

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068541.D
 Acq On : 18 Sep 2021 1:25
 Operator : JC/MD
 Sample : M3750-06
 Misc : 5.92g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NAPL-AREA-04-(8-10)-END-POINTM

Quant Time: Sep 20 05:59:14 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)

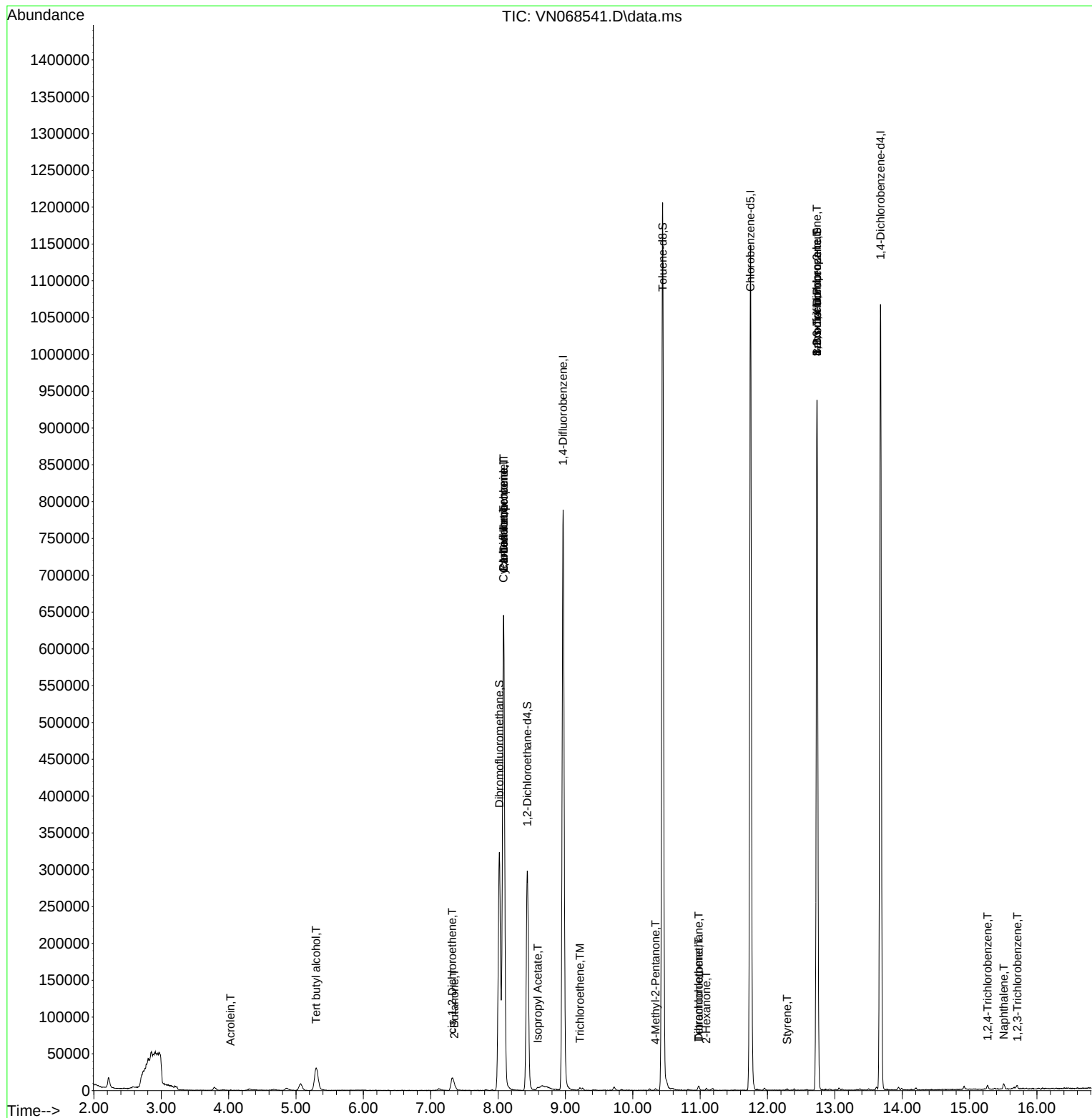
Internal Standards						
1) Pentafluorobenzene	8.080	168	587382	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.965	114	802590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	746967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	338114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	250238	46.443	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.880%		
35) Dibromofluoromethane	8.018	113	233764	48.292	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.580%		
50) Toluene-d8	10.443	98	922234	46.706	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.420%		
62) 4-Bromofluorobenzene	12.736	95	299581	46.129	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	403	Below Cal	#	42
5) Bromomethane	2.850	94	137	Below Cal	#	3
11) Tert butyl alcohol	5.296	59	15127	7.730	ug/l #	85
13) Acrolein	4.028	56	285	0.712	ug/l #	25
16) Acetone	4.304	43	1670	Below Cal	#	88
18) Methyl Acetate	4.862	43	3609	Below Cal		94
20) Methylene Chloride	5.068	84	5880	Below Cal		92
25) 2-Butanone	7.351	43	3300	1.260	ug/l	92
27) cis-1,2-Dichloroethene	7.319	96	10557	1.706	ug/l	92
31) Cyclohexane	8.078	56	8229	1.008	ug/l #	18
36) 1,1-Dichloropropene	8.083	75	33494	5.006	ug/l #	46
38) Carbon Tetrachloride	8.083	117	48988	6.111	ug/l #	17
43) Isopropyl Acetate	8.590	43	2455	0.273	ug/l #	51
44) Trichloroethene	9.215	130	1326	0.211	ug/l	94
51) 4-Methyl-2-Pentanone	10.336	43	1724	0.336	ug/l #	68
59) 2-Hexanone	11.092	43	1943	0.566	ug/l	84
60) Dibromochloromethane	10.977	129	1507	2.006	ug/l #	11
64) Tetrachloroethene	10.979	164	1597	0.241	ug/l	88
70) Styrene	12.291	104	415	1.777	ug/l #	81
71) Bromoform	12.733	173	1855	2.836	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	144833	30.726	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	144833	94.932	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.268	180	2064	3.266	ug/l	94
95) Naphthalene	15.507	128	8154	4.063	ug/l	98
96) 1,2,3-Trichlorobenzene	15.710	180	2373	3.349	ug/l #	86

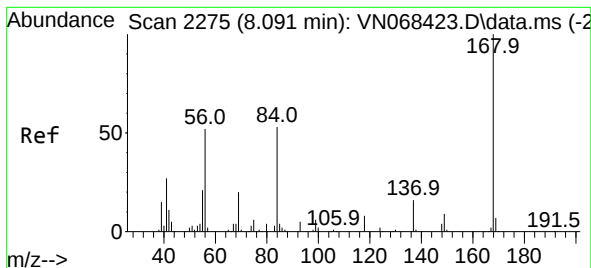
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.011 min

Lab File: VN068541.D

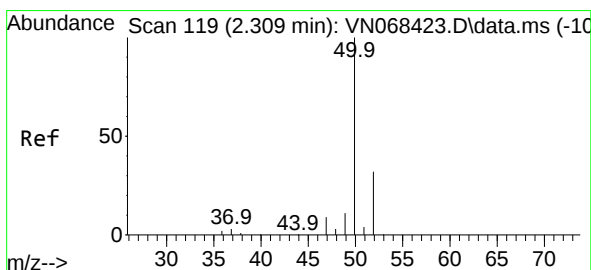
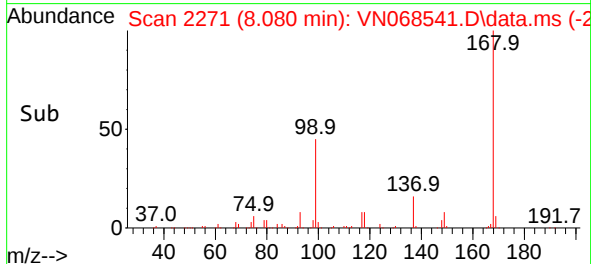
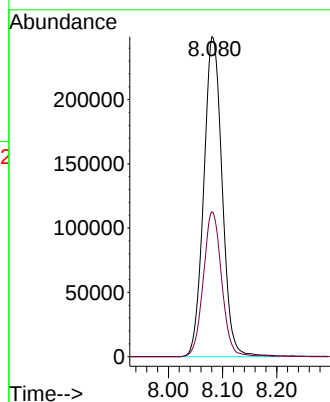
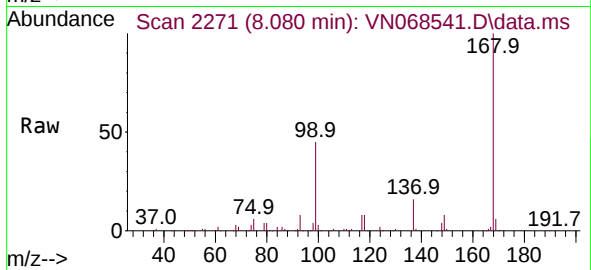
Acq: 18 Sep 2021 1:25

Tgt Ion:168 Resp: 587382

Ion Ratio Lower Upper

168 100

99 45.3 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.293 min Scan# 113

Delta R.T. -0.017 min

Lab File: VN068541.D

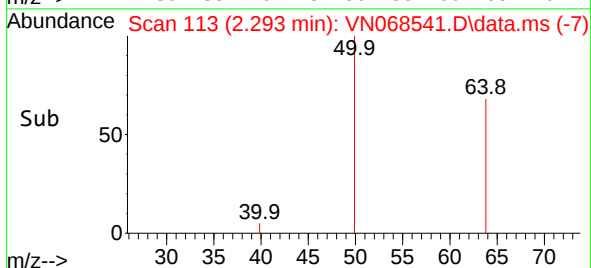
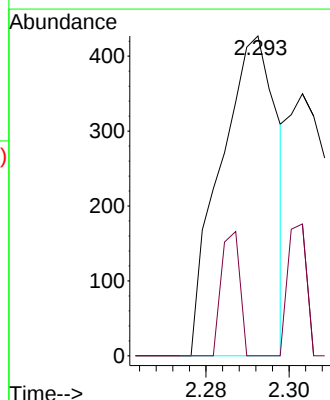
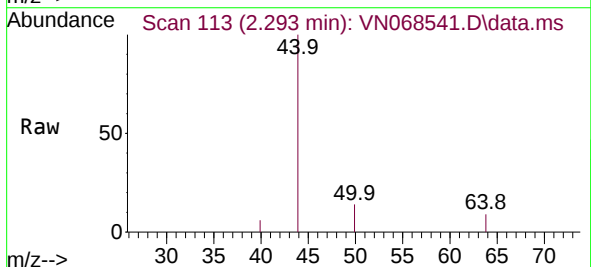
Acq: 18 Sep 2021 1:25

