

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068550.D
 Acq On : 18 Sep 2021 5:12
 Operator : JC/MD
 Sample : M3798-03
 Misc : 6.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NAPL-07-(15-18)

Quant Time: Sep 20 06:02:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

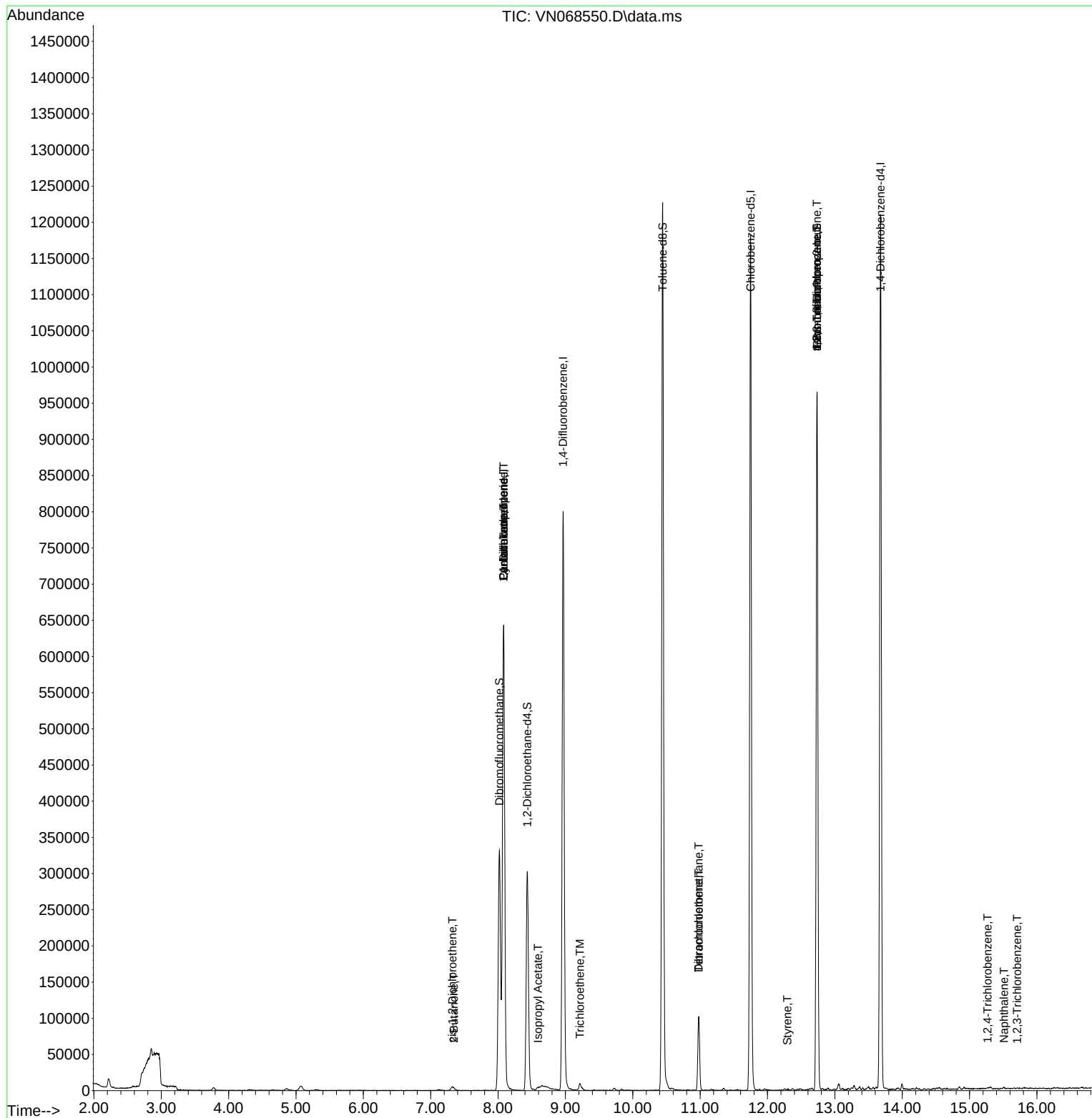
Internal Standards						
1) Pentafluorobenzene	8.083	168	590102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	811249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	763486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	368995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	255406	47.184	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.360%		
35) Dibromofluoromethane	8.018	113	242090	49.478	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.960%		
50) Toluene-d8	10.443	98	927917	46.508	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.020%		
62) 4-Bromofluorobenzene	12.733	95	328943	49.751	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.500%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	460	Below Cal	#	42
5) Bromomethane	2.845	94	150	Below Cal	#	64
11) Tert butyl alcohol	5.326	59	327	Below Cal	#	84
16) Acetone	4.309	43	2284	Below Cal	#	80
18) Methyl Acetate	4.864	43	5433	Below Cal	#	74
20) Methylene Chloride	5.071	84	6362	Below Cal	#	88
25) 2-Butanone	7.343	43	1506	0.573 ug/l	#	87
27) cis-1,2-Dichloroethene	7.321	96	3844	0.618 ug/l		82
31) Cyclohexane	8.083	56	8085	0.986 ug/l	#	31
36) 1,1-Dichloropropene	8.080	75	31715	4.689 ug/l	#	41
38) Carbon Tetrachloride	8.083	117	49431	6.101 ug/l	#	16
43) Isopropyl Acetate	8.592	43	2314	0.255 ug/l	#	51
44) Trichloroethene	9.215	130	4069	0.642 ug/l		88
60) Dibromochloromethane	10.979	129	23477	4.936 ug/l	#	11
64) Tetrachloroethene	10.977	164	27795	4.108 ug/l		93
70) Styrene	12.296	104	268	1.768 ug/l	#	78
71) Bromoform	12.736	173	4198	3.211 ug/l	#	1
76) 1,2,3-Trichloropropane	12.733	75	162610	31.643 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.733	75	162610	97.664 ug/l	#	13
93) 1,2,4-Trichlorobenzene	15.268	180	359	3.008 ug/l	#	76
95) Naphthalene	15.509	128	2904	3.681 ug/l	#	82
96) 1,2,3-Trichlorobenzene	15.705	180	190	3.002 ug/l	#	25

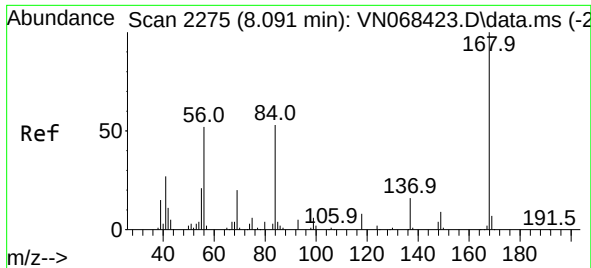
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 17 11:02:11 2021
Response via : Initial Calibration

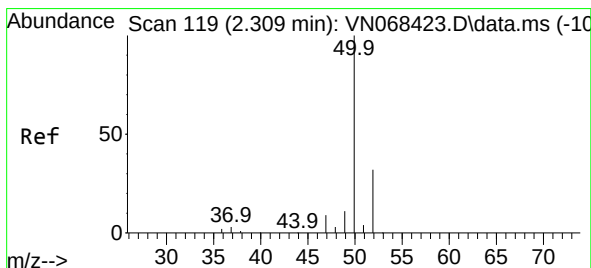
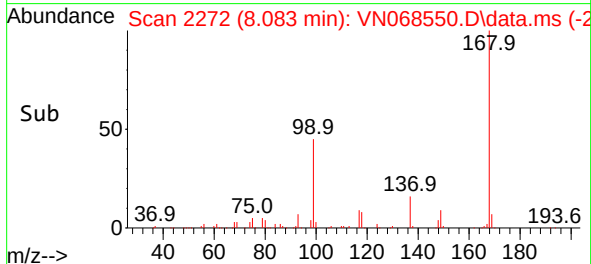
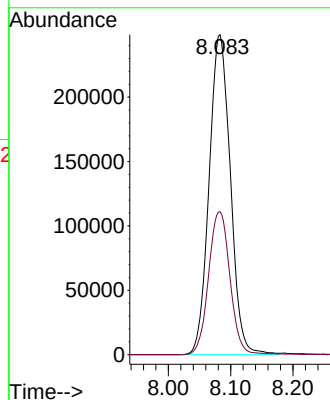
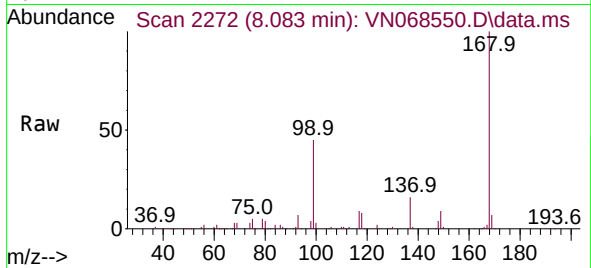




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.008 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

