

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091621\
 Data File : VY006055.D
 Acq On : 16 Sep 2021 18:01
 Operator : SY/MD
 Sample : M3750-04
 Misc : 6.25G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NAPL-AREA-04-(25-27)

Quant Time: Sep 17 02:46:44 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

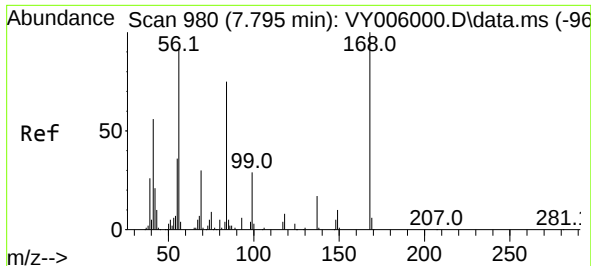
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	144267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	268424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	287212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	105246	52.519	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.040%
35) Dibromofluoromethane	7.722	113	81999	49.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.360%
50) Toluene-d8	10.185	98	354202	49.847	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.700%
62) 4-Bromofluorobenzene	12.483	95	140528	58.249	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	116.500%
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.253	62	21804	10.190	ug/l	99
11) Tert butyl alcohol	4.960	59	939	Below Cal	#	84
16) Acetone	3.954	43	10301	18.741	ug/l	100
18) Methyl Acetate	4.491	43	2138	1.544	ug/l #	91
20) Methylene Chloride	4.728	84	10263	1.473	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	2475	1.532	ug/l #	79
25) 2-Butanone	6.996	43	1864	2.461	ug/l #	1
27) cis-1,2-Dichloroethene	6.996	96	478413	265.484	ug/l	89
31) Cyclohexane	7.795	56	3449	1.074	ug/l #	6
36) 1,1-Dichloropropene	7.795	75	11597	4.003	ug/l #	51
38) Carbon Tetrachloride	7.795	117	14739	4.673	ug/l #	15
44) Trichloroethene	8.941	130	201805	97.473	ug/l	93
55) 1,1,2-Trichloroethane	10.715	97	3594	2.351	ug/l #	14
60) Dibromochloromethane	10.721	129	348325	184.817	ug/l #	11
64) Tetrachloroethene	10.721	164	392511	167.088	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	81097	52.328	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	81097	96.206	ug/l #	8

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

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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

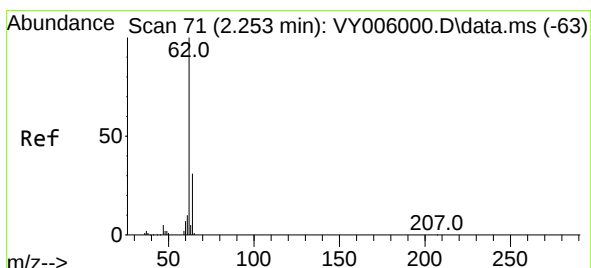
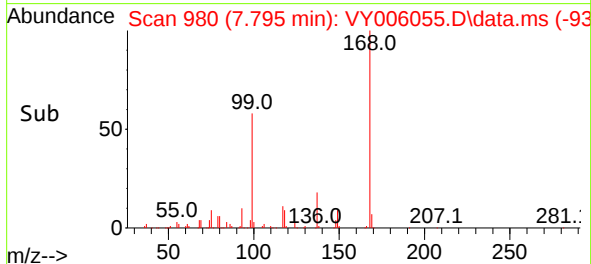
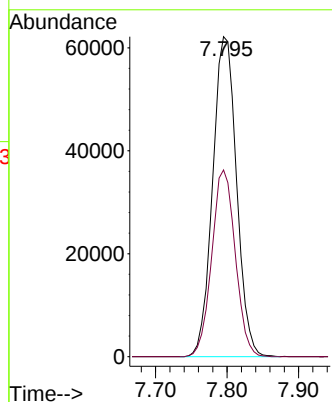
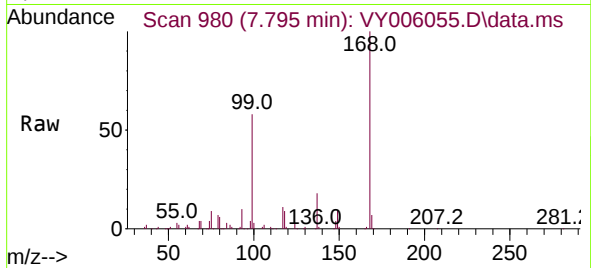




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

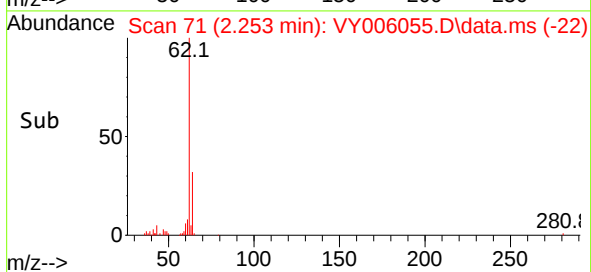
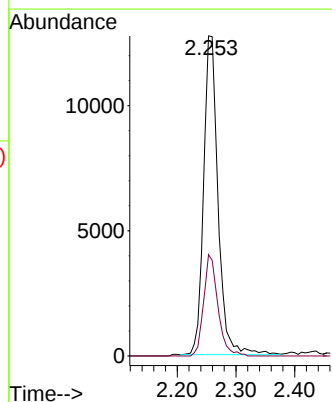
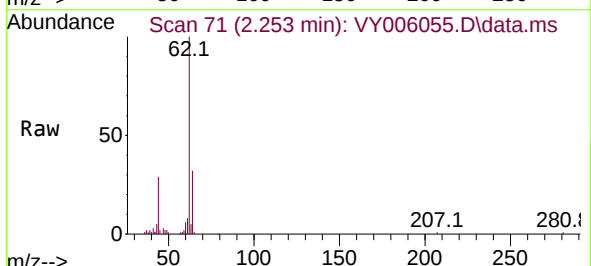
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-04-(25-27)

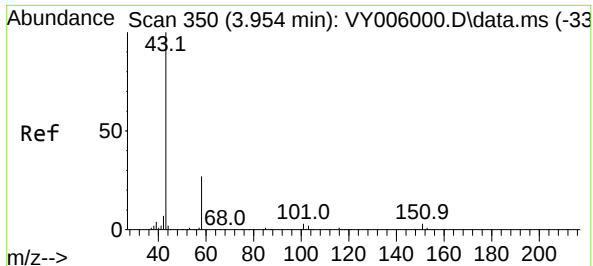
Tgt Ion:168 Resp: 144267
Ion Ratio Lower Upper
168 100
99 58.3 46.9 70.3



#4
Vinyl Chloride
Concen: 10.190 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Tgt Ion: 62 Resp: 21804
Ion Ratio Lower Upper
62 100
64 31.8 25.0 37.6

