

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070391.D
 Acq On : 20 Sep 2021 18:37
 Operator : VA/SY
 Sample : M3798-03RE
 Misc : 6.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NAPL-07-(15-18)RE

Quant Time: Sep 21 03:35:57 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)

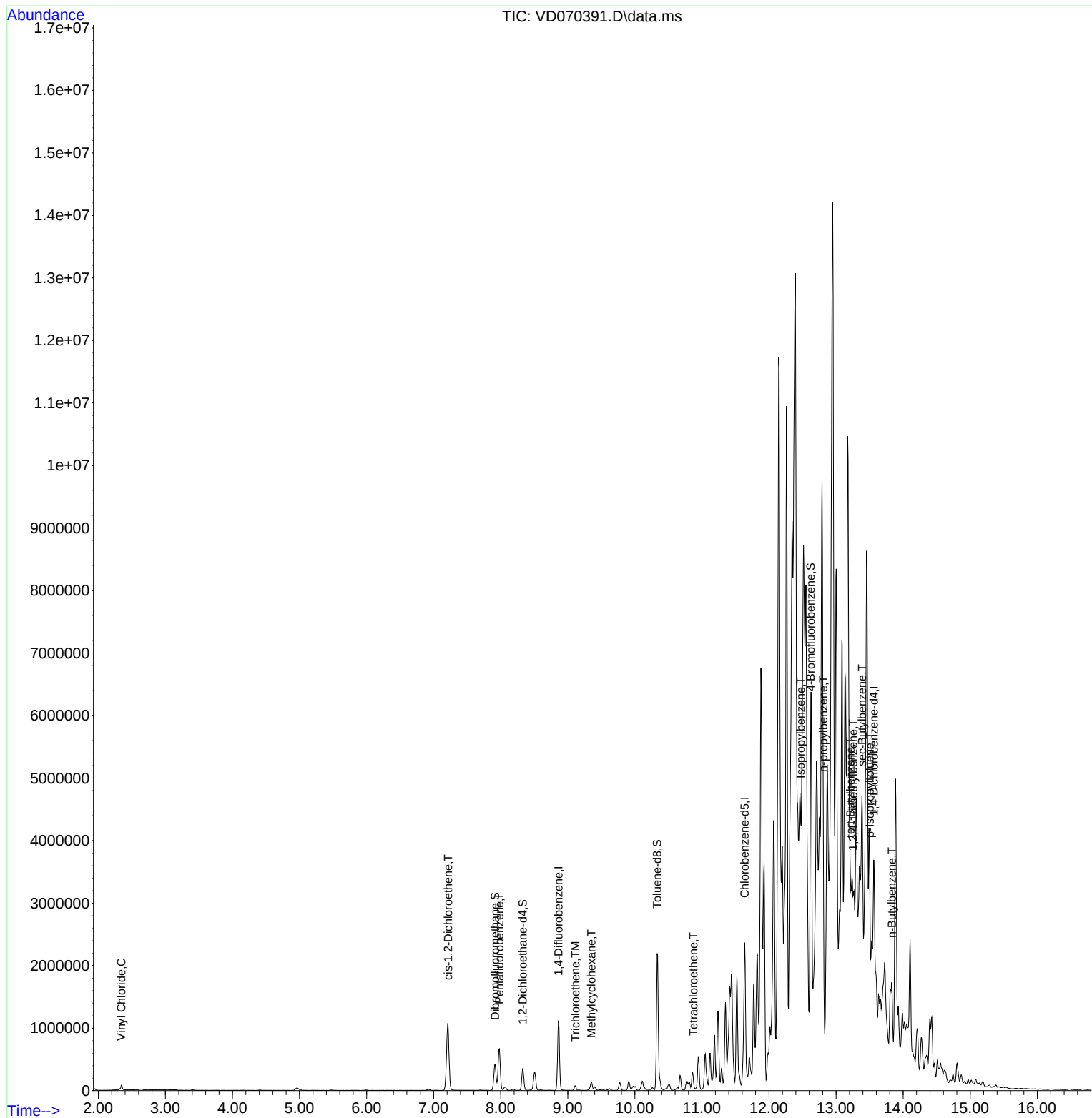
Internal Standards						
1) Pentafluorobenzene	7.979	168	468113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	953418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1266355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	715805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	274961	45.745	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.500%		
35) Dibromofluoromethane	7.914	113	309005	45.532	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.060%		
50) Toluene-d8	10.332	98	1338069	54.304	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.600%		
62) 4-Bromofluorobenzene	12.620	95	961968	111.708	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	223.420%#		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.344	62	59602	8.092	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	663752	95.245	ug/l	91
39) Methylcyclohexane	9.350	83	41171	3.616	ug/l #	87
44) Trichloroethene	9.114	130	27596	3.866	ug/l	89
64) Tetrachloroethene	10.873	164	14002	1.816	ug/l	86
73) Isopropylbenzene	12.473	105	305774	6.091	ug/l	99
78) n-propylbenzene	12.808	91	1006161	15.443	ug/l	98
83) tert-Butylbenzene	13.214	119	234098	6.737	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	558128	13.082	ug/l	99
85) sec-Butylbenzene	13.391	105	1040584	18.841	ug/l #	64
86) p-Isopropyltoluene	13.502	119	159156	3.587	ug/l	95
89) n-Butylbenzene	13.832	91	566043	12.794	ug/l #	83

