

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091621\
 Data File : VY006049.D
 Acq On : 16 Sep 2021 15:43
 Operator : SY/MD
 Sample : M3750-01
 Misc : 6.42G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NAPL-AREA-03-(8-10)

Quant Time: Sep 17 02:45:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

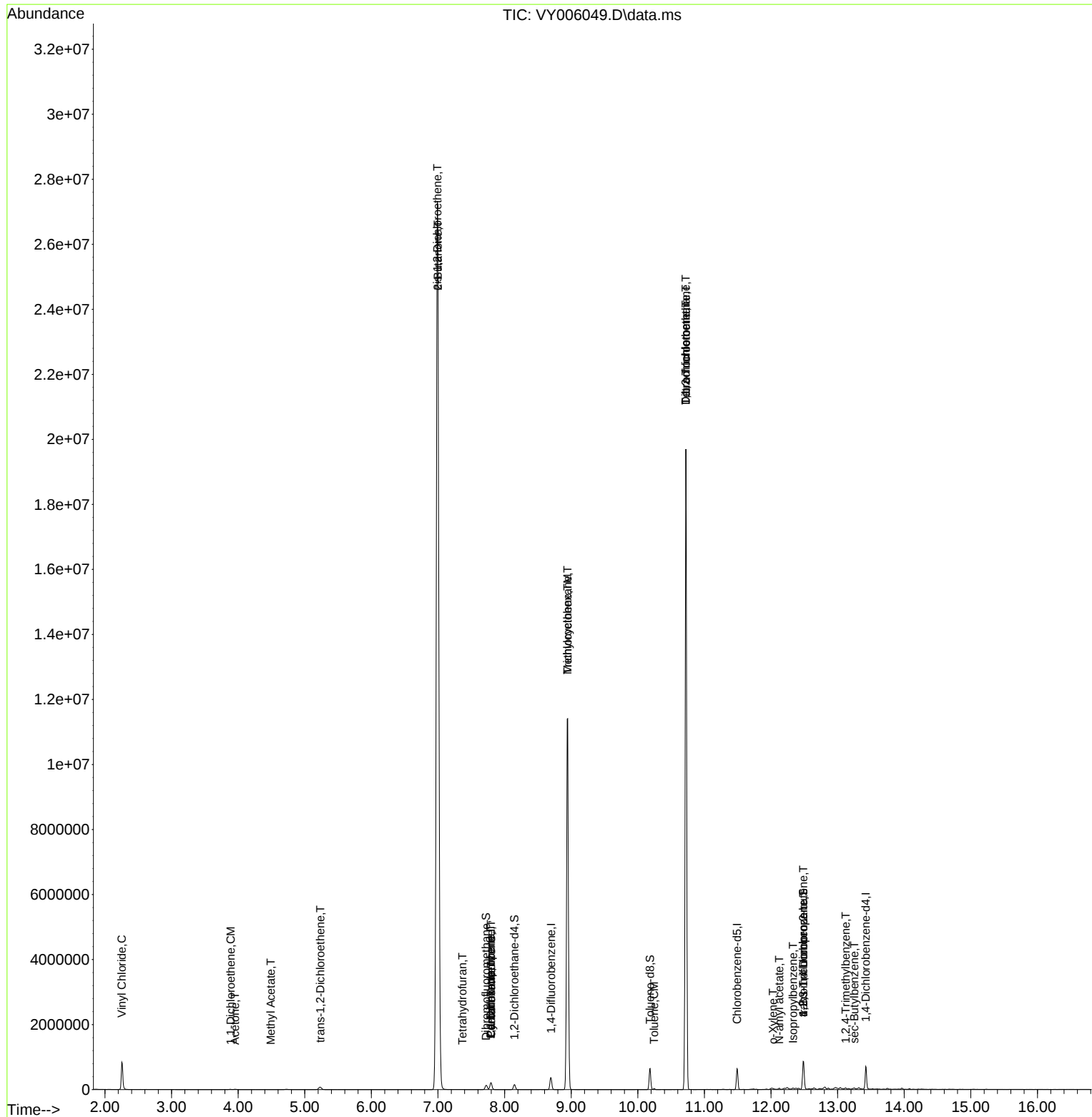
Internal Standards						
1) Pentafluorobenzene	7.795	168	158891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	300256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	330726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124132	56.242	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.480%
35) Dibromofluoromethane	7.722	113	93463	50.116	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.240%
50) Toluene-d8	10.185	98	404735	50.920	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.840%
62) 4-Bromofluorobenzene	12.483	95	166535	61.711	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	123.420%
Target Compounds						Qvalue
4) Vinyl Chloride	2.253	62	826639	350.767	ug/l	99
11) Tert butyl alcohol	4.954	59	2392	Below Cal	#	83
12) 1,1-Dichloroethene	3.887	96	5223	3.292	ug/l	82
16) Acetone	3.954	43	21806	36.022	ug/l	95
18) Methyl Acetate	4.491	43	2218	1.455	ug/l	92
20) Methylene Chloride	4.729	84	7349	Below Cal		91
21) trans-1,2-Dichloroethene	5.235	96	48515	27.271	ug/l	99
25) 2-Butanone	6.996	43	4192	5.024	ug/l	# 1
27) cis-1,2-Dichloroethene	6.990	96	15919722	8021.179	ug/l	81
29) Tetrahydrofuran	7.368	42	770	1.468	ug/l	93
31) Cyclohexane	7.795	56	4084	1.155	ug/l	# 37
36) 1,1-Dichloropropene	7.789	75	13036	4.022	ug/l	# 51
38) Carbon Tetrachloride	7.795	117	15697	4.449	ug/l	# 15
39) Methylcyclohexane	8.947	83	49087	12.221	ug/l	# 1
44) Trichloroethene	8.947	130	3658256	1579.630	ug/l	92
52) Toluene	10.246	92	11835	2.067	ug/l	99
55) 1,1,2-Trichloroethane	10.721	97	34305	20.062	ug/l	# 1
60) Dibromochloromethane	10.721	129	3540097	1679.201	ug/l	# 11
64) Tetrachloroethene	10.721	164	3880323	1434.484	ug/l	97
69) o-Xylene	12.032	106	5261	1.092	ug/l	98
73) Isopropylbenzene	12.331	105	18231	1.404	ug/l	99
74) N-amyl acetate	12.124	43	9954	2.220	ug/l	# 65
76) 1,2,3-Trichloropropane	12.483	75	97749	55.288	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	97749	101.647	ug/l	# 8
84) 1,2,4-Trimethylbenzene	13.123	105	18754	1.755	ug/l	97
85) sec-Butylbenzene	13.251	105	16752	1.215	ug/l	# 73

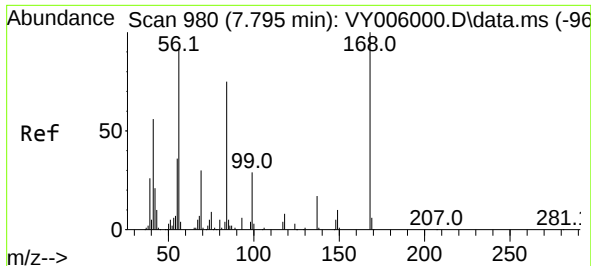
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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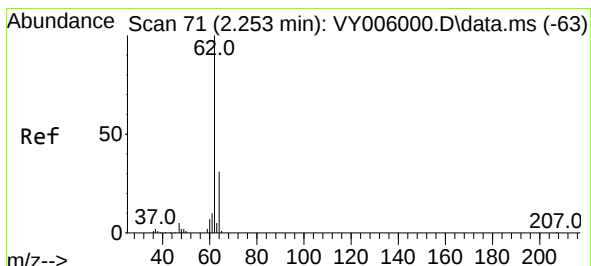
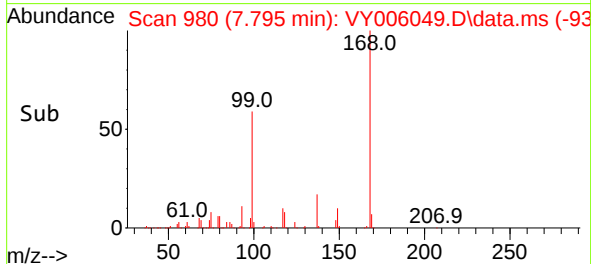
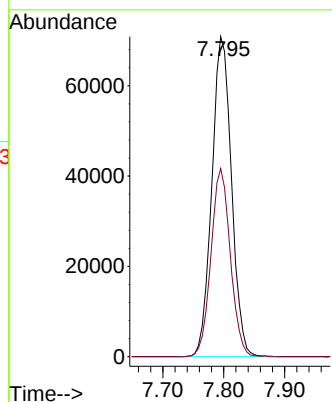
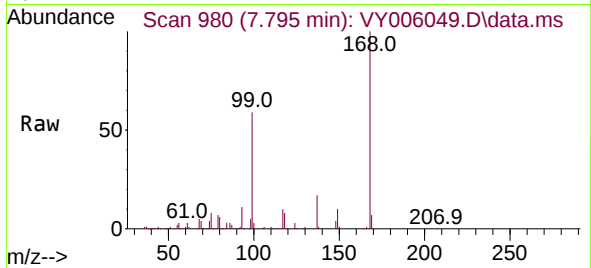