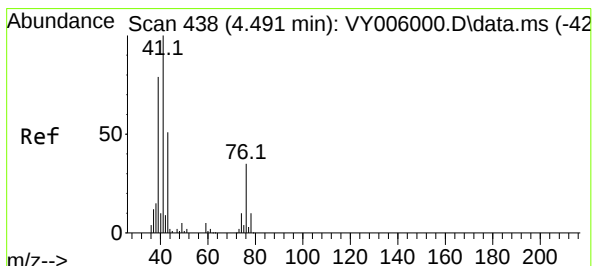
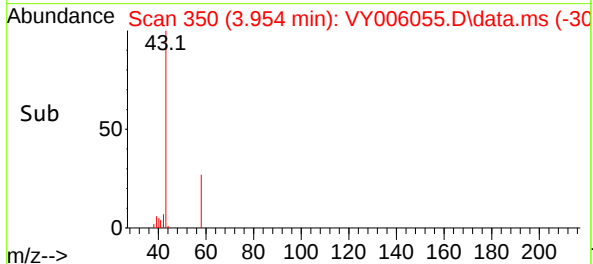
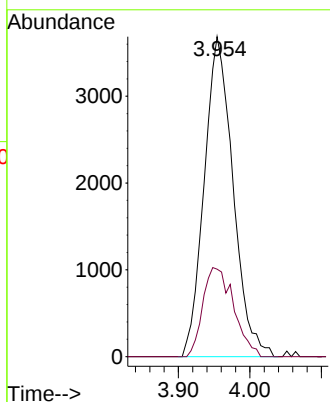
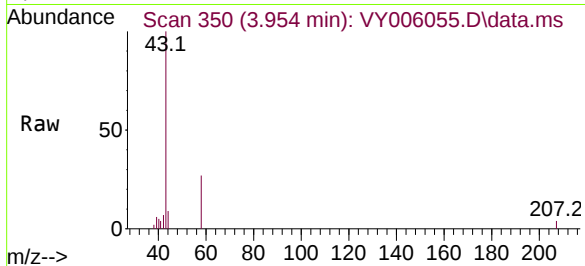




#16
Acetone
Concen: 18.741 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

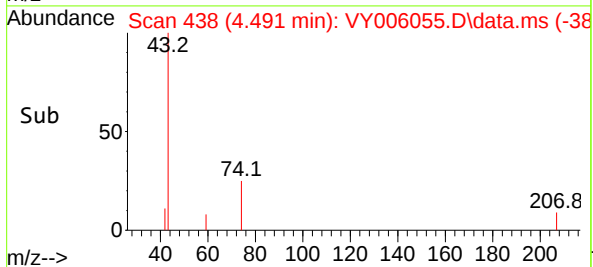
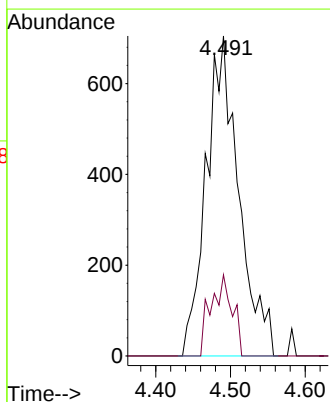
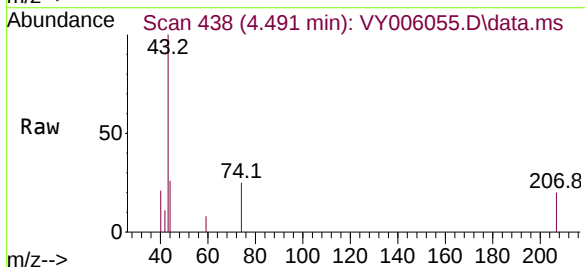
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-04-(25-27)

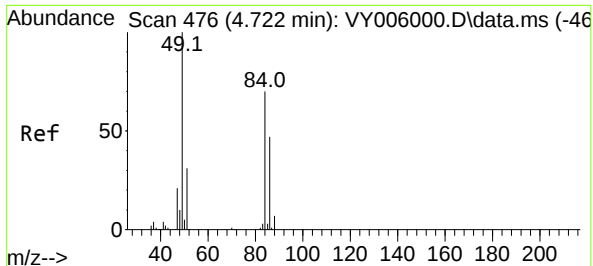
Tgt Ion: 43 Resp: 10301
Ion Ratio Lower Upper
43 100
58 27.3 22.0 33.0



#18
Methyl Acetate
Concen: 1.544 ug/l
RT: 4.491 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

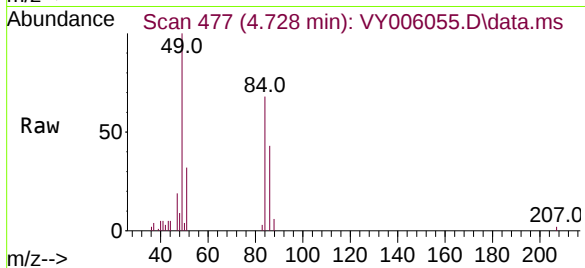
Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
74 16.6 16.6 24.8#



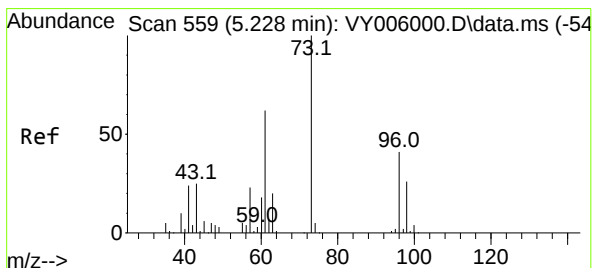
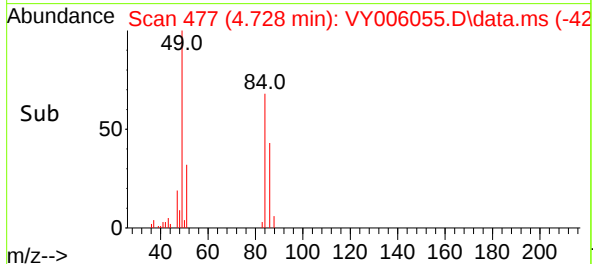
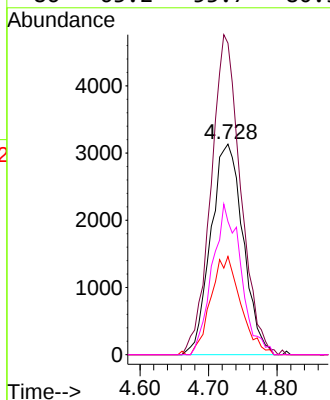


#20
Methylene Chloride
Concen: 1.473 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-04-(25-27)