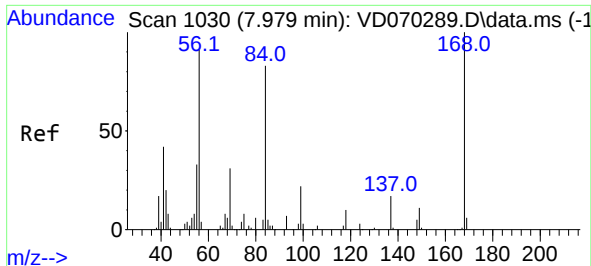
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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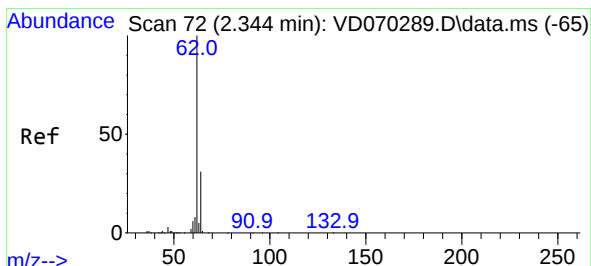
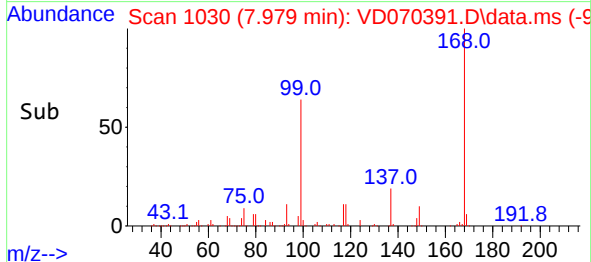
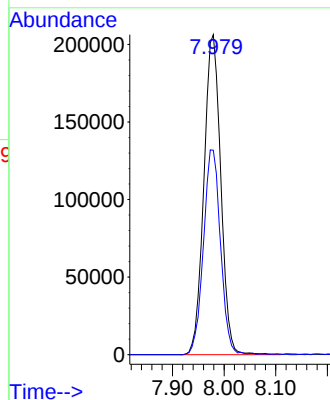
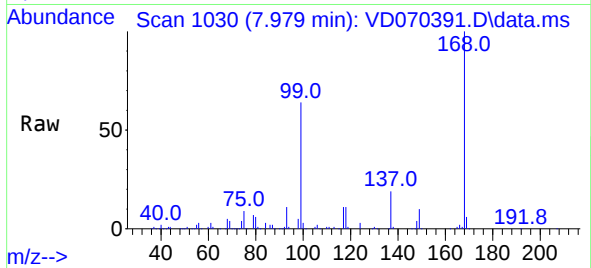




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

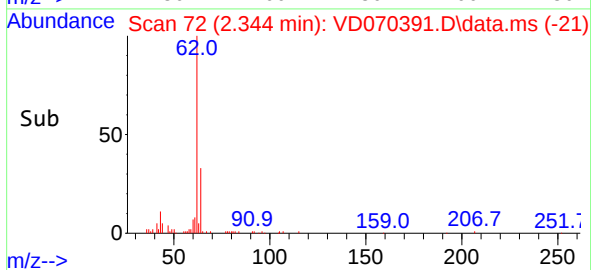
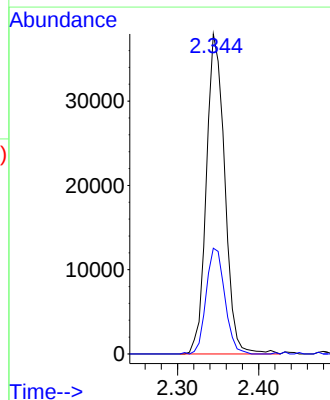
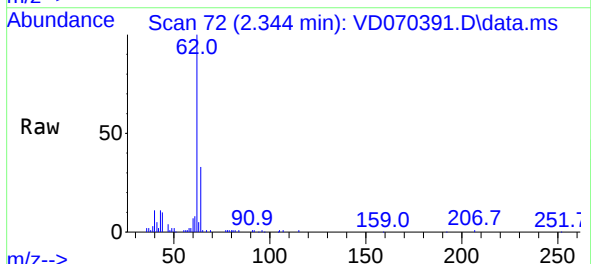
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)RE

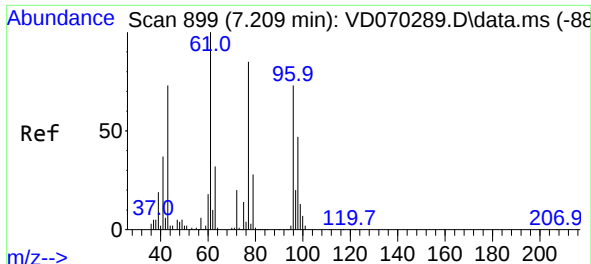
Tgt Ion:168 Resp: 468113
Ion Ratio Lower Upper
168 100
99 63.9 50.8 76.2



#4
Vinyl Chloride
Concen: 8.092 ug/l
RT: 2.344 min Scan# 72
Delta R.T. 0.000 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

Tgt Ion: 62 Resp: 59602
Ion Ratio Lower Upper
62 100
64 33.0 24.6 36.8





#27

cis-1,2-Dichloroethene

Concen: 95.245 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.006 min

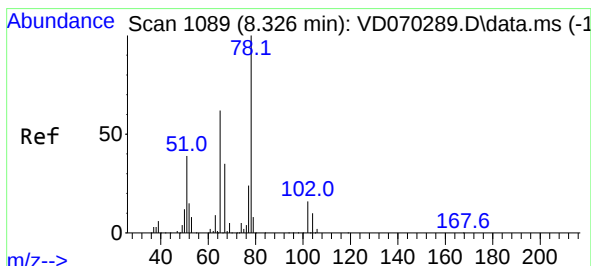
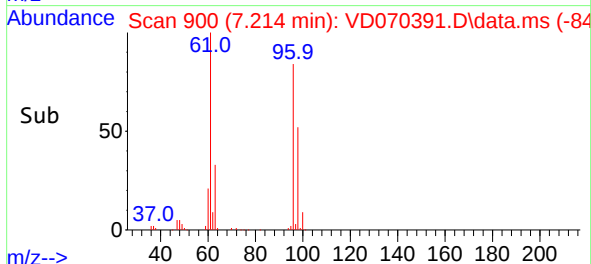
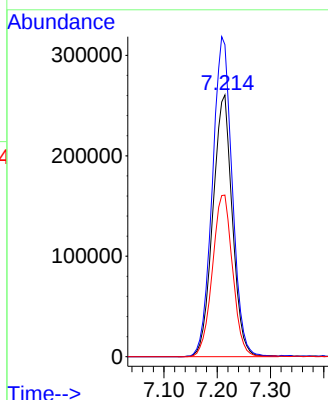
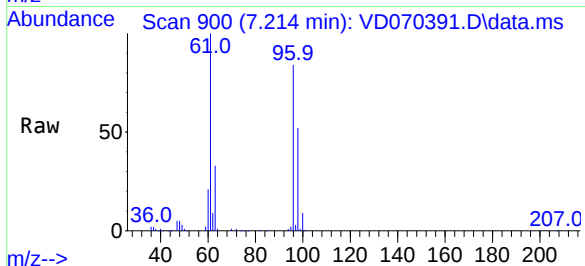
Lab File: VD070391.D