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

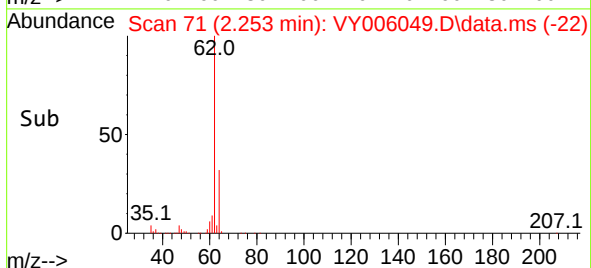
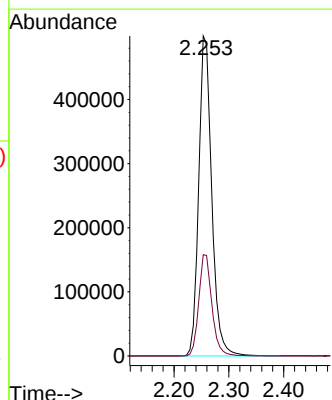
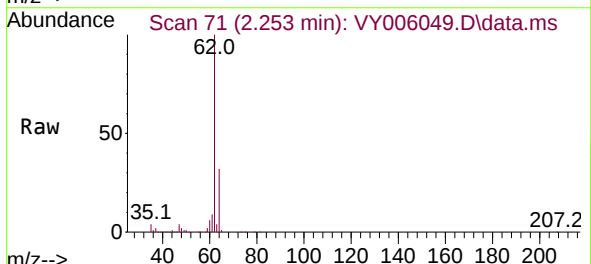
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

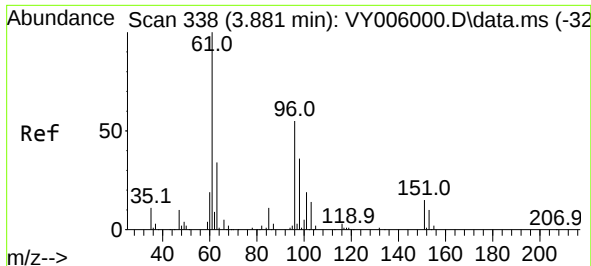
Tgt Ion:168 Resp: 158891
Ion Ratio Lower Upper
168 100
99 58.8 46.9 70.3



#4
Vinyl Chloride
Concen: 350.767 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

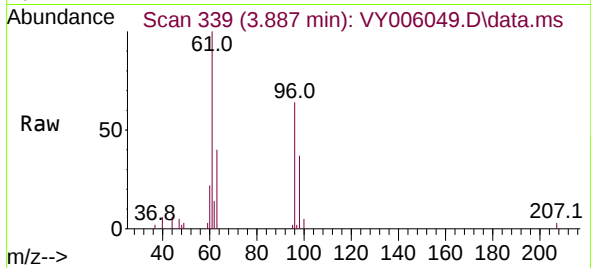
Tgt Ion: 62 Resp: 826639
Ion Ratio Lower Upper
62 100
64 31.7 25.0 37.6



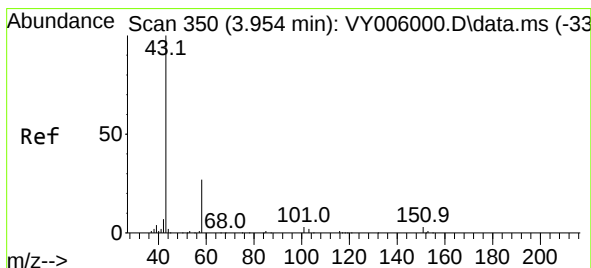
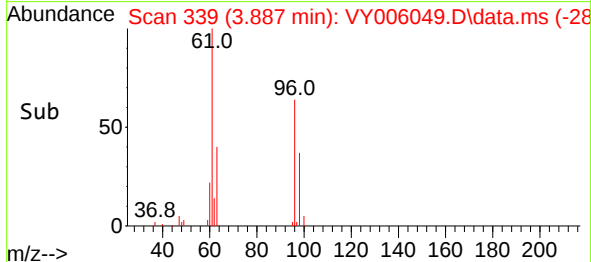
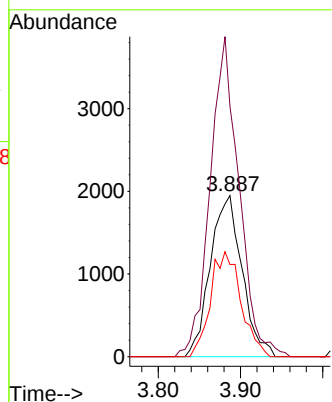


#12
1,1-Dichloroethene
Concen: 3.292 ug/l
RT: 3.887 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

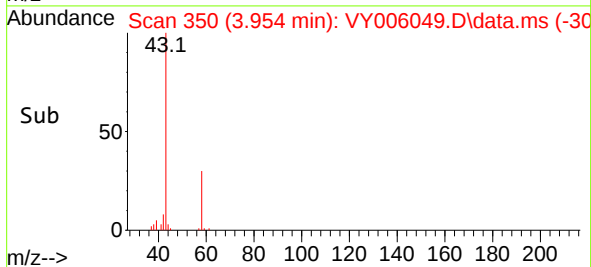
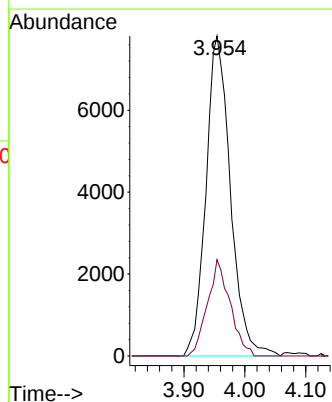
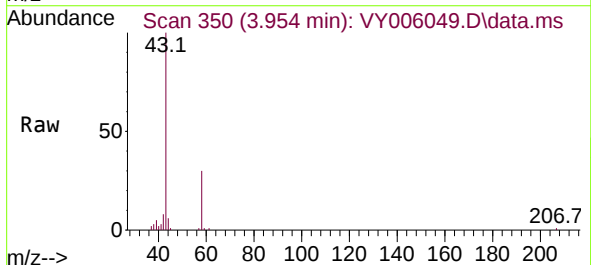


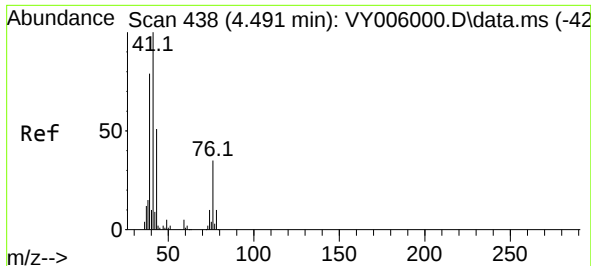
Tgt Ion: 96 Resp: 5223
Ion Ratio Lower Upper
96 100
61 152.2 145.8 218.6
98 57.2 52.5 78.7



#16
Acetone
Concen: 36.022 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion: 43 Resp: 21806
Ion Ratio Lower Upper
43 100
58 30.1 22.0 33.0

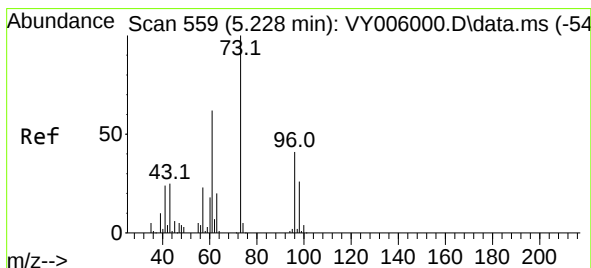
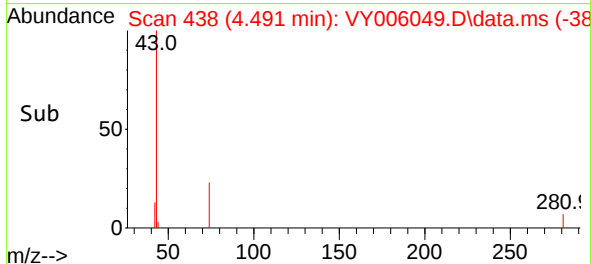
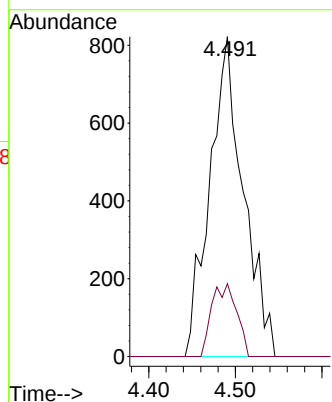
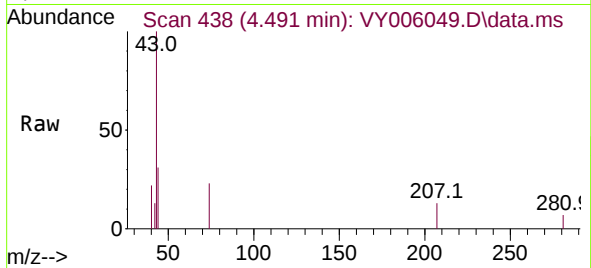




#18
Methyl Acetate
Concen: 1.455 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

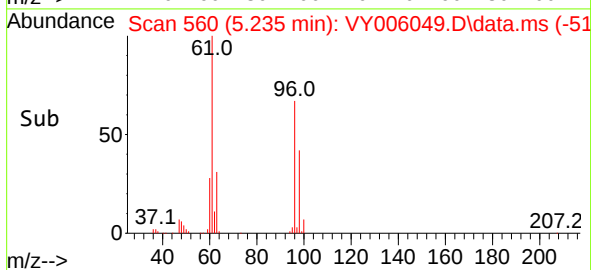
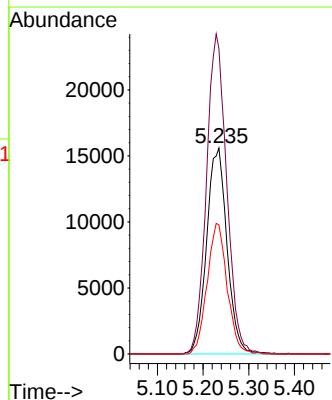
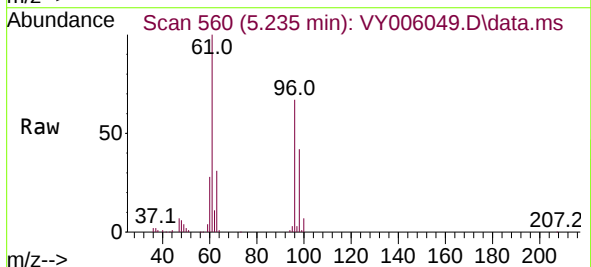
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

