

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070392.D
 Acq On : 20 Sep 2021 19:05
 Operator : VA/SY
 Sample : M3798-04RE
 Misc : 6.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NAPL-07-(22-24)RE

Quant Time: Sep 21 03:36:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

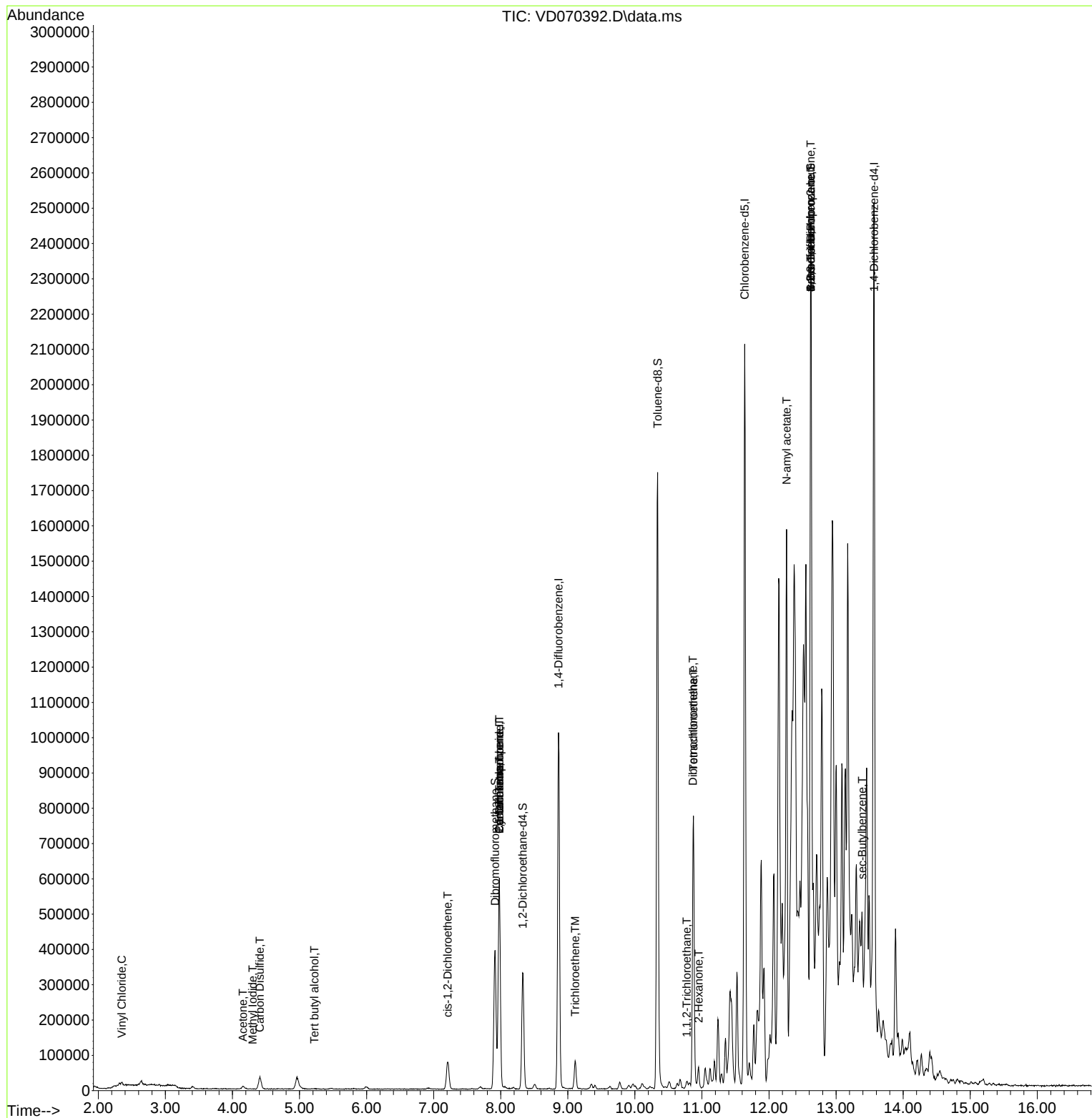
Internal Standards						
1) Pentafluorobenzene	7.979	168	414344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	856212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1193298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	630483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	271628	51.055	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.120%			
35) Dibromofluoromethane	7.914	113	293577	48.170	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.340%			
50) Toluene-d8	10.338	98	1181881	53.411	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.820%			
62) 4-Bromofluorobenzene	12.620	95	687328	88.877	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 177.760%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	354	Below Cal	#	43
3) Chloromethane	2.209	50	1004	Below Cal	#	42
4) Vinyl Chloride	2.350	62	6554	1.005	ug/l	89
5) Bromomethane	2.774	94	1584	Below Cal	#	63
6) Chloroethane	2.909	64	175	Below Cal	#	43
10) Methyl Iodide	4.303	142	81	1.044	ug/l	# 1
11) Tert butyl alcohol	5.220	59	1751	2.911	ug/l	# 100
16) Acetone	4.156	43	14502	15.268	ug/l	# 85
17) Carbon Disulfide	4.409	76	72525	4.075	ug/l	99
18) Methyl Acetate	4.738	43	115	Below Cal	#	48
20) Methylene Chloride	4.962	84	26861	Below Cal	#	84
27) cis-1,2-Dichloroethene	7.209	96	49190	7.975	ug/l	90
31) Cyclohexane	7.979	56	11006	1.201	ug/l	# 20
36) 1,1-Dichloropropene	7.979	75	36747	4.015	ug/l	# 48
38) Carbon Tetrachloride	7.979	117	45354	5.011	ug/l	# 19
44) Trichloroethene	9.108	130	28490	4.445	ug/l	97
55) 1,1,2-Trichloroethane	10.773	97	6119	1.228	ug/l	# 24
59) 2-Hexanone	10.950	43	19155	8.768	ug/l	# 23
60) Dibromochloromethane	10.867	129	170107	29.324	ug/l	# 11
64) Tetrachloroethene	10.873	164	172963	23.807	ug/l	98
71) Bromoform	12.620	173	4902	1.095	ug/l	# 1
74) N-amyl acetate	12.261	43	305703	31.732	ug/l	# 61
76) 1,2,3-Trichloropropane	12.620	75	330354	51.801	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	330354	129.791	ug/l	# 19
85) sec-Butylbenzene	13.391	105	76980	1.582	ug/l	# 59

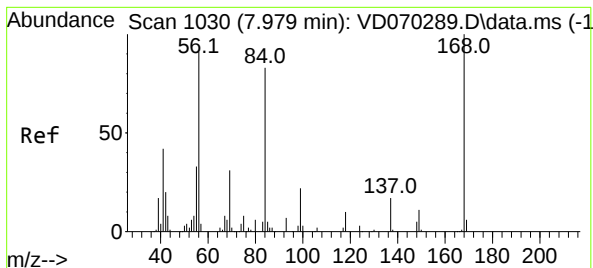
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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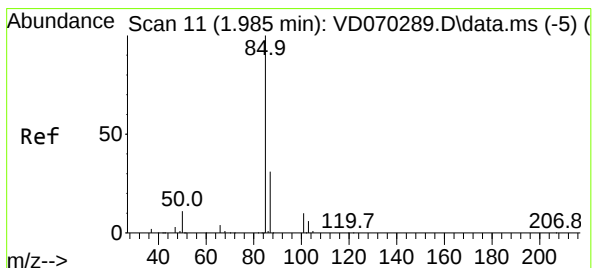
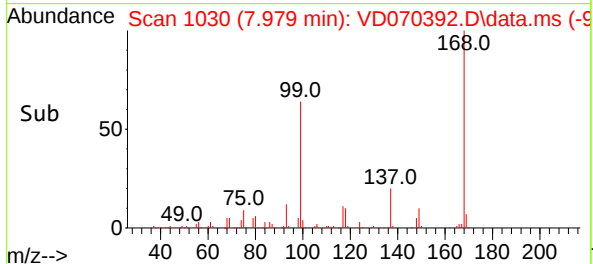
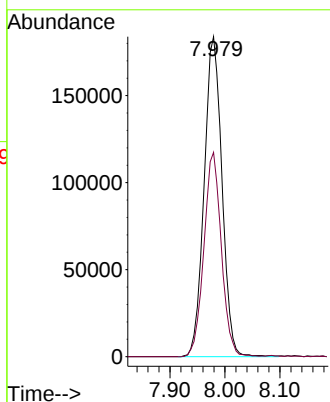
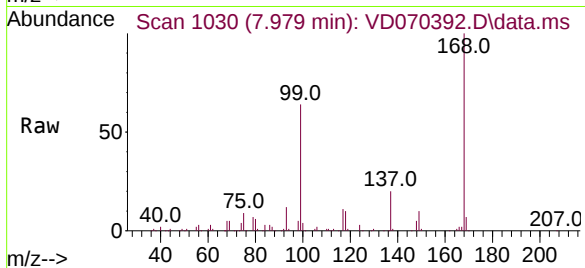




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

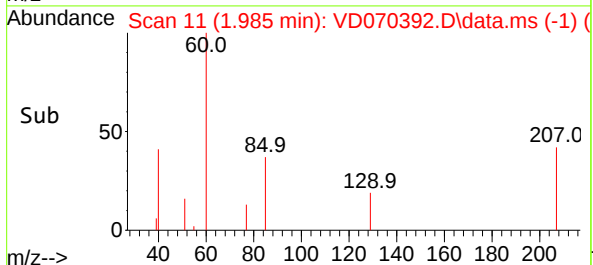
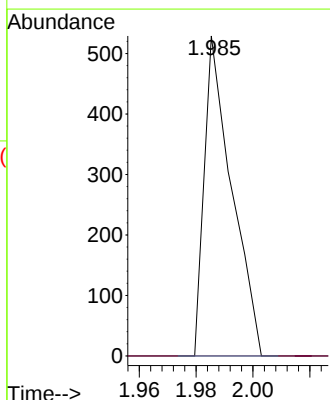
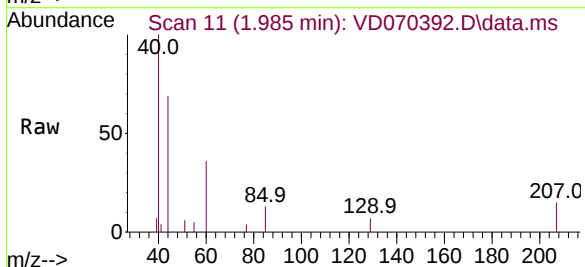
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