Acq: 20 Sep 2021 18:37

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)RE

Tgt Ion: 96 Resp: 663752

Ion	Ratio	Lower	Upper
96	100		
61	124.3	0.0	277.4
98	63.9	0.0	130.0



#33

1,2-Dichloroethane-d4

Concen: 45.745 ug/l

RT: 8.326 min Scan# 1089

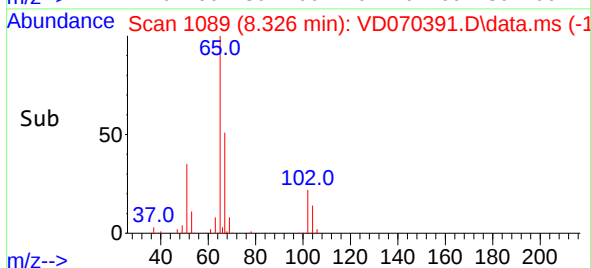
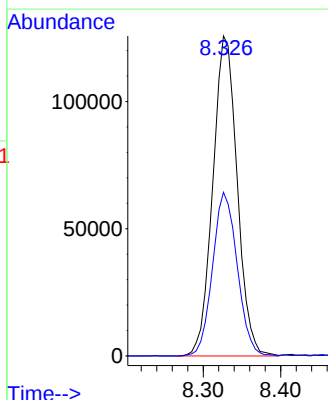
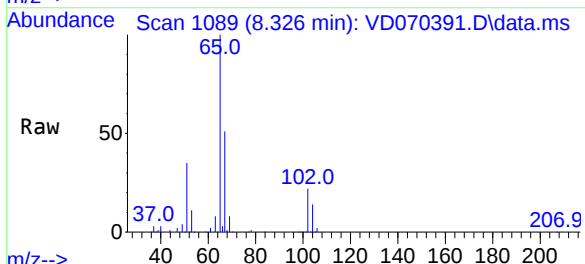
Delta R.T. -0.000 min

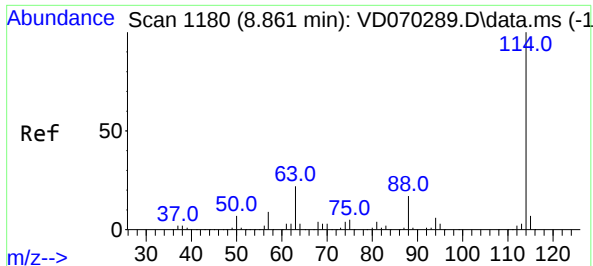
Lab File: VD070391.D

Acq: 20 Sep 2021 18:37

Tgt Ion: 65 Resp: 274961

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	111.4

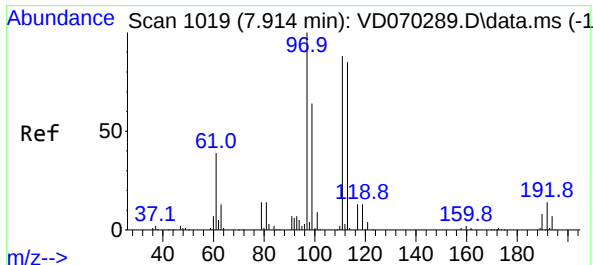
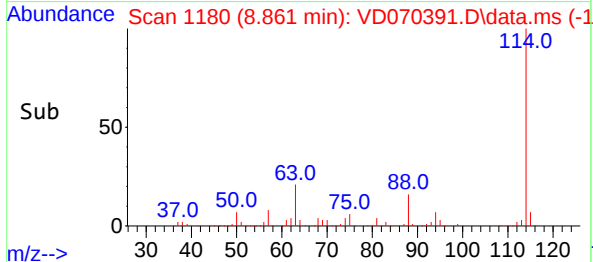
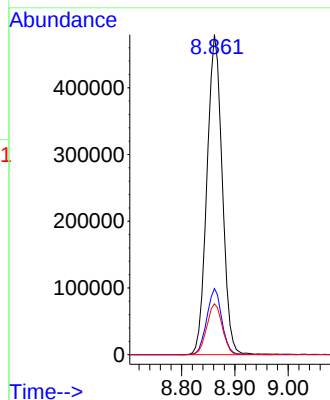
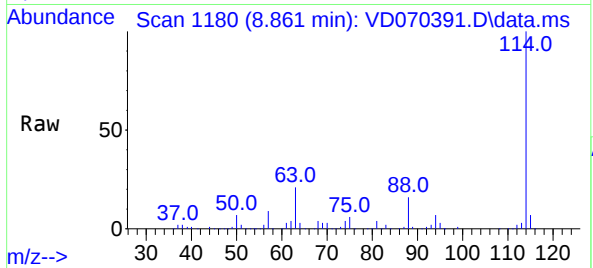




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

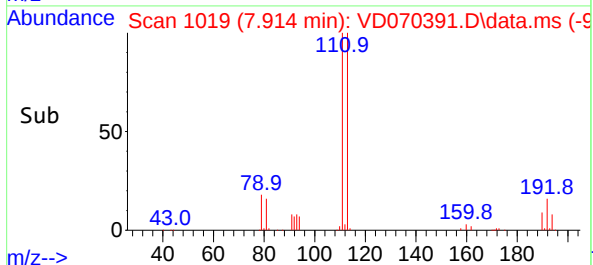
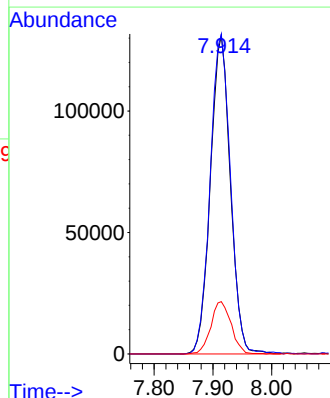
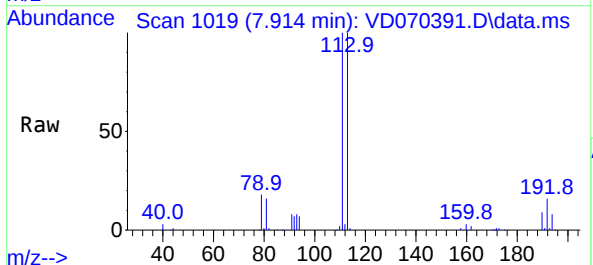
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)RE