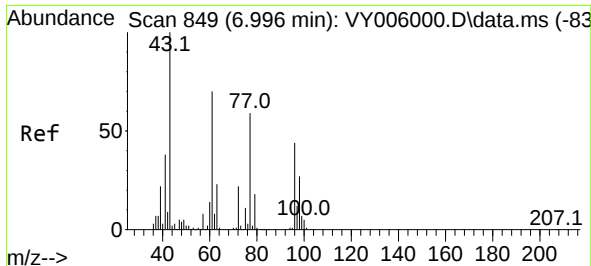
Tgt Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
74 16.9 16.6 24.8



#21
trans-1,2-Dichloroethene
Concen: 27.271 ug/l
RT: 5.235 min Scan# 560
Delta R.T. 0.006 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion: 96 Resp: 48515
Ion Ratio Lower Upper
96 100
61 148.2 120.5 180.7
98 62.7 49.8 74.8

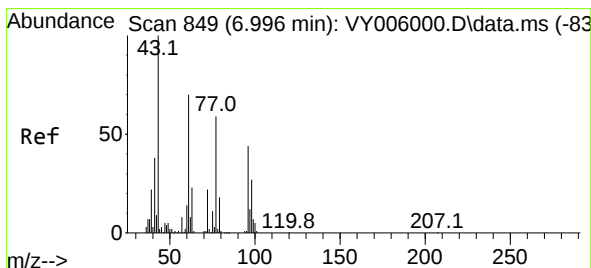
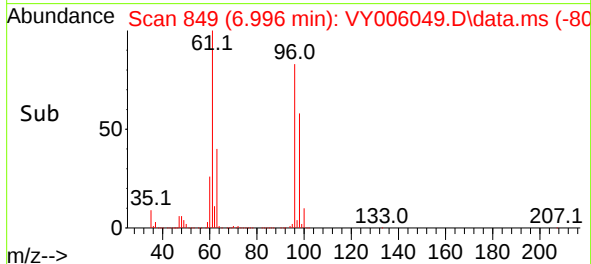
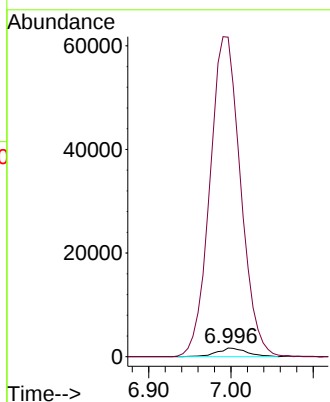
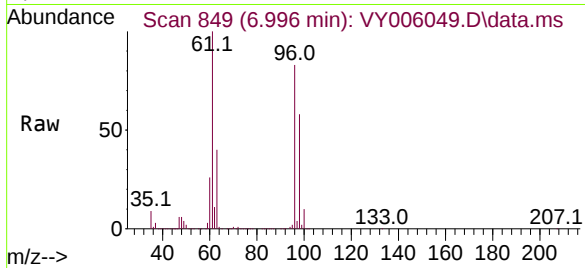




#25
2-Butanone
Concen: 5.024 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

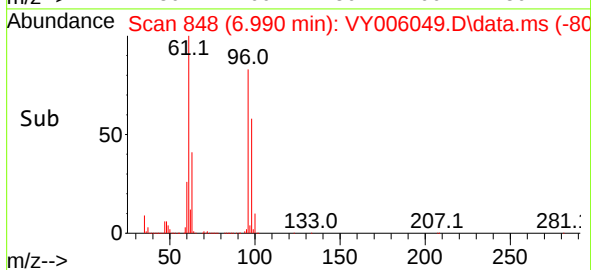
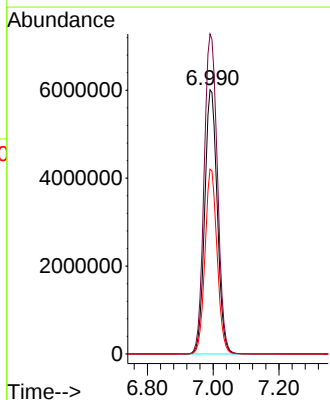
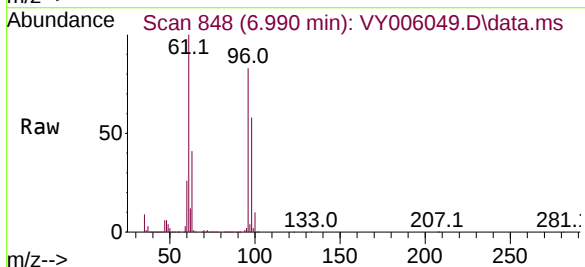
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

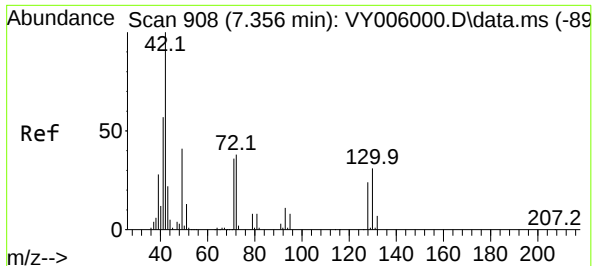
Tgt Ion: 43 Resp: 4192
Ion Ratio Lower Upper
43 100
72 3714.6 17.7 26.5#



#27
cis-1,2-Dichloroethene
Concen: 8021.179 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion: 96 Resp:15919722
Ion Ratio Lower Upper
96 100
61 128.4 0.0 319.8
98 67.5 0.0 127.0





#29

Tetrahydrofuran

Concen: 1.468 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY006049.D

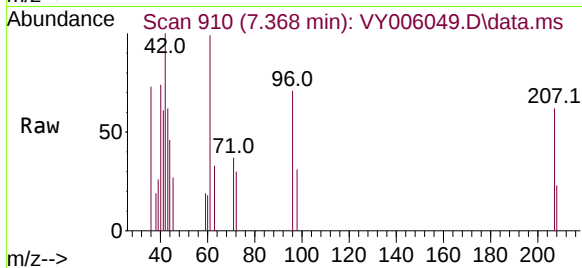
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Instrument :

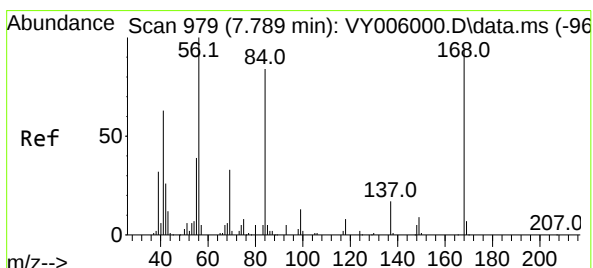
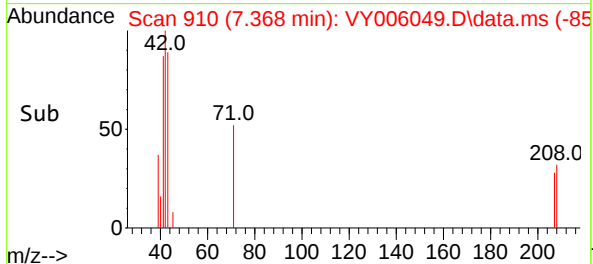
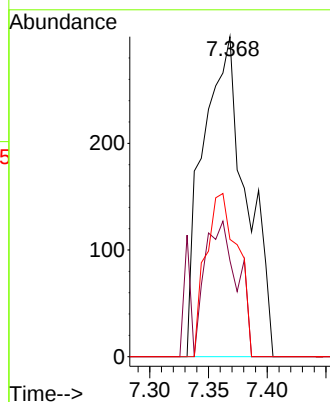
MSVOA_Y

ClientSampleId :

NAPL-AREA-03-(8-10)



Tgt Ion:	42	Resp:	770
Ion	Ratio	Lower	Upper
42	100		
72	31.4	30.3	45.5
71	37.8	29.0	43.4



#31

Cyclohexane

Concen: 1.155 ug/l

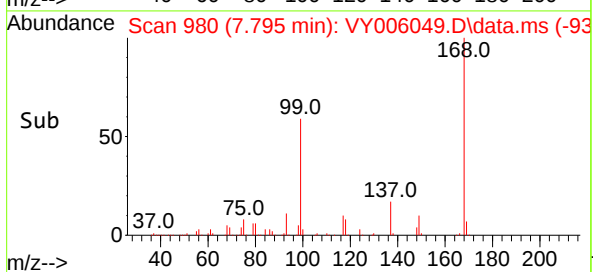
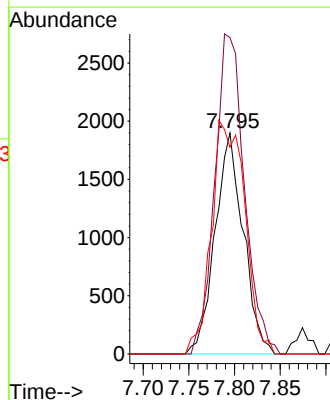
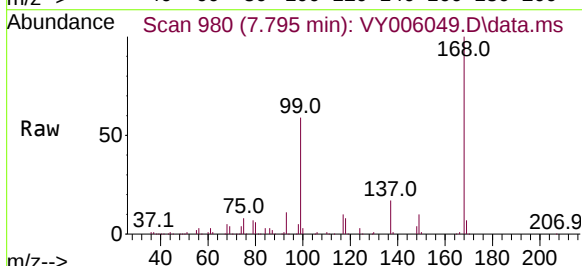
RT: 7.795 min Scan# 980

