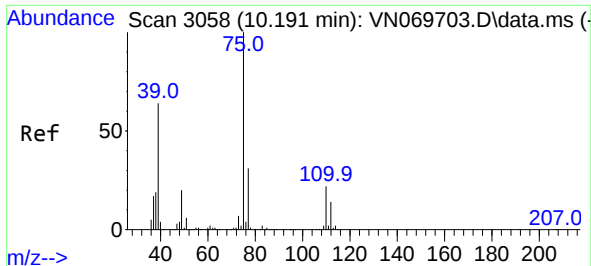
Tgt Ion: 98 Resp: 2978440
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.80 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.281 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Tgt Ion: 75 Resp: 186
Ion Ratio Lower Upper
75 100
77 335.0 25.6 38.4#

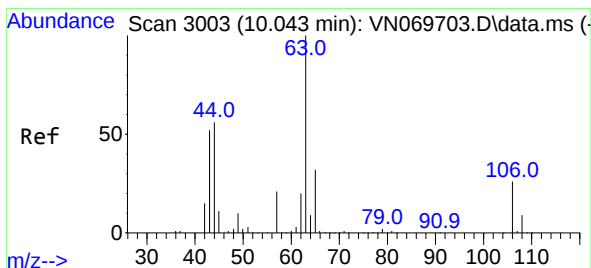
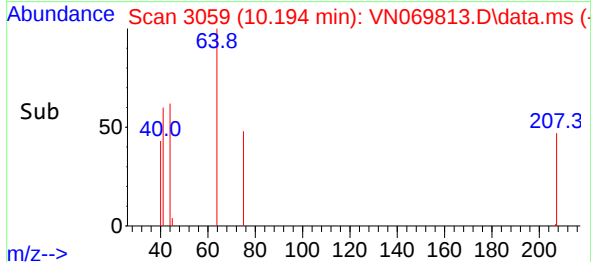
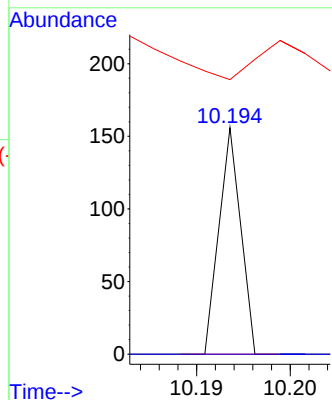
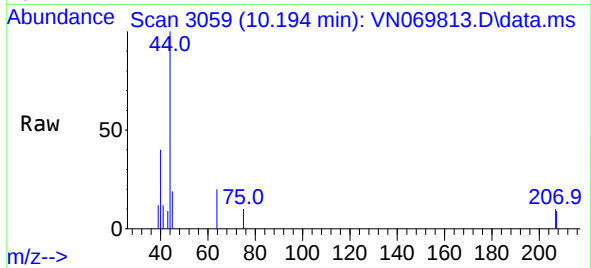




#54
 cis-1,3-Dichloropropene
 Concen: 2.00 ug/l
 RT: 10.194 min Scan# 3058
 Delta R.T. 0.003 min
 Lab File: VN069813.D
 Acq: 7 Dec 2021 14:33

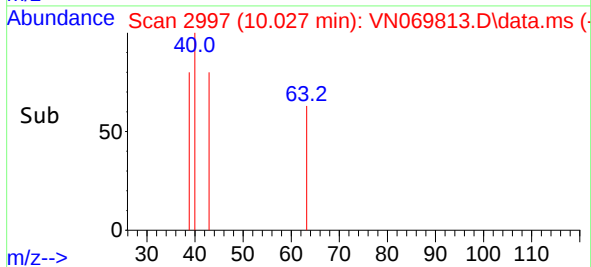
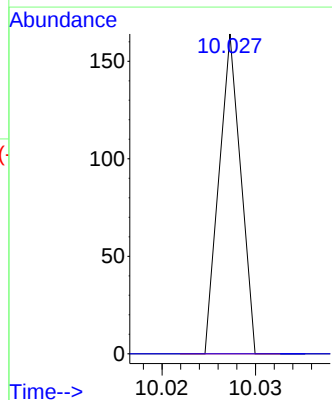
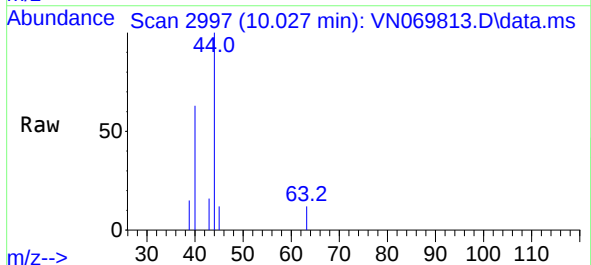
Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D1-20211202