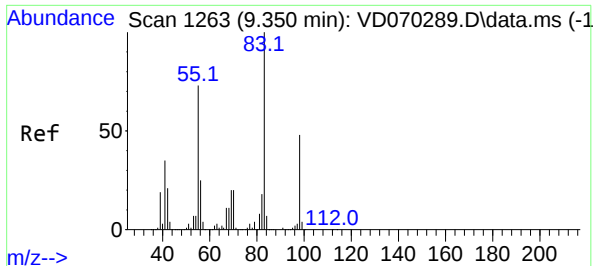
Tgt Ion:114 Resp: 953418
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.4
88 15.9 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.532 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

Tgt Ion:113 Resp: 309005
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.2
192 16.8 13.0 19.6





#39

Methylcyclohexane

Concen: 3.616 ug/l

RT: 9.350 min Scan# 1263

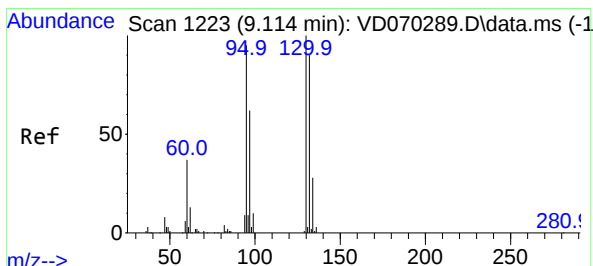
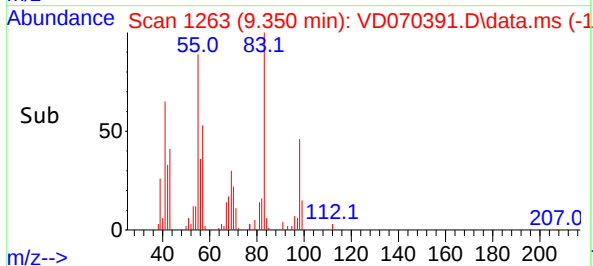
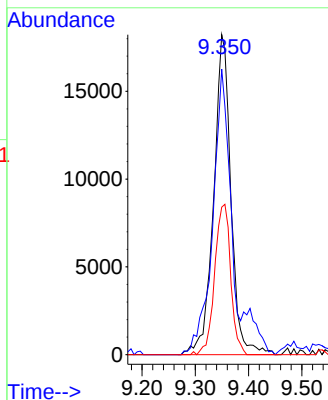
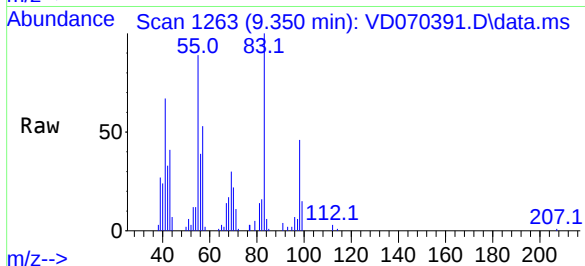
Delta R.T. -0.000 min

Lab File: VD070391.D

Acq: 20 Sep 2021 18:37

Tgt Ion:	83	Resp:	41171
Ion	Ratio	Lower	Upper
83	100		
55	89.2	58.5	87.7#
98	46.1	38.4	57.6

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)RE



#44

Trichloroethene

Concen: 3.866 ug/l

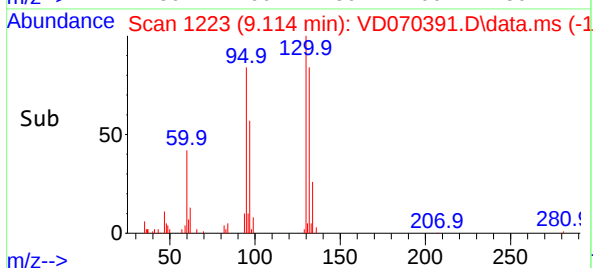
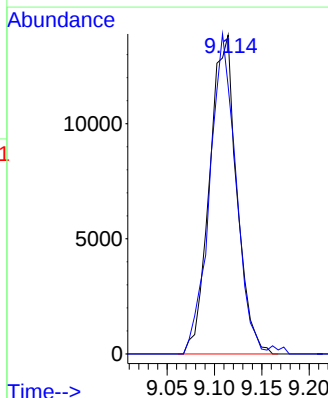
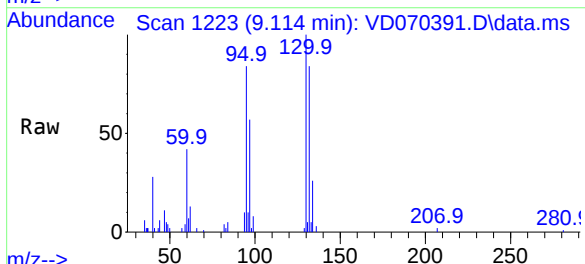
RT: 9.114 min Scan# 1223