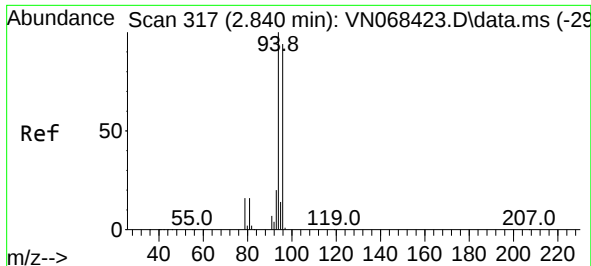
Tgt Ion: 50 Resp: 403

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.6#

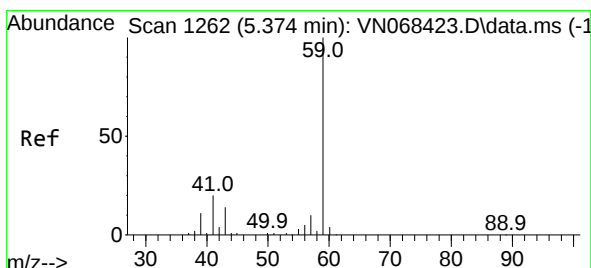
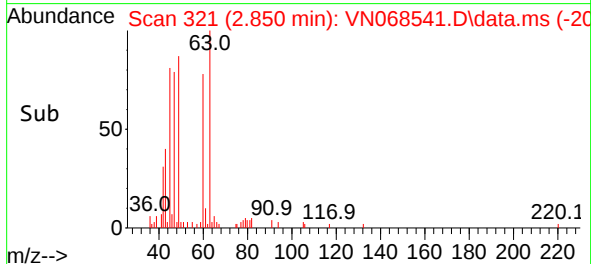
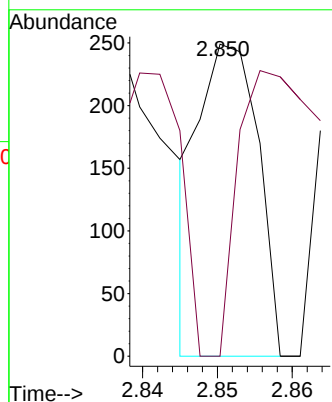
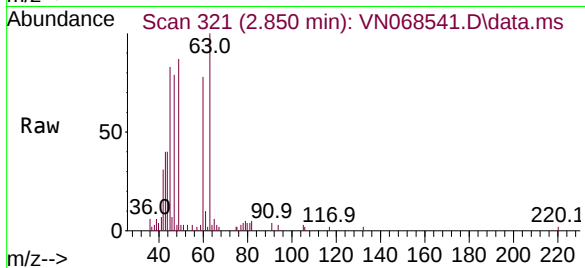




#5
Bromomethane
Concen: Below Cal
RT: 2.850 min Scan# 321
Delta R.T. 0.010 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

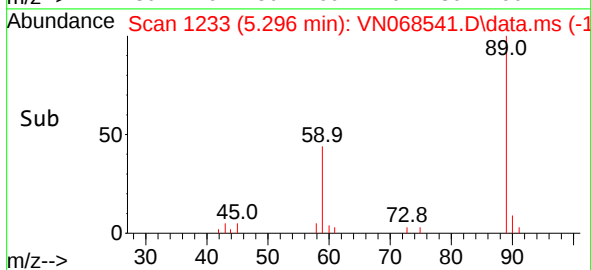
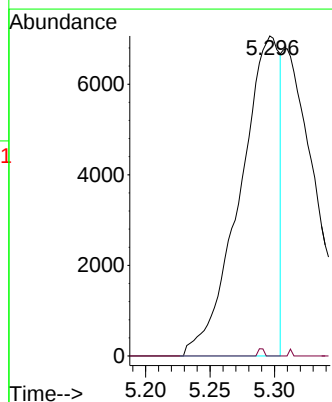
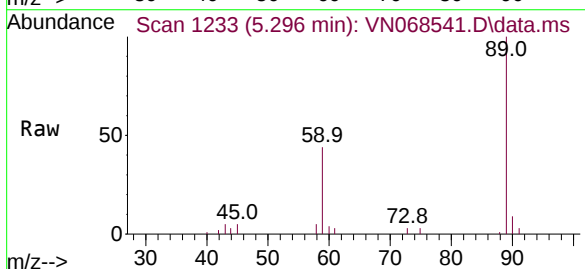
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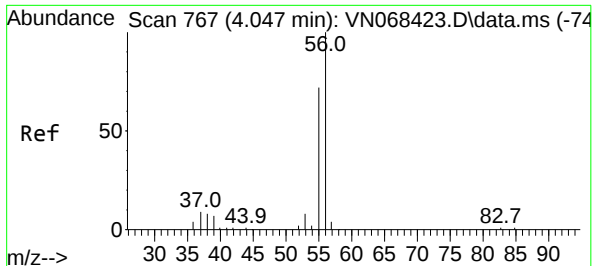
Tgt Ion: 94 Resp: 137
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: 7.730 ug/l
RT: 5.296 min Scan# 1233
Delta R.T. -0.078 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion: 59 Resp: 15127
Ion Ratio Lower Upper
59 100
57 0.3 4.3 6.5#

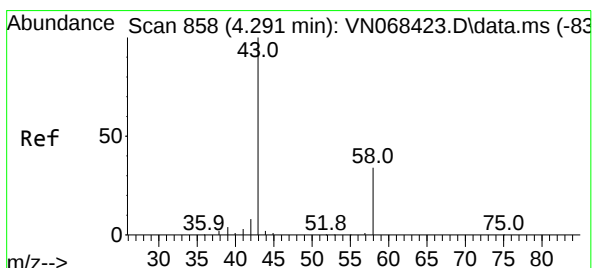
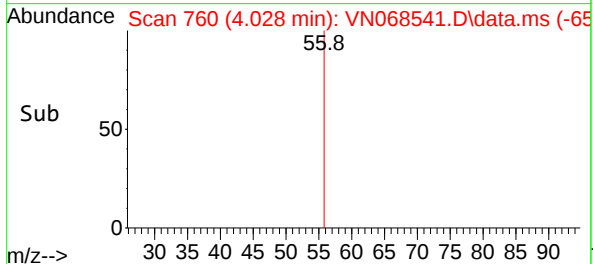
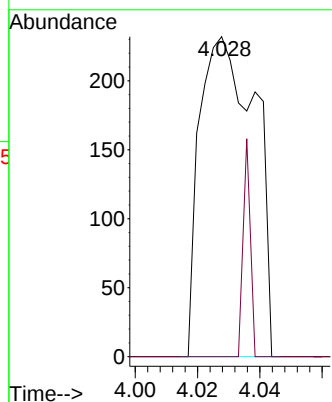
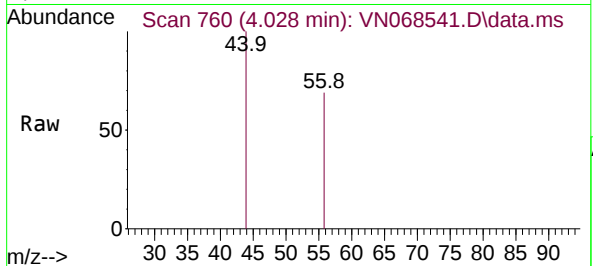




#13
Acrolein
Concen: 0.712 ug/l
RT: 4.028 min Scan# 760
Delta R.T. -0.019 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

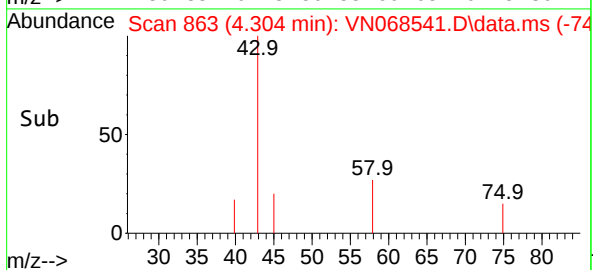
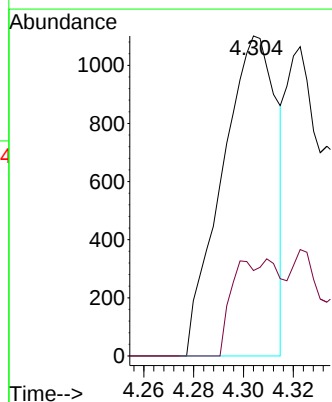
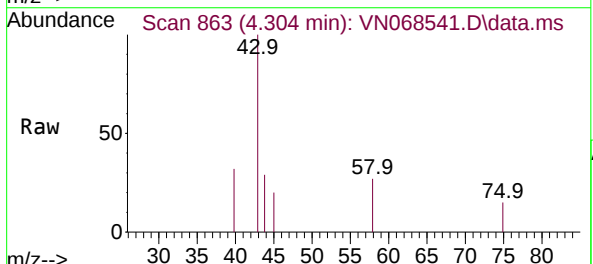
Instrument :
MSVOA_N
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NAPL-AREA-04-(8-10)-END-POINTM

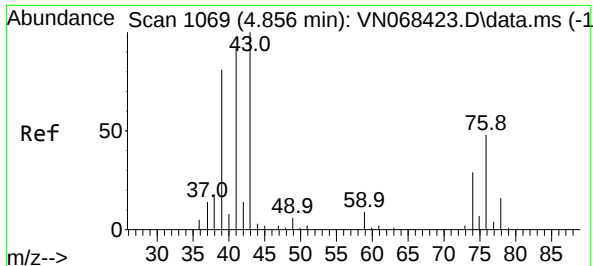
Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 8.8 56.8 85.2#