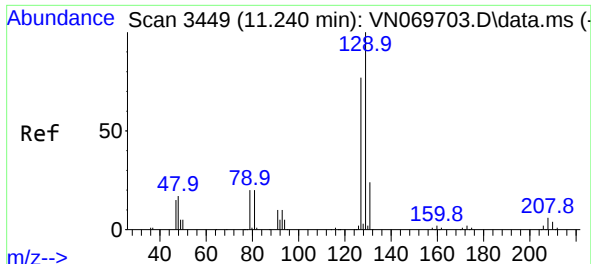
Tgt Ion:	75	Resp:	25
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.4	39.6#
39	0.0	42.5	63.7#



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.39 ug/l
 RT: 10.027 min Scan# 2997
 Delta R.T. -0.016 min
 Lab File: VN069813.D
 Acq: 7 Dec 2021 14:33

Tgt Ion:	63	Resp:	26
Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.9	35.9#

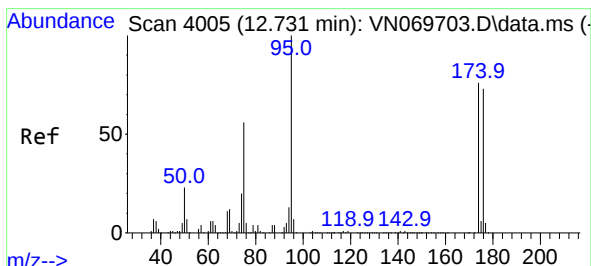
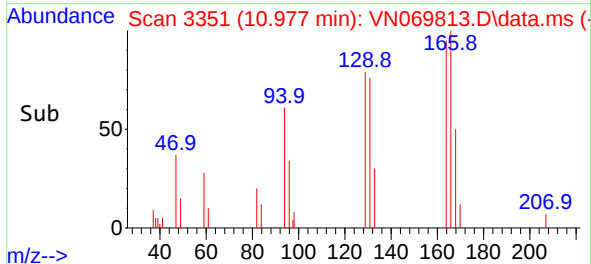
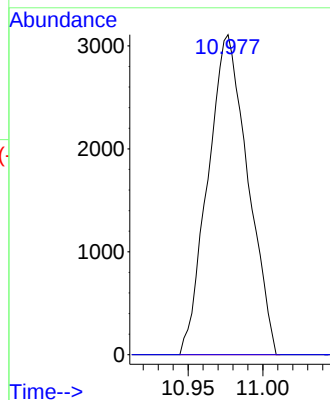
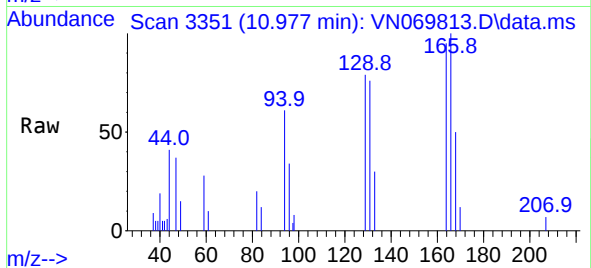




#60
Dibromochloromethane
Concen: 2.68 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