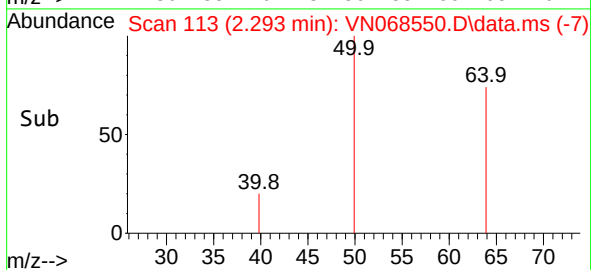
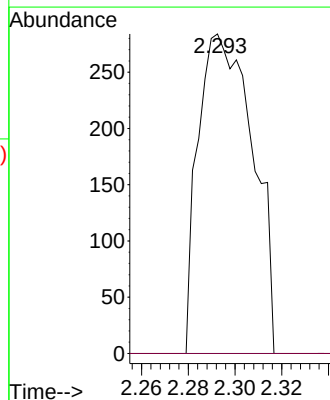
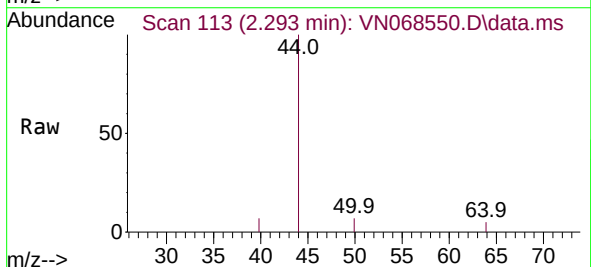
Instrument :
MSVOA_N
ClientSampleId :
NAPL-07-(15-18)

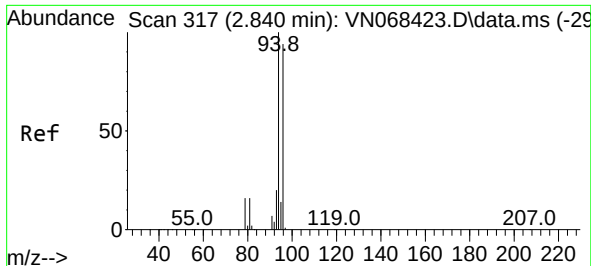
Tgt Ion:168 Resp: 590102
Ion Ratio Lower Upper
168 100
99 44.7 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 113
Delta R.T. -0.017 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion: 50 Resp: 460
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

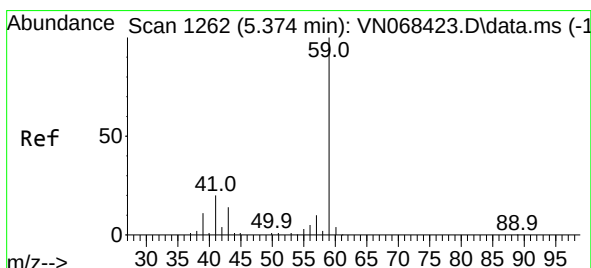
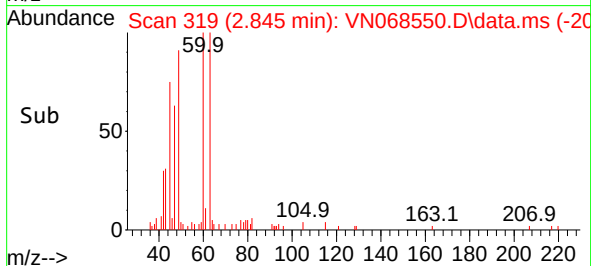
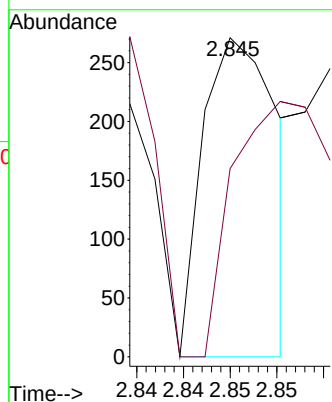
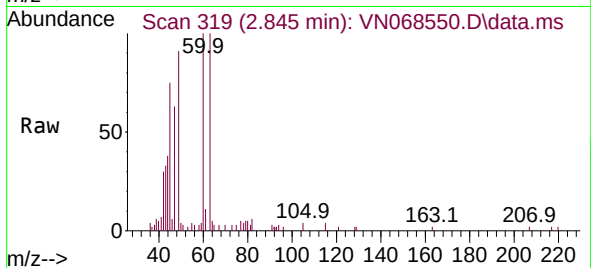




#5
Bromomethane
Concen: Below Cal
RT: 2.845 min Scan# 319
Delta R.T. 0.005 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

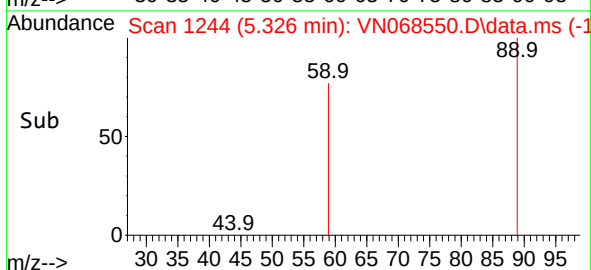
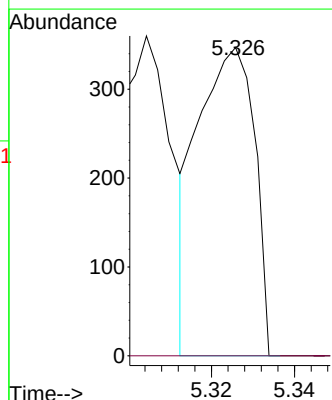
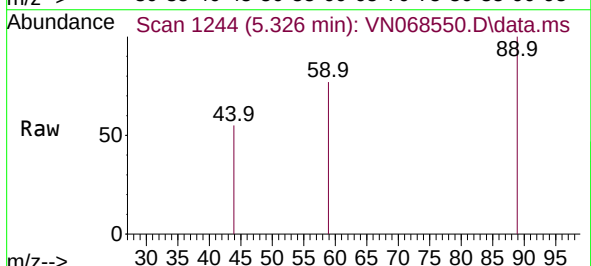
Instrument :
MSVOA_N
ClientSampleId :
NAPL-07-(15-18)

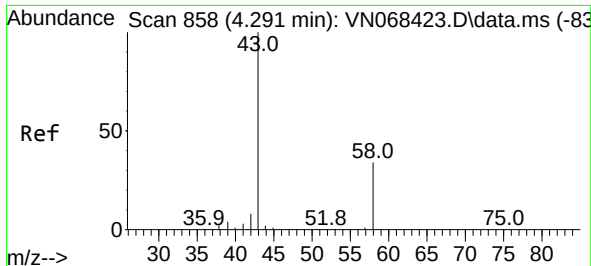
Tgt Ion: 94 Resp: 150
Ion Ratio Lower Upper
94 100
96 59.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.326 min Scan# 1244
Delta R.T. -0.048 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

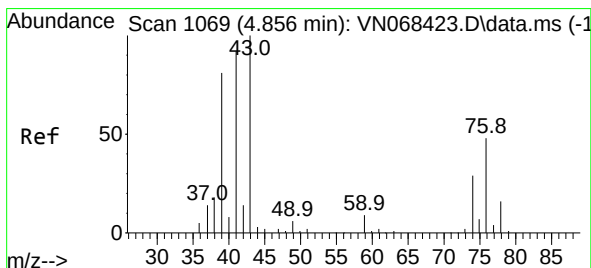
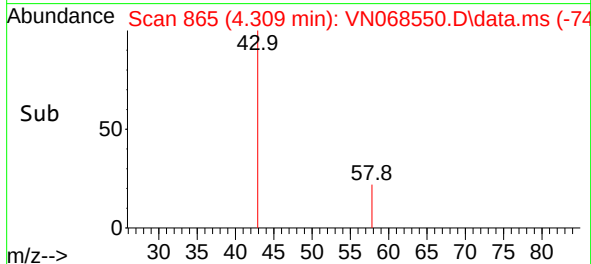
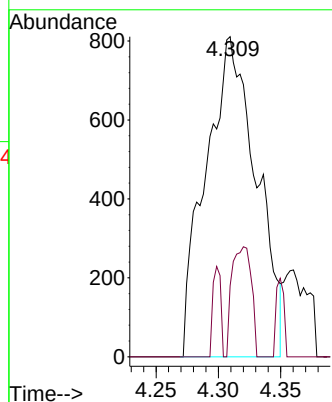
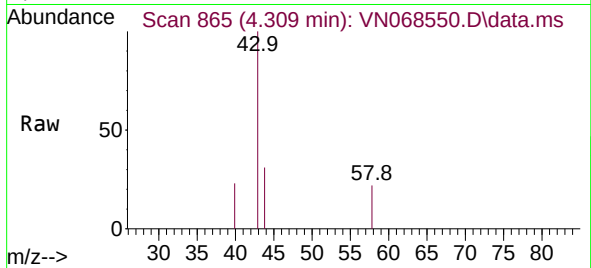




#16
Acetone
Concen: Below Cal
RT: 4.309 min Scan# 865
Delta R.T. 0.018 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