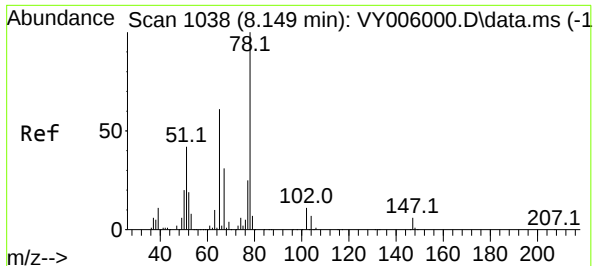
Delta R.T. 0.006 min

Lab File: VY006049.D

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Tgt Ion:	56	Resp:	4084
Ion	Ratio	Lower	Upper
56	100		
69	143.3	26.7	40.1#
84	93.6	67.2	100.8

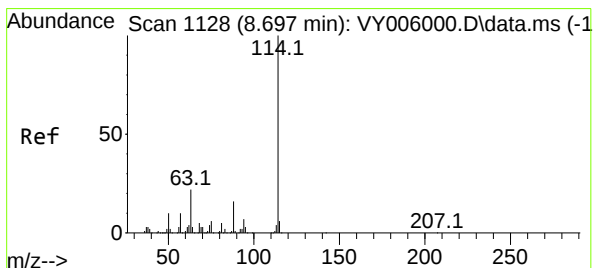
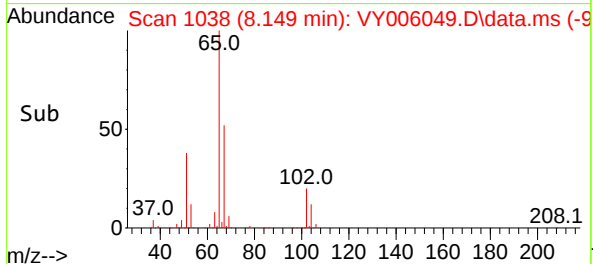
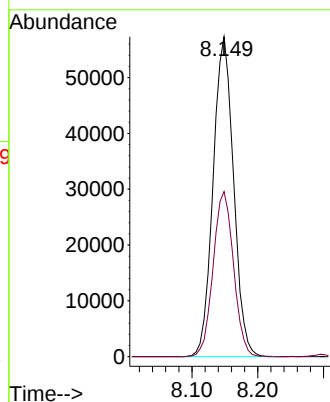
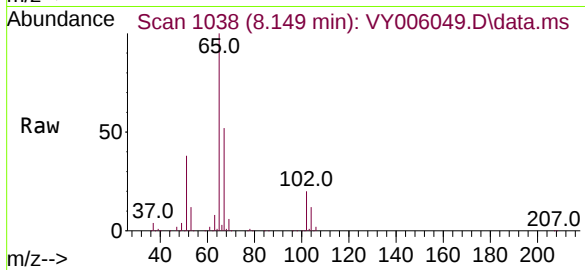




#33
1,2-Dichloroethane-d4
Concen: 56.242 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

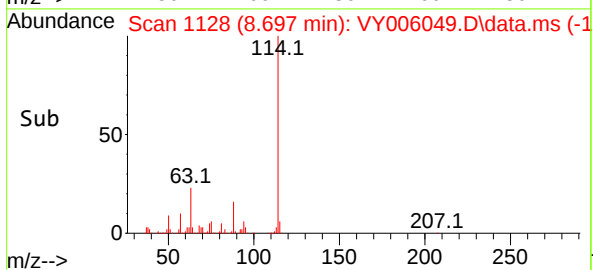
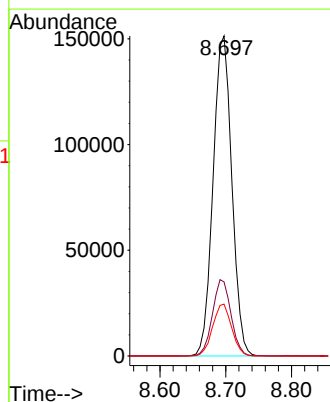
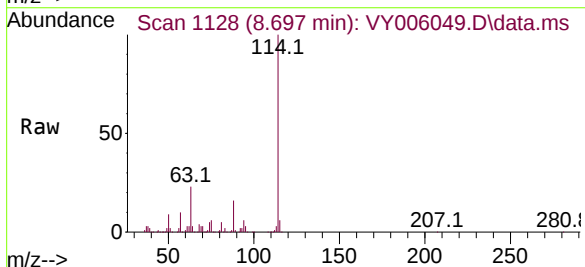
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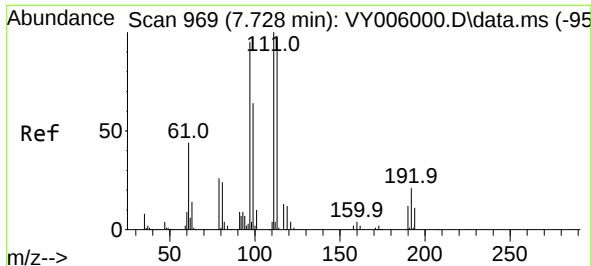
Tgt Ion: 65 Resp: 124132
Ion Ratio Lower Upper
65 100
67 51.4 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion: 114 Resp: 300256
Ion Ratio Lower Upper
114 100
63 23.1 0.0 43.2
88 16.2 0.0 31.8

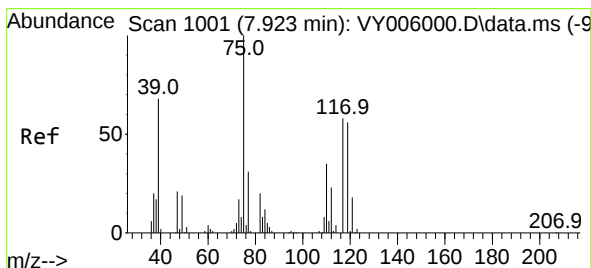
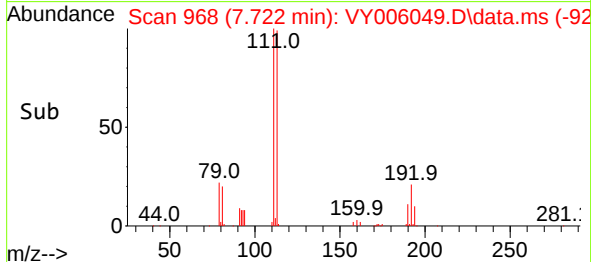
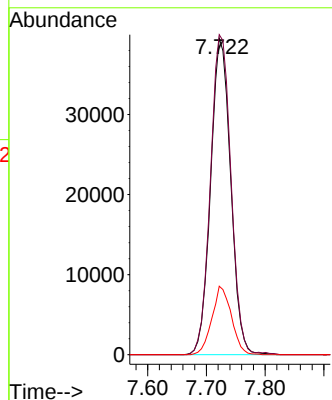
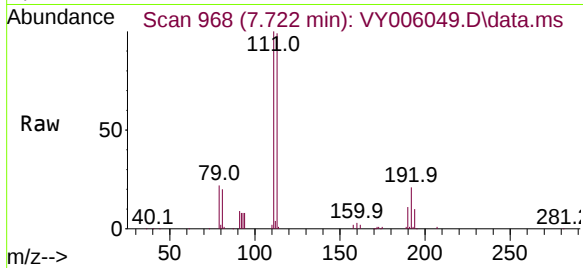




#35
Dibromofluoromethane
Concen: 50.116 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

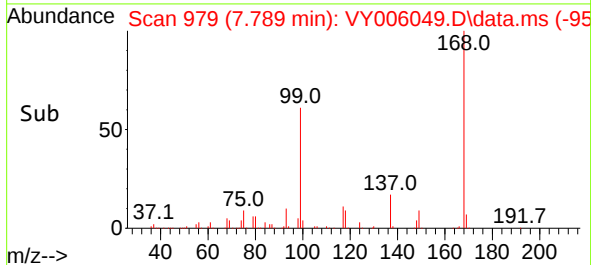
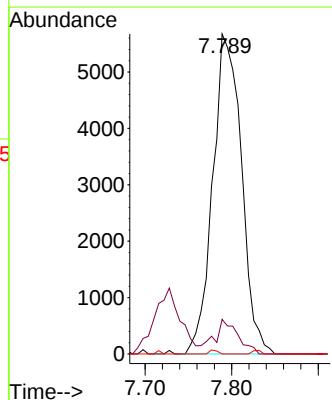
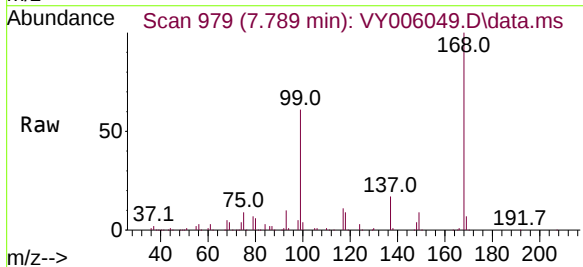
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

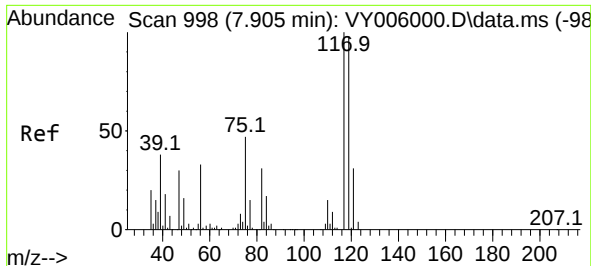
Tgt Ion:	113	Resp:	93463
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	124.0
192	21.1	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.022 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