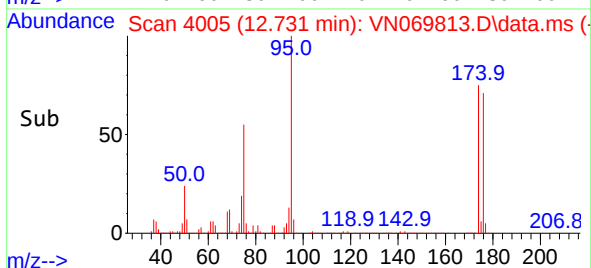
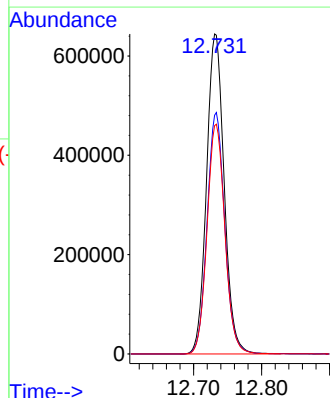
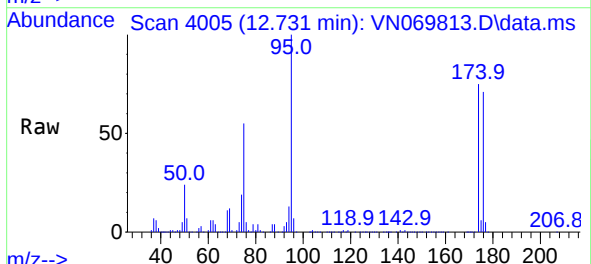
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20211202

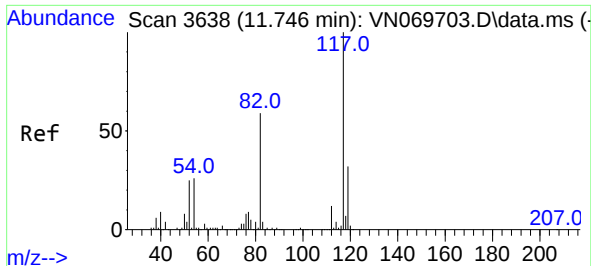
Tgt Ion:129 Resp: 5775
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 54.29 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Tgt Ion: 95 Resp: 1159353
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 72.7 0.0 181.4



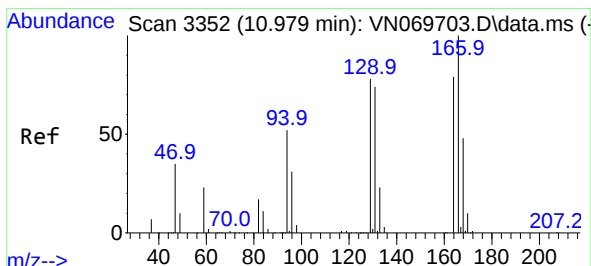
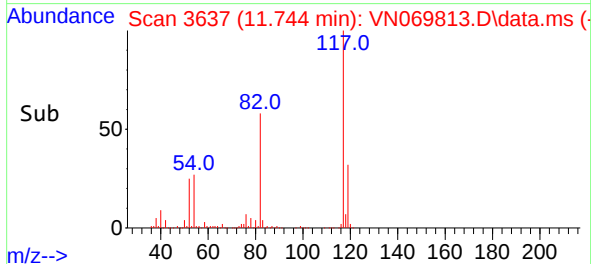
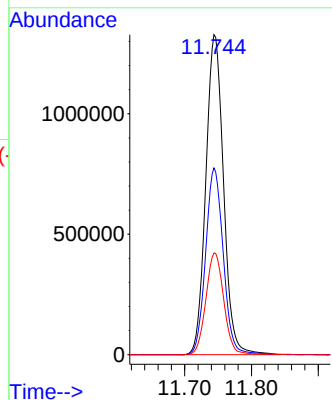
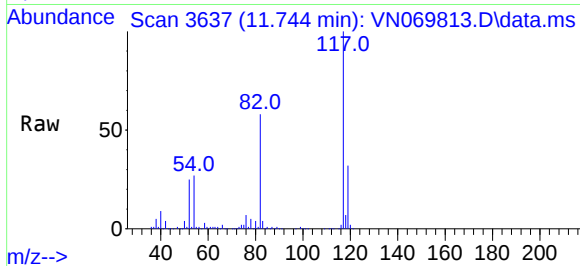