#16
Acetone
Concen: Below Cal
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
58 26.7 27.0 40.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.862 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN068541.D

Acq: 18 Sep 2021 1:25

Tgt Ion: 43 Resp: 3609

Ion Ratio Lower Upper

43 100

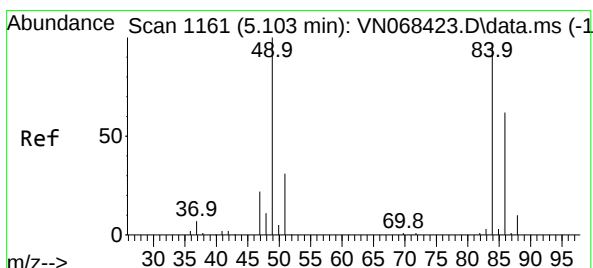
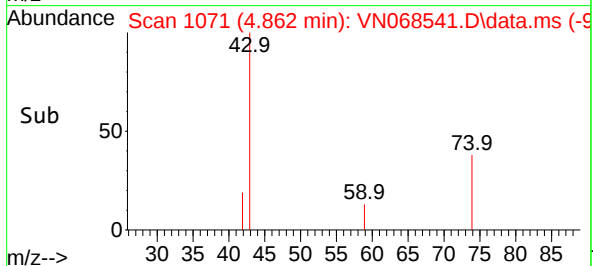
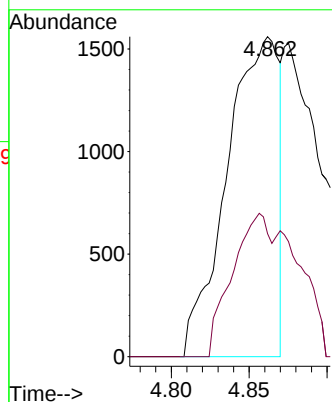
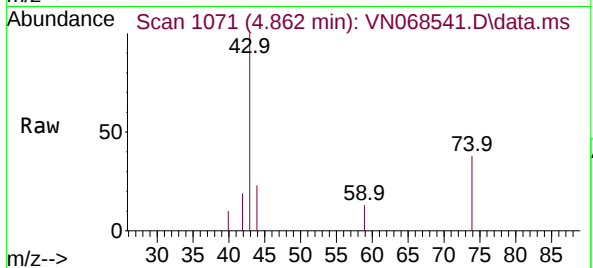
74 32.7 23.5 35.3

Instrument :

MSVOA_N

ClientSampleId :

NAPL-AREA-04-(8-10)-END-POINT.M



#20

Methylene Chloride

Concen: Below Cal

RT: 5.068 min Scan# 1148

Delta R.T. -0.035 min

Lab File: VN068541.D

Acq: 18 Sep 2021 1:25

Tgt Ion: 84 Resp: 5880

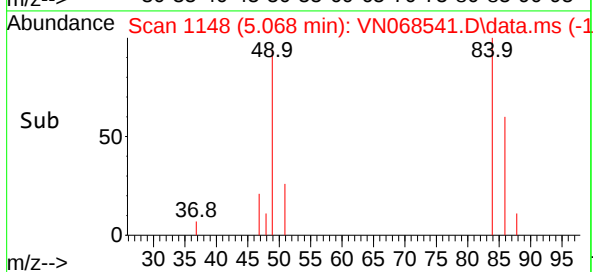
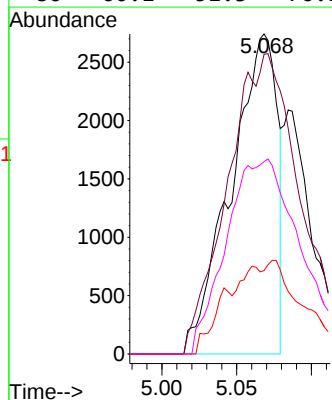
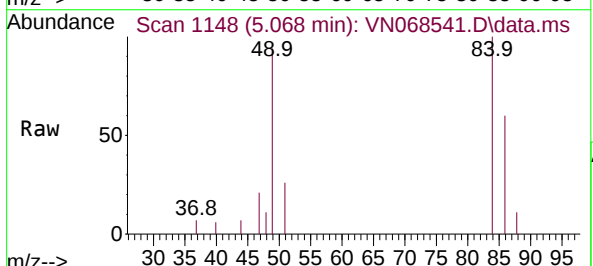
Ion Ratio Lower Upper

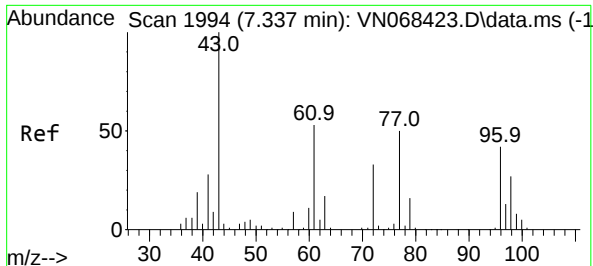
84 100

49 93.7 83.0 124.6

51 26.0 25.4 38.0

86 60.1 51.3 76.9

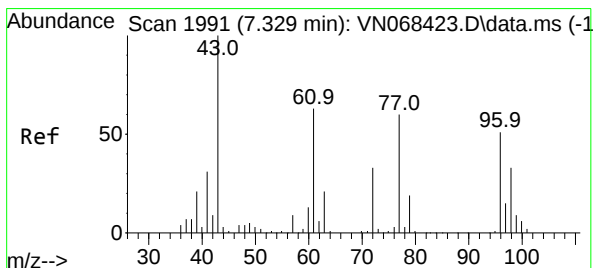
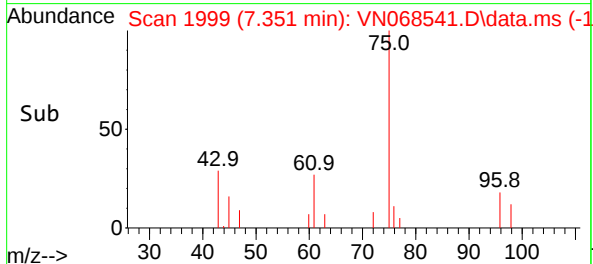
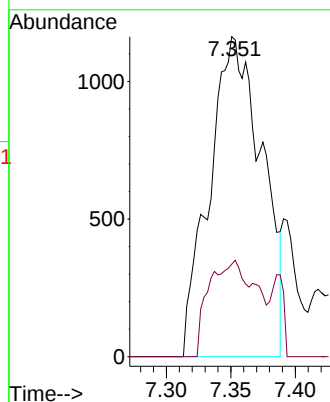
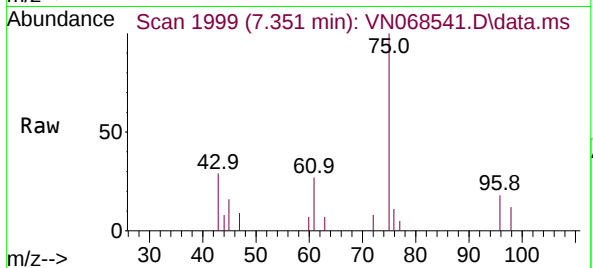




#25
2-Butanone
Concen: 1.260 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

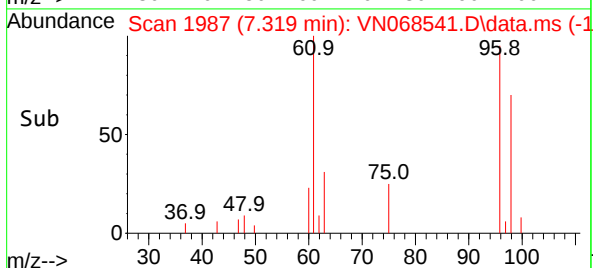
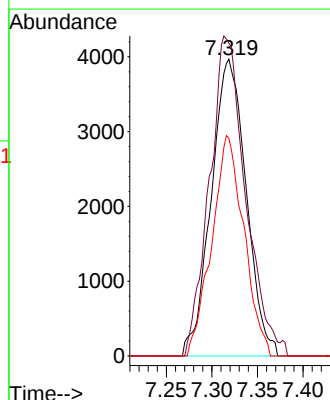
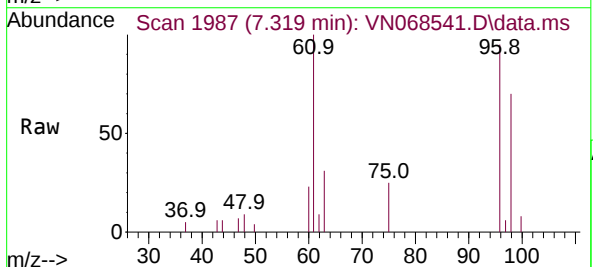
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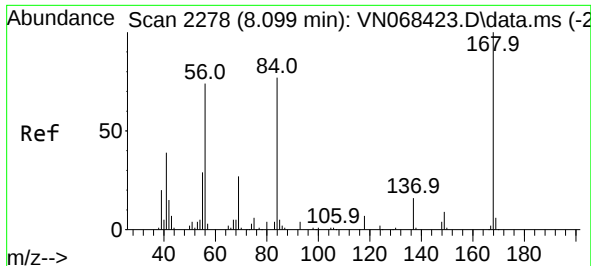
Tgt Ion: 43 Resp: 3300
Ion Ratio Lower Upper
43 100
72 28.9 26.7 40.1



#27
cis-1,2-Dichloroethene
Concen: 1.706 ug/l
RT: 7.319 min Scan# 1987
Delta R.T. -0.010 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion: 96 Resp: 10557
Ion Ratio Lower Upper
96 100
61 111.6 0.0 246.4
98 68.4 0.0 130.4