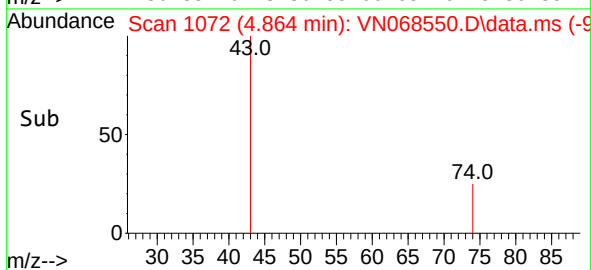
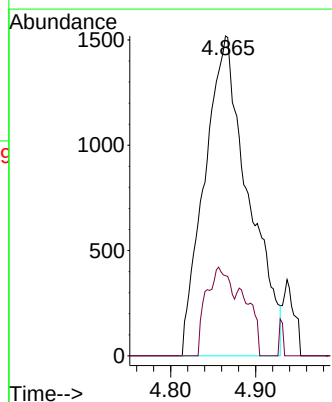
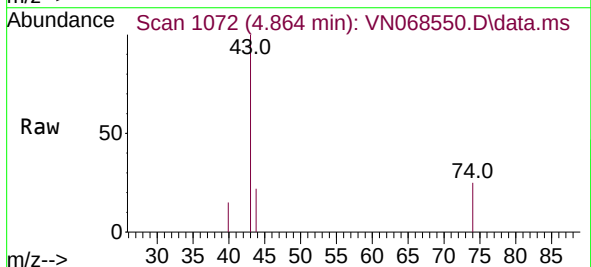
Instrument :
MSVOA_N
ClientSampled :
NAPL-07-(15-18)

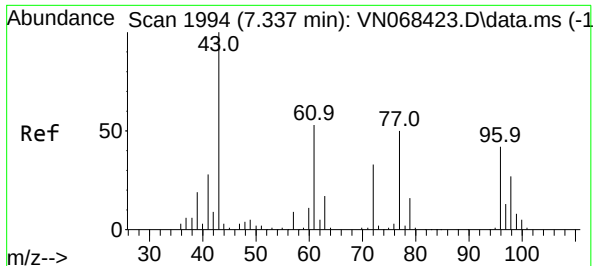
Tgt Ion: 43 Resp: 2284
Ion Ratio Lower Upper
43 100
58 22.2 27.0 40.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.864 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion: 43 Resp: 5433
Ion Ratio Lower Upper
43 100
74 15.7 23.5 35.3#

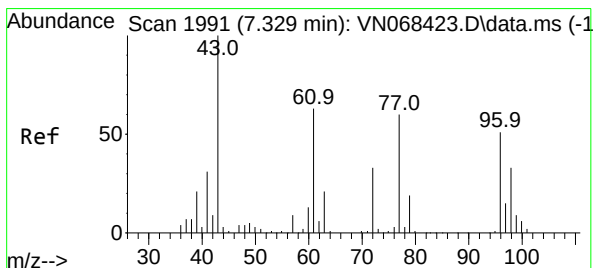
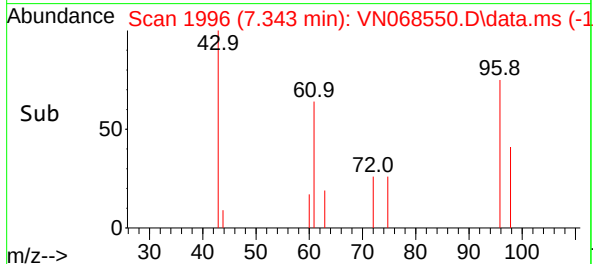
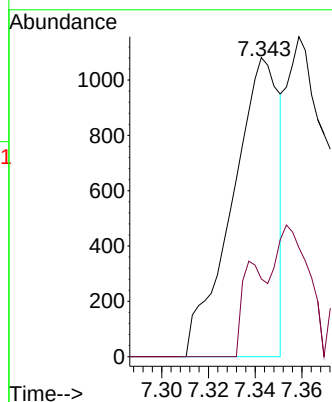
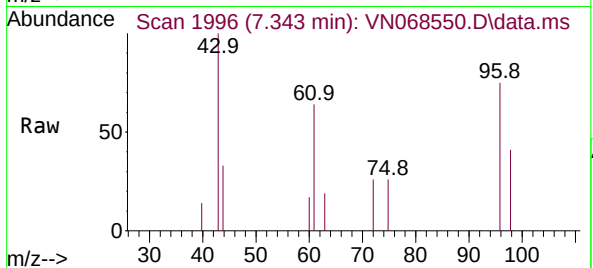




#25
2-Butanone
Concen: 0.573 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

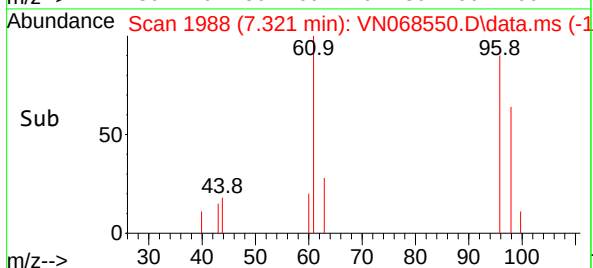
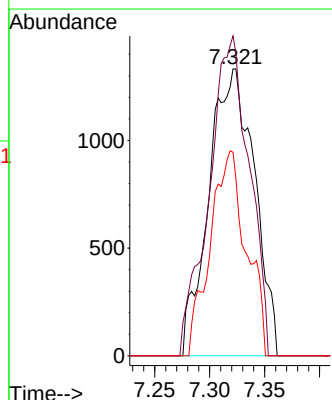
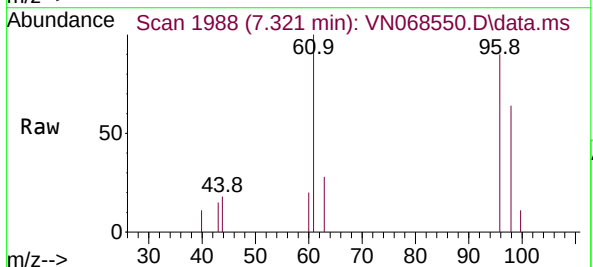
Instrument :
MSVOA_N
ClientSampled :
NAPL-07-(15-18)

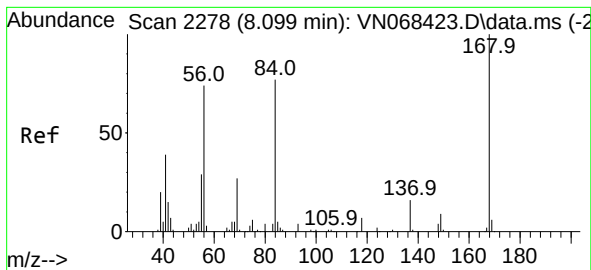
Tgt Ion: 43 Resp: 1506
Ion Ratio Lower Upper
43 100
72 26.0 26.7 40.1#



#27
cis-1,2-Dichloroethene
Concen: 0.618 ug/l
RT: 7.321 min Scan# 1988
Delta R.T. -0.008 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion: 96 Resp: 3844
Ion Ratio Lower Upper
96 100
61 98.2 0.0 246.4
98 56.7 0.0 130.4

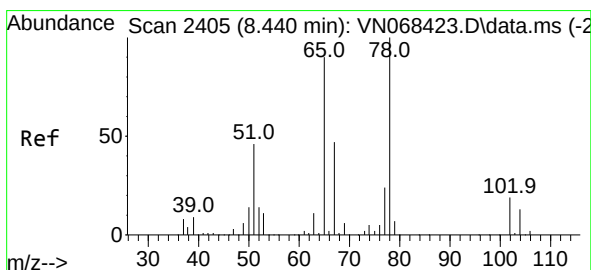
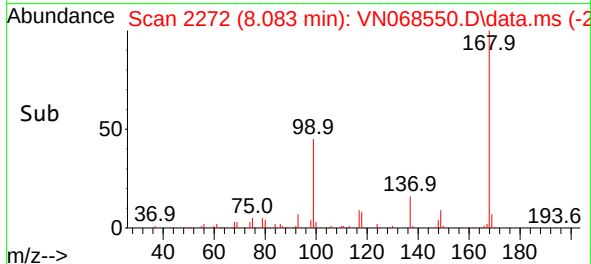
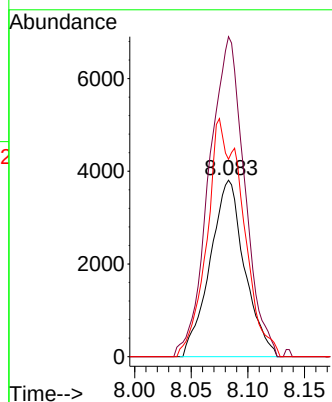
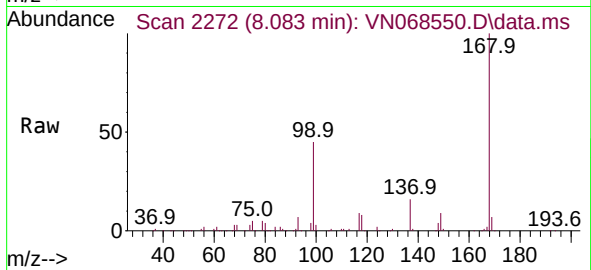