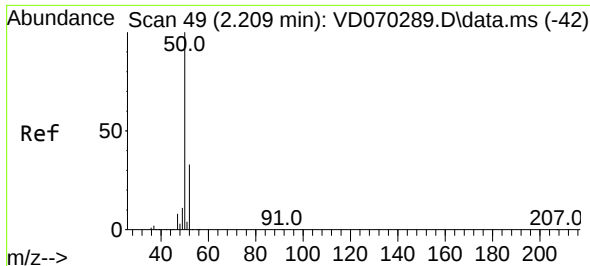
Tgt Ion:168 Resp: 414344
Ion Ratio Lower Upper
168 100
99 63.9 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion: 85 Resp: 354
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

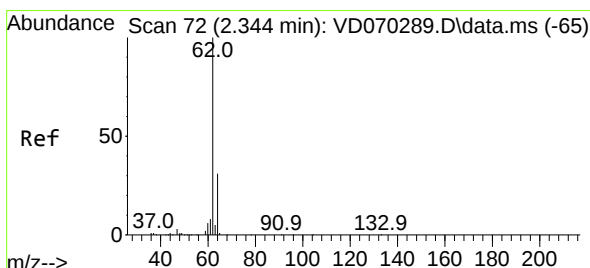
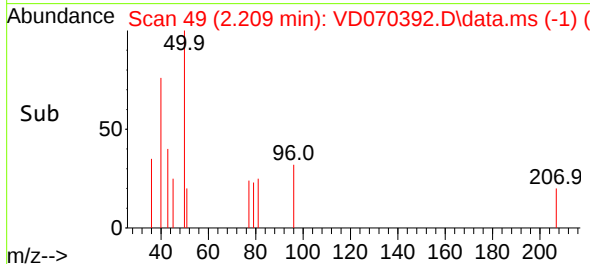
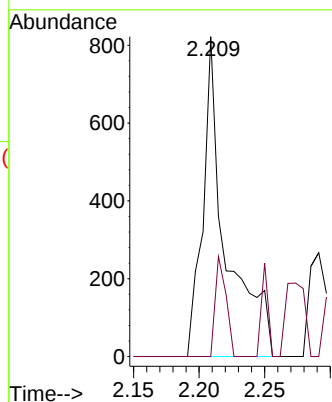
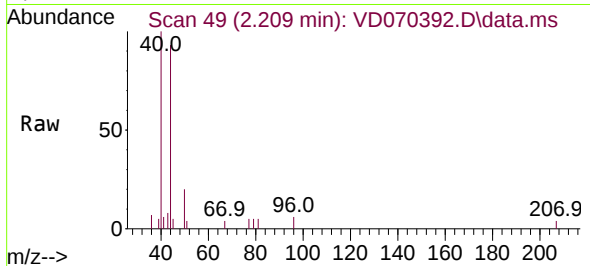




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

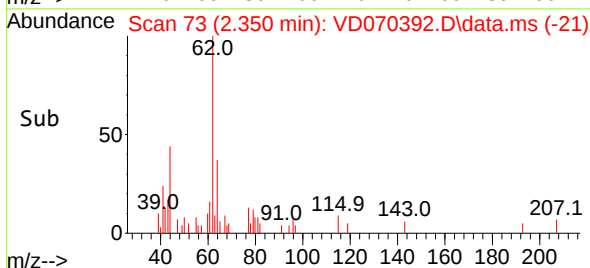
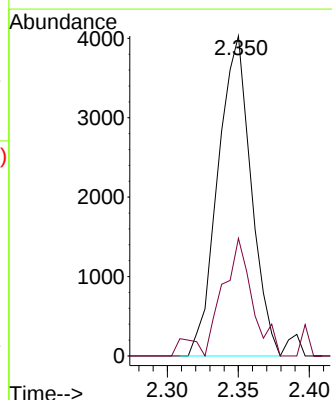
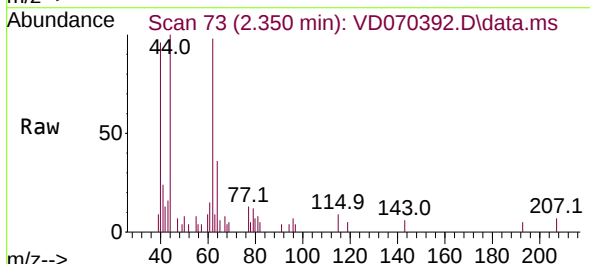
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

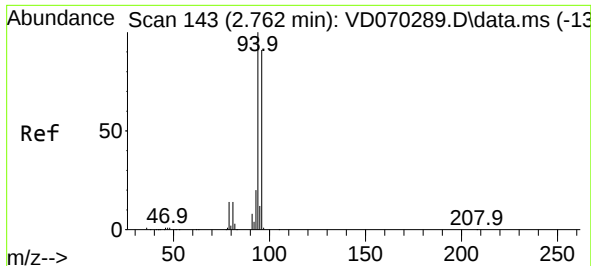
Tgt Ion: 50 Resp: 1004
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#4
Vinyl Chloride
Concen: 1.005 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.006 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion: 62 Resp: 6554
Ion Ratio Lower Upper
62 100
64 36.8 24.6 36.8

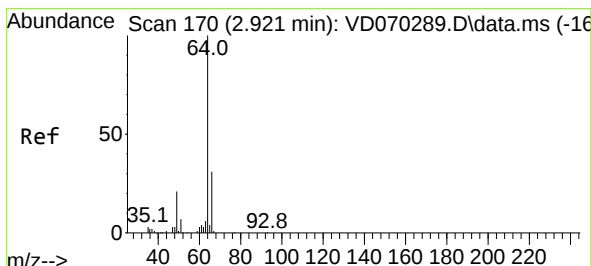
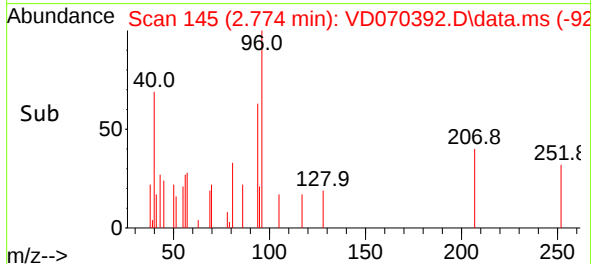
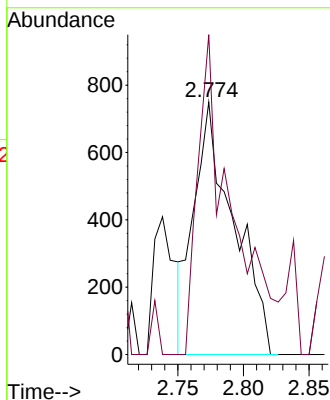
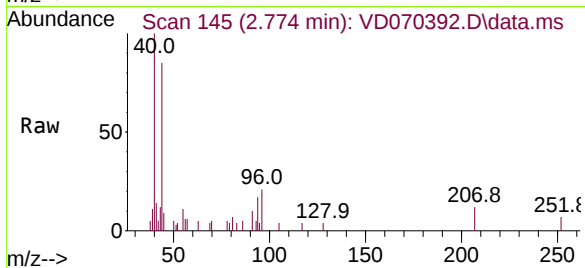




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

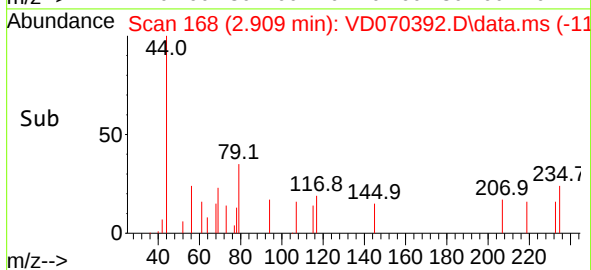
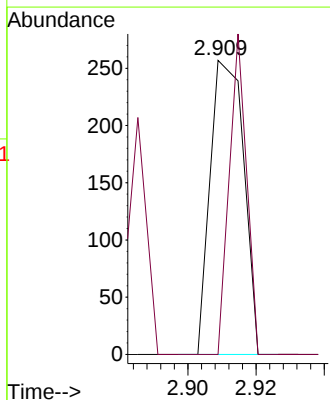
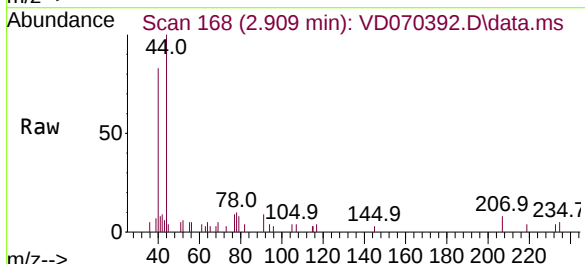
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

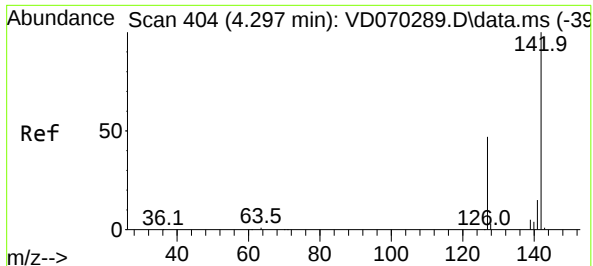
Tgt Ion: 94 Resp: 1584
Ion Ratio Lower Upper
94 100
96 126.7 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.909 min Scan# 168
Delta R.T. -0.012 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion: 64 Resp: 175
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