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20211202

Tgt Ion:117 Resp: 2454151

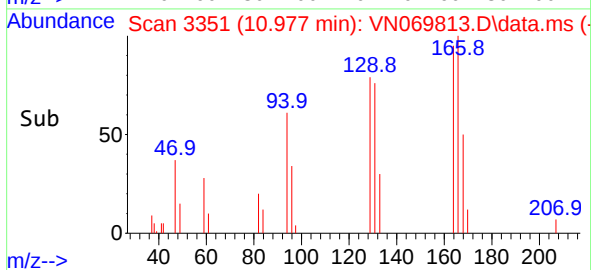
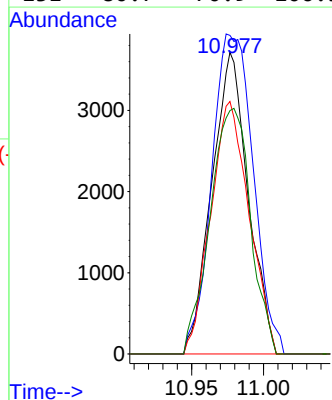
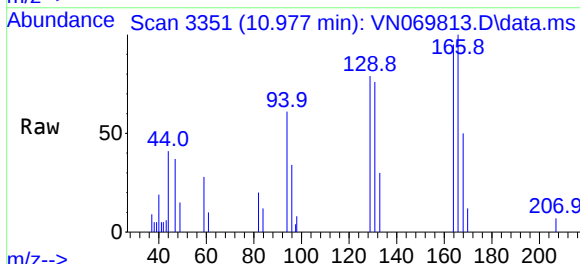
Ion	Ratio	Lower	Upper
117	100		
82	58.3	42.4	63.6
119	31.8	25.4	38.2

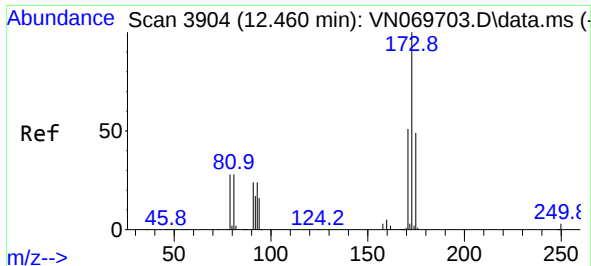


#64
Tetrachloroethene
Concen: 0.39 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Tgt Ion:164 Resp: 6530

Ion	Ratio	Lower	Upper
164	100		
166	105.6	101.9	152.9
129	83.7	72.0	108.0
131	80.7	70.9	106.3

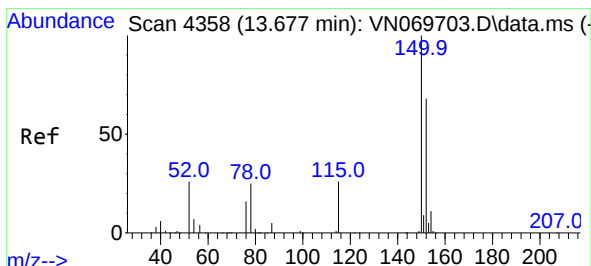
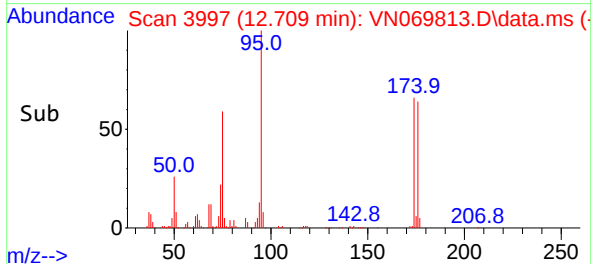
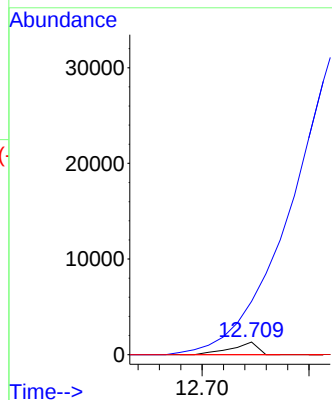
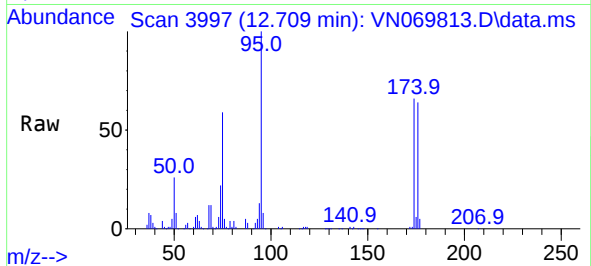