#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.016 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

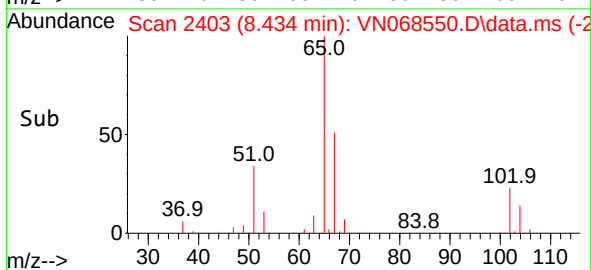
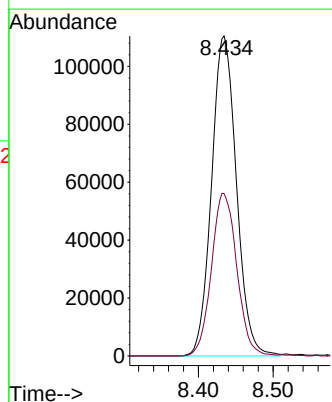
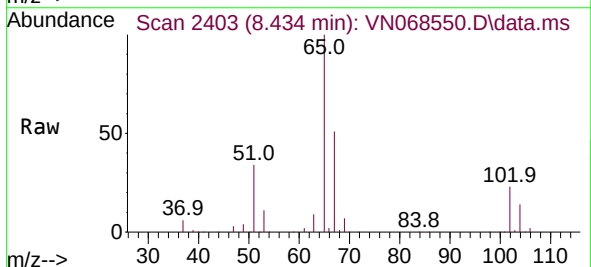
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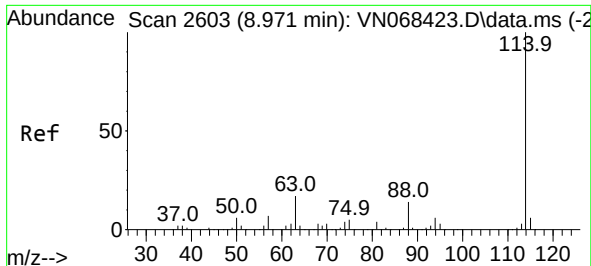
Tgt Ion: 56 Resp: 8085
Ion Ratio Lower Upper
56 100
69 181.3 29.4 44.0#
84 111.9 83.6 125.4



#33
1,2-Dichloroethane-d4
Concen: 47.184 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion: 65 Resp: 255406
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.0

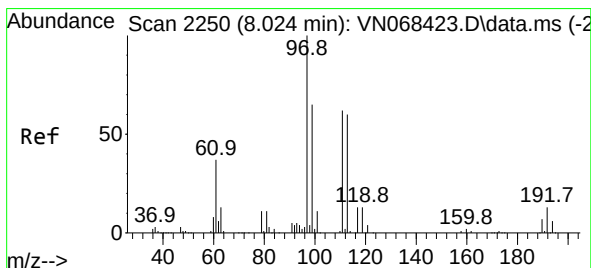
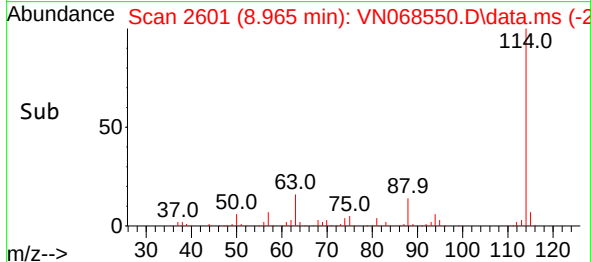
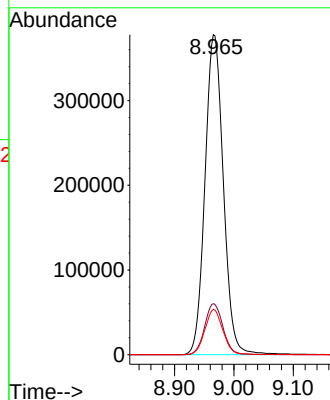
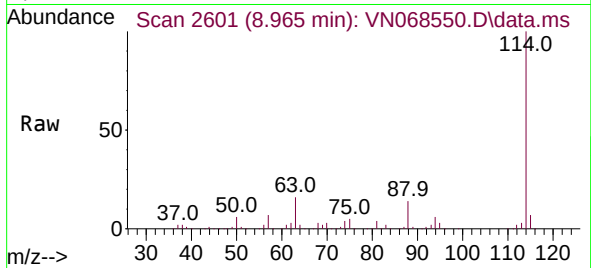




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.006 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

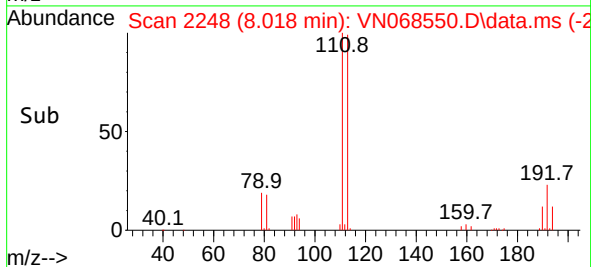
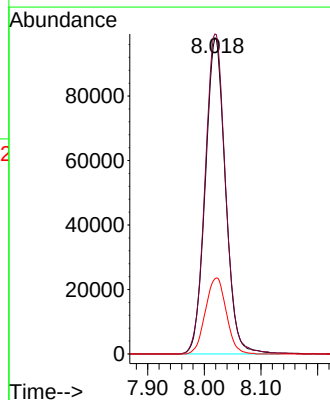
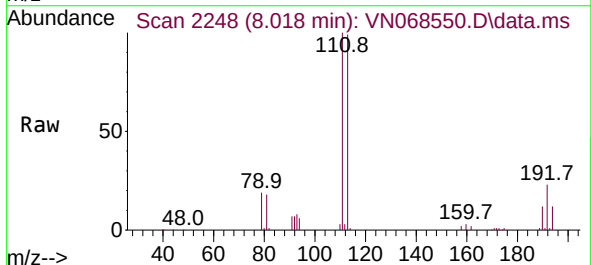
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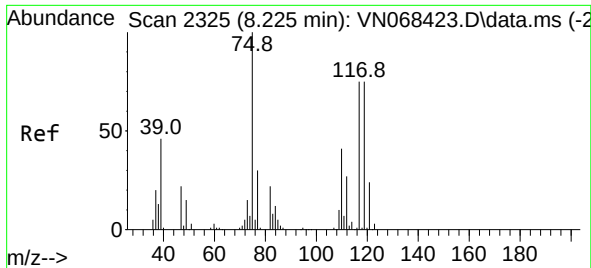
Tgt Ion:114 Resp: 811249
Ion Ratio Lower Upper
114 100
63 16.0 0.0 33.2
88 14.1 0.0 28.4



#35
Dibromofluoromethane
Concen: 49.478 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.005 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion:113 Resp: 242090
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 24.9 17.7 26.5

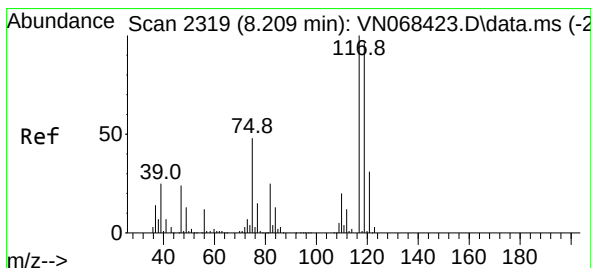
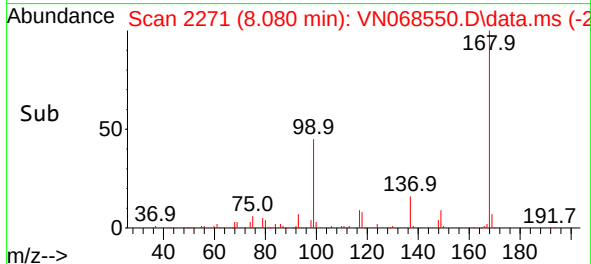
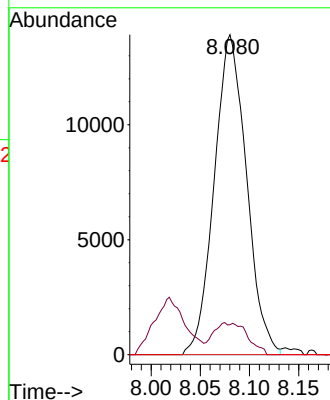
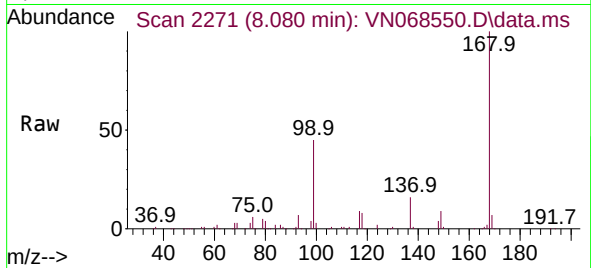