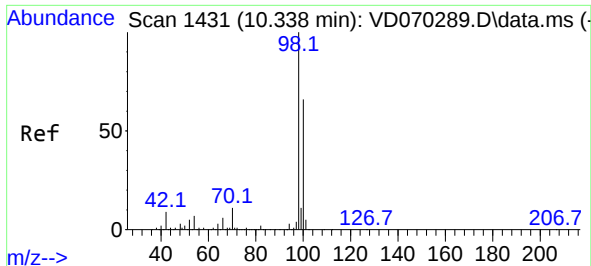
Delta R.T. -0.000 min

Lab File: VD070391.D

Acq: 20 Sep 2021 18:37

Tgt Ion:	130	Resp:	27596
Ion	Ratio	Lower	Upper
130	100		
95	84.1	0.0	190.0

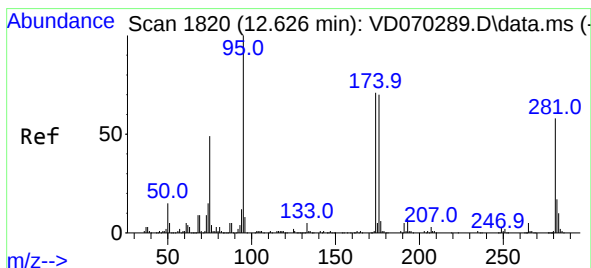
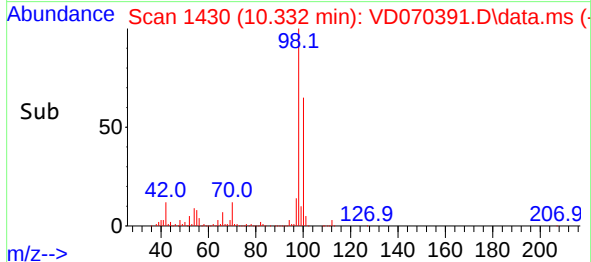
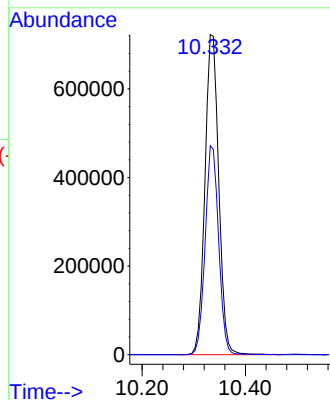
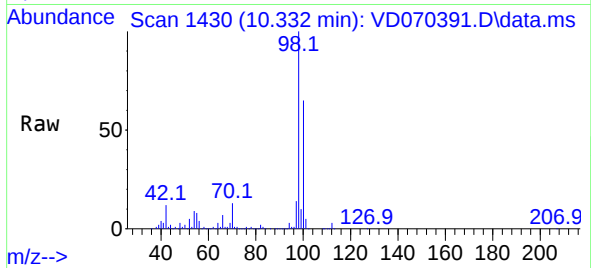




#50
Toluene-d8
Concen: 54.304 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

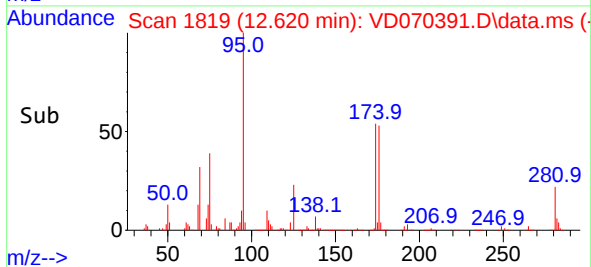
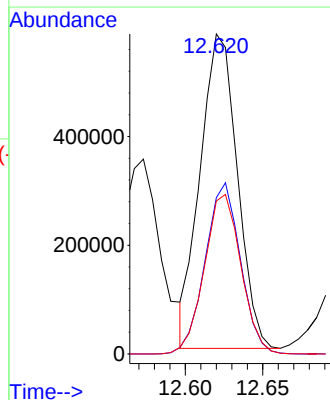
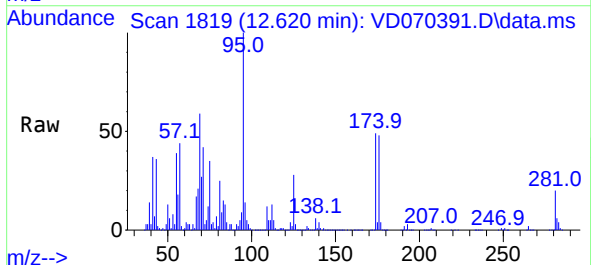
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)RE

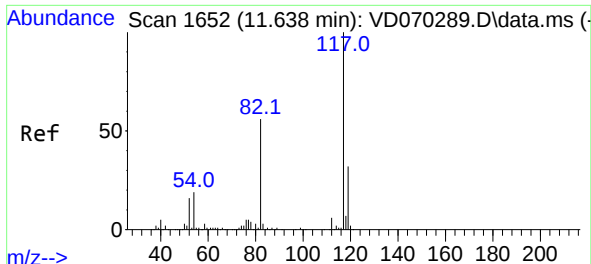
Tgt Ion: 98 Resp: 1338069
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 111.708 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

Tgt Ion: 95 Resp: 961968
Ion Ratio Lower Upper
95 100
174 51.8 0.0 140.6
176 50.1 0.0 137.4

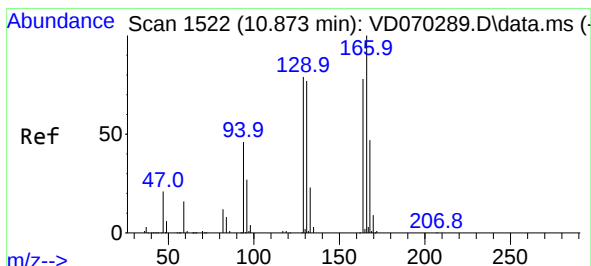
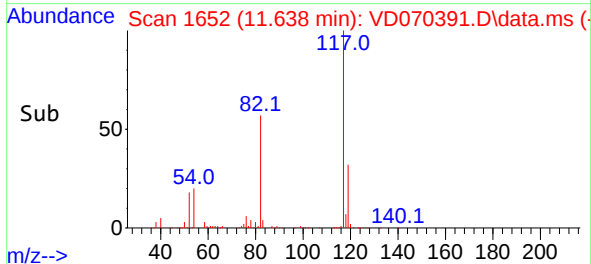
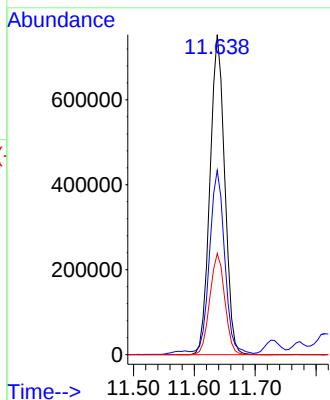
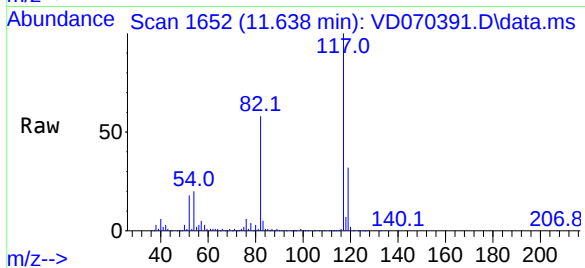