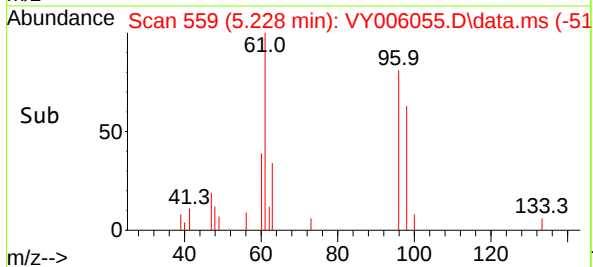
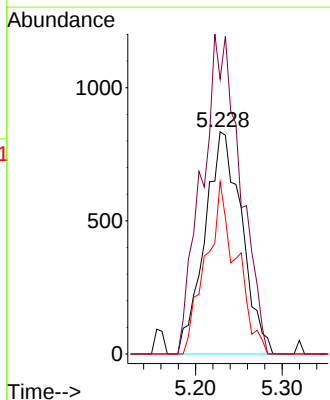
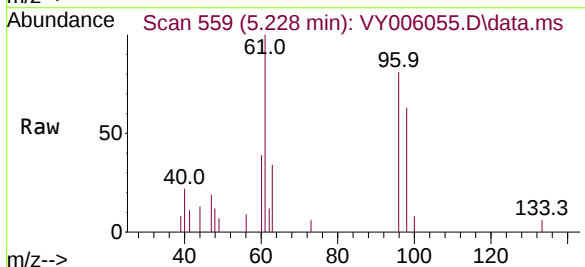


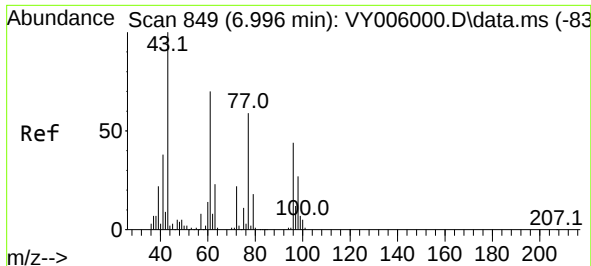
Tgt Ion:	84	Resp:	10263
Ion	Ratio	Lower	Upper
84	100		
49	147.9	114.4	171.6
51	46.7	35.3	52.9
86	63.2	53.7	80.5



#21
trans-1,2-Dichloroethene
Concen: 1.532 ug/l
RT: 5.228 min Scan# 559
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Tgt Ion:	96	Resp:	2475
Ion	Ratio	Lower	Upper
96	100		
61	123.6	120.5	180.7
98	77.5	49.8	74.8#

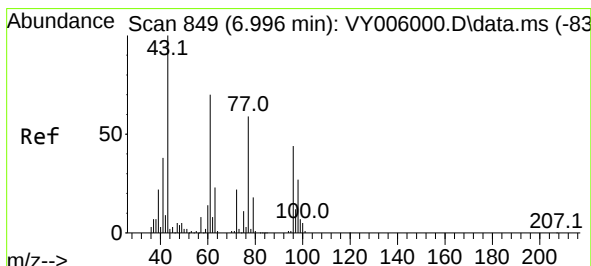
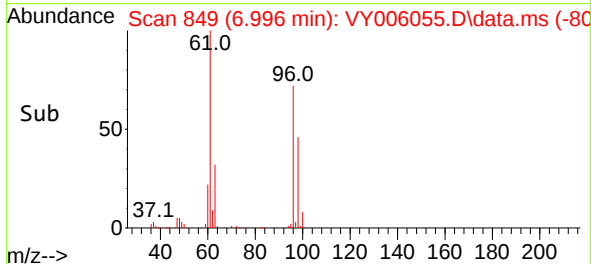
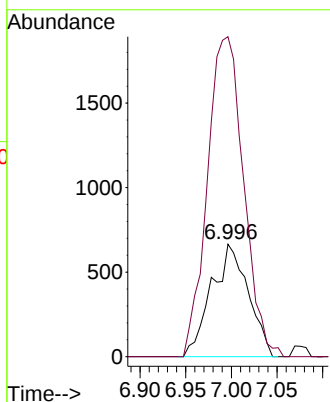
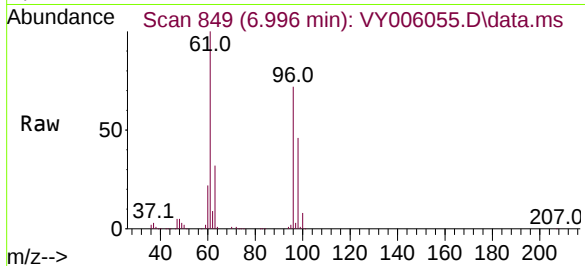




#25
2-Butanone
Concen: 2.461 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

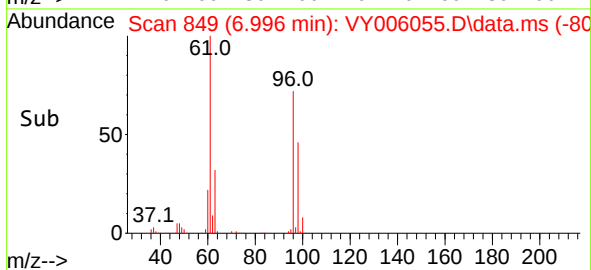
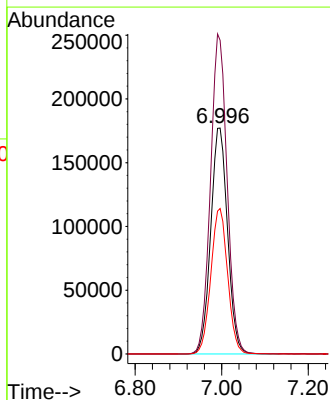
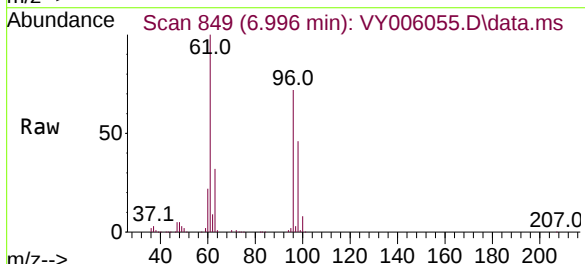
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-04-(25-27)

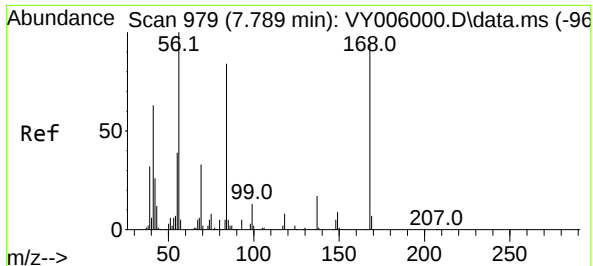
Tgt Ion: 43 Resp: 1864
Ion Ratio Lower Upper
43 100
72 284.7 17.7 26.5#