#36
1,1-Dichloropropene
Concen: 4.689 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.145 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

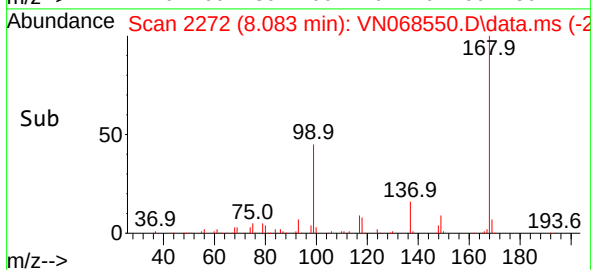
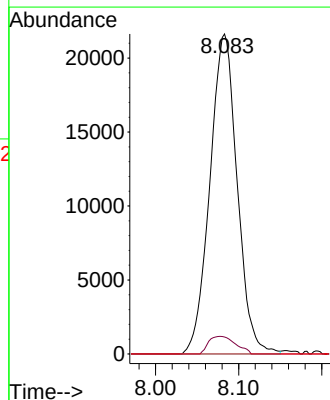
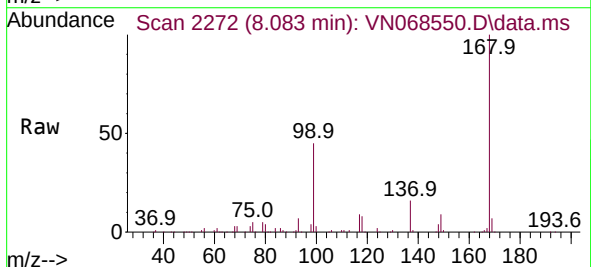
Instrument :
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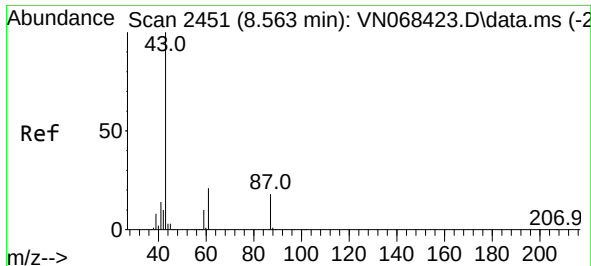
Tgt Ion: 75 Resp: 31715
Ion Ratio Lower Upper
75 100
110 3.0 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.101 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.126 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion: 117 Resp: 49431
Ion Ratio Lower Upper
117 100
119 5.3 76.6 114.8#
121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 0.255 ug/l

RT: 8.592 min Scan# 2462

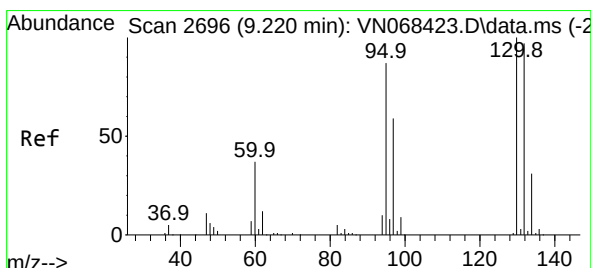
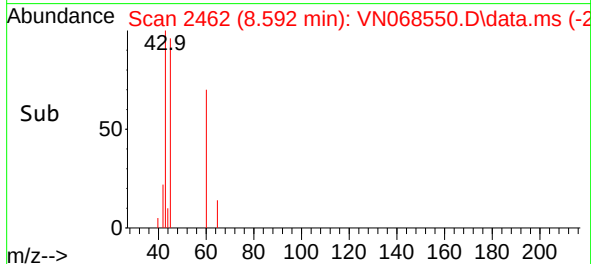
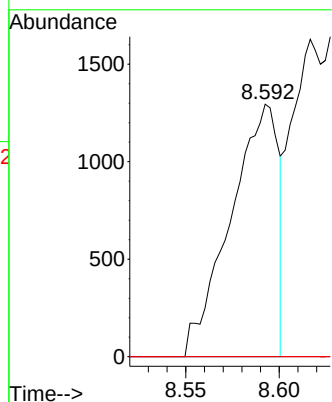
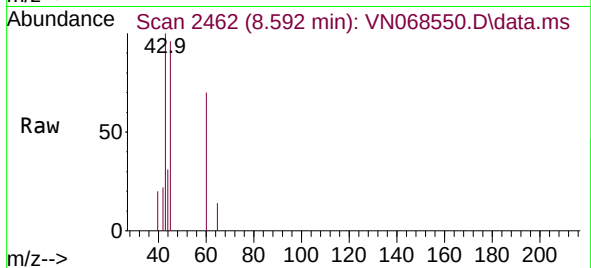
Delta R.T. 0.029 min

Lab File: VN068550.D

Acq: 18 Sep 2021 5:12

Tgt Ion: 43	Resp: 2314
Ion Ratio	Lower Upper
43	100
61	0.0 23.3 34.9#
87	0.0 13.8 20.6#

Instrument :
MSVOA_N
ClientSampleId :
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#44

Trichloroethene

Concen: 0.642 ug/l

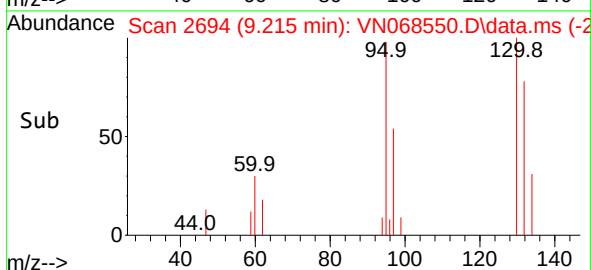
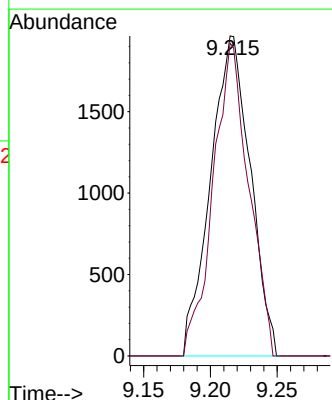
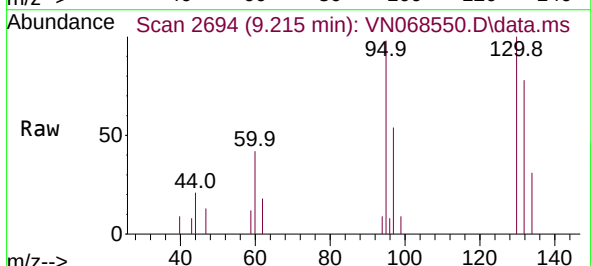
RT: 9.215 min Scan# 2694

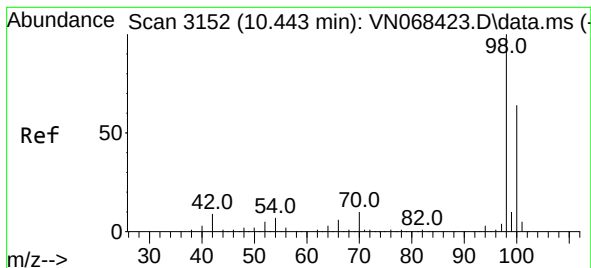
Delta R.T. -0.005 min

Lab File: VN068550.D

Acq: 18 Sep 2021 5:12

Tgt Ion: 130	Resp: 4069
Ion Ratio	Lower Upper
130	100
95	97.8 0.0 173.8

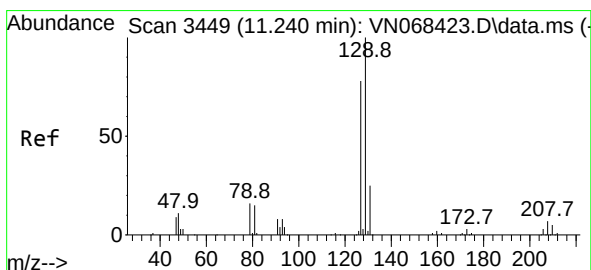
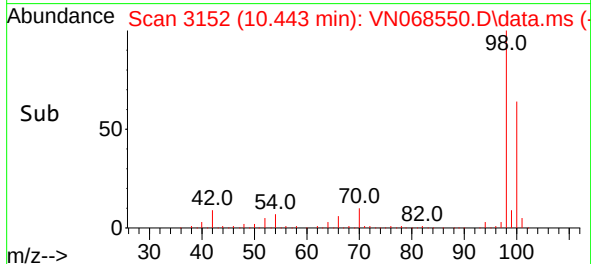
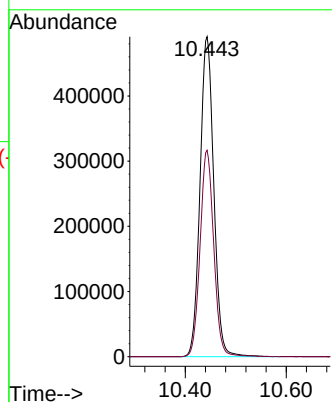
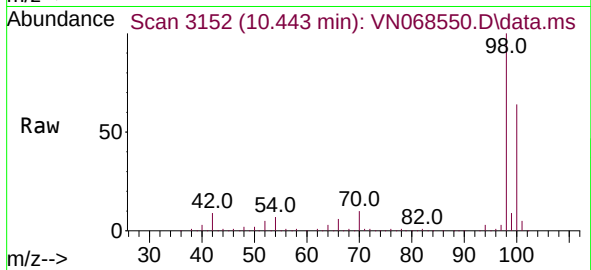