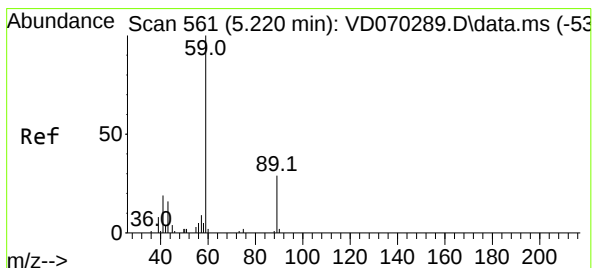
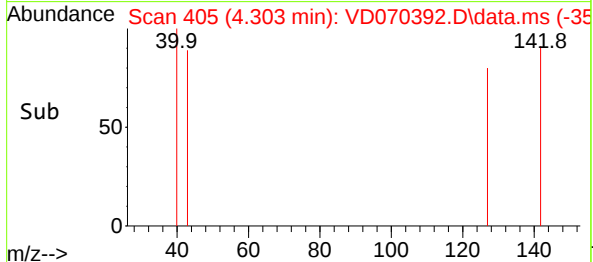
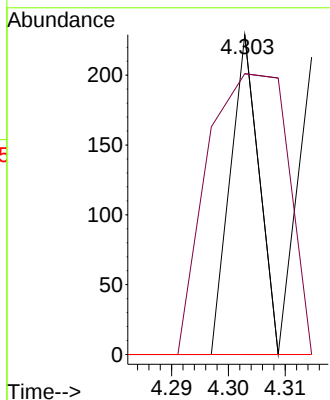
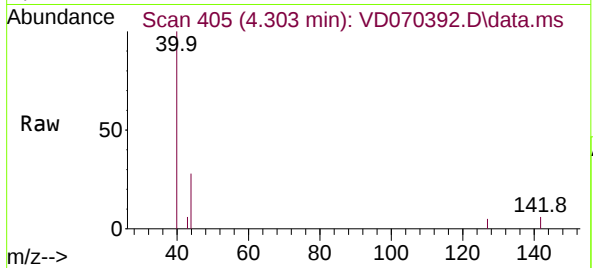




#10
Methyl Iodide
Concen: 1.044 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

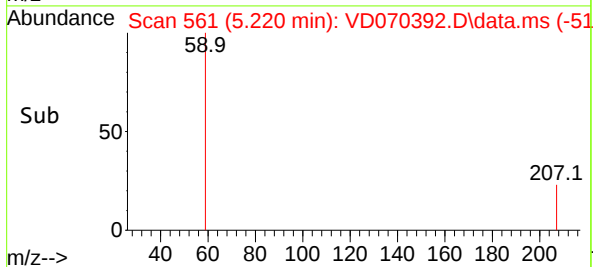
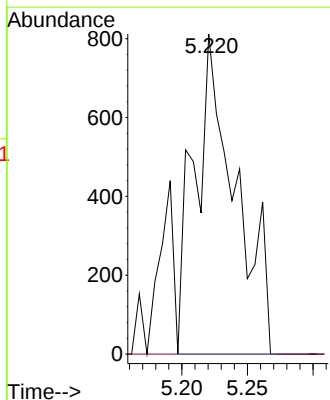
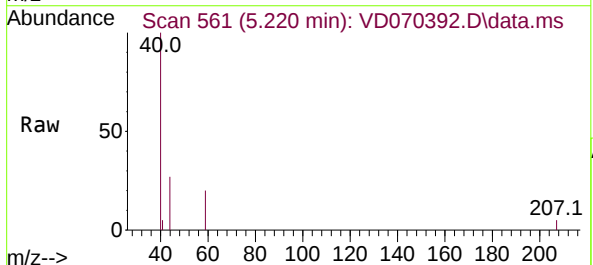
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

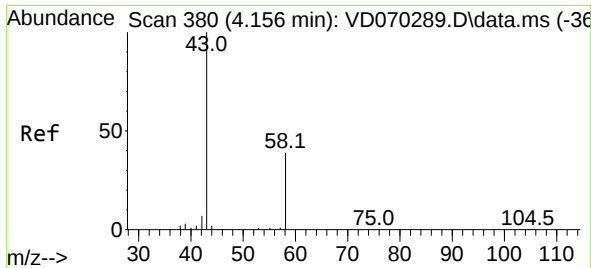
Tgt Ion:142 Resp: 81
Ion Ratio Lower Upper
142 100
127 244.4 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 2.911 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion: 59 Resp: 1751
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

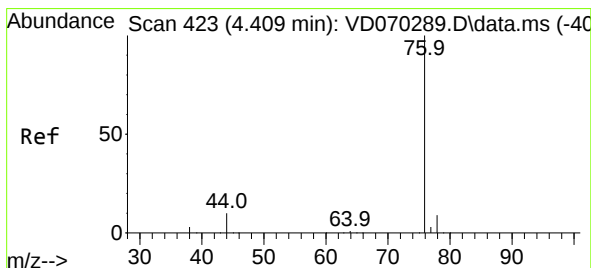
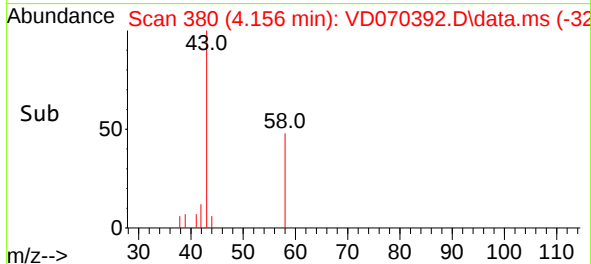
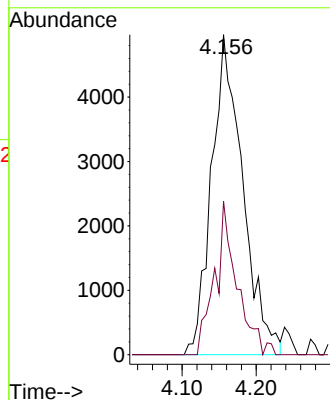
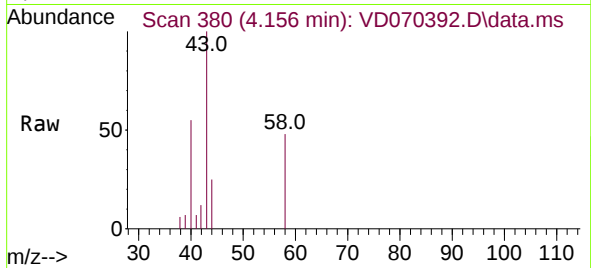




#16
Acetone
Concen: 15.268 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

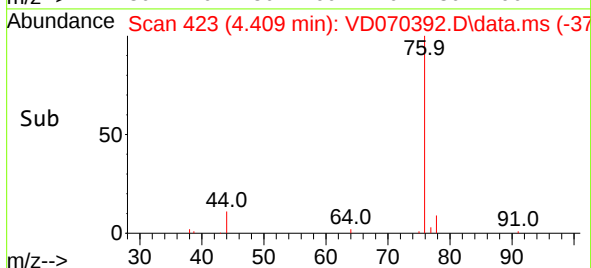
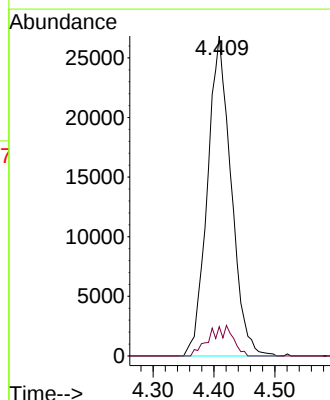
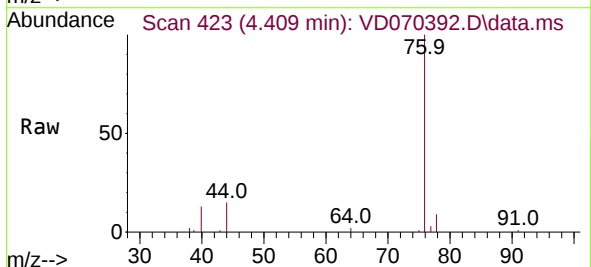
Instrument :
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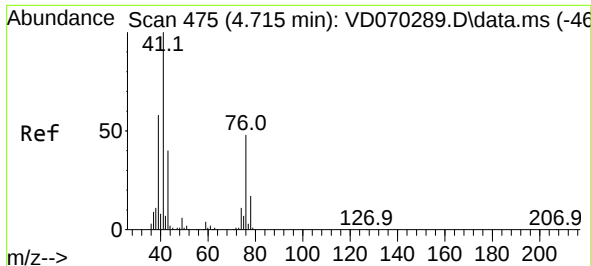
Tgt Ion: 43 Resp: 14502
Ion Ratio Lower Upper
43 100
58 48.0 30.9 46.3#



#17
Carbon Disulfide
Concen: 4.075 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion: 76 Resp: 72525
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3





#18

Methyl Acetate

Concen: Below Cal

RT: 4.738 min Scan# 479

Delta R.T. 0.023 min

Lab File: VD070392.D

Acq: 20 Sep 2021 19:05

Instrument :

MSVOA_D

ClientSampleId :