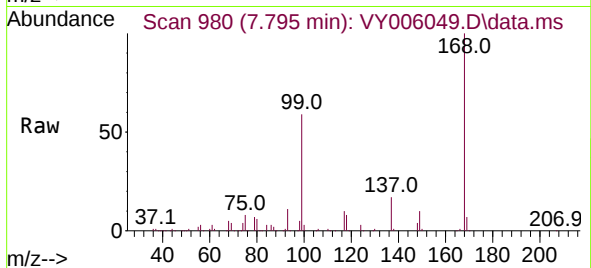
Tgt Ion:	75	Resp:	13036
Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.1	51.2#
77	0.3	24.4	36.6#



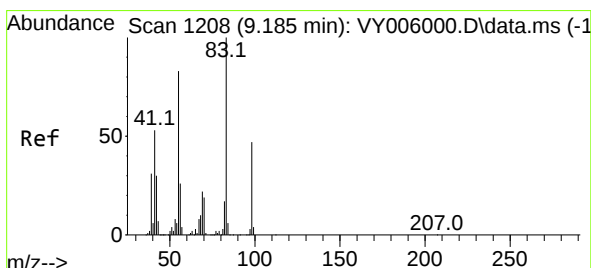
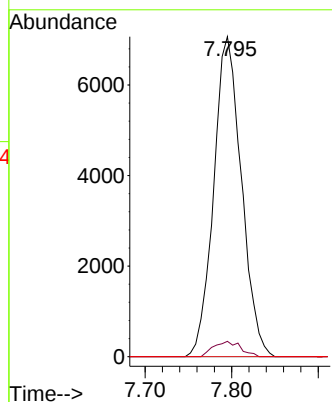
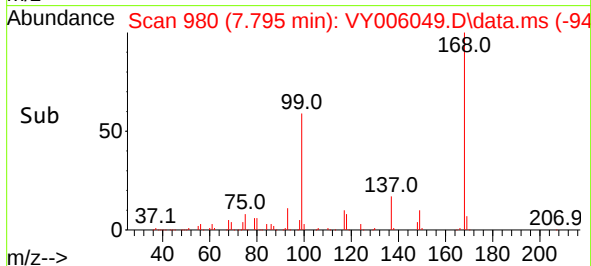


#38
Carbon Tetrachloride
Concen: 4.449 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

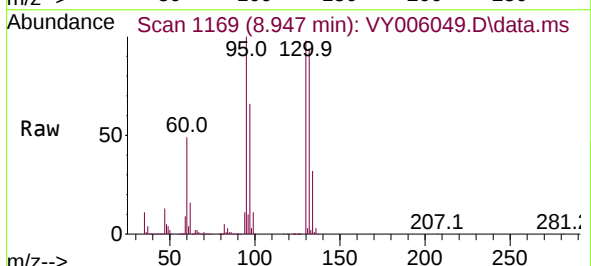
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)



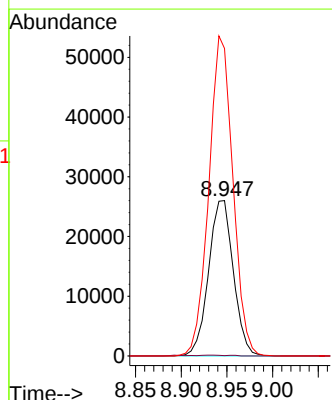
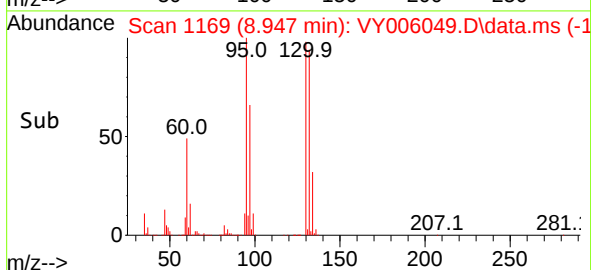
Tgt Ion: 117 Resp: 15697
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#

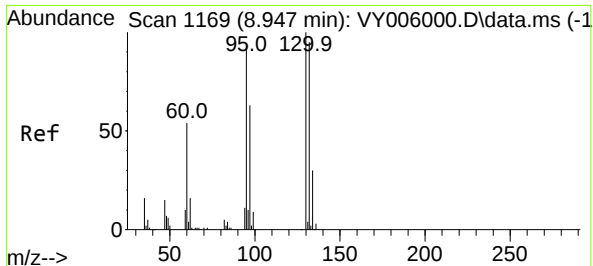


#39
Methylcyclohexane
Concen: 12.221 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. -0.238 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43



Tgt Ion: 83 Resp: 49087
Ion Ratio Lower Upper
83 100
55 0.3 66.5 99.7#
98 197.8 37.9 56.9#

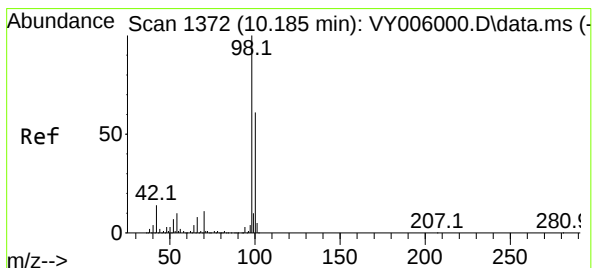
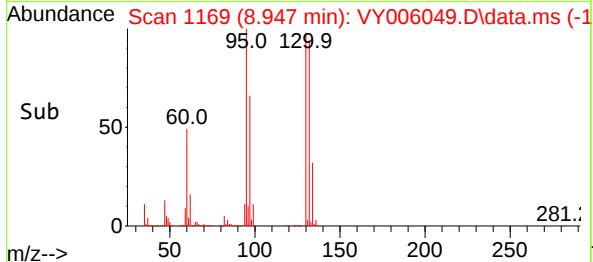
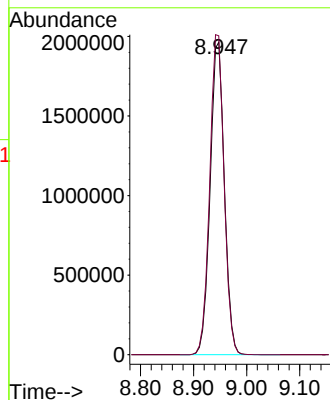
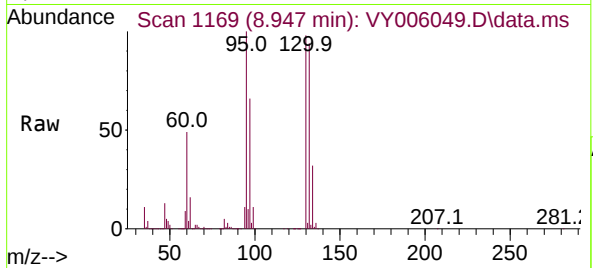




#44
Trichloroethene
Concen: 1579.630 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

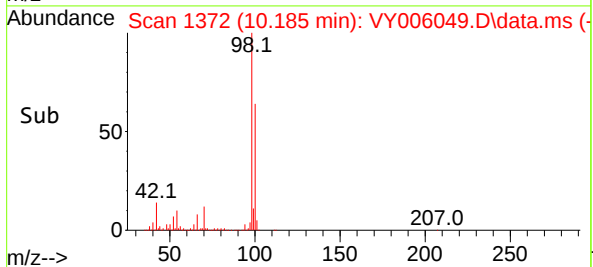
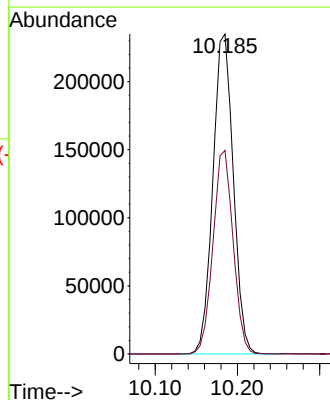
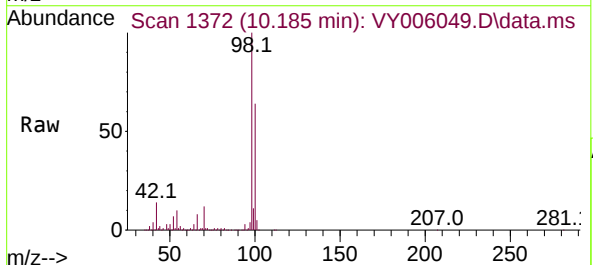
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

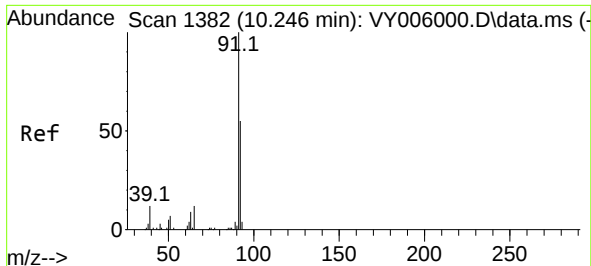
Tgt Ion:130 Resp: 3658256
Ion Ratio Lower Upper
130 100
95 102.1 0.0 188.2



#50
Toluene-d8
Concen: 50.920 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion: 98 Resp: 404735
Ion Ratio Lower Upper
98 100
100 62.8 50.2 75.2