#50
Toluene-d8
Concen: 46.508 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

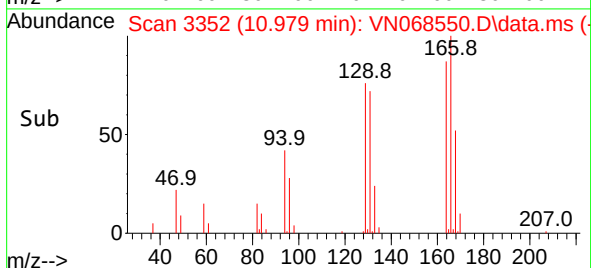
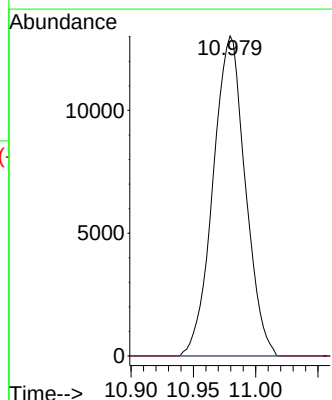
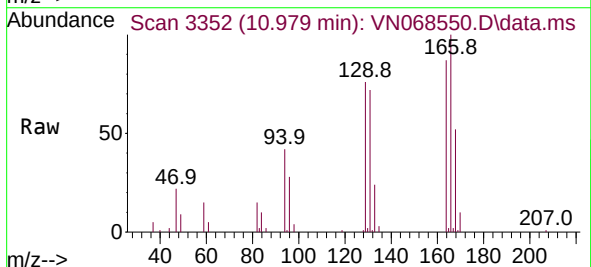
Instrument :
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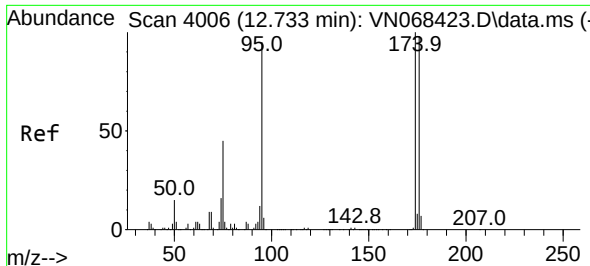
Tgt Ion: 98 Resp: 927917
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.6



#60
Dibromochloromethane
Concen: 4.936 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion:129 Resp: 23477
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

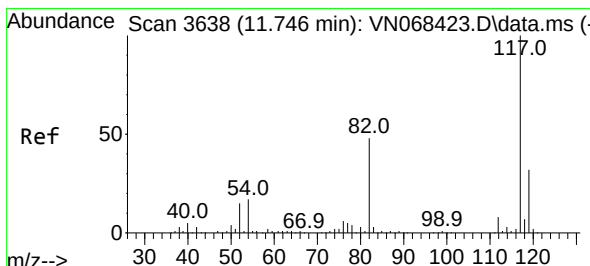
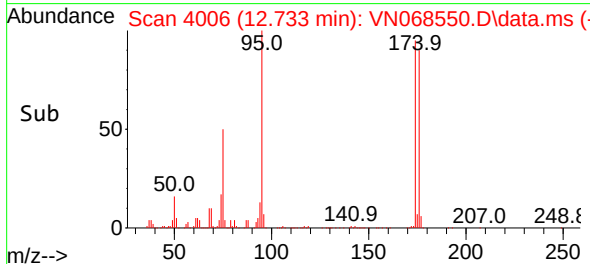
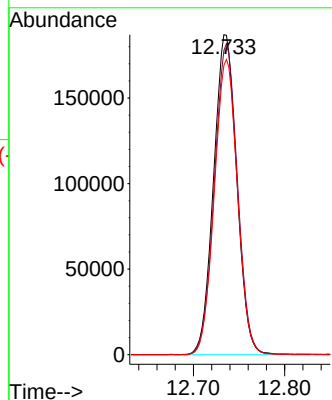
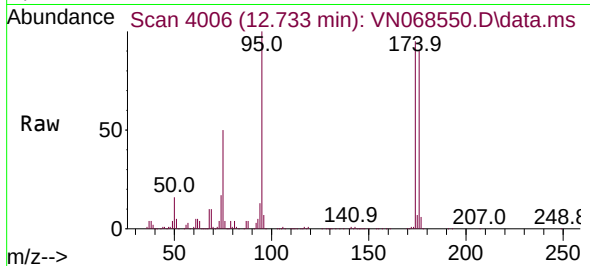




#62
4-Bromofluorobenzene
Concen: 49.751 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

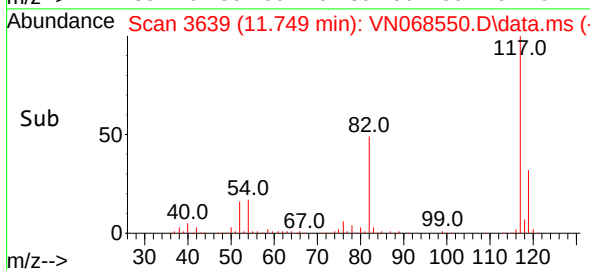
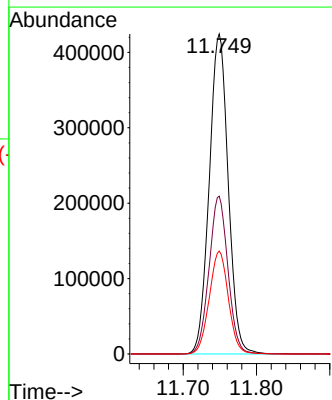
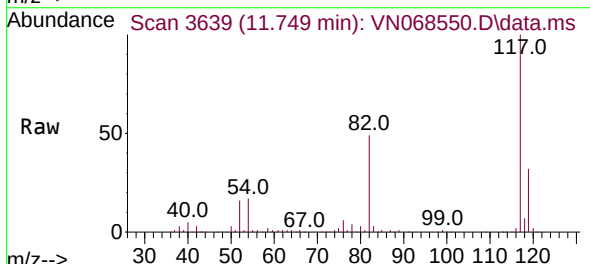
Instrument :
MSVOA_N
ClientSampleId :
NAPL-07-(15-18)

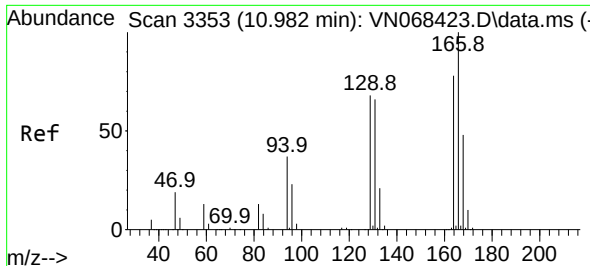
Tgt Ion: 95 Resp: 328943
Ion Ratio Lower Upper
95 100
174 97.2 0.0 214.0
176 92.3 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion: 117 Resp: 763486
Ion Ratio Lower Upper
117 100
82 49.3 38.7 58.1
119 32.2 25.5 38.3



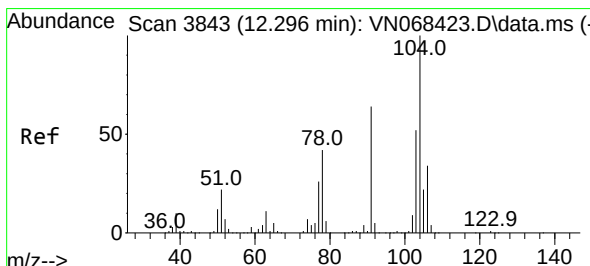
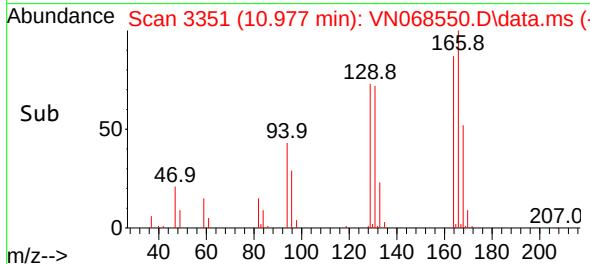
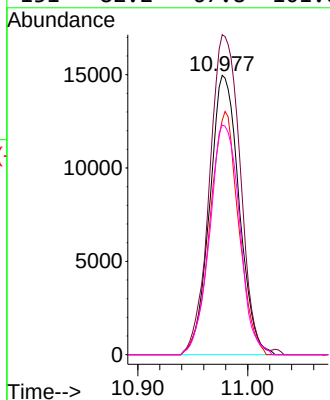
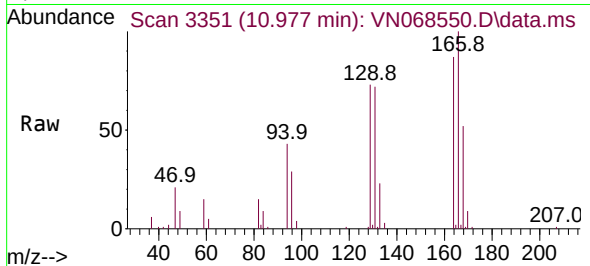