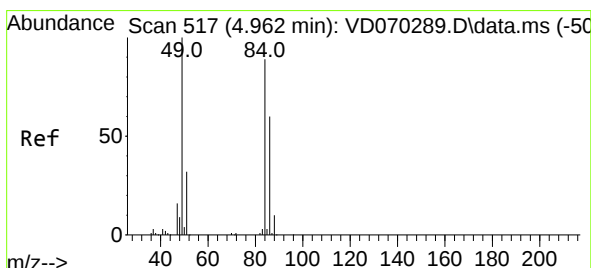
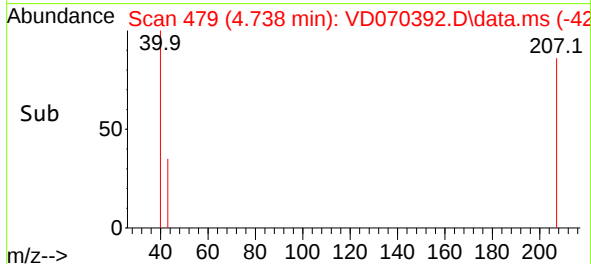
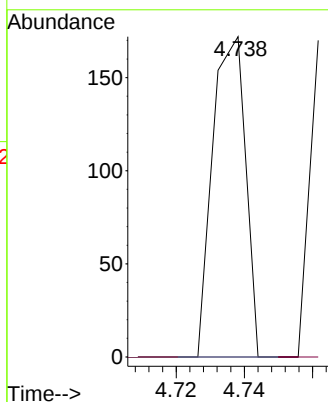
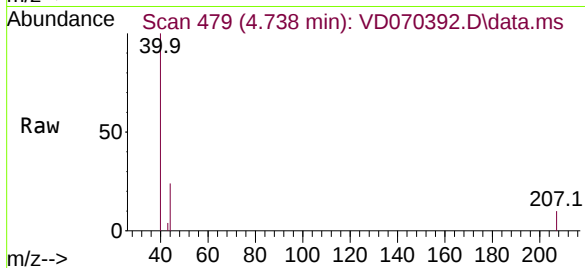
NAPL-07-(22-24)RE

Tgt Ion: 43 Resp: 115

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD070392.D

Acq: 20 Sep 2021 19:05

Tgt Ion: 84 Resp: 26861

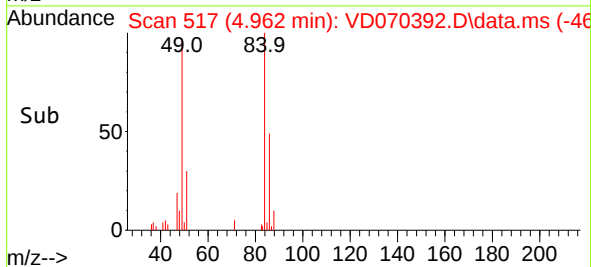
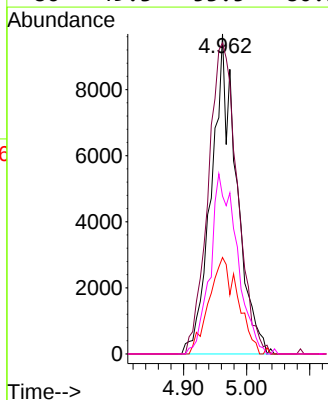
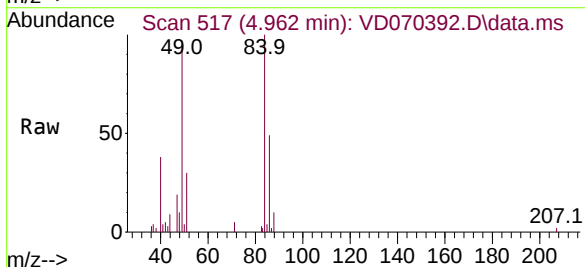
Ion Ratio Lower Upper

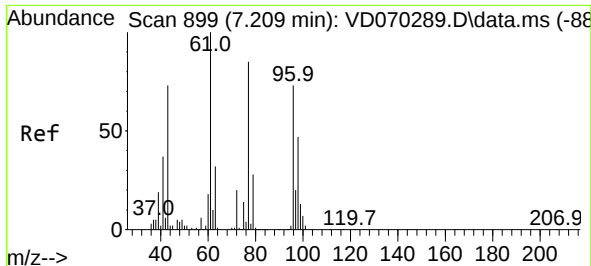
84 100

49 97.2 89.6 134.4

51 30.1 28.6 43.0

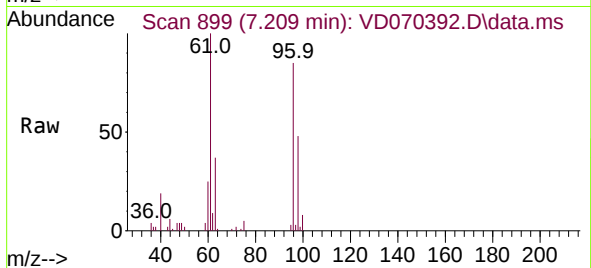
86 49.3 53.5 80.3#



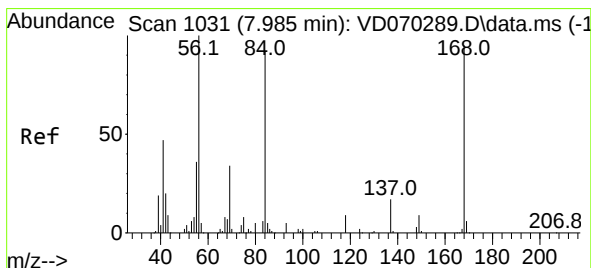
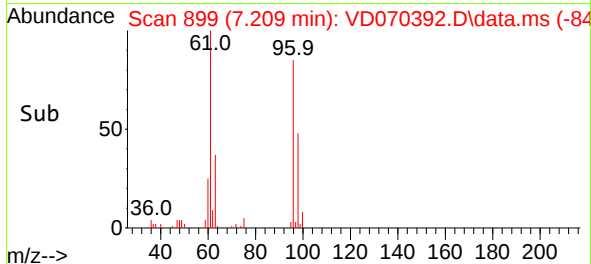
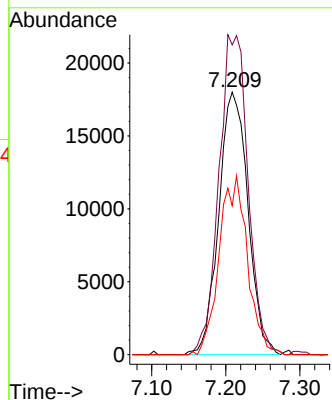


#27
cis-1,2-Dichloroethene
Concen: 7.975 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

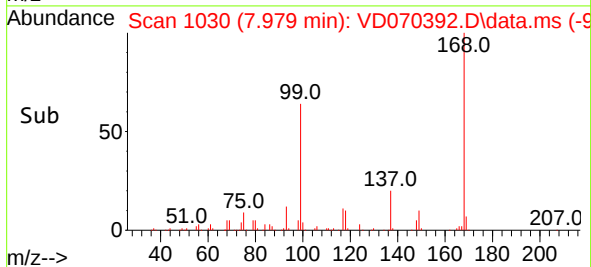
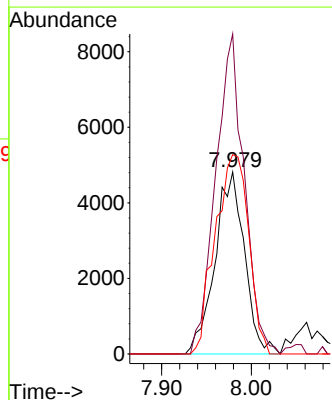
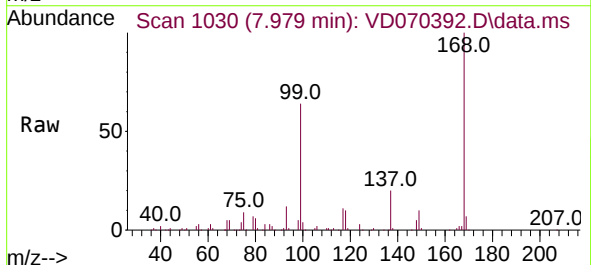


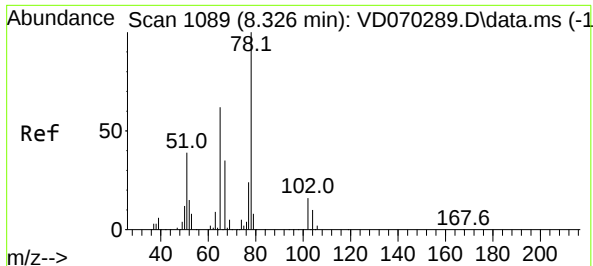
Tgt Ion:	96	Resp:	49190
Ion	Ratio	Lower	Upper
96	100		
61	122.2	0.0	277.4
98	66.0	0.0	130.0



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion:	56	Resp:	11006
Ion	Ratio	Lower	Upper
56	100		
69	175.9	26.9	40.3#
84	109.6	73.6	110.4



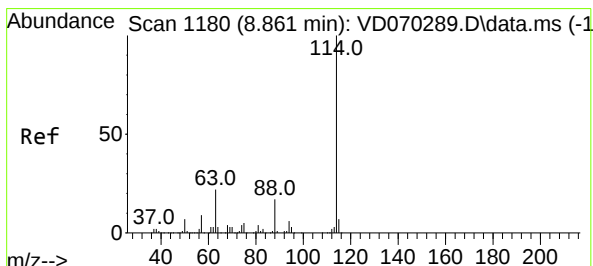
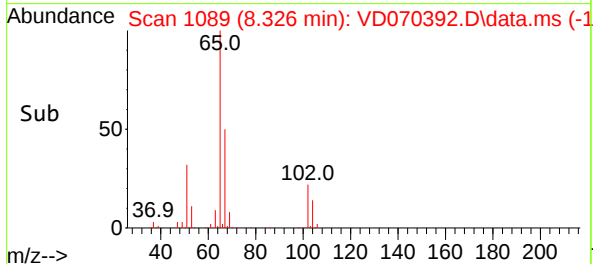
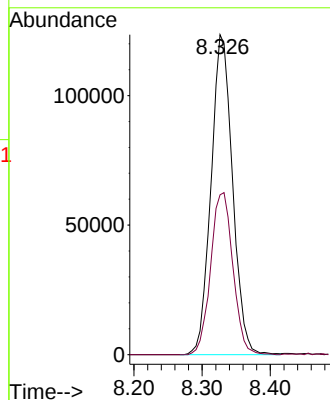
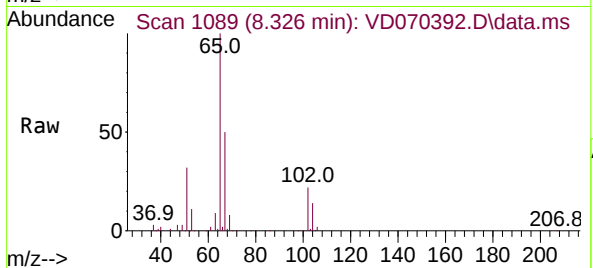