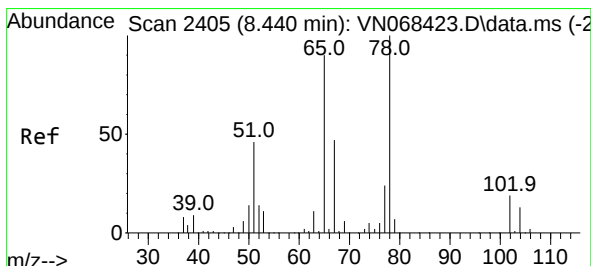
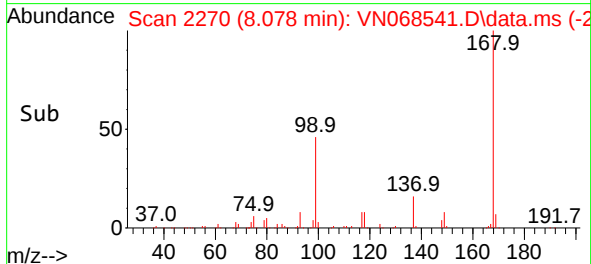
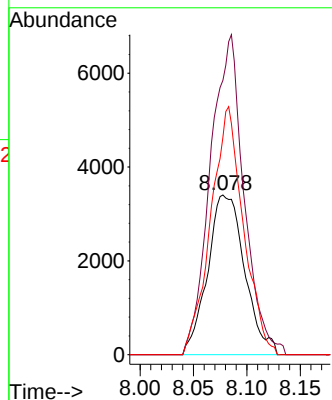
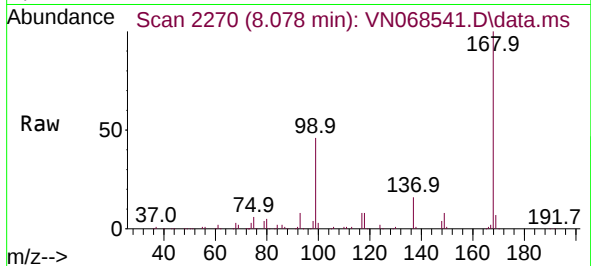




#31
Cyclohexane
Concen: 1.008 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.021 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

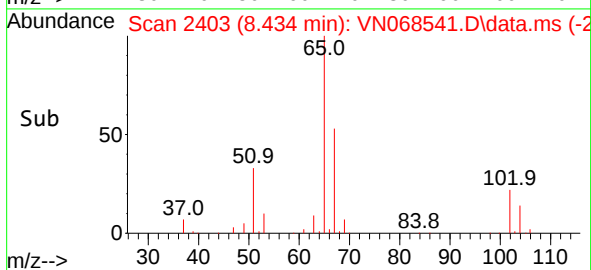
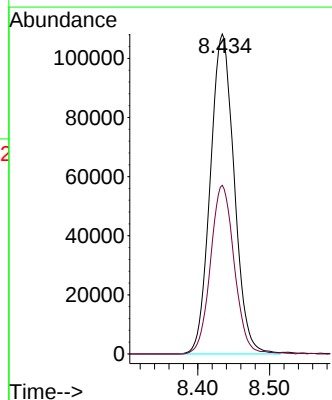
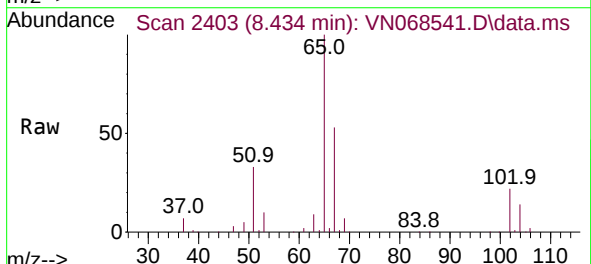
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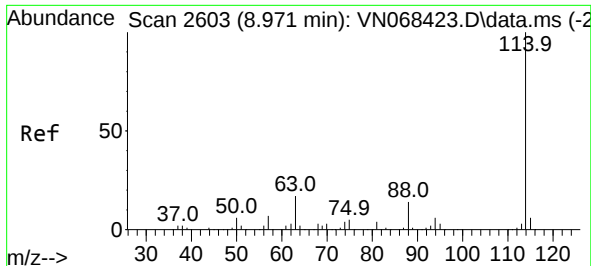
Tgt Ion: 56 Resp: 8229
Ion Ratio Lower Upper
56 100
69 171.8 29.4 44.0#
84 136.2 83.6 125.4#



#33
1,2-Dichloroethane-d4
Concen: 46.443 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion: 65 Resp: 250238
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.0

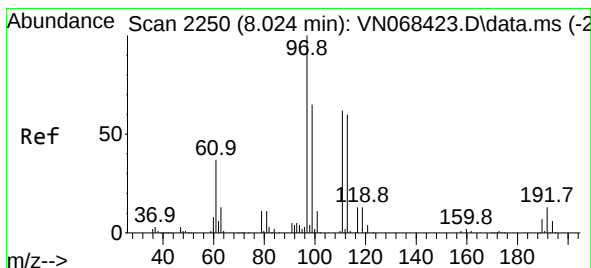
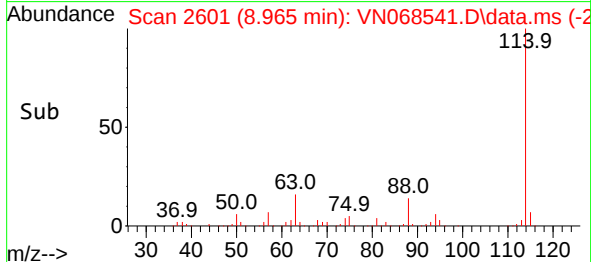
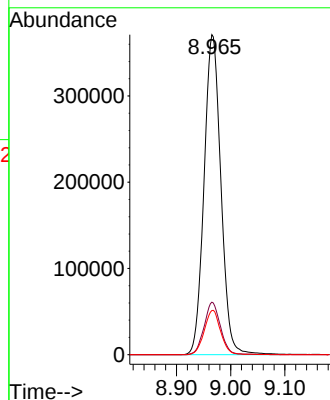
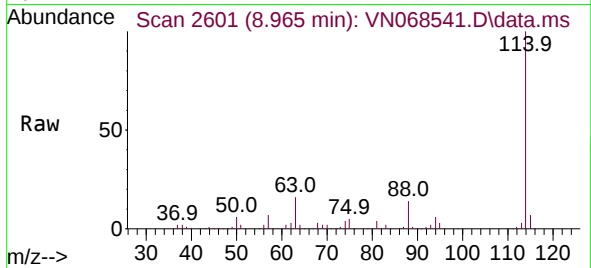




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.006 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

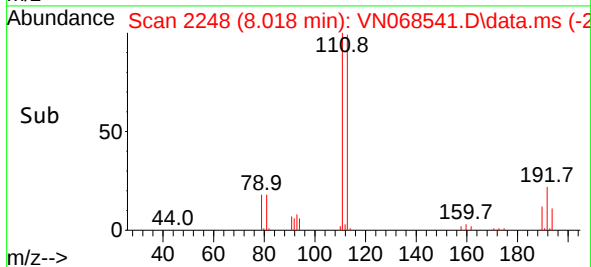
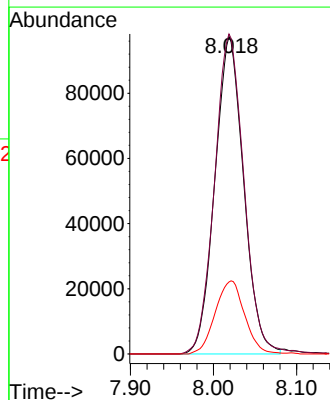
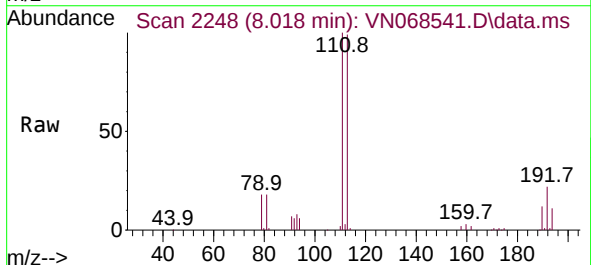
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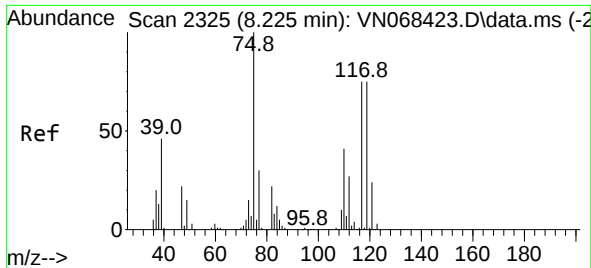
Tgt Ion:114 Resp: 802590
Ion Ratio Lower Upper
114 100
63 16.4 0.0 33.2
88 13.8 0.0 28.4



#35
Dibromofluoromethane
Concen: 48.292 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.005 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion:113 Resp: 233764
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 23.6 17.7 26.5

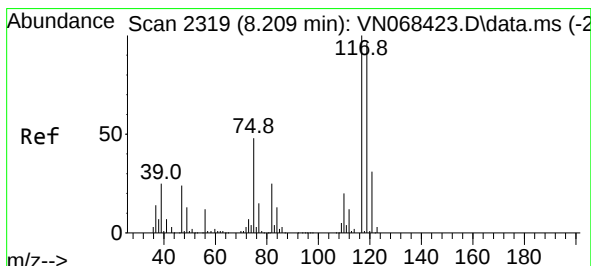
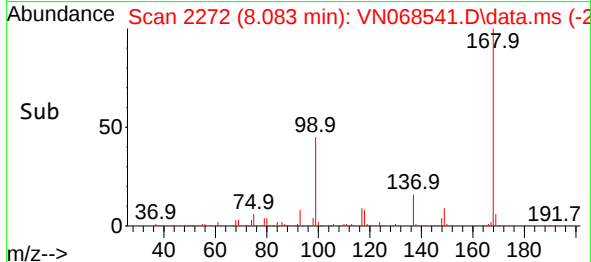
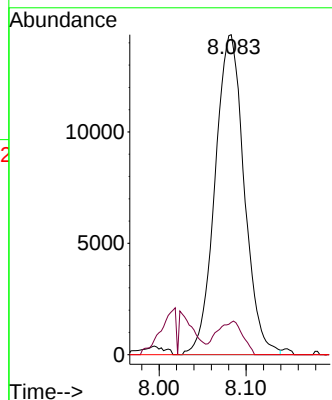
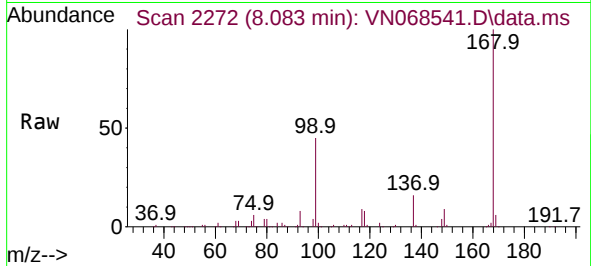