#71
Bromoform
Concen: 2.76 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

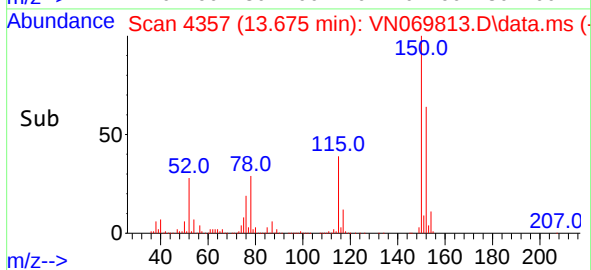
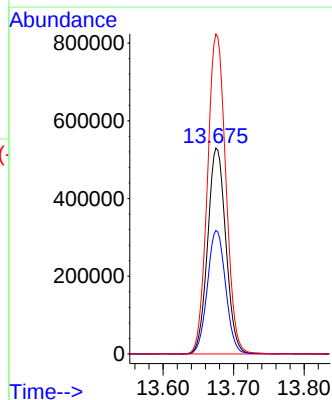
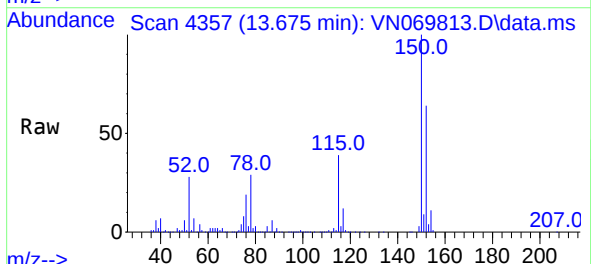
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20211202

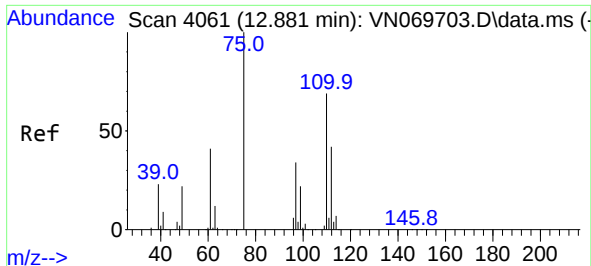
Tgt Ion:173 Resp: 448
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Tgt Ion:152 Resp: 949559
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 157.1 0.0 344.4

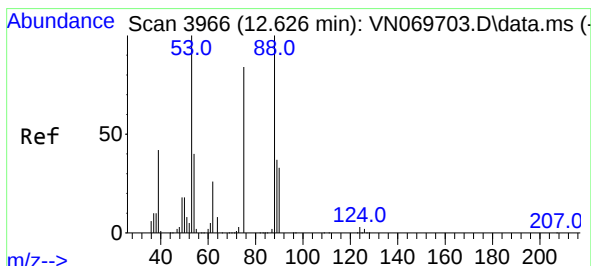
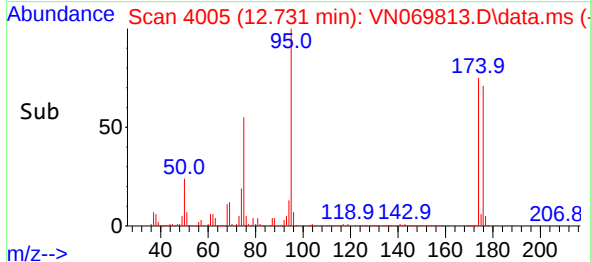
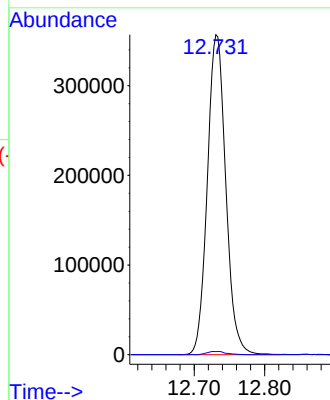
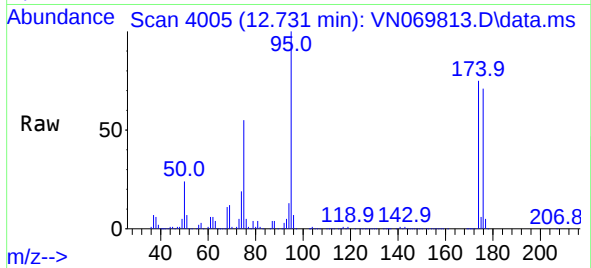