#33

1,2-Dichloroethane-d4
Concen: 51.055 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

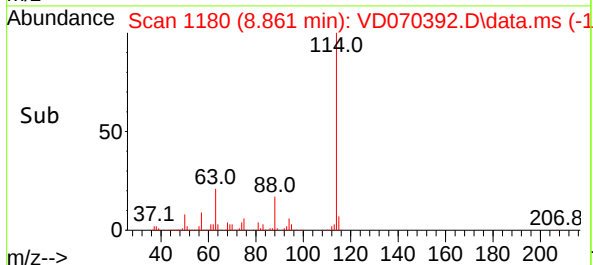
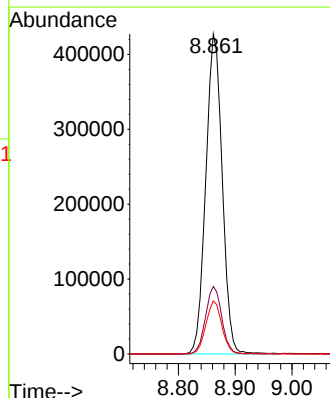
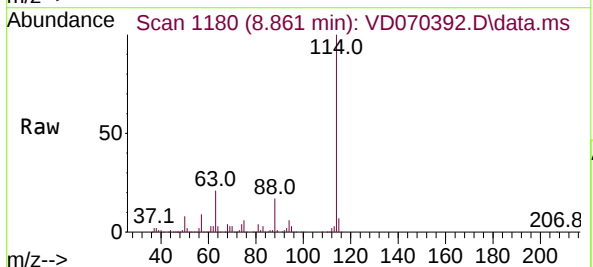
Tgt Ion: 65 Resp: 271628
Ion Ratio Lower Upper
65 100
67 52.3 0.0 111.4

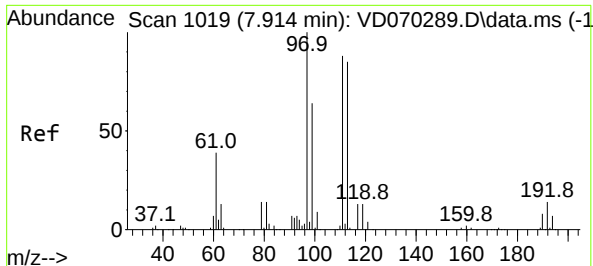


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion: 114 Resp: 856212
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.4
88 16.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.170 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070392.D

Acq: 20 Sep 2021 19:05

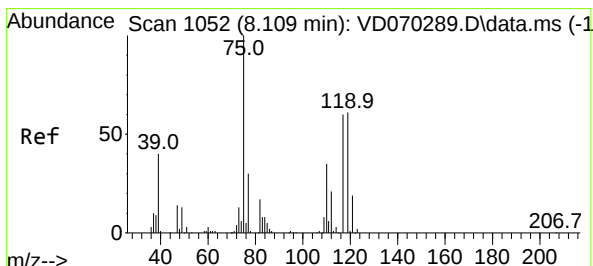
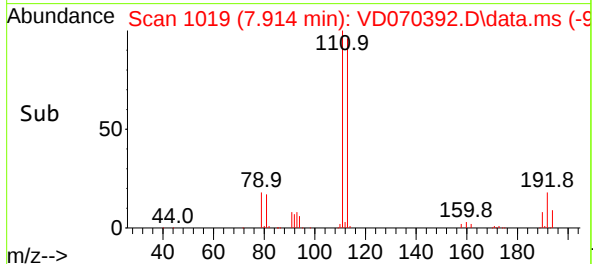
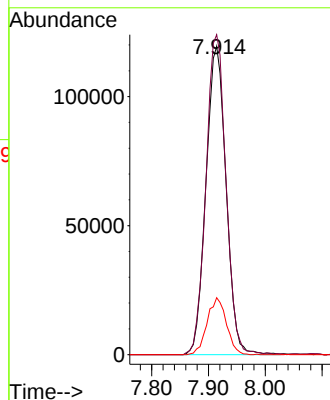
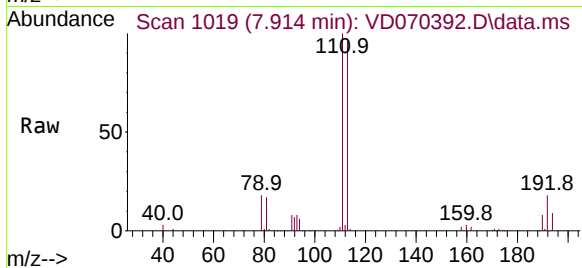
Tgt Ion:113 Resp: 293577

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.2

192 17.7 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.015 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070392.D

Acq: 20 Sep 2021 19:05

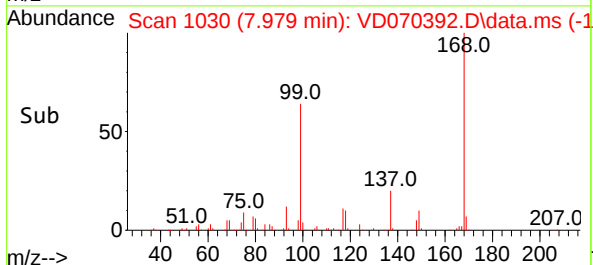
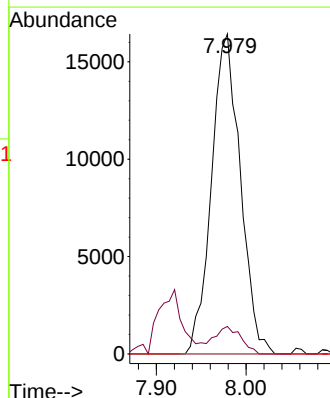
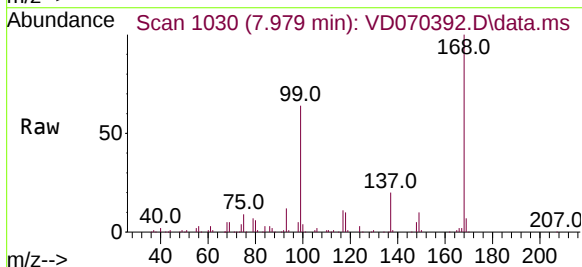
Tgt Ion: 75 Resp: 36747

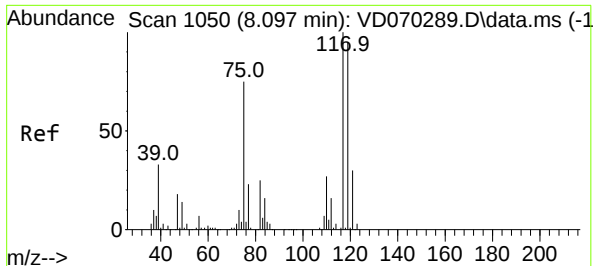
Ion Ratio Lower Upper

75 100

110 7.6 17.9 53.7#

77 0.0 25.3 37.9#

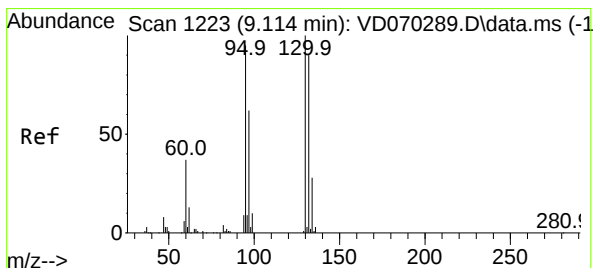
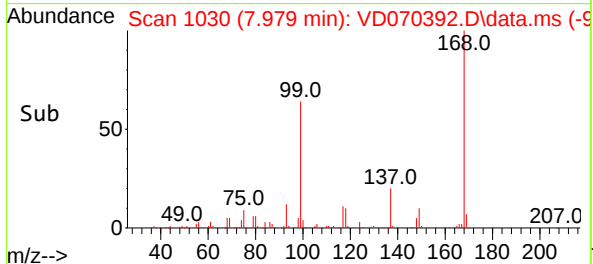
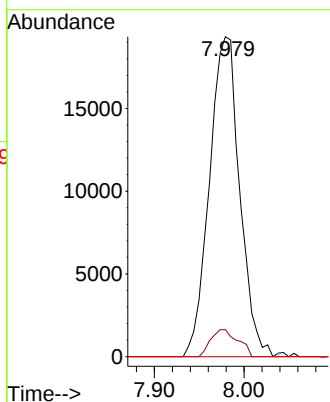
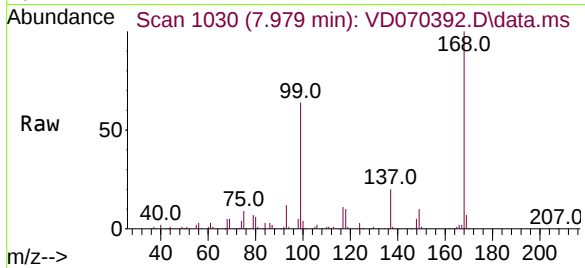




#38
Carbon Tetrachloride
Concen: 5.011 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