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

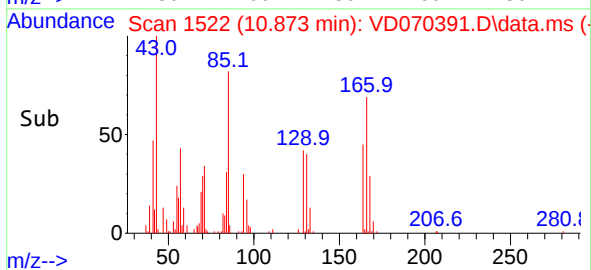
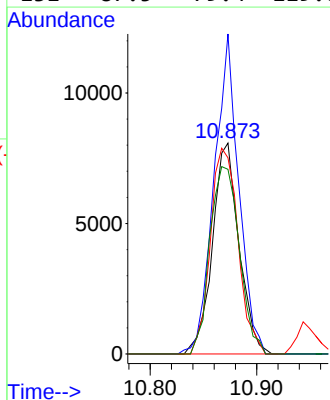
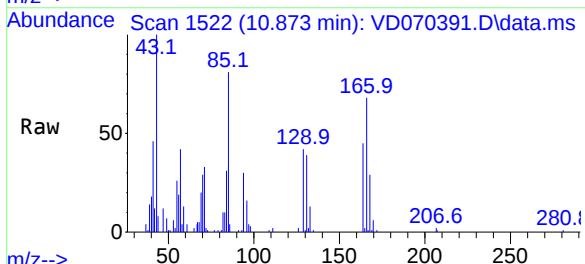
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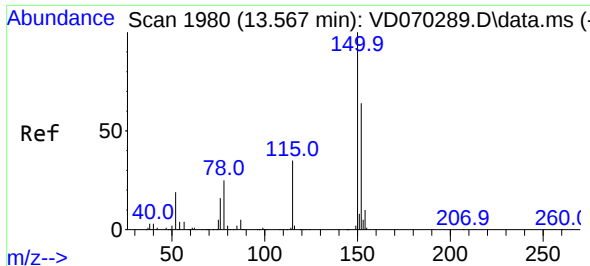
Tgt Ion:117 Resp: 1266355
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 31.6 25.2 37.8



#64
Tetrachloroethene
Concen: 1.816 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

Tgt Ion:164 Resp: 14002
Ion Ratio Lower Upper
164 100
166 151.7 102.4 153.6
129 93.1 80.9 121.3
131 87.5 79.4 119.0

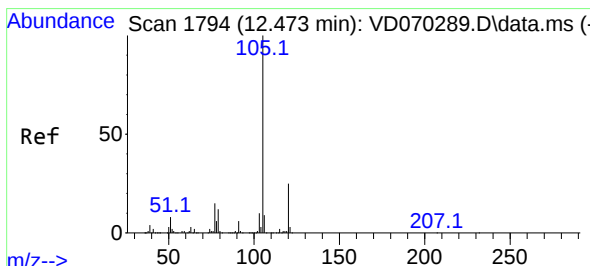
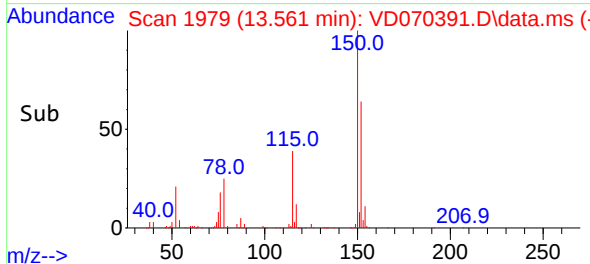
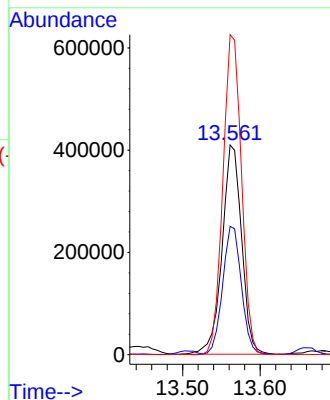
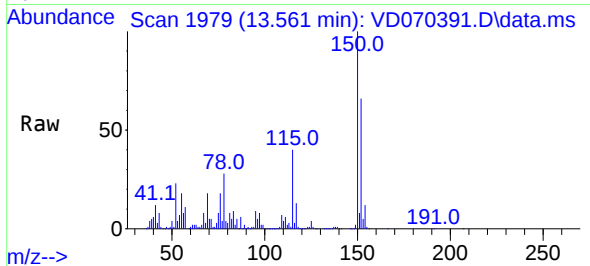




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

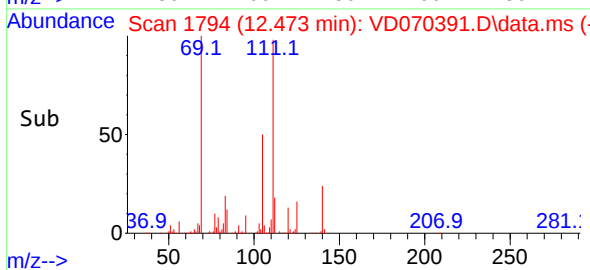
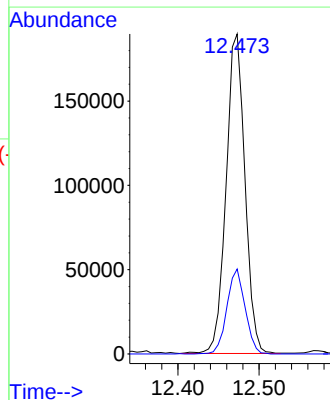
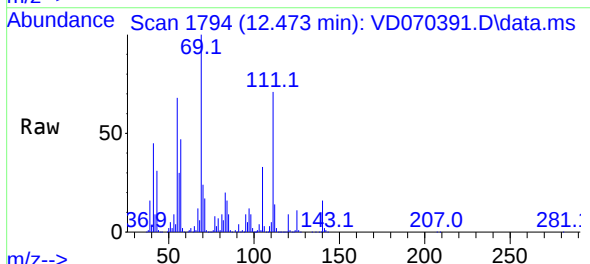
Instrument :
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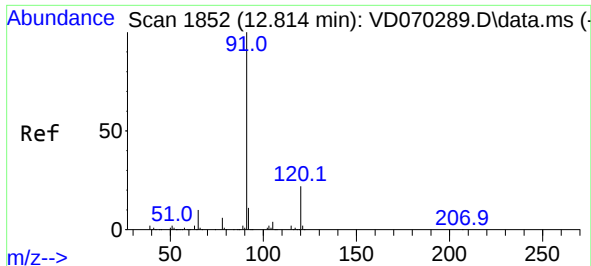
Tgt Ion:152 Resp: 715805
Ion Ratio Lower Upper
152 100
115 58.8 32.1 96.3
150 145.8 0.0 350.6