#64
Tetrachloroethene
Concen: 4.108 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.005 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Instrument :
MSVOA_N
ClientSampleId :
NAPL-07-(15-18)

Tgt Ion:164 Resp: 27795

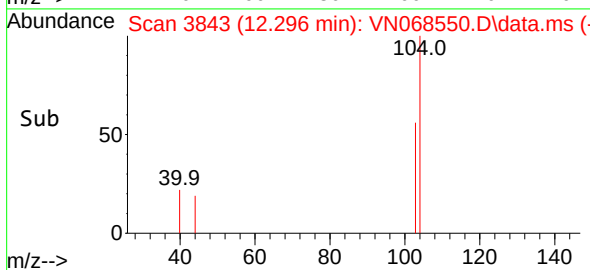
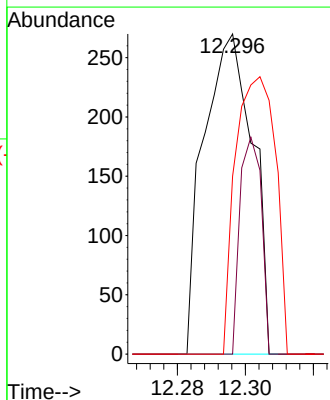
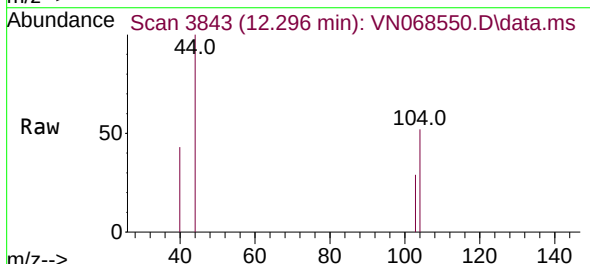
Ion	Ratio	Lower	Upper
164	100		
166	114.6	102.9	154.3
129	83.9	70.1	105.1
131	82.2	67.8	101.6

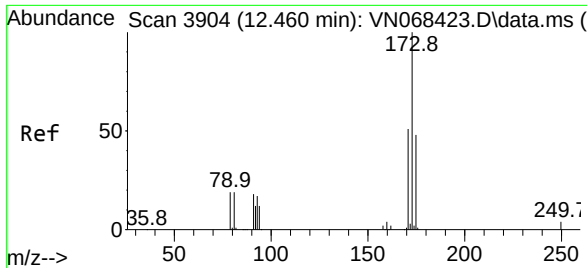


#70
Styrene
Concen: 1.768 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion:104 Resp: 268

Ion	Ratio	Lower	Upper
104	100		
78	29.9	36.2	54.2#
103	71.3	44.4	66.6#

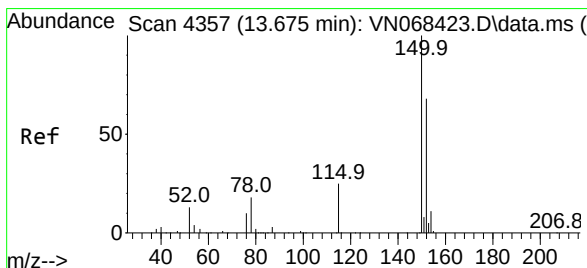
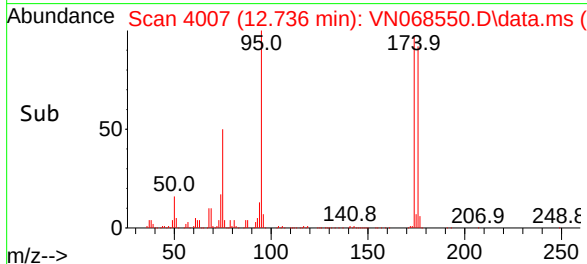
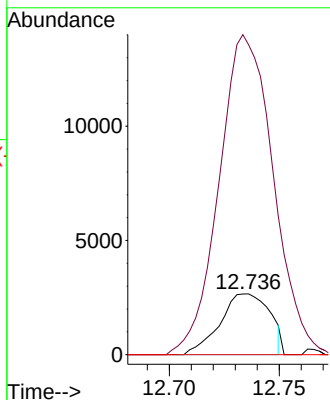
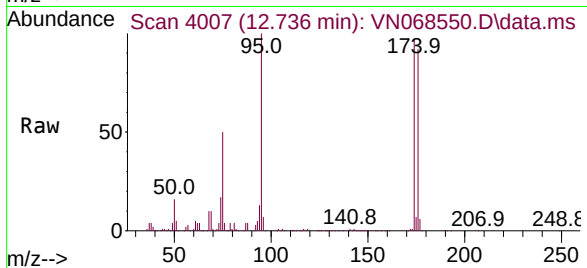




#71
Bromoform
Concen: 3.211 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

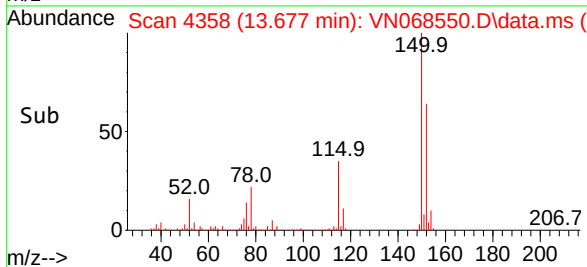
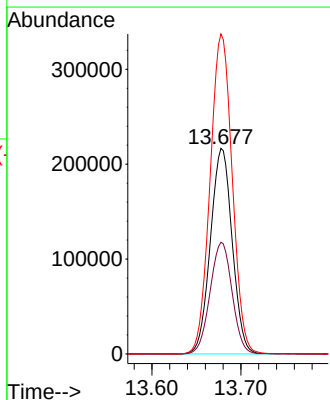
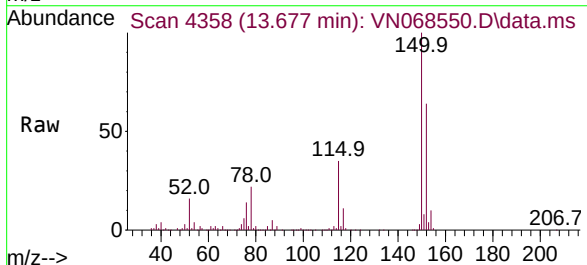
Instrument :
MSVOA_N
ClientSampleId :
NAPL-07-(15-18)

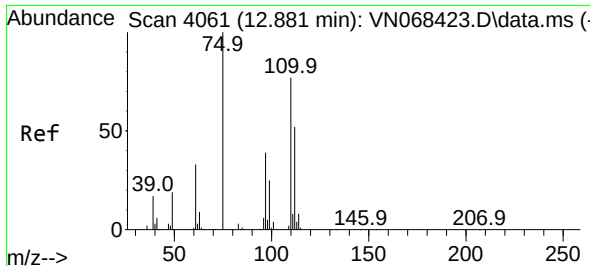
Tgt Ion:173 Resp: 4198
Ion Ratio Lower Upper
173 100
175 523.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion:152 Resp: 368995
Ion Ratio Lower Upper
152 100
115 54.8 25.6 76.6
150 157.6 0.0 346.8

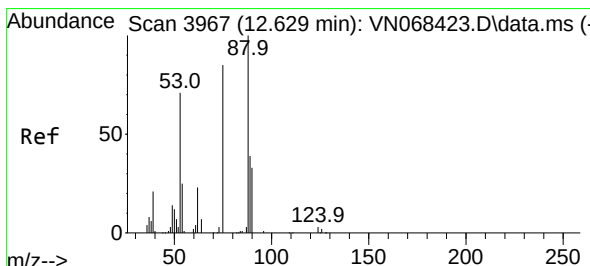
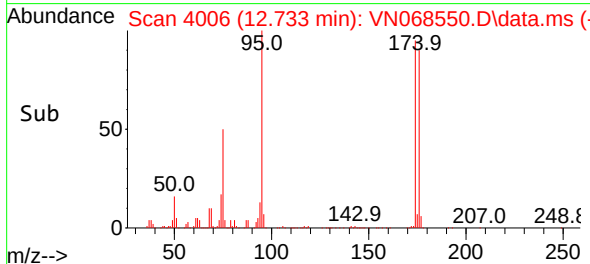
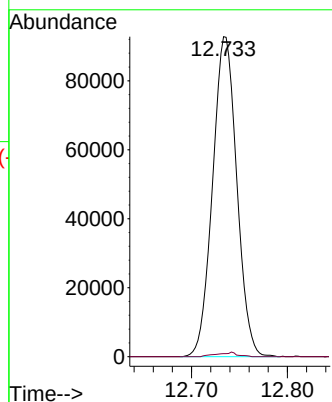
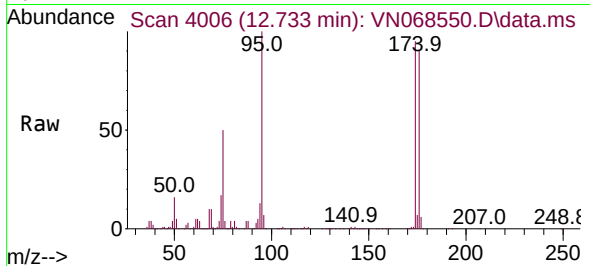