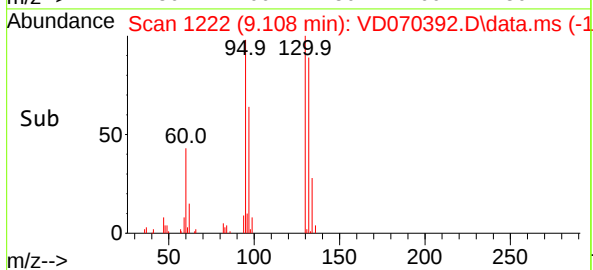
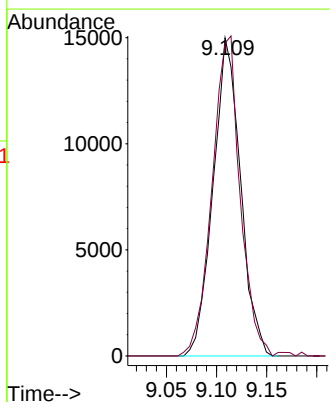
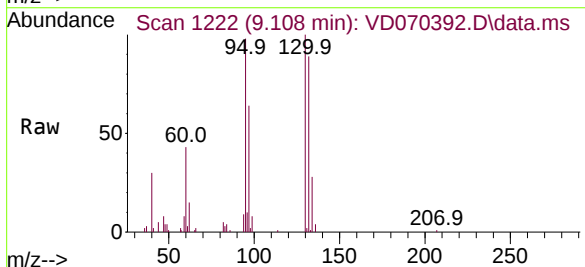
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

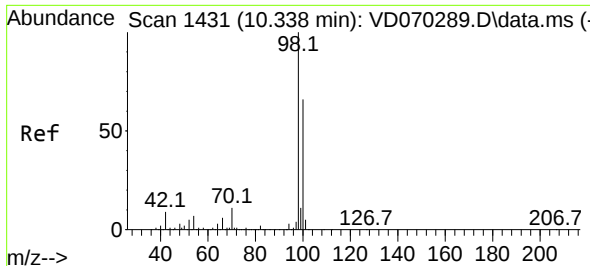
Tgt Ion:117 Resp: 45354
Ion Ratio Lower Upper
117 100
119 8.4 76.1 114.1#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 4.445 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion:130 Resp: 28490
Ion Ratio Lower Upper
130 100
95 98.4 0.0 190.0

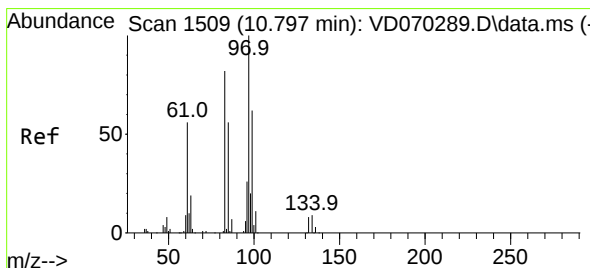
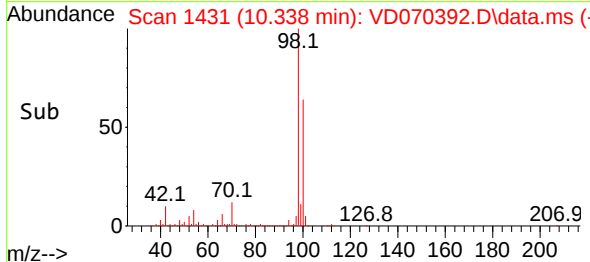
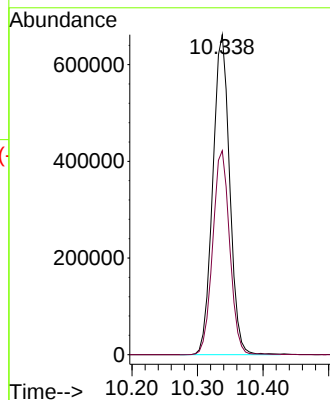
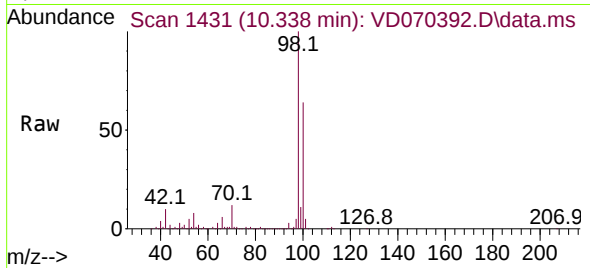




#50
Toluene-d8
Concen: 53.411 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

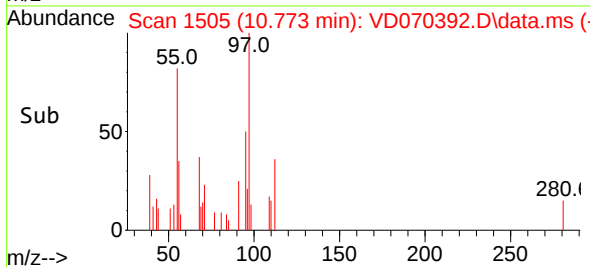
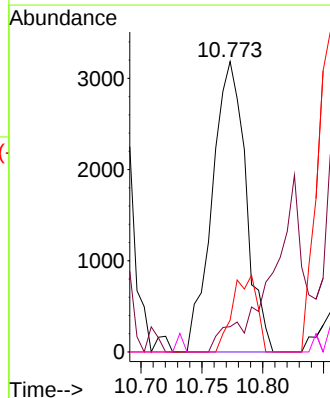
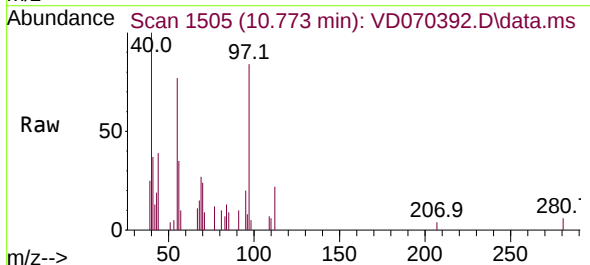
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

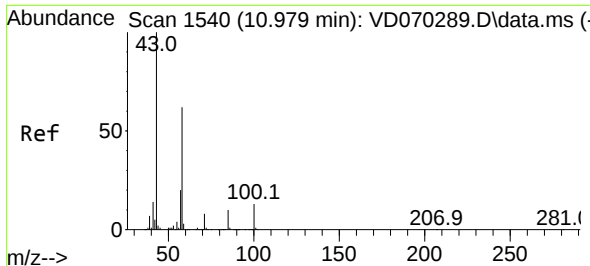
Tgt Ion: 98 Resp: 1181881
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#55
1,1,2-Trichloroethane
Concen: 1.228 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion: 97 Resp: 6119
Ion Ratio Lower Upper
97 100
83 8.7 65.3 97.9#
85 11.0 44.8 67.2#
99 0.0 49.7 74.5#

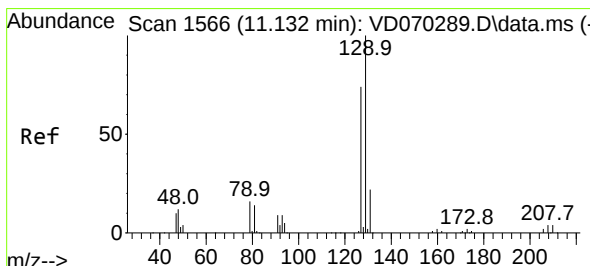
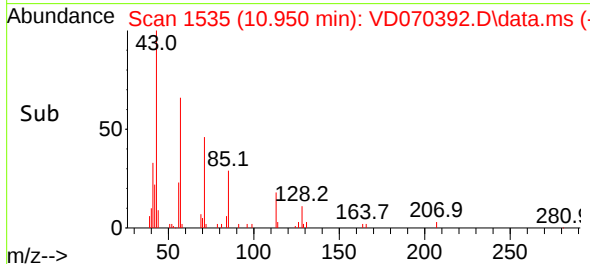
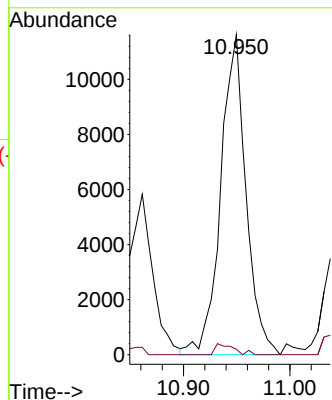
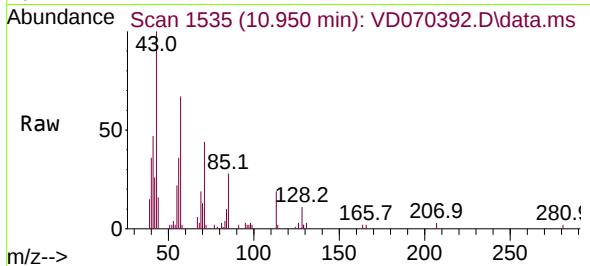




#59
2-Hexanone
Concen: 8.768 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

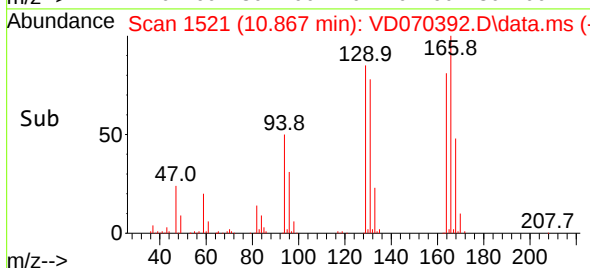
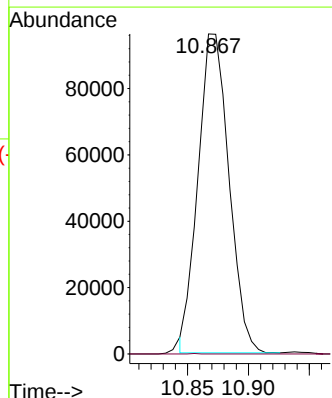
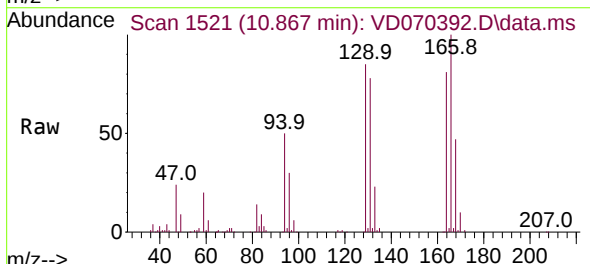
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