#73
Isopropylbenzene
Concen: 6.091 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

Tgt Ion:105 Resp: 305774
Ion Ratio Lower Upper
105 100
120 25.6 13.0 38.9

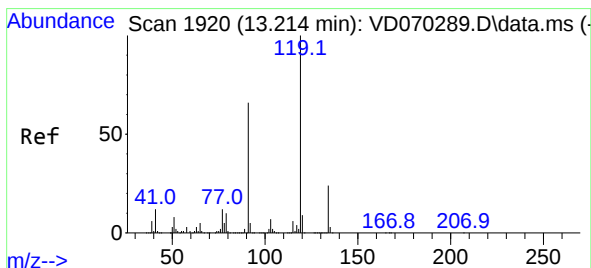
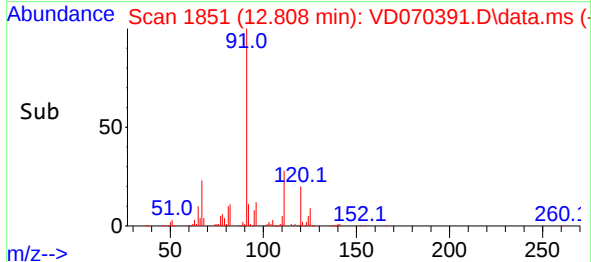
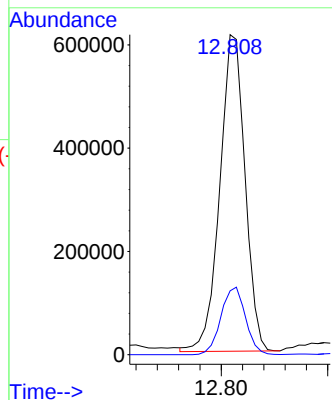
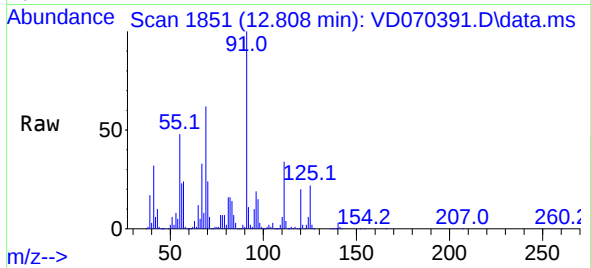




#78
n-propylbenzene
Concen: 15.443 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

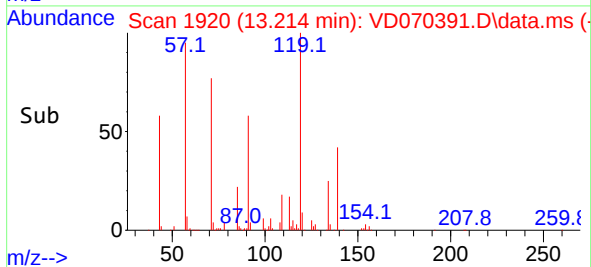
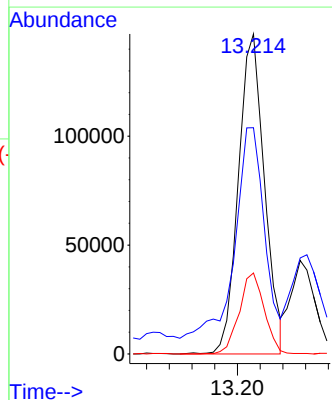
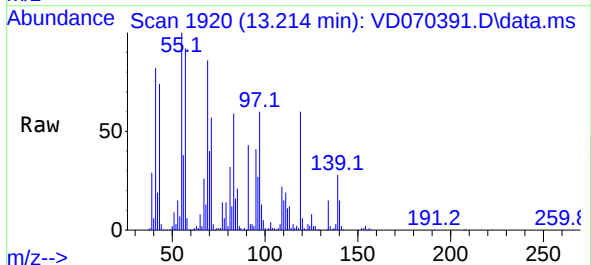
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)RE

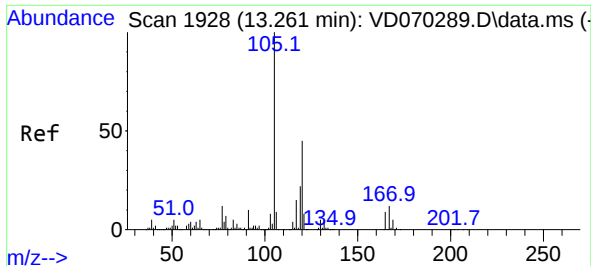
Tgt Ion: 91 Resp: 1006161
Ion Ratio Lower Upper
91 100
120 20.8 11.0 33.0



#83
tert-Butylbenzene
Concen: 6.737 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

Tgt Ion: 119 Resp: 234098
Ion Ratio Lower Upper
119 100
91 72.6 33.7 101.0
134 24.4 13.2 39.5