#76
1,2,3-Trichloropropane
Concen: 23.80 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

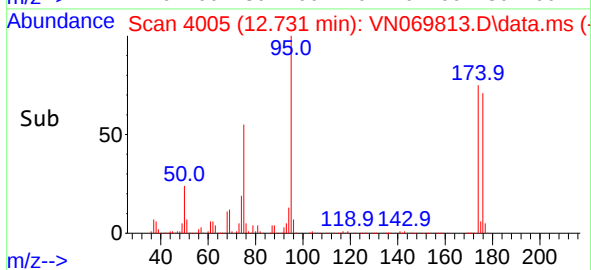
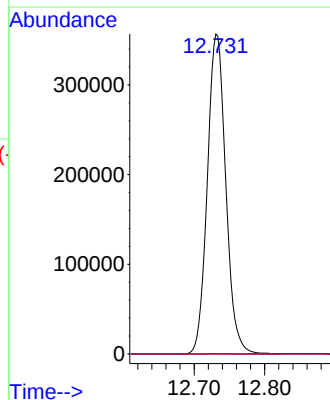
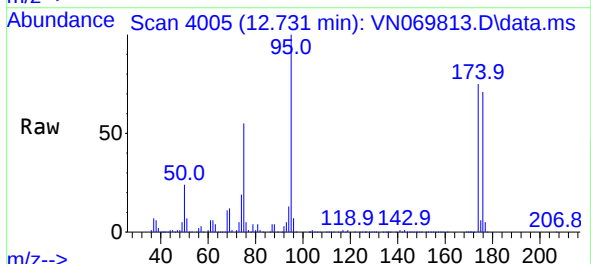
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20211202

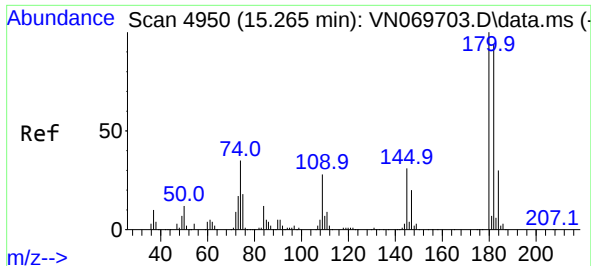
Tgt Ion: 75 Resp: 648029
Ion Ratio Lower Upper
75 100
77 0.5 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.62 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

Tgt Ion: 75 Resp: 648029
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

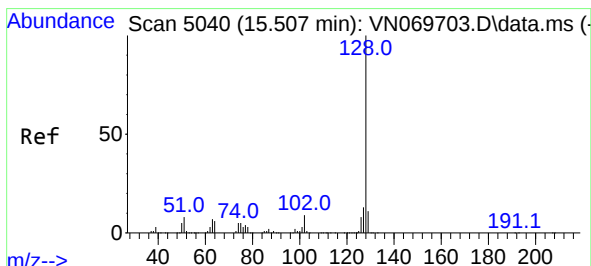
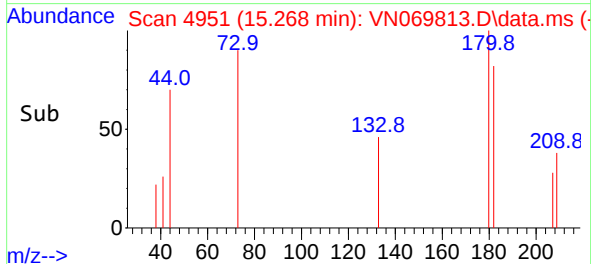
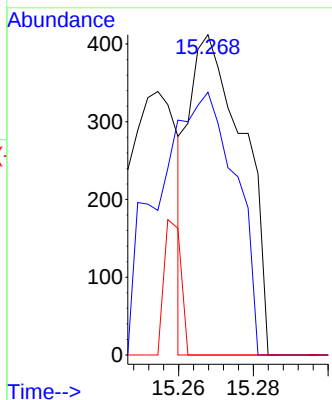
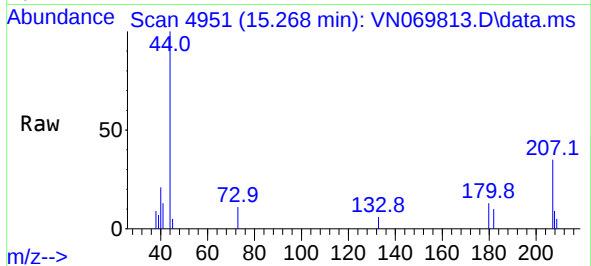