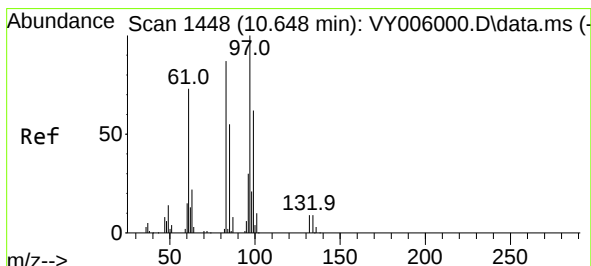
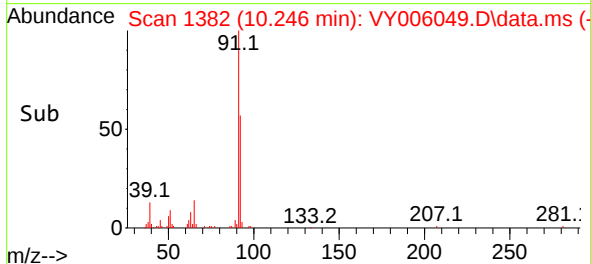
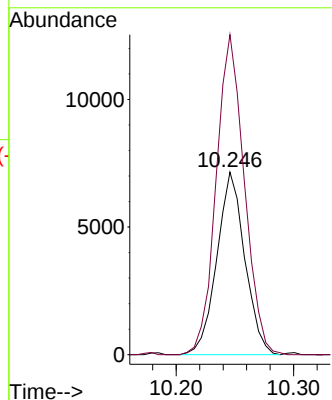
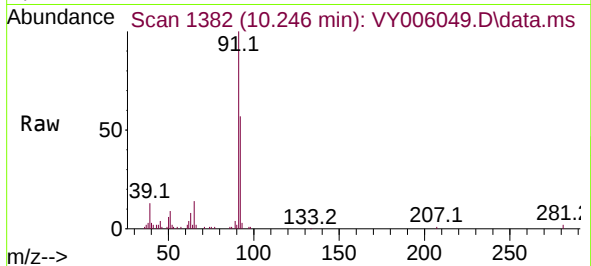




#52
Toluene
Concen: 2.067 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

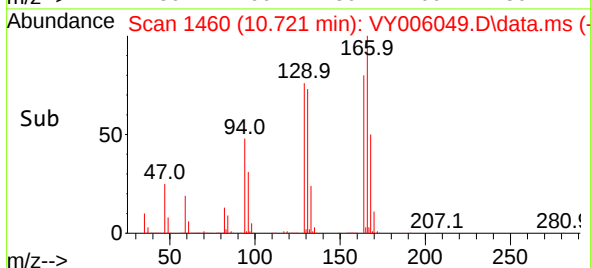
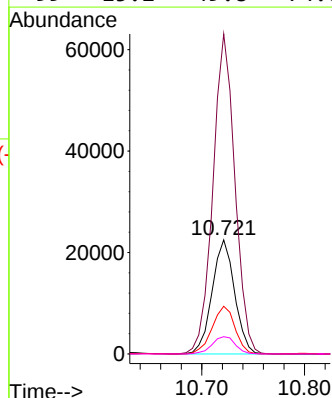
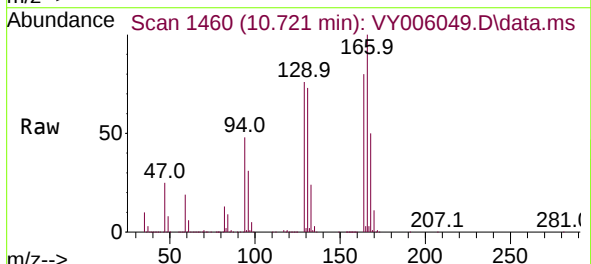
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

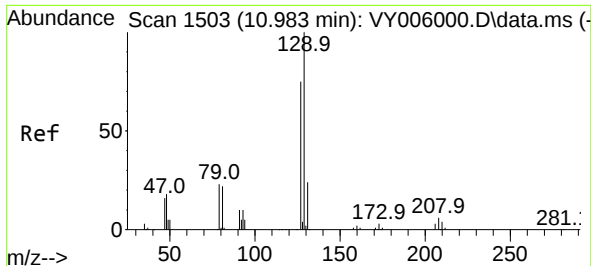
Tgt Ion: 92 Resp: 11835
Ion Ratio Lower Upper
92 100
91 176.4 142.6 213.8



#55
1,1,2-Trichloroethane
Concen: 20.062 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.073 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion: 97 Resp: 34305
Ion Ratio Lower Upper
97 100
83 280.5 69.8 104.8#
85 41.8 44.3 66.5#
99 15.2 49.8 74.6#

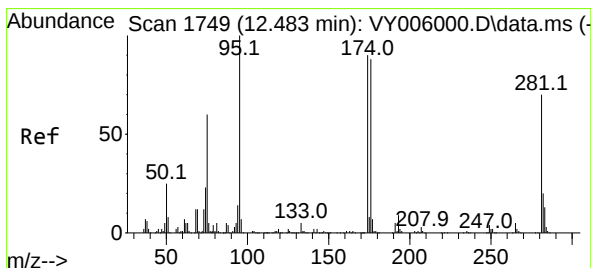
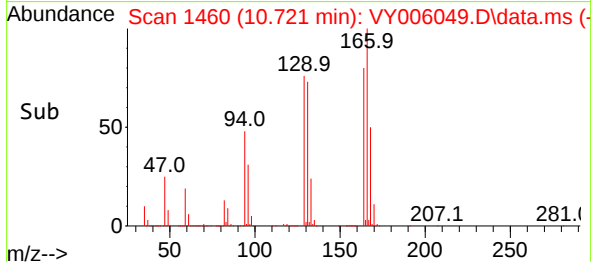
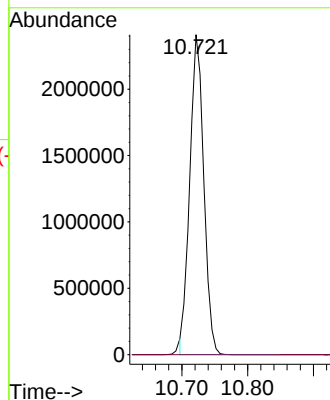
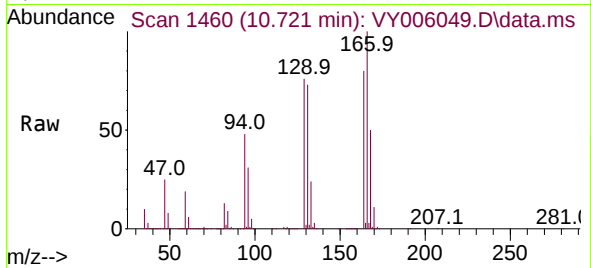




#60
Dibromochloromethane
Concen: 1679.201 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

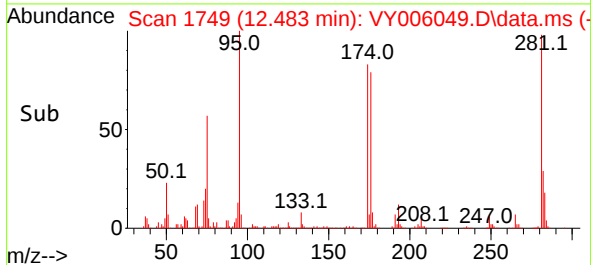
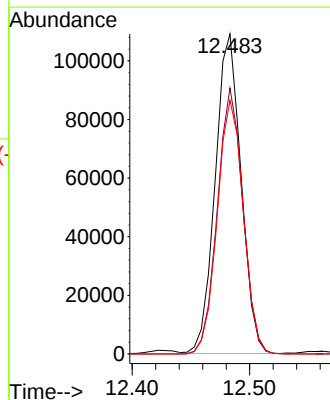
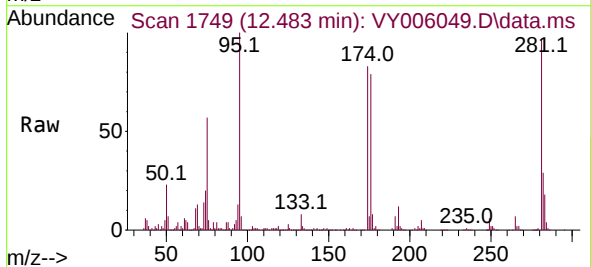
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

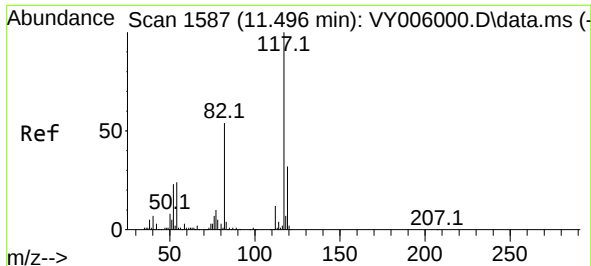
Tgt Ion:129 Resp: 3540097
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 61.711 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion: 95 Resp: 166535
Ion Ratio Lower Upper
95 100
174 82.2 0.0 177.0
176 79.9 0.0 175.8