#27
cis-1,2-Dichloroethene
Concen: 265.484 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Tgt Ion: 96 Resp: 478413
Ion Ratio Lower Upper
96 100
61 140.1 0.0 319.8
98 64.2 0.0 127.0

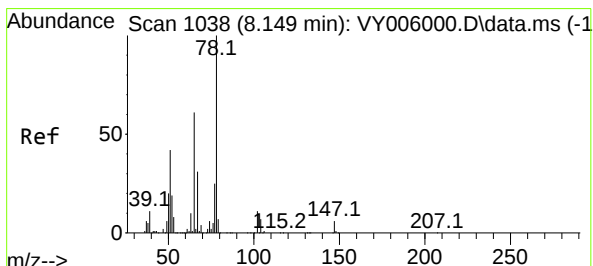
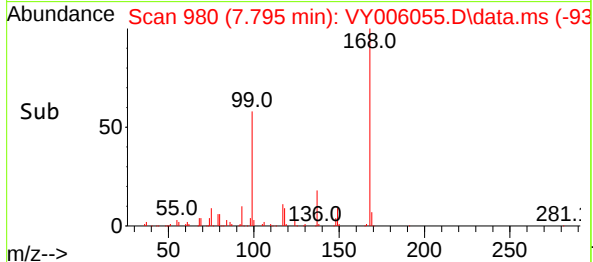
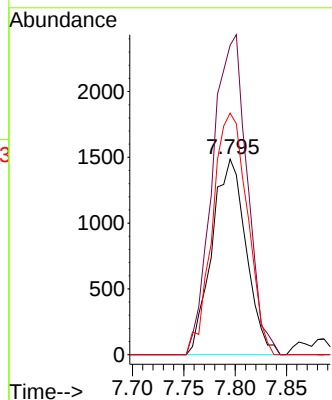
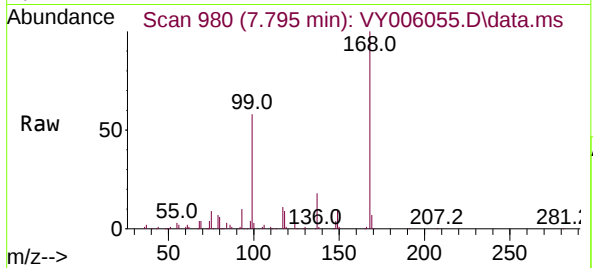




#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

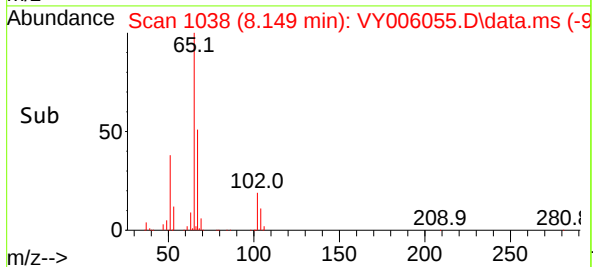
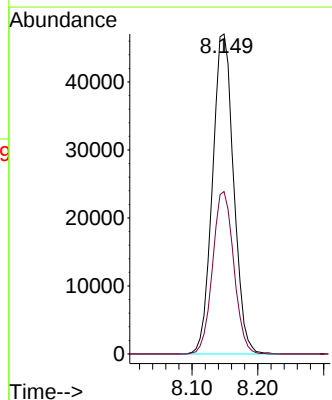
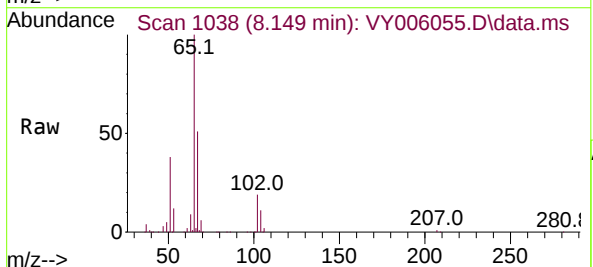
Instrument :
MSVOA_Y
ClientSampleId :
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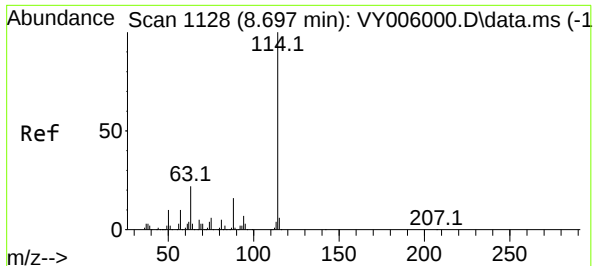
Tgt Ion: 56 Resp: 3449
Ion Ratio Lower Upper
56 100
69 158.3 26.7 40.1#
84 123.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.519 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Tgt Ion: 65 Resp: 105246
Ion Ratio Lower Upper
65 100
67 50.8 0.0 99.4

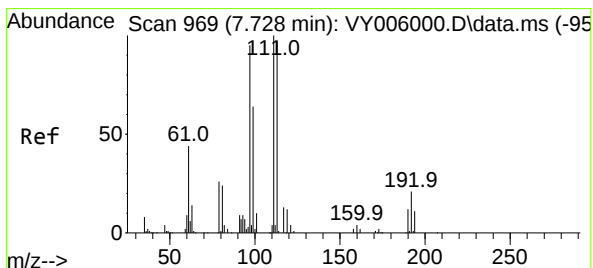
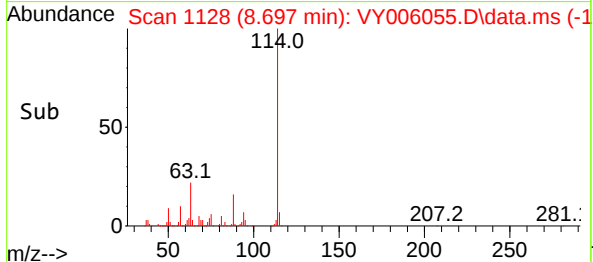
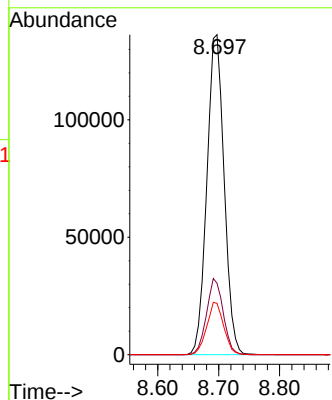
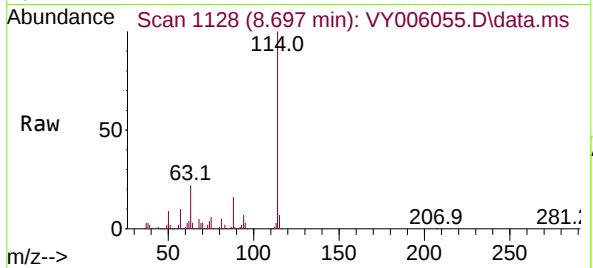