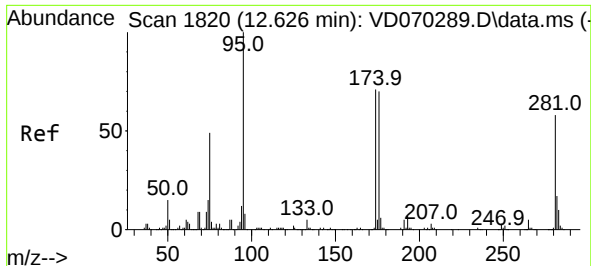
Tgt Ion: 43 Resp: 19155
Ion Ratio Lower Upper
43 100
58 2.5 30.6 91.6#



#60
Dibromochloromethane
Concen: 29.324 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.265 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion: 129 Resp: 170107
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#

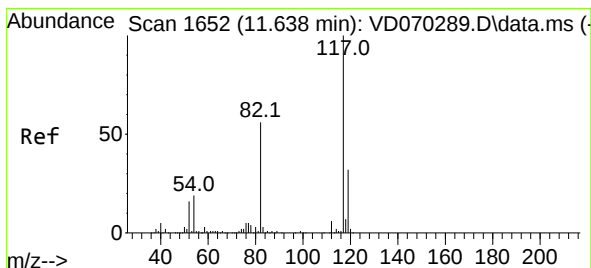
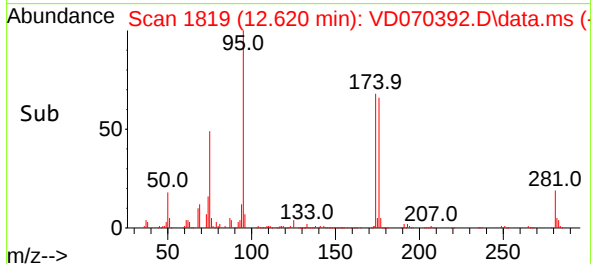
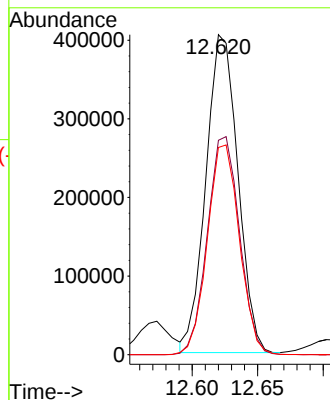
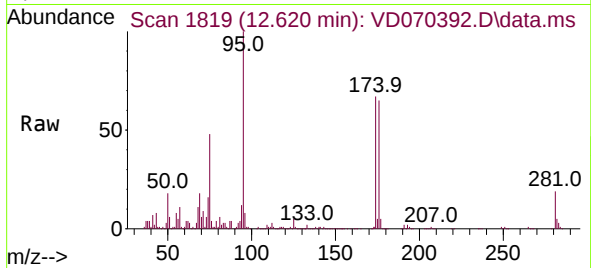




#62
4-Bromofluorobenzene
Concen: 88.877 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

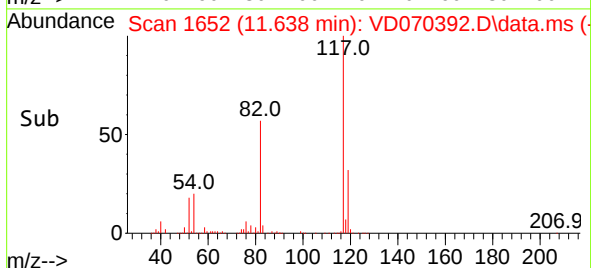
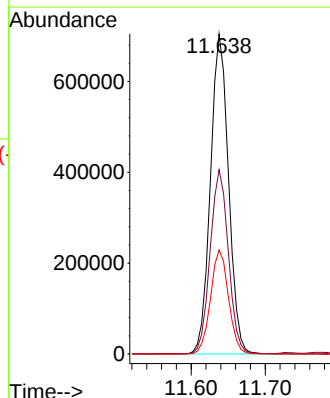
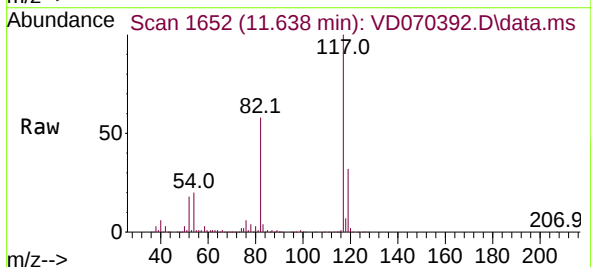
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

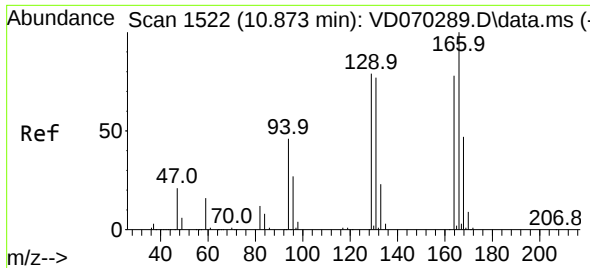
Tgt Ion: 95 Resp: 687328
Ion Ratio Lower Upper
95 100
174 69.0 0.0 140.6
176 66.1 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion:117 Resp: 1193298
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 32.5 25.2 37.8



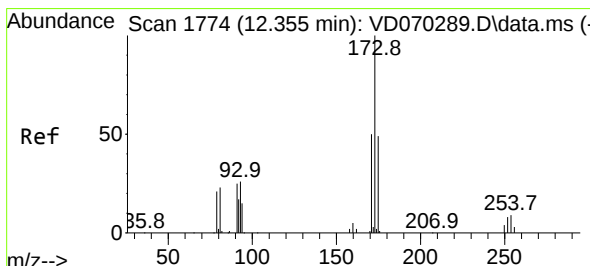
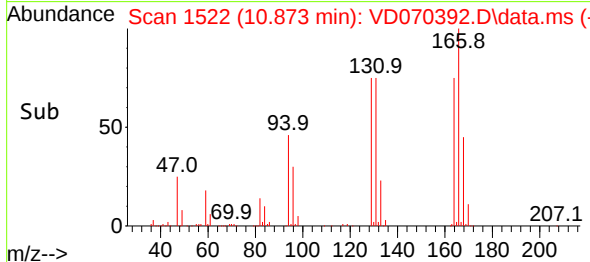
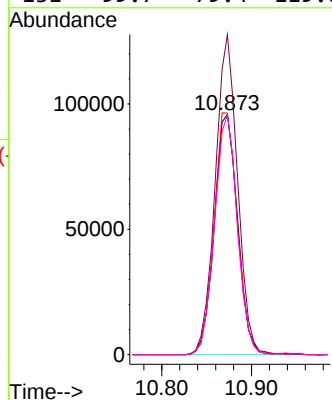
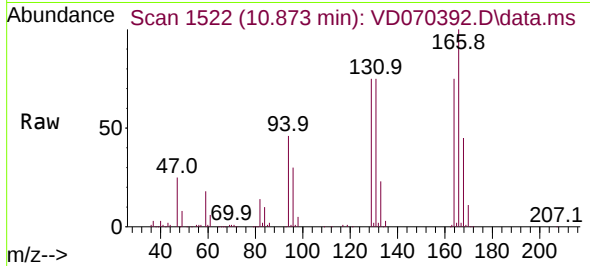


#64
Tetrachloroethene
Concen: 23.807 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

Tgt Ion:164 Resp: 172963

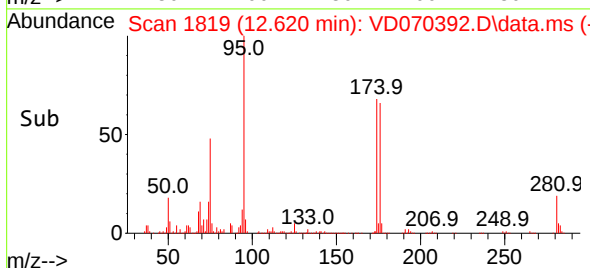
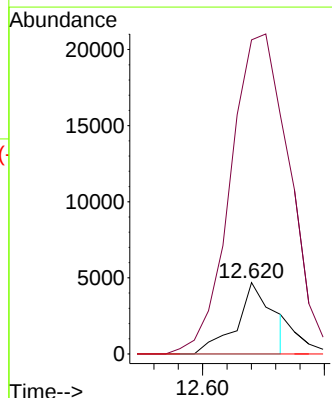
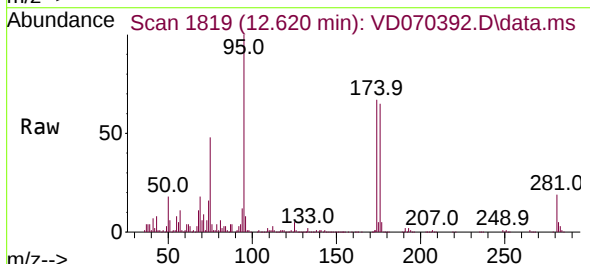
Ion	Ratio	Lower	Upper
164	100		
166	133.2	102.4	153.6
129	100.5	80.9	121.3
131	99.7	79.4	119.0

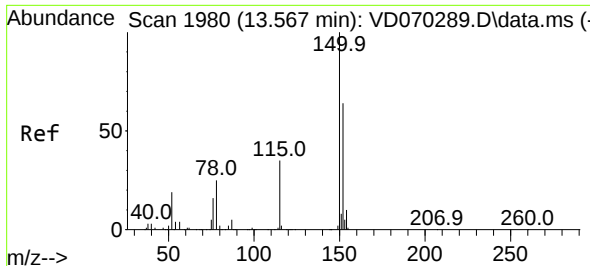


#71
Bromoform
Concen: 1.095 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion:173 Resp: 4902