#76
1,2,3-Trichloropropane
Concen: 31.643 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

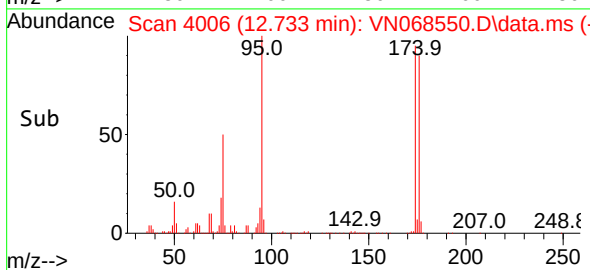
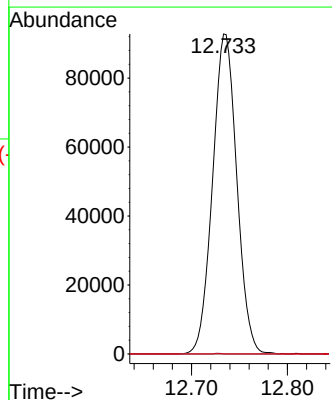
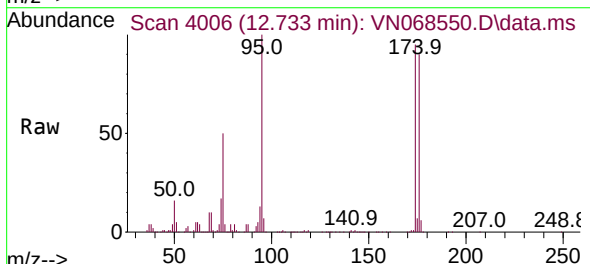
Instrument :
MSVOA_N
ClientSampleId :
NAPL-07-(15-18)

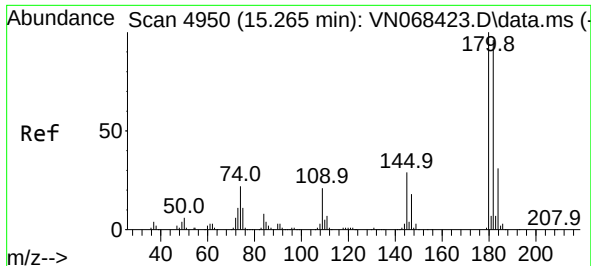
Tgt Ion: 75 Resp: 162610
Ion Ratio Lower Upper
75 100
77 1.2 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.664 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

Tgt Ion: 75 Resp: 162610
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.0 39.5 59.3#

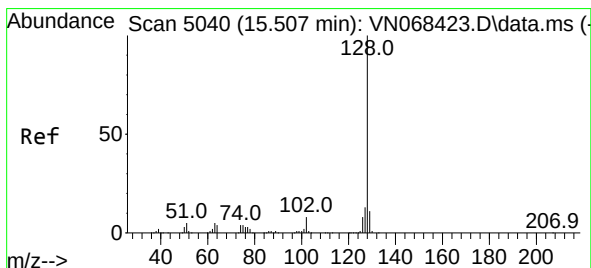
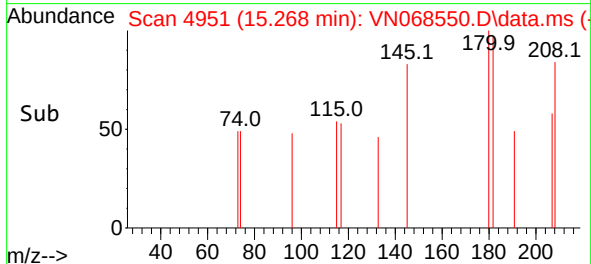
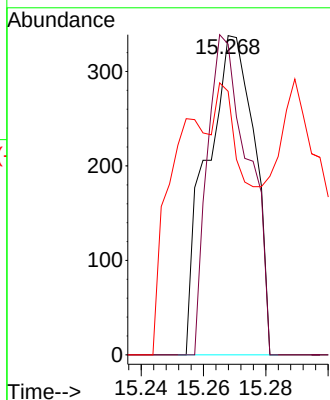
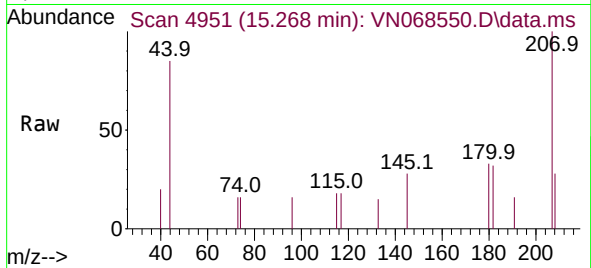




#93
1,2,4-Trichlorobenzene
Concen: 3.008 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

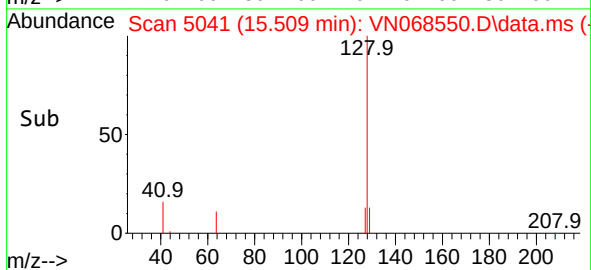
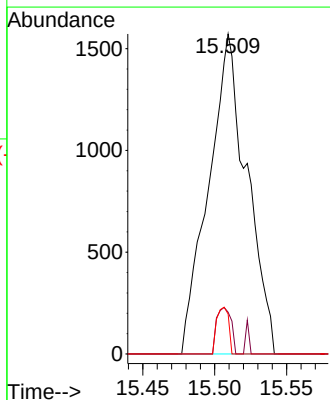
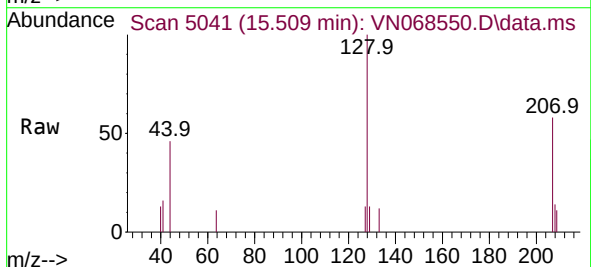
Instrument :
MSVOA_N
ClientSampleId :
NAPL-07-(15-18)

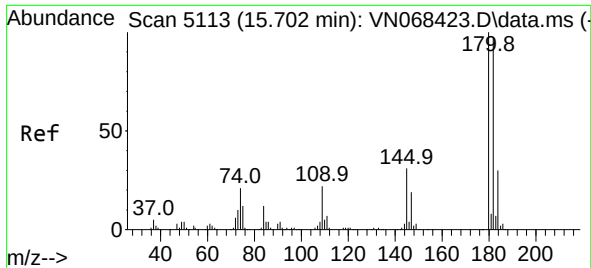
Tgt Ion:180 Resp: 359
Ion Ratio Lower Upper
180 100
182 86.4 47.5 142.6
145 68.5 14.1 42.4#



#95
Naphthalene
Concen: 3.681 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068550.D
Acq: 18 Sep 2021 5:12

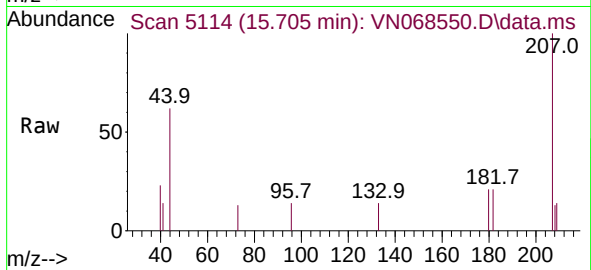
Tgt Ion:128 Resp: 2904
Ion Ratio Lower Upper
128 100
127 5.5 10.6 15.8#
129 4.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.002 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN068550.D
 Acq: 18 Sep 2021 5:12

Instrument :
 MSVOA_N
 ClientSampleId :
 NAPL-07-(15-18)



Tgt Ion:	180	Resp:	190
Ion	Ratio	Lower	Upper
180	100		
182	175.8	47.9	143.6#
145	58.4	15.2	45.5#