#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.142 min
 Lab File: VN068541.D
 Acq: 18 Sep 2021 1:25

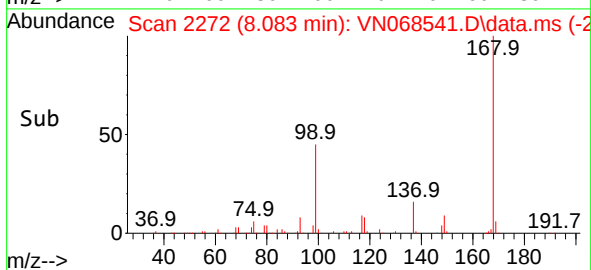
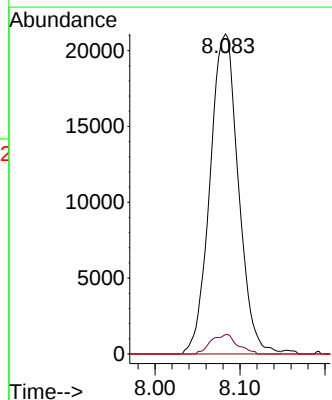
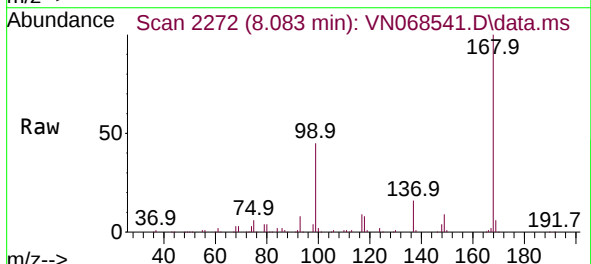
Instrument :
 MSVOA_N
 ClientSampleId :
 NAPL-AREA-04-(8-10)-END-POINTM

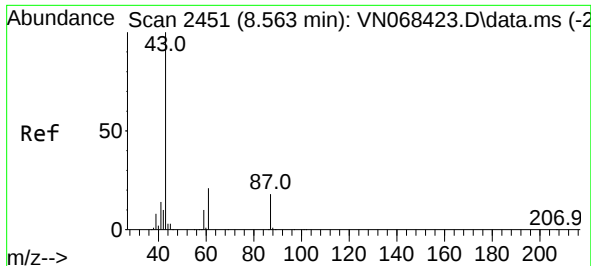
Tgt Ion: 75 Resp: 33494
 Ion Ratio Lower Upper
 75 100
 110 9.5 20.8 62.5#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.111 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.126 min
 Lab File: VN068541.D
 Acq: 18 Sep 2021 1:25

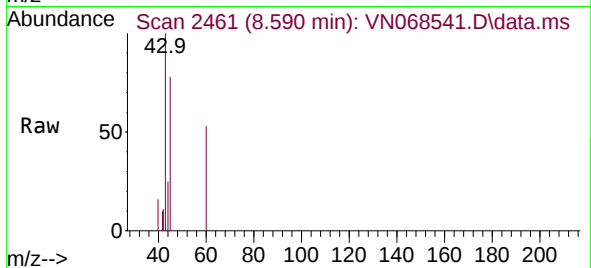
Tgt Ion: 117 Resp: 48988
 Ion Ratio Lower Upper
 117 100
 119 6.1 76.6 114.8#
 121 0.0 24.5 36.7#



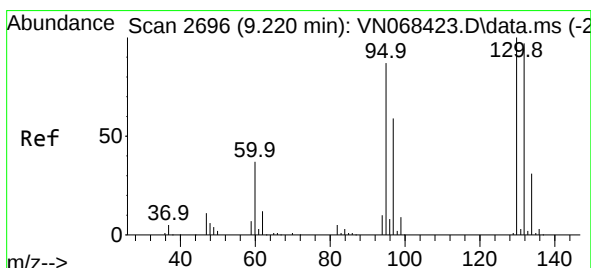
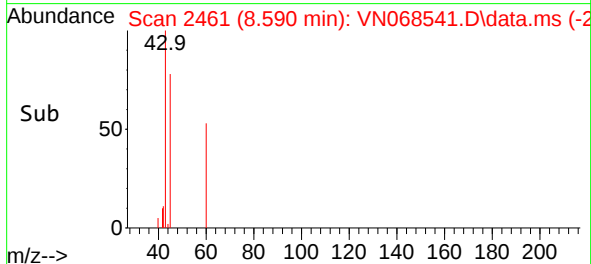
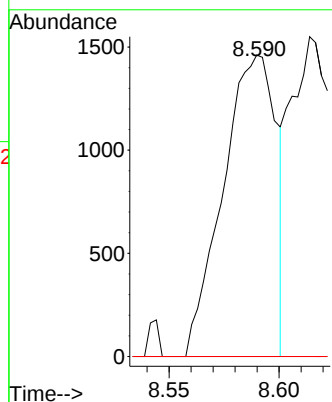


#43
Isopropyl Acetate
Concen: 0.273 ug/l
RT: 8.590 min Scan# 2461
Delta R.T. 0.027 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-04-(8-10)-END-POINTM

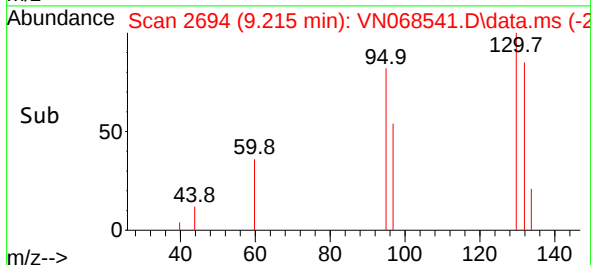
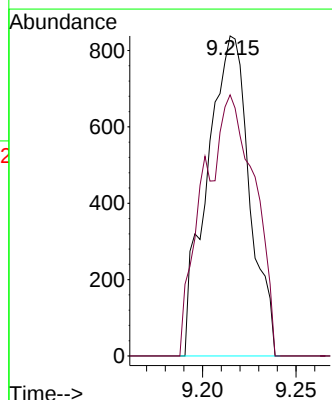
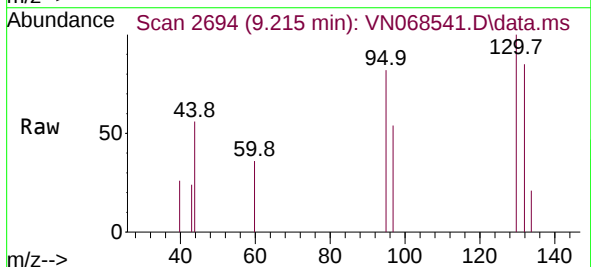


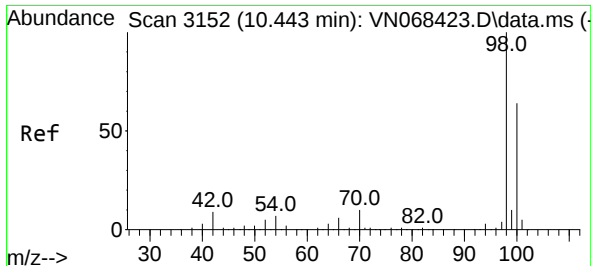
Tgt Ion: 43 Resp: 2455
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#



#44
Trichloroethene
Concen: 0.211 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.005 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion: 130 Resp: 1326
Ion Ratio Lower Upper
130 100
95 81.6 0.0 173.8

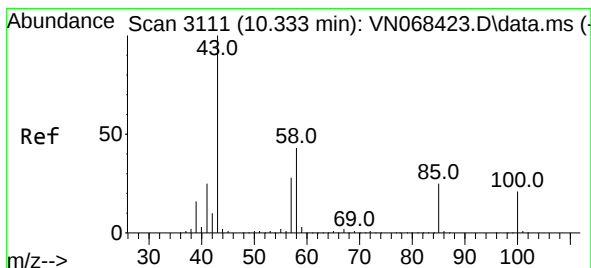
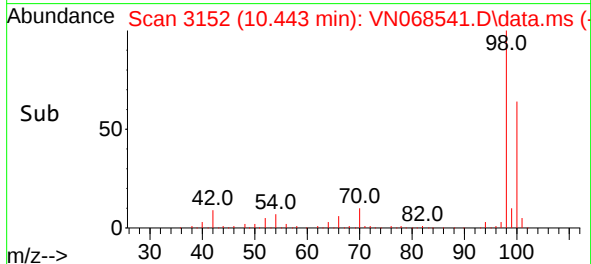
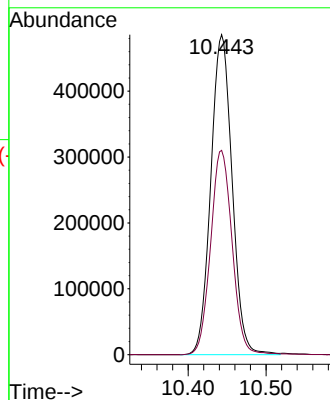
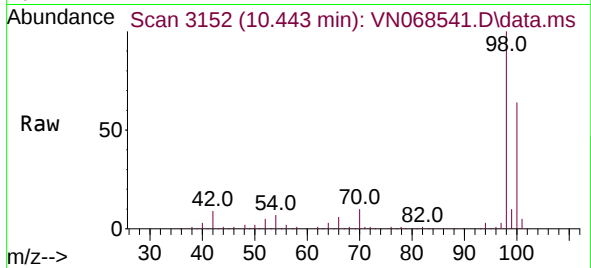




#50
Toluene-d8
Concen: 46.706 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