Ion	Ratio	Lower	Upper
173	100		
175	607.0	25.1	75.2#
254	0.0	0.1	0.1#

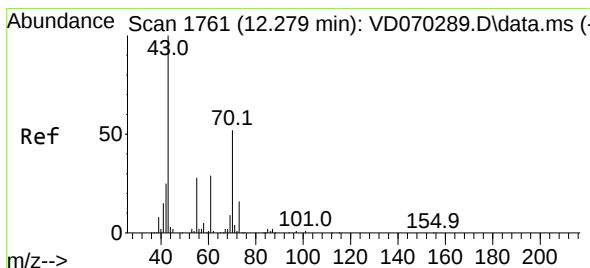
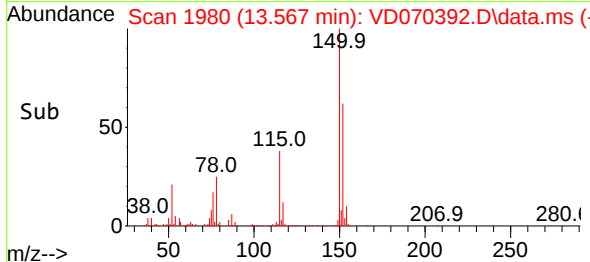
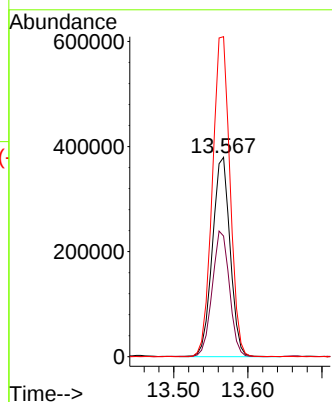
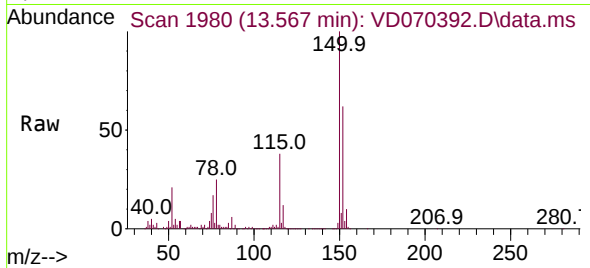




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

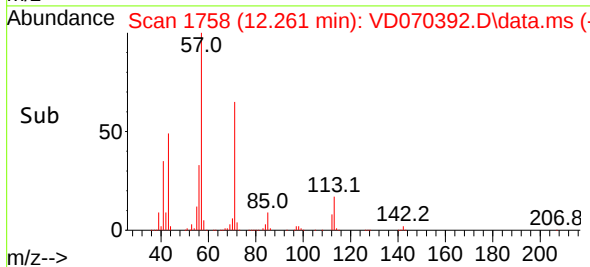
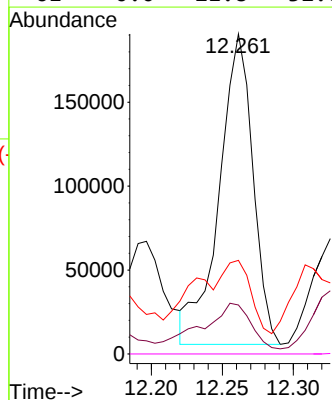
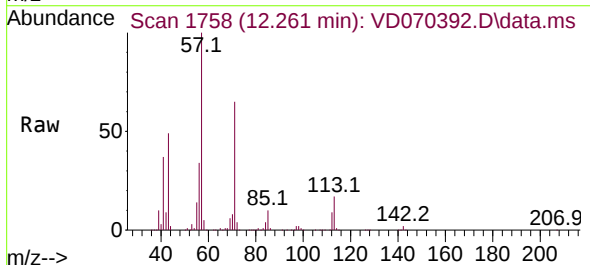
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

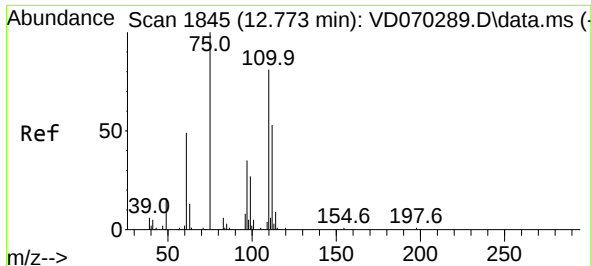
Tgt Ion:152 Resp: 630483
Ion Ratio Lower Upper
152 100
115 61.2 32.1 96.3
150 159.4 0.0 350.6



#74
N-ethyl acetate
Concen: 31.732 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion: 43 Resp: 305703
Ion Ratio Lower Upper
43 100
70 20.9 41.4 62.0#
55 20.1 22.8 34.2#
61 0.0 21.8 32.6#

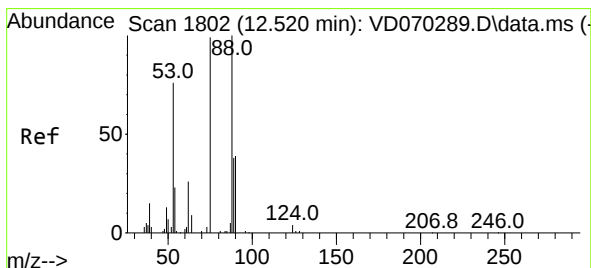
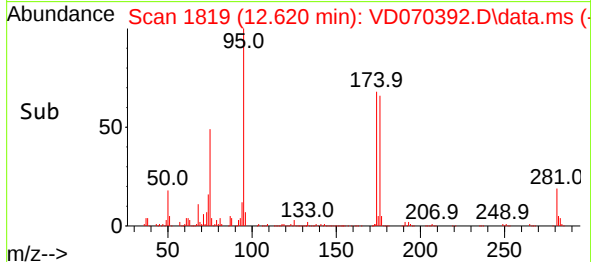
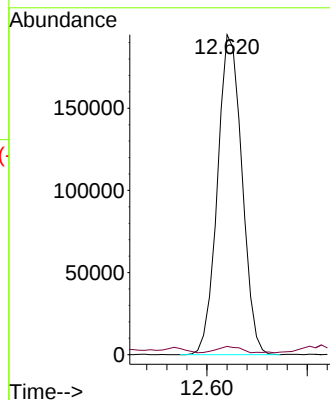
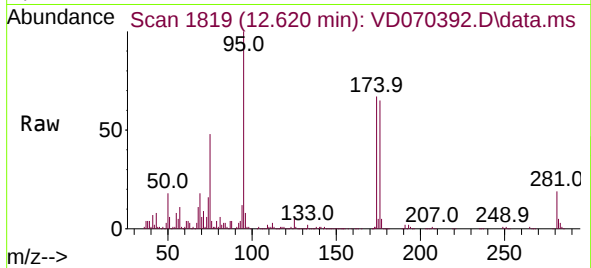




#76
1,2,3-Trichloropropane
Concen: 51.801 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

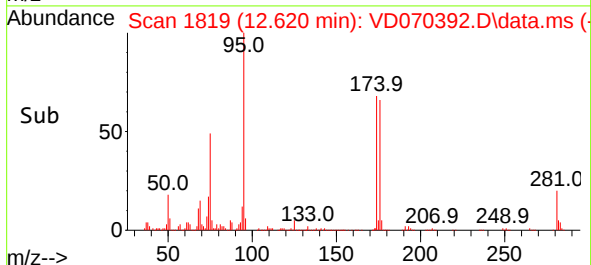
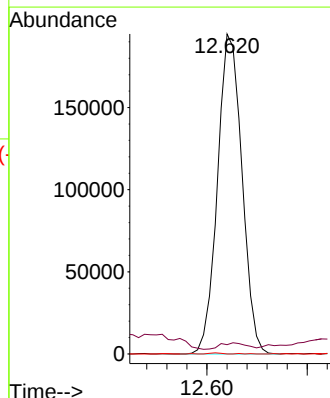
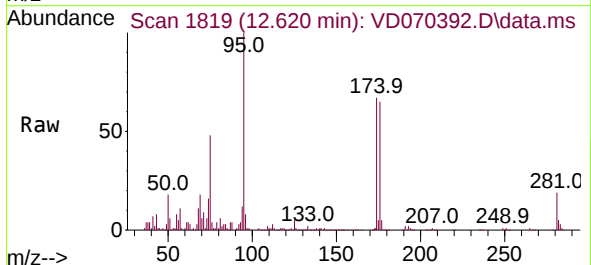
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)RE

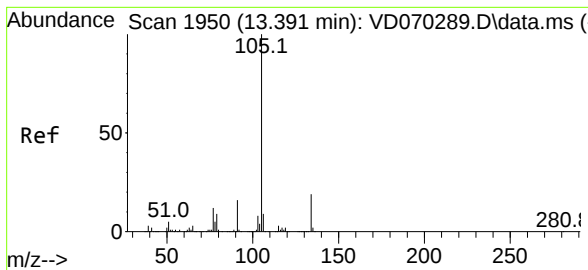
Tgt Ion: 75 Resp: 330354
Ion Ratio Lower Upper
75 100
77 1.9 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.791 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070392.D
Acq: 20 Sep 2021 19:05

Tgt Ion: 75 Resp: 330354
Ion Ratio Lower Upper
75 100
53 2.2 64.2 96.2#
89 0.1 35.6 53.4#





#85
 sec-Butylbenzene
 Concen: 1.582 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VD070392.D
 Acq: 20 Sep 2021 19:05

Instrument :
 MSVOA_D
ClientSampleId :
 NAPL-07-(22-24)RE

Tgt Ion:105 Resp: 76980
 Ion Ratio Lower Upper
 105 100
 134 38.3 9.8 29.3#