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

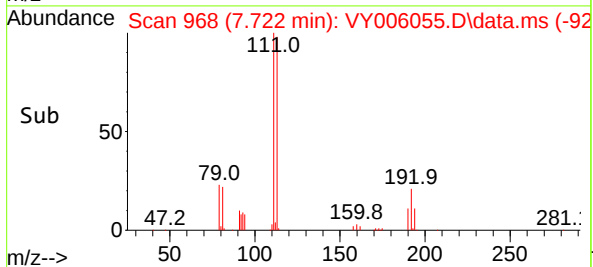
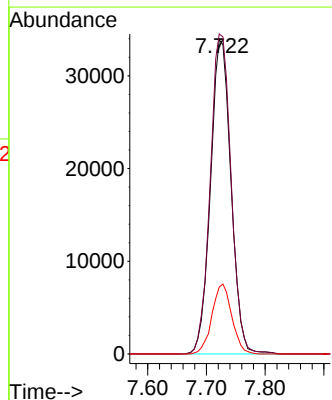
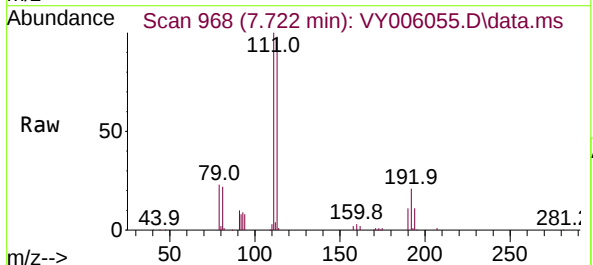
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NAPL-AREA-04-(25-27)

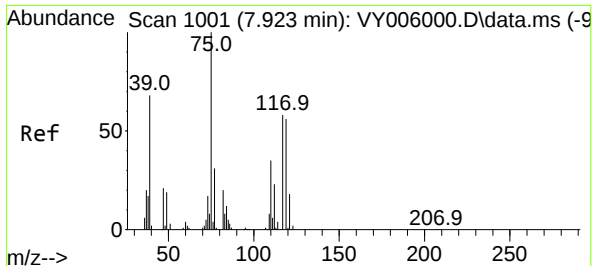
Tgt Ion:114 Resp: 268424
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.2
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.183 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Tgt Ion:113 Resp: 81999
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 21.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.003 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY006055.D

Acq: 16 Sep 2021 18:01

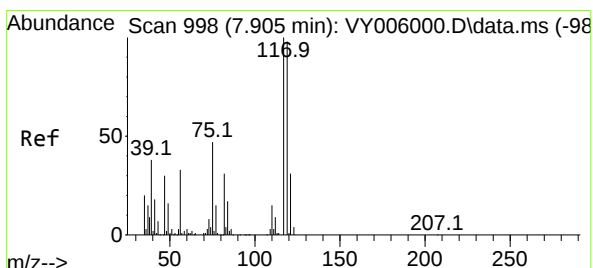
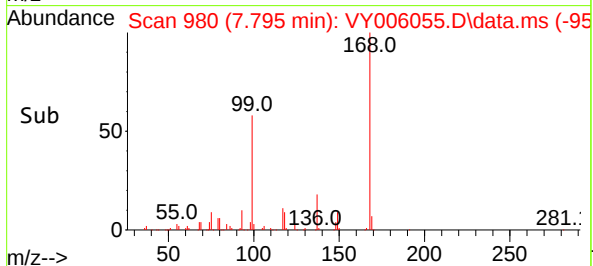
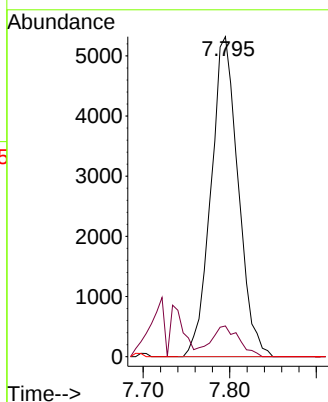
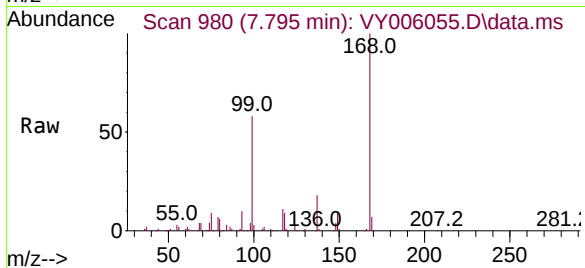
Tgt Ion: 75	Resp: 11597
Ion Ratio	Lower Upper
75 100	
110 9.6	17.1 51.2#
77 0.0	24.4 36.6#

Instrument :

MSVOA_Y

ClientSampleId :

NAPL-AREA-04-(25-27)



#38

Carbon Tetrachloride

Concen: 4.673 ug/l

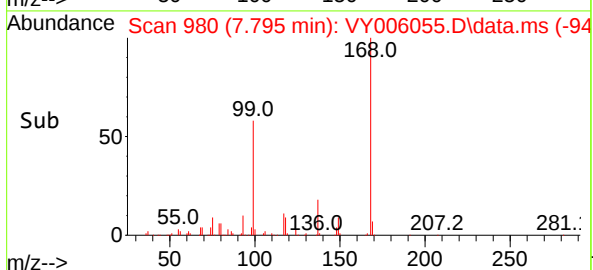
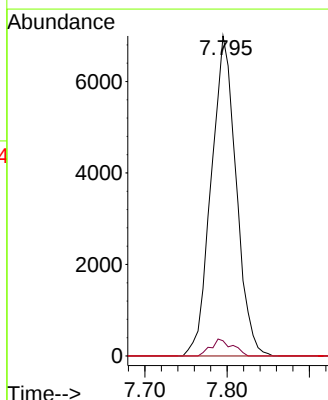
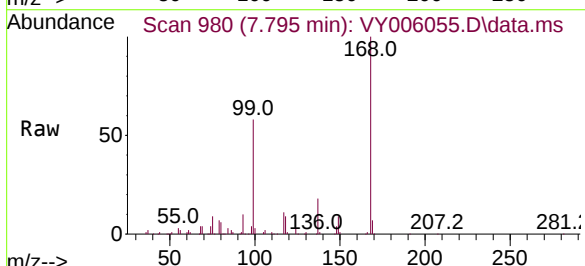
RT: 7.795 min Scan# 980