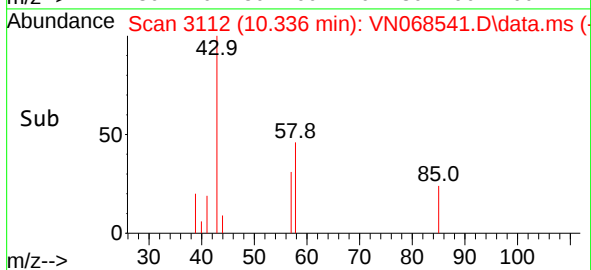
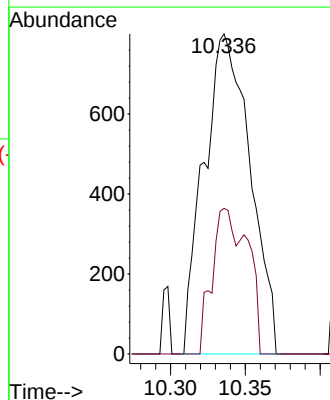
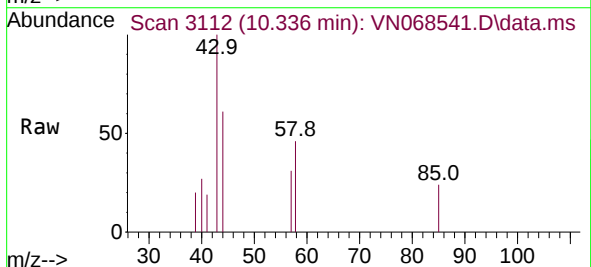
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-04-(8-10)-END-POINTM

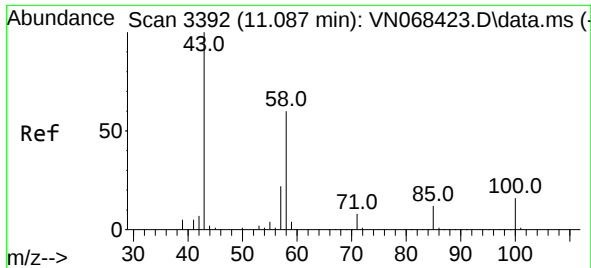
Tgt Ion: 98 Resp: 922234
Ion Ratio Lower Upper
98 100
100 64.7 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.336 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion: 43 Resp: 1724
Ion Ratio Lower Upper
43 100
58 22.4 34.3 51.5#

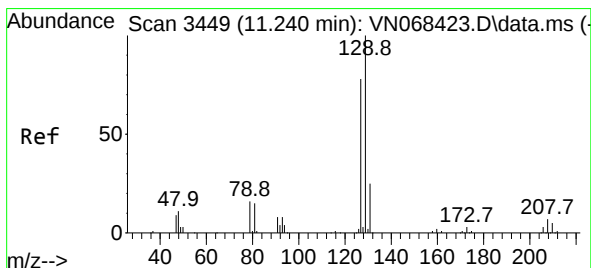
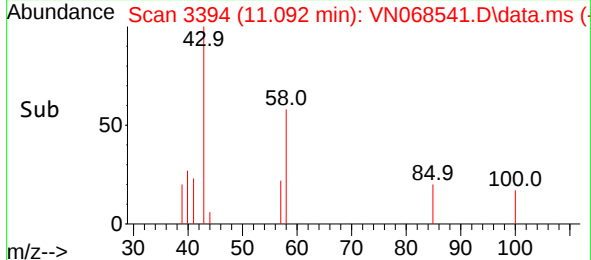
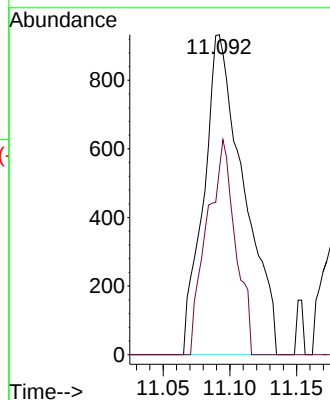
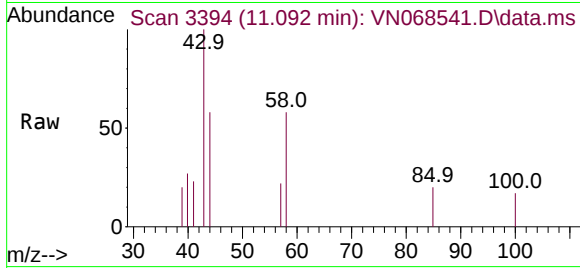




#59
2-Hexanone
Concen: 0.566 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

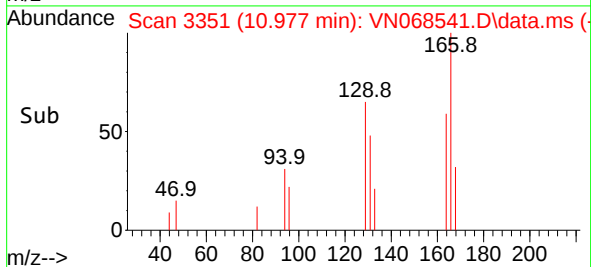
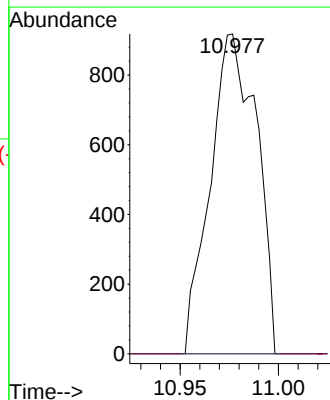
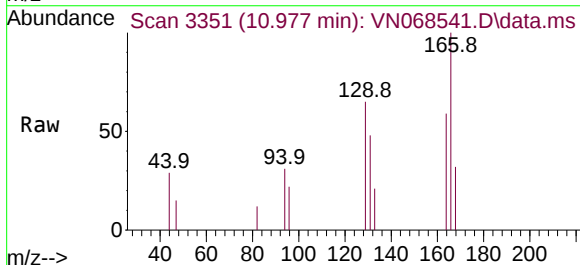
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-04-(8-10)-END-POINTM

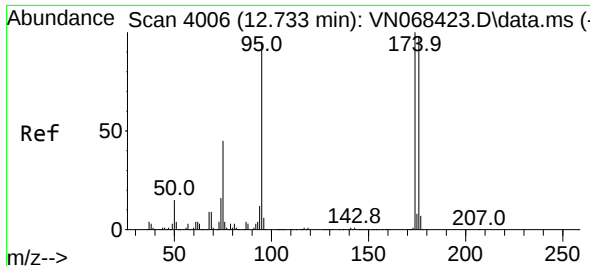
Tgt Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
58 47.9 30.0 90.1



#60
Dibromochloromethane
Concen: 2.006 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion: 129 Resp: 1507
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

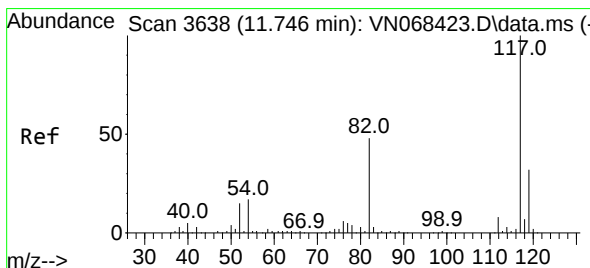
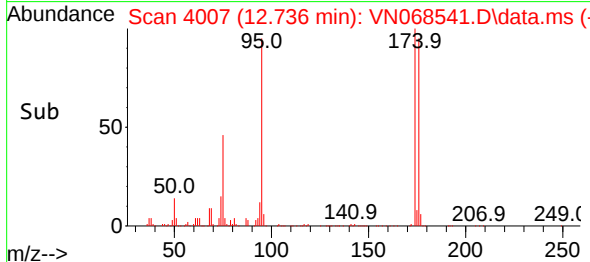
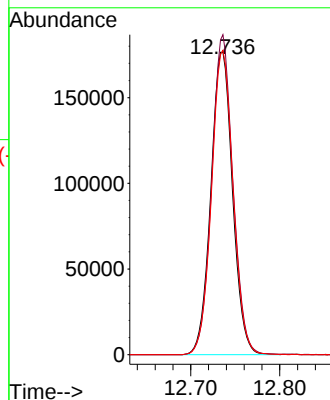
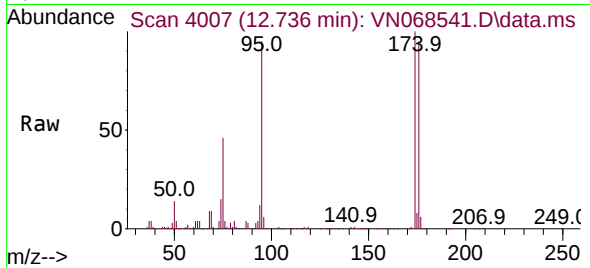




#62
4-Bromofluorobenzene
Concen: 46.129 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

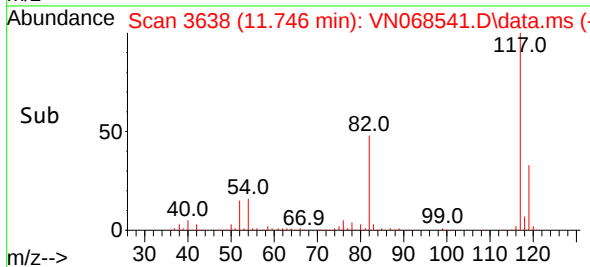
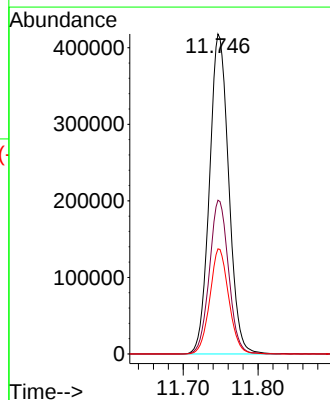
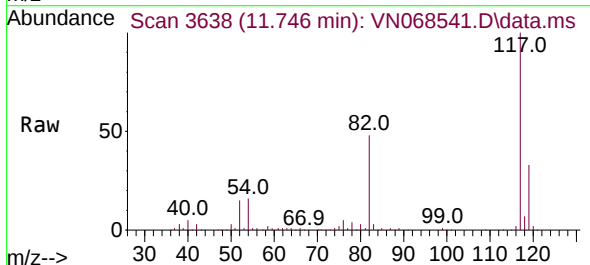
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-04-(8-10)-END-POINTM