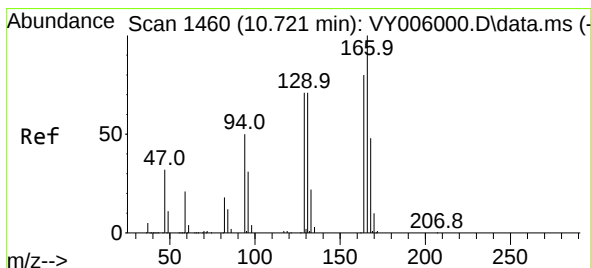
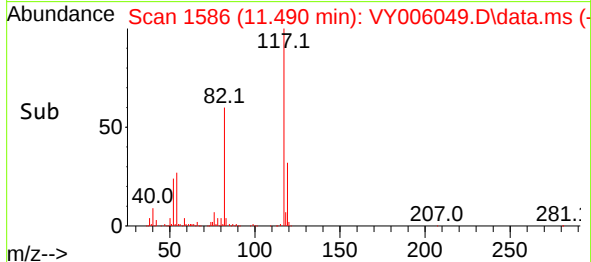
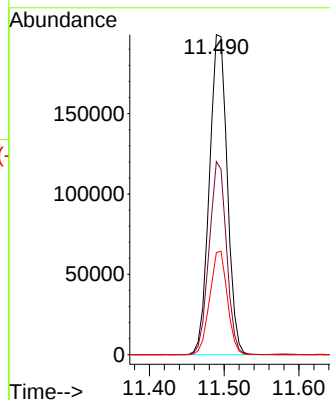
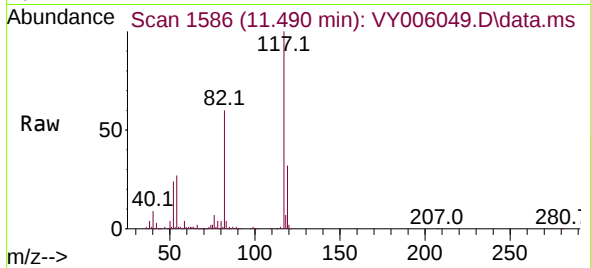




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

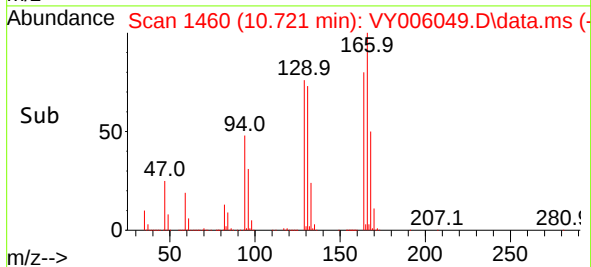
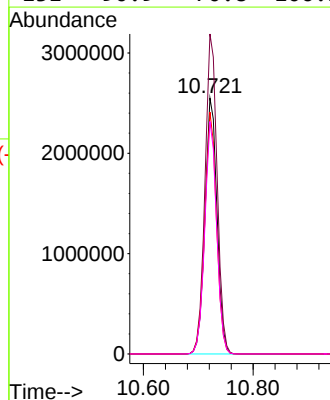
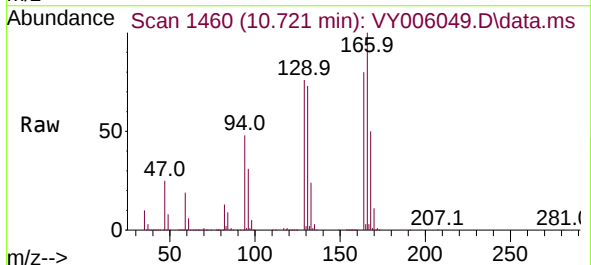
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

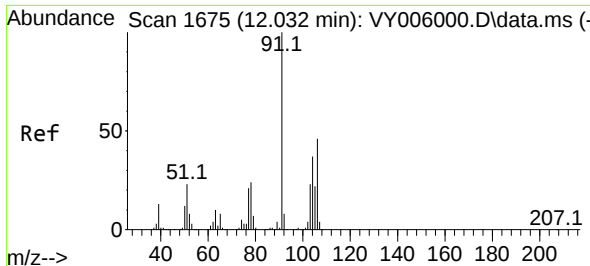
Tgt Ion:117 Resp: 330726
Ion Ratio Lower Upper
117 100
82 60.3 43.0 64.4
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 1434.484 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion:164 Resp: 3880323
Ion Ratio Lower Upper
164 100
166 125.1 100.4 150.6
129 94.5 71.4 107.0
131 90.9 70.8 106.2

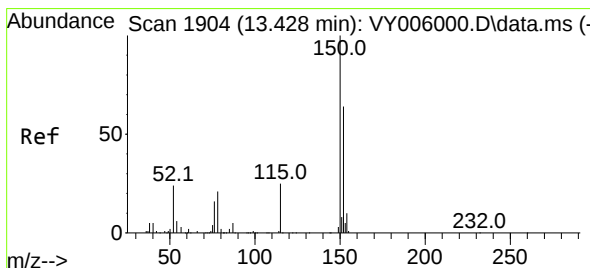
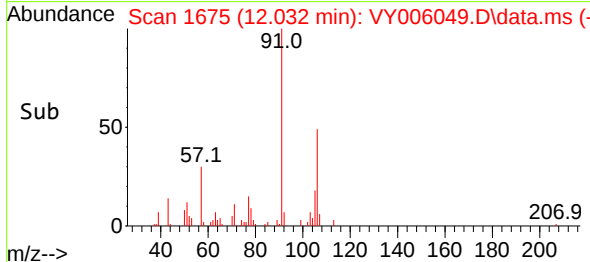
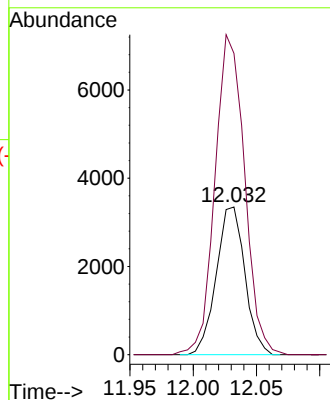
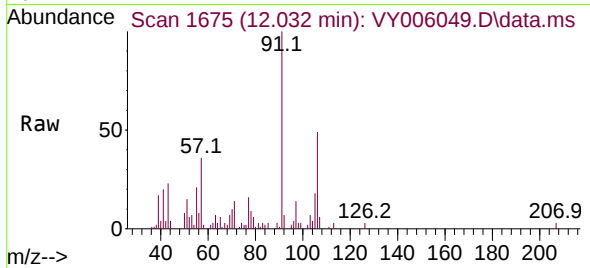




#69
o-Xylene
Concen: 1.092 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

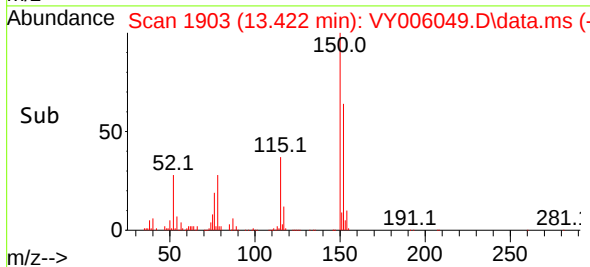
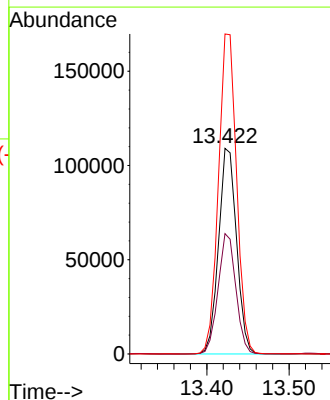
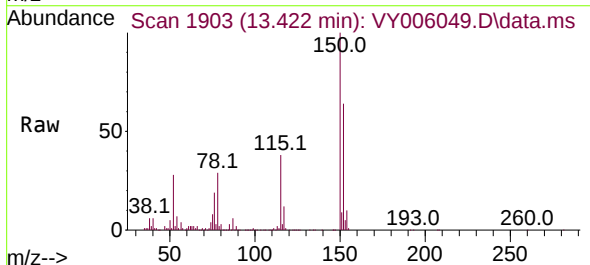
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

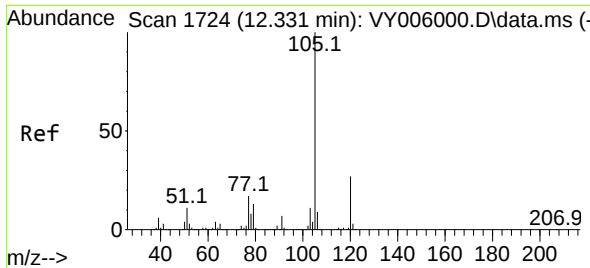
Tgt Ion:106 Resp: 5261
Ion Ratio Lower Upper
106 100
91 224.1 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

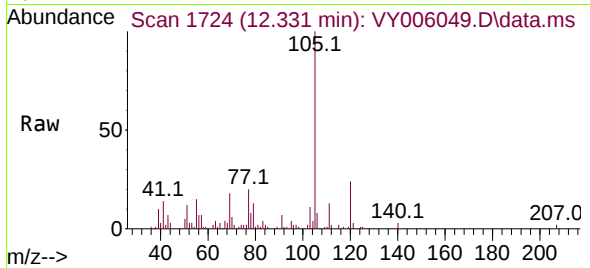
Tgt Ion:152 Resp: 165825
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 157.0 0.0 347.6



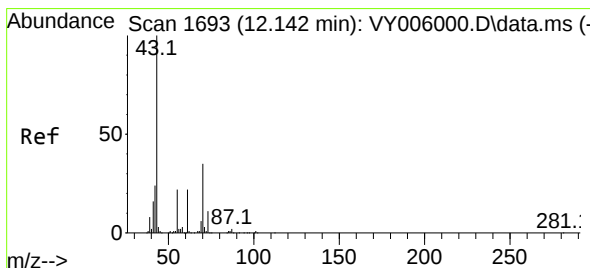
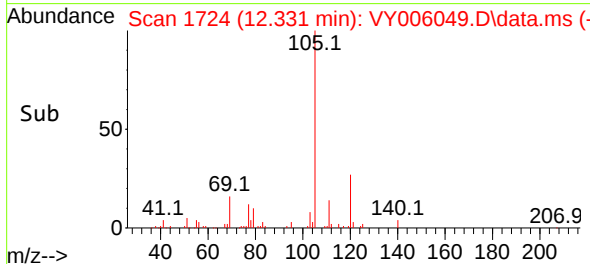
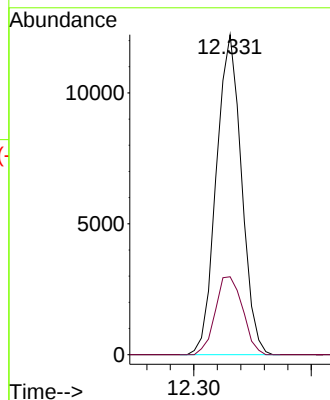