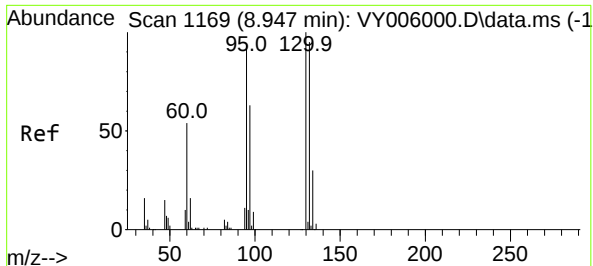
Delta R.T. -0.110 min

Lab File: VY006055.D

Acq: 16 Sep 2021 18:01

Tgt Ion: 117	Resp: 14739
Ion Ratio	Lower Upper
117 100	
119 4.7	77.9 116.9#
121 0.0	24.8 37.2#

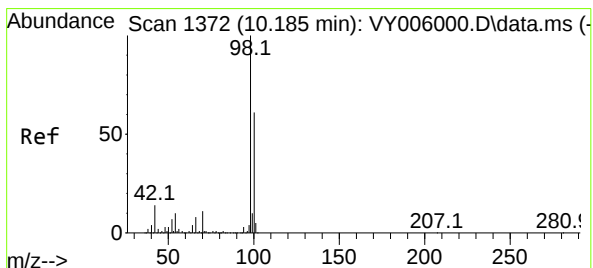
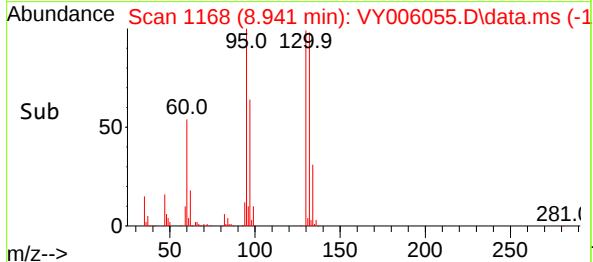
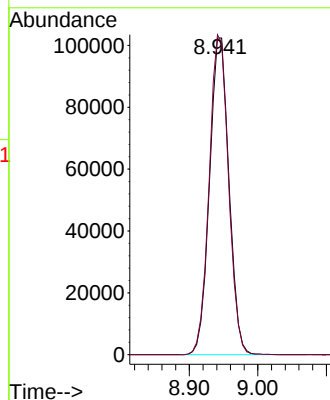
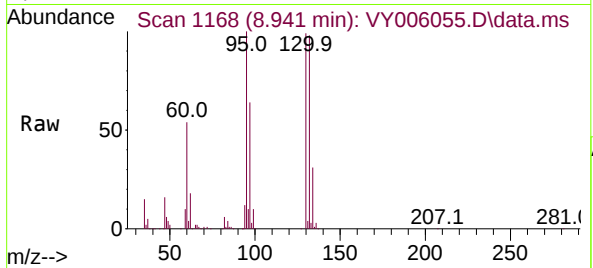




#44
Trichloroethene
Concen: 97.473 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. -0.006 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

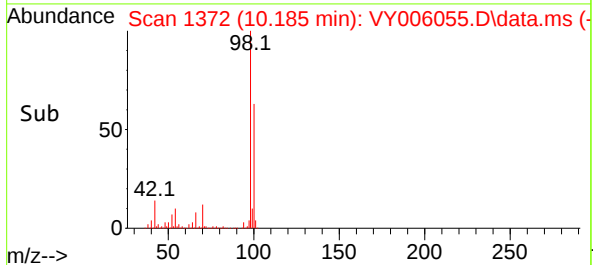
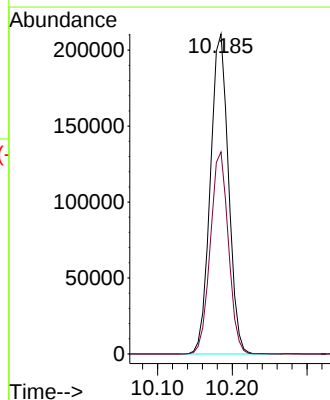
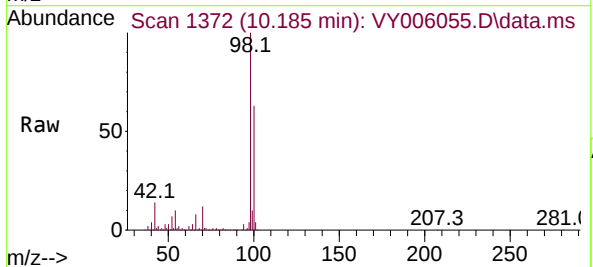
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-04-(25-27)

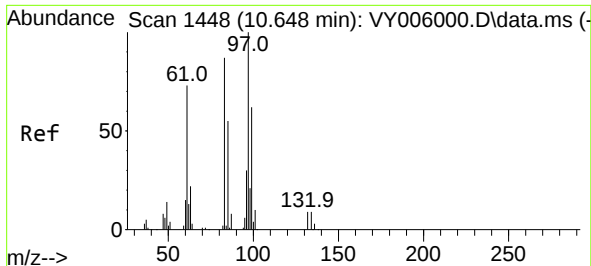
Tgt Ion:130 Resp: 201805
Ion Ratio Lower Upper
130 100
95 101.1 0.0 188.2



#50
Toluene-d8
Concen: 49.847 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Tgt Ion: 98 Resp: 354202
Ion Ratio Lower Upper
98 100
100 62.9 50.2 75.2

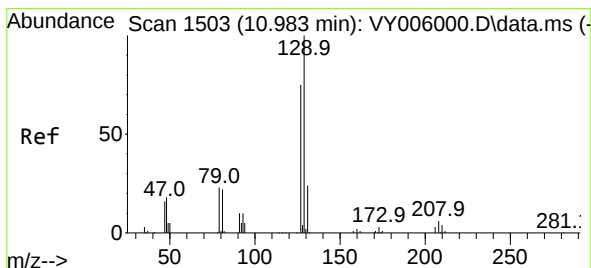
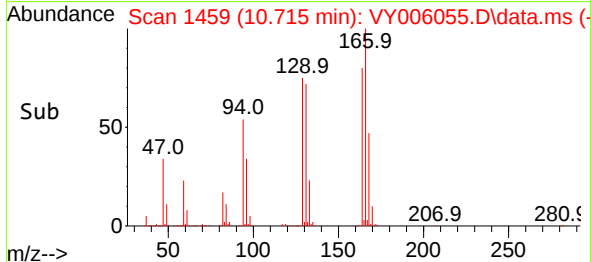
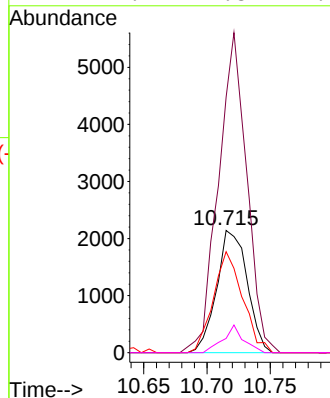
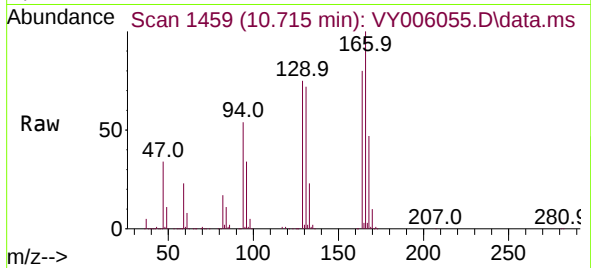