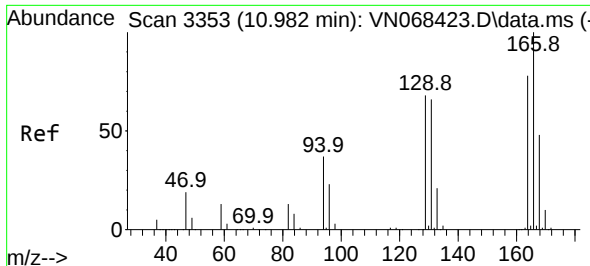
Tgt Ion: 95 Resp: 299581
Ion Ratio Lower Upper
95 100
174 103.5 0.0 214.0
176 99.9 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion: 117 Resp: 746967
Ion Ratio Lower Upper
117 100
82 48.0 38.7 58.1
119 32.9 25.5 38.3

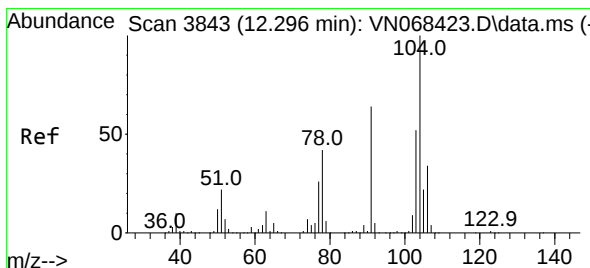
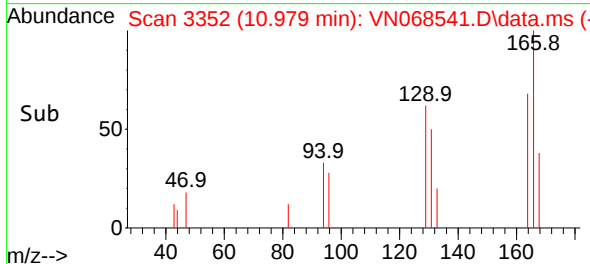
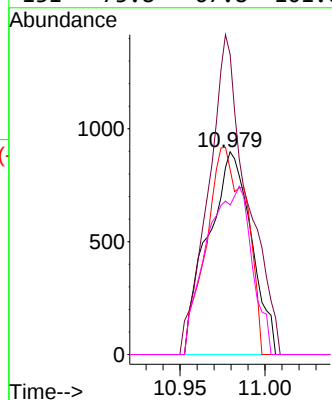
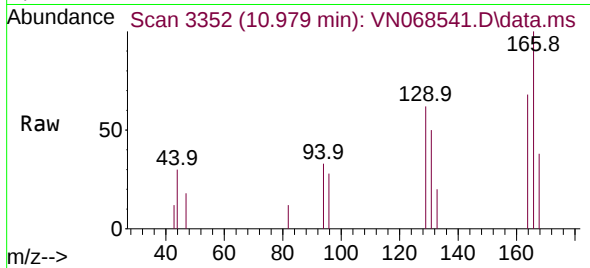




#64
Tetrachloroethene
Concen: 0.241 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.003 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

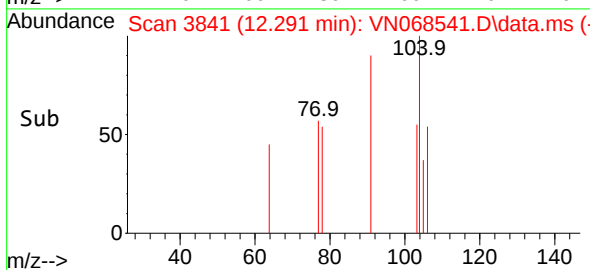
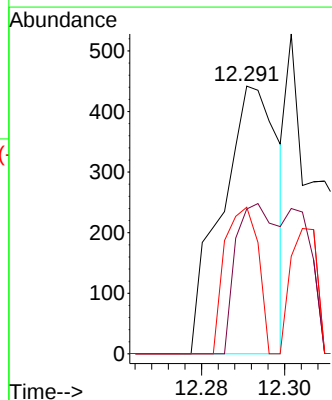
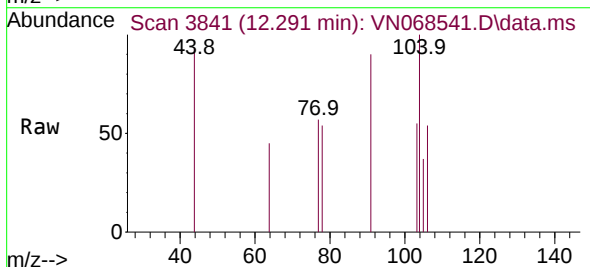
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-04-(8-10)-END-POINTM

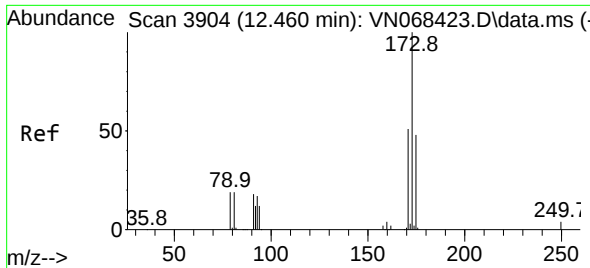
Tgt Ion:164 Resp: 1597
Ion Ratio Lower Upper
164 100
166 148.1 102.9 154.3
129 91.3 70.1 105.1
131 73.8 67.8 101.6



#70
Styrene
Concen: 1.777 ug/l
RT: 12.291 min Scan# 3841
Delta R.T. -0.005 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion:104 Resp: 415
Ion Ratio Lower Upper
104 100
78 42.9 36.2 54.2
103 32.5 44.4 66.6#

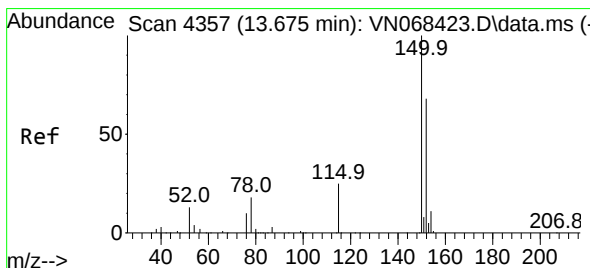
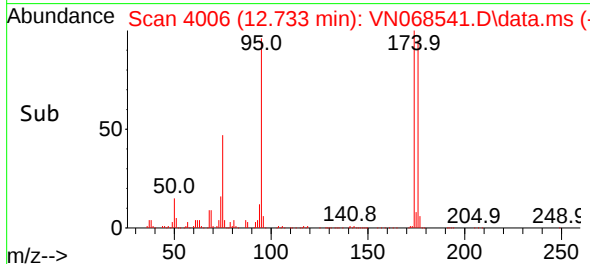
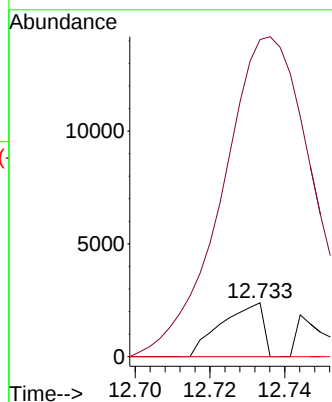
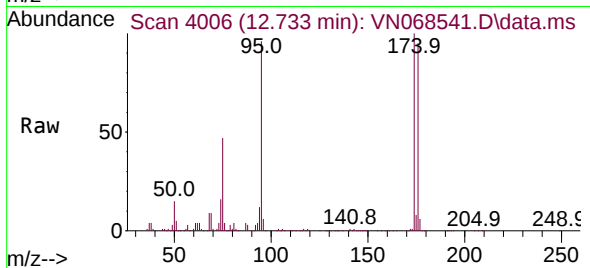




#71
Bromoform
Concen: 2.836 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

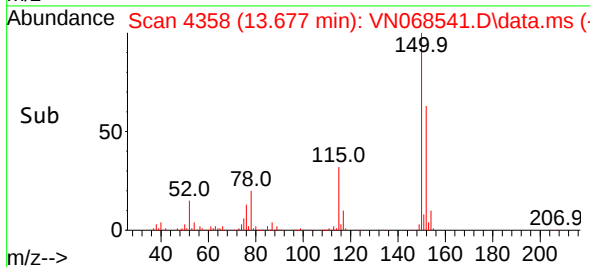
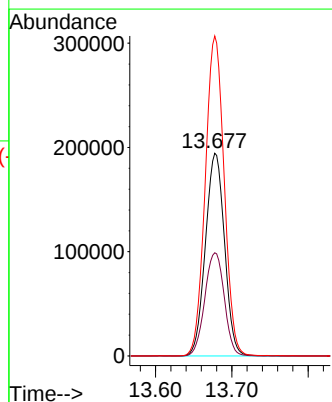
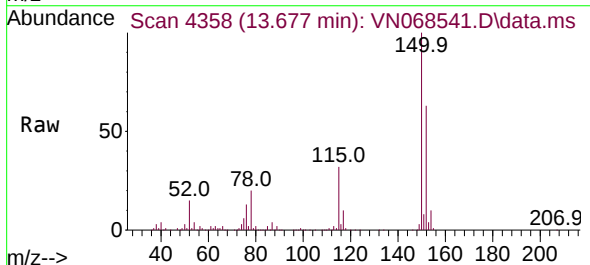
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-04-(8-10)-END-POINTM

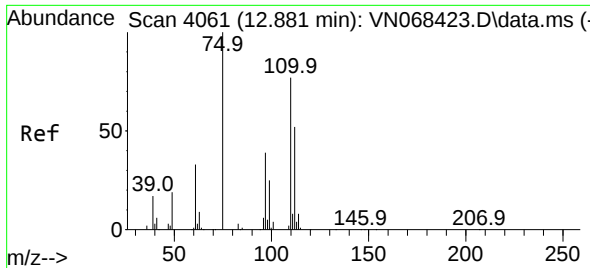
Tgt Ion:173 Resp: 1855
Ion Ratio Lower Upper
173 100
175 1182.5 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion:152 Resp: 338114
Ion Ratio Lower Upper
152 100
115 51.9 25.6 76.6
150 156.1 0.0 346.8