#93
1,2,4-Trichlorobenzene
Concen: 2.90 ug/l
RT: 15.268 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

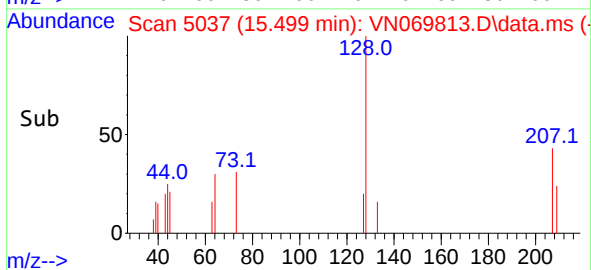
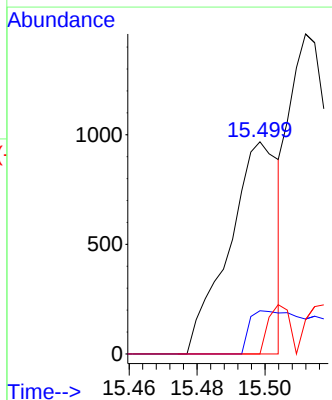
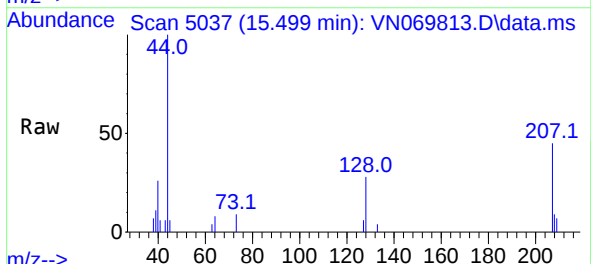
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20211202

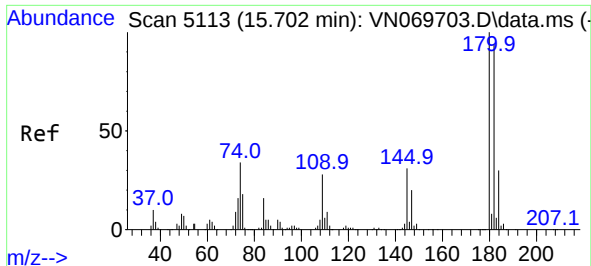
Tgt Ion:180 Resp: 417
Ion Ratio Lower Upper
180 100
182 117.0 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.00 ug/l
RT: 15.499 min Scan# 5037
Delta R.T. -0.008 min
Lab File: VN069813.D
Acq: 7 Dec 2021 14:33

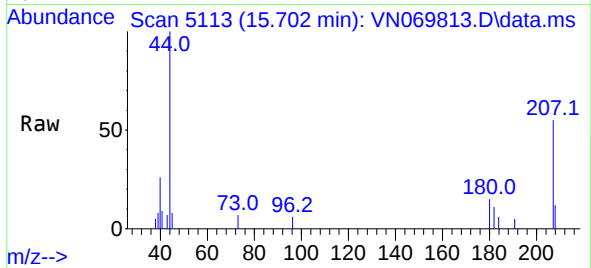
Tgt Ion:128 Resp: 978
Ion Ratio Lower Upper
128 100
127 26.3 10.5 15.7#
129 9.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.47 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN069813.D
 Acq: 7 Dec 2021 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D1-20211202



Tgt Ion:180 Resp: 532
 Ion Ratio Lower Upper
 180 100
 182 101.7 47.4 142.2
 145 11.3 15.0 45.1#