#55
1,1,2-Trichloroethane
Concen: 2.351 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.067 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

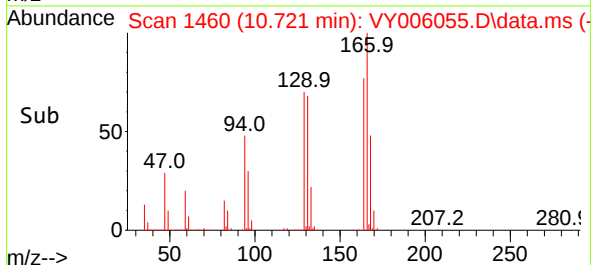
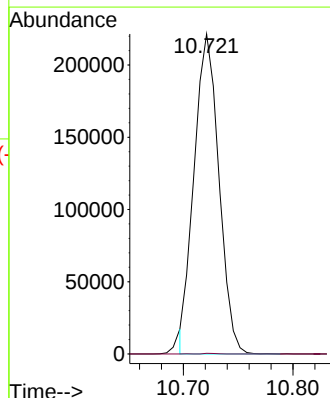
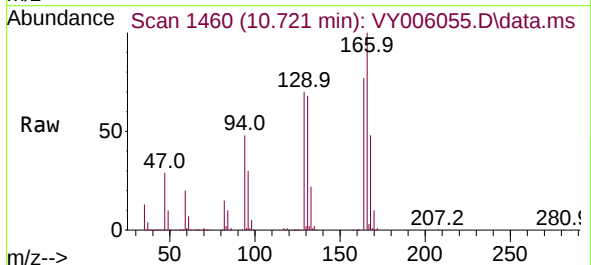
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-04-(25-27)

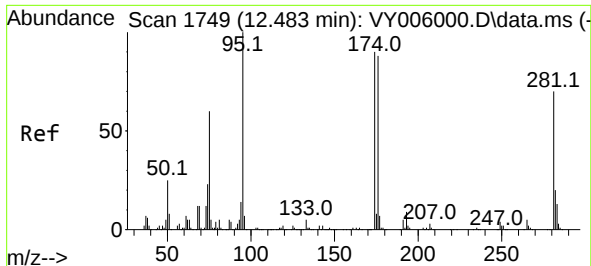
Tgt Ion: 97	Resp: 3594
Ion Ratio	Lower Upper
97 100	
83 208.9	69.8 104.8#
85 82.6	44.3 66.5#
99 11.7	49.8 74.6#



#60
Dibromochloromethane
Concen: 184.817 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Tgt Ion: 129	Resp: 348325
Ion Ratio	Lower Upper
129 100	
127 0.1	38.7 116.1#

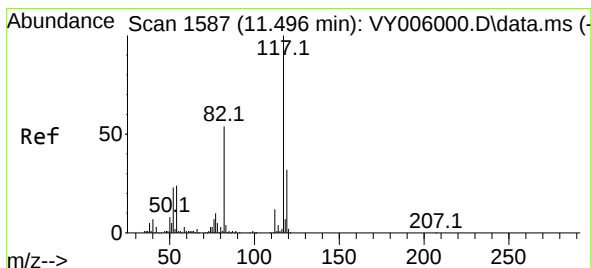
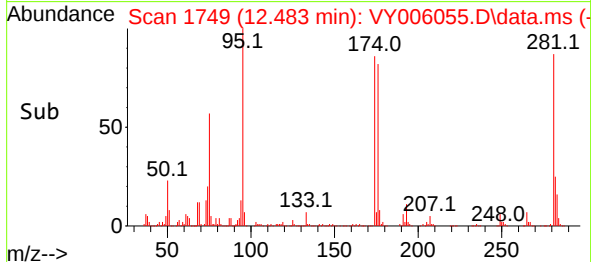
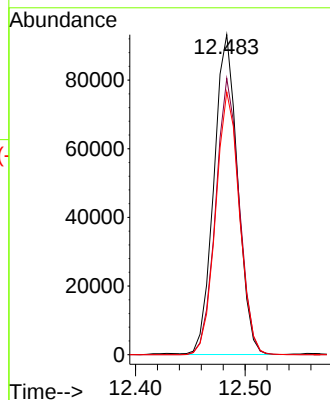
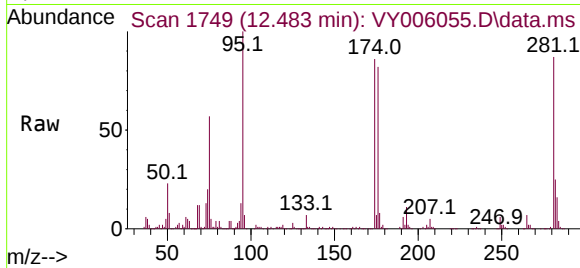




#62
4-Bromofluorobenzene
Concen: 58.249 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

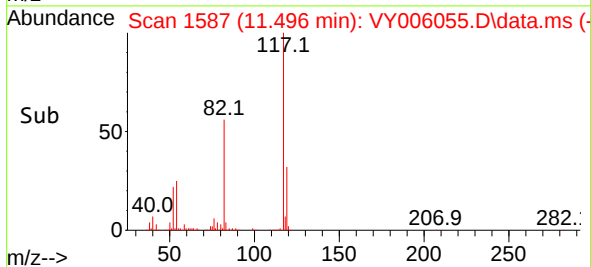
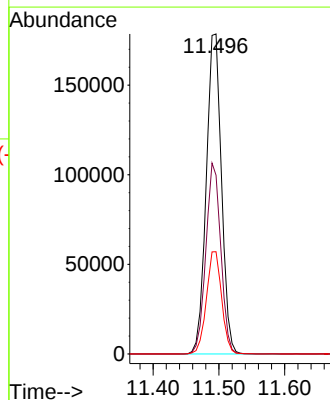
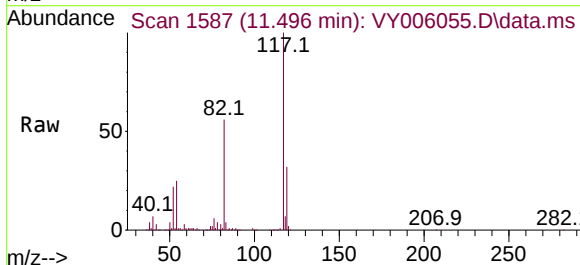
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-04-(25-27)