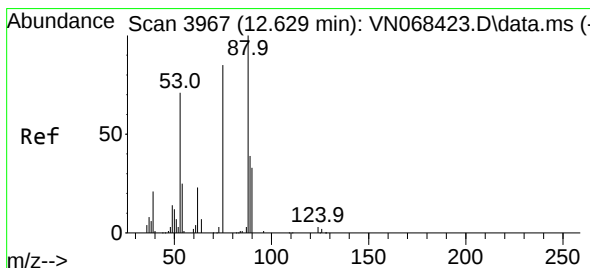
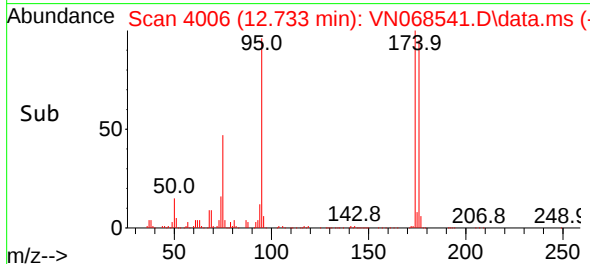
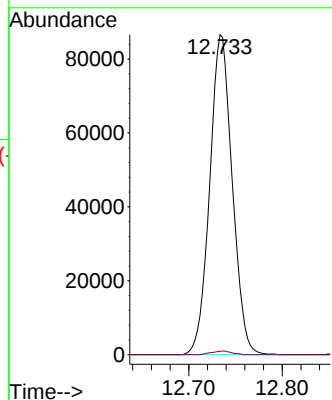
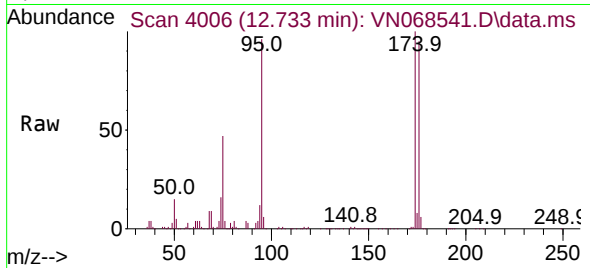




#76
1,2,3-Trichloropropane
Concen: 30.726 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

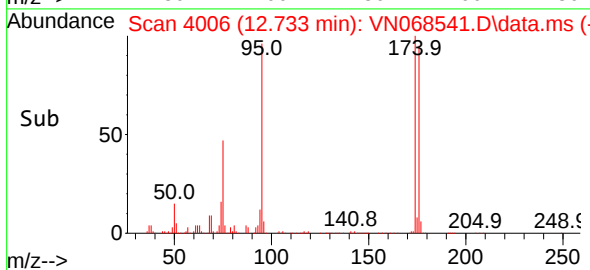
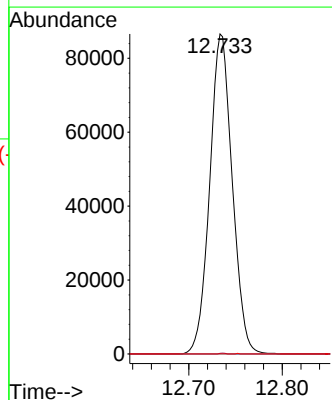
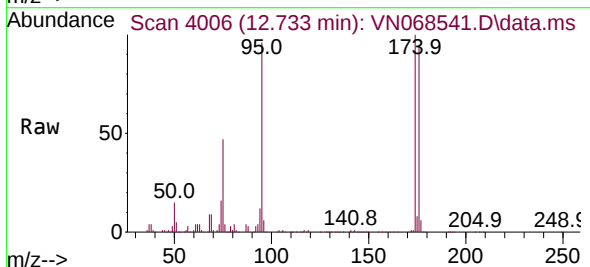
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-04-(8-10)-END-POINTM

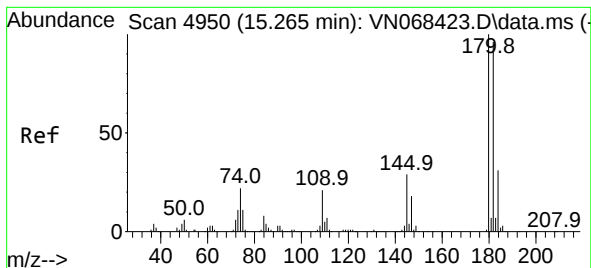
Tgt Ion: 75 Resp: 144833
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.932 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

Tgt Ion: 75 Resp: 144833
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.0 39.5 59.3#

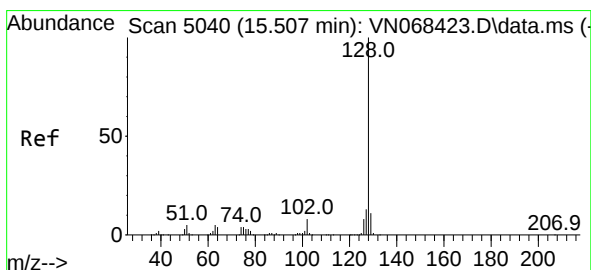
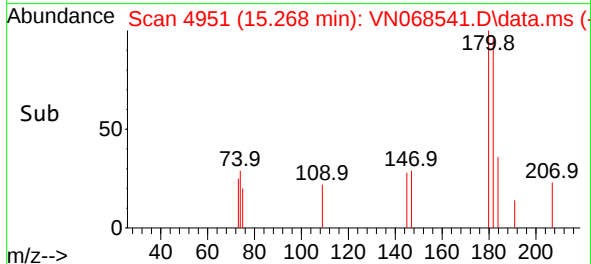
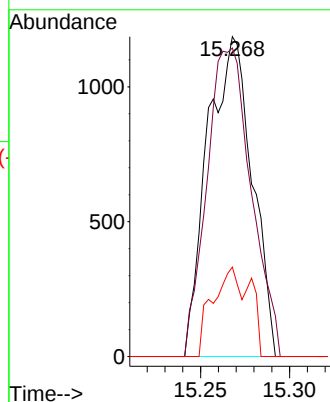
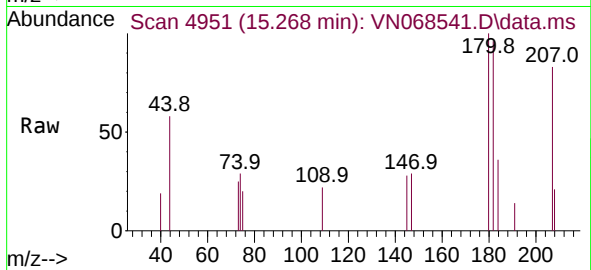




#93
1,2,4-Trichlorobenzene
Concen: 3.266 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

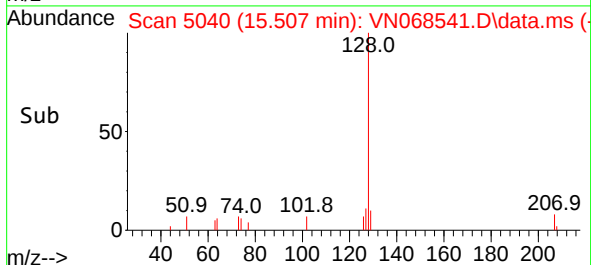
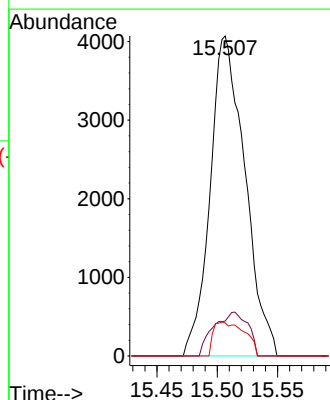
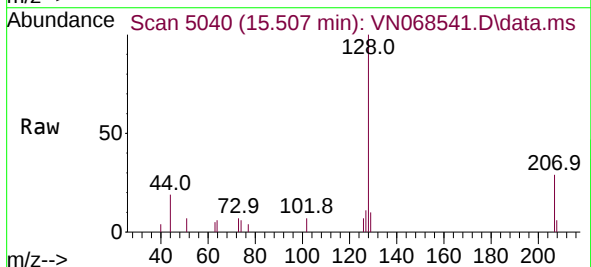
Instrument :
MSVOA_N
ClientSampleId :
NAPL-AREA-04-(8-10)-END-POINTM

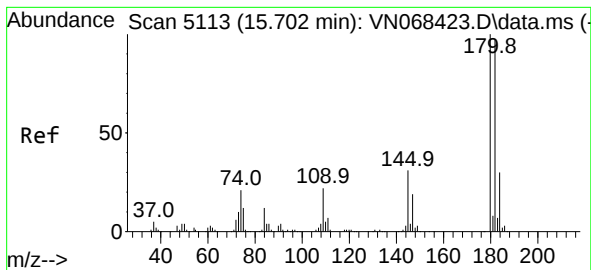
Tgt Ion:180 Resp: 2064
Ion Ratio Lower Upper
180 100
182 96.1 47.5 142.6
145 17.2 14.1 42.4



#95
Naphthalene
Concen: 4.063 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068541.D
Acq: 18 Sep 2021 1:25

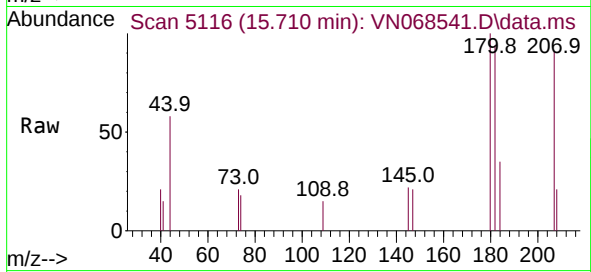
Tgt Ion:128 Resp: 8154
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 9.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.349 ug/l
 RT: 15.710 min Scan# 5116
 Delta R.T. 0.008 min
 Lab File: VN068541.D
 Acq: 18 Sep 2021 1:25

Instrument :
 MSVOA_N
 ClientSampleId :
 NAPL-AREA-04-(8-10)-END-POINTM



Tgt Ion:180 Resp: 2373
 Ion Ratio Lower Upper
 180 100
 182 105.0 47.9 143.6
 145 13.9 15.2 45.5#