#73
Isopropylbenzene
Concen: 1.404 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

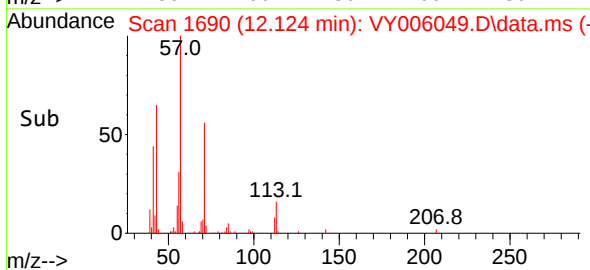
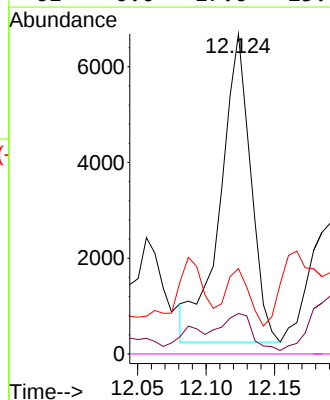
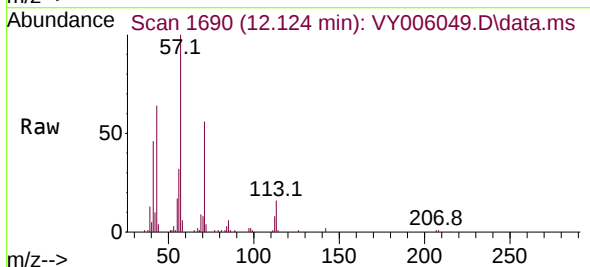


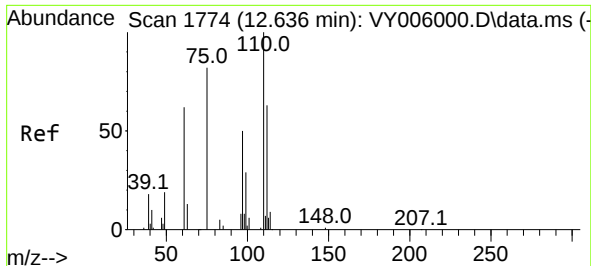
Tgt Ion:105 Resp: 18231
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.2



#74
N-ethyl acetate
Concen: 2.220 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion: 43 Resp: 9954
Ion Ratio Lower Upper
43 100
70 12.8 28.7 43.1#
55 14.1 17.3 25.9#
61 0.0 17.0 25.6#

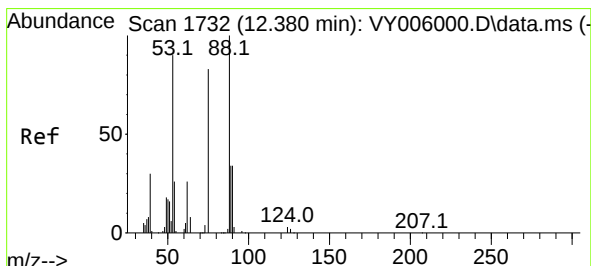
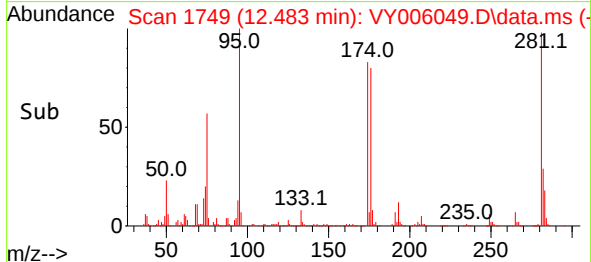
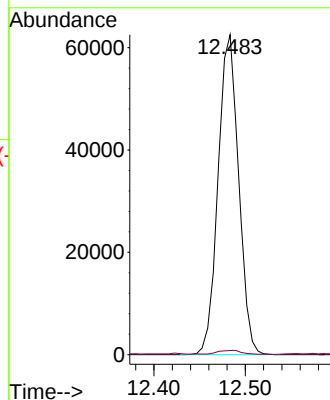
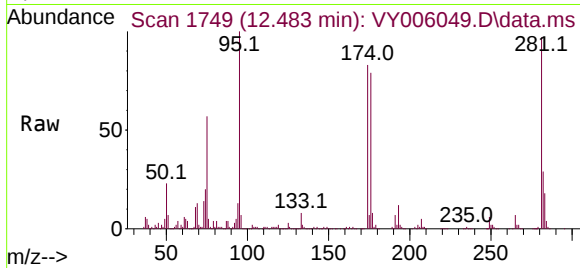




#76
1,2,3-Trichloropropane
Concen: 55.288 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

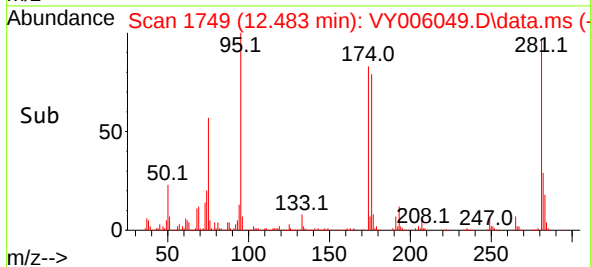
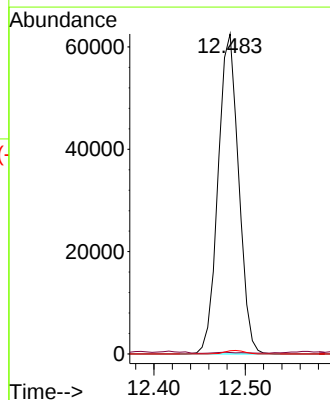
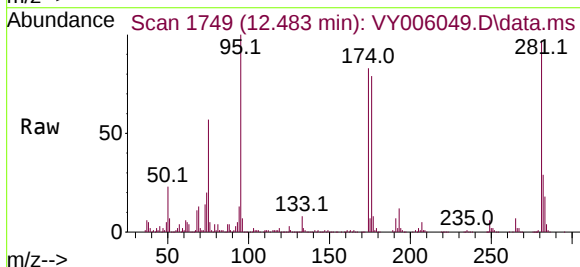
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

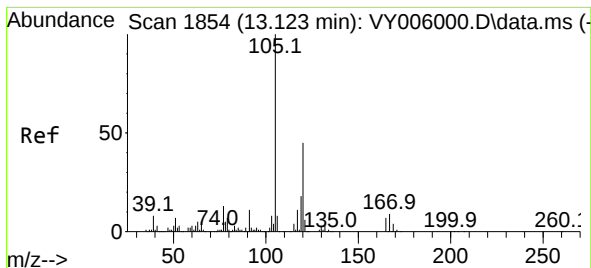
Tgt Ion: 75 Resp: 97749
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.647 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion: 75 Resp: 97749
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 1.0 37.0 55.4#

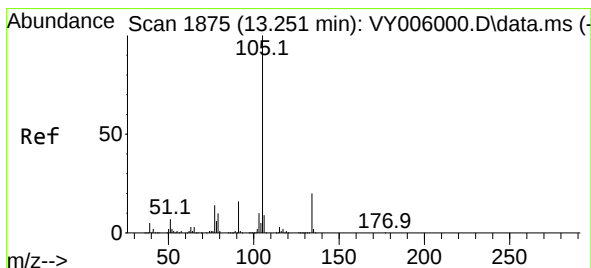
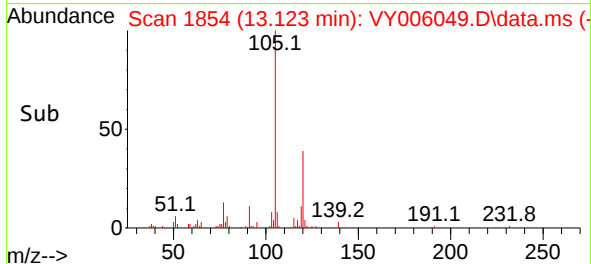
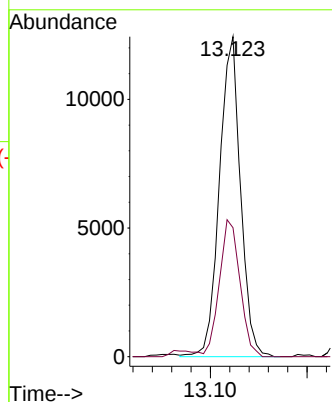
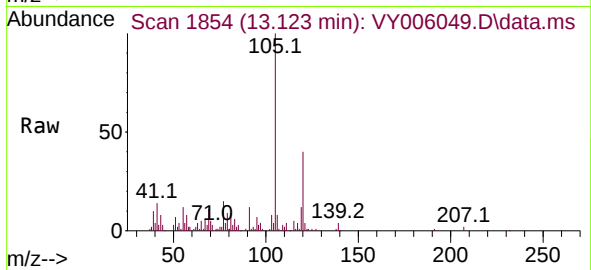




#84
1,2,4-Trimethylbenzene
Concen: 1.755 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-03-(8-10)

Tgt Ion:105 Resp: 18754
Ion Ratio Lower Upper
105 100
120 42.3 22.3 66.9



#85
sec-Butylbenzene
Concen: 1.215 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY006049.D
Acq: 16 Sep 2021 15:43

Tgt Ion:105 Resp: 16752
Ion Ratio Lower Upper
105 100
134 32.6 10.2 30.4#