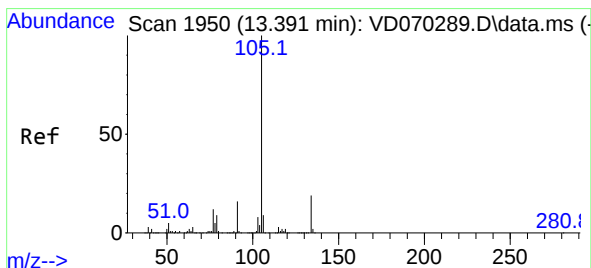
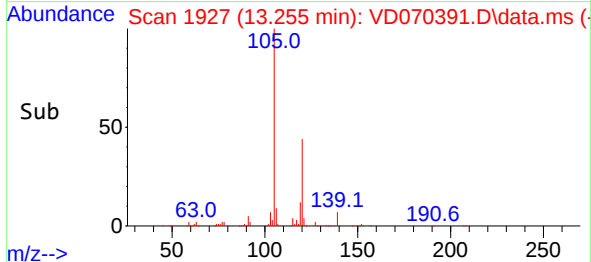
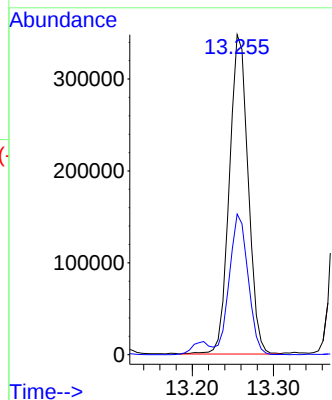
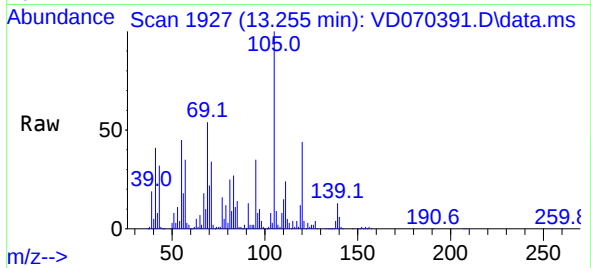




#84
1,2,4-Trimethylbenzene
Concen: 13.082 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

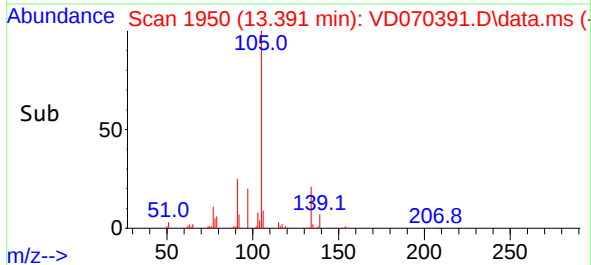
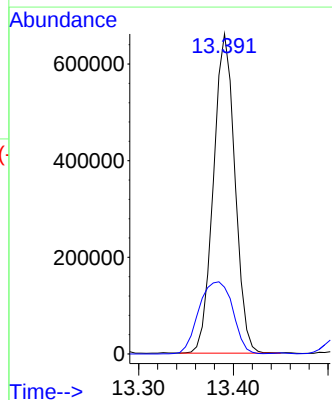
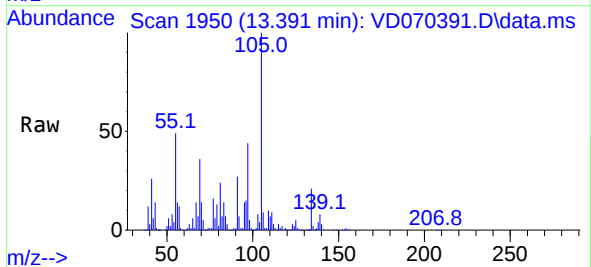
Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)RE

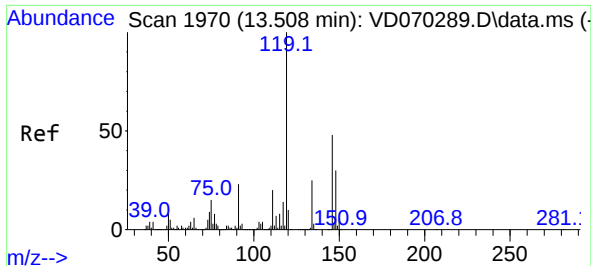
Tgt Ion:105 Resp: 558128
Ion Ratio Lower Upper
105 100
120 44.0 22.3 66.8



#85
sec-Butylbenzene
Concen: 18.841 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

Tgt Ion:105 Resp: 1040584
Ion Ratio Lower Upper
105 100
134 35.7 9.8 29.3#

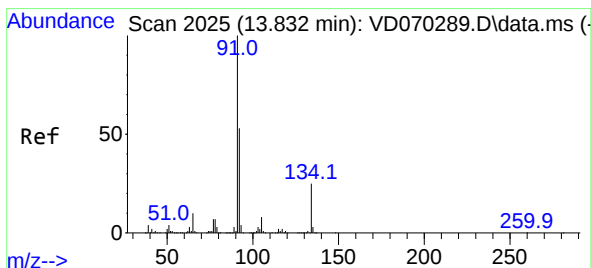
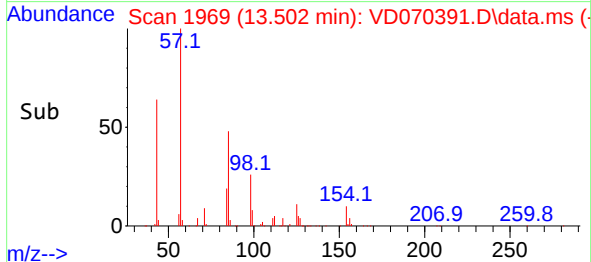
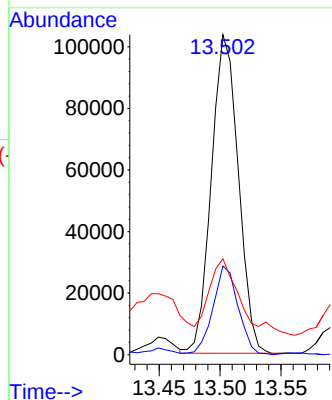
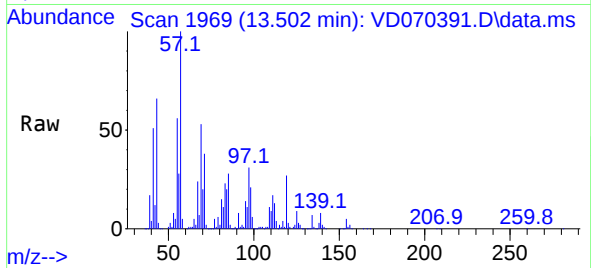




#86
p-Isopropyltoluene
Concen: 3.587 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(15-18)RE

Tgt Ion:119 Resp: 159156
Ion Ratio Lower Upper
119 100
134 26.1 12.7 38.0
91 27.4 11.8 35.3



#89
n-Butylbenzene
Concen: 12.794 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD070391.D
Acq: 20 Sep 2021 18:37

Tgt Ion: 91 Resp: 566043
Ion Ratio Lower Upper
91 100
92 51.8 26.8 80.4
134 0.0 12.1 36.3#