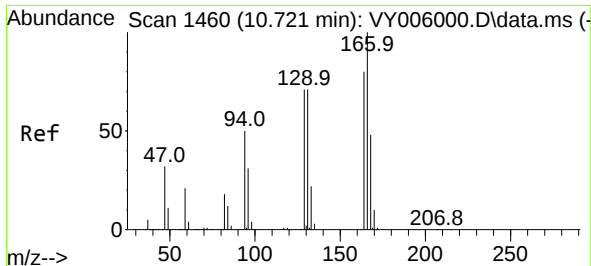
Tgt Ion: 95 Resp: 140528
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 82.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Tgt Ion: 117 Resp: 287212
Ion Ratio Lower Upper
117 100
82 55.9 43.0 64.4
119 31.9 25.4 38.0

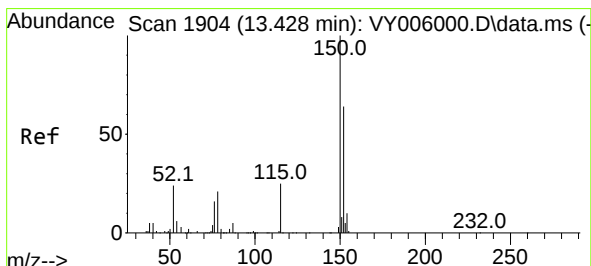
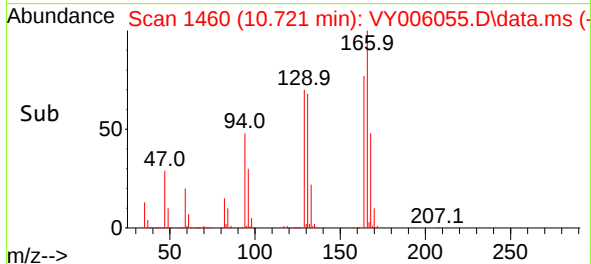
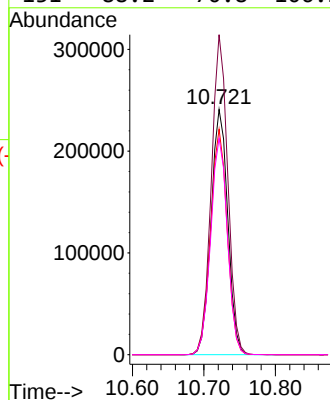
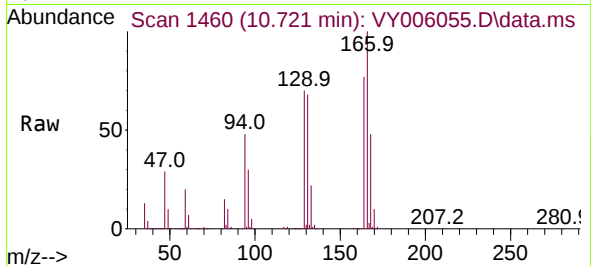




#64
Tetrachloroethene
Concen: 167.088 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

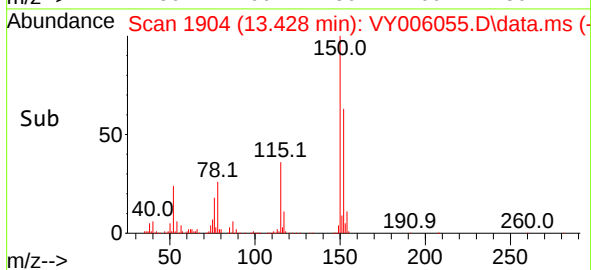
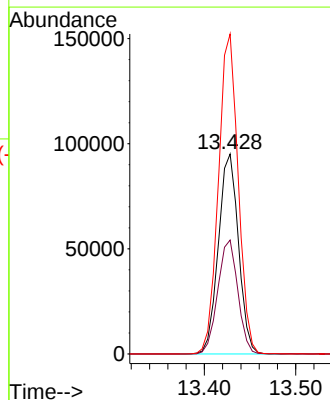
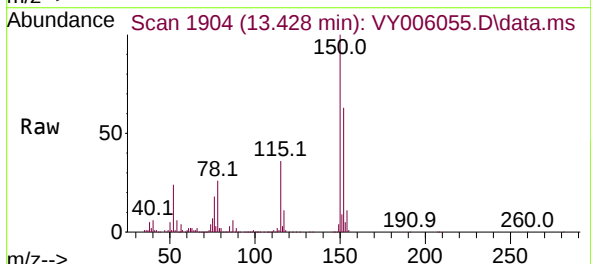
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-04-(25-27)

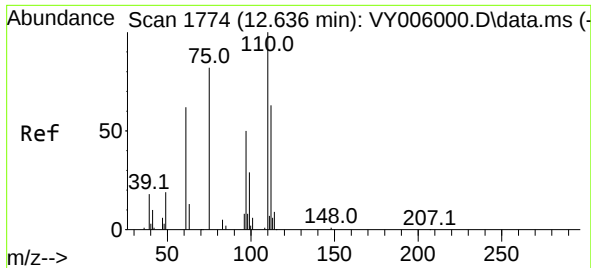
Tgt Ion:164	Resp: 392511
Ion Ratio	Lower Upper
164	100
166	130.4 100.4 150.6
129	91.9 71.4 107.0
131	88.2 70.8 106.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Tgt Ion:152	Resp: 145357
Ion Ratio	Lower Upper
152	100
115	56.9 28.2 84.7
150	157.1 0.0 347.6

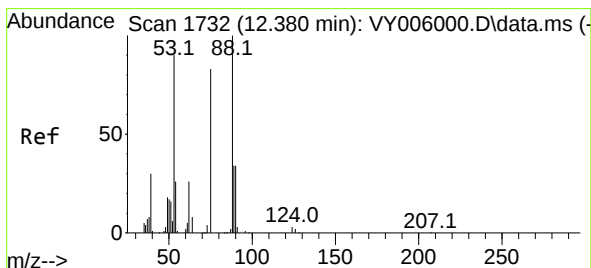
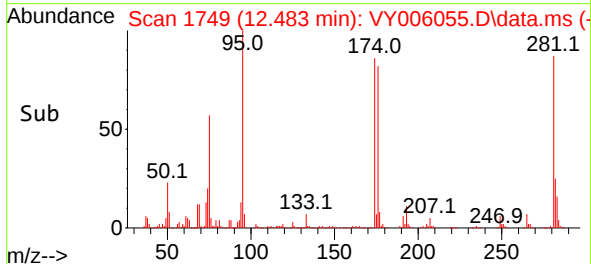
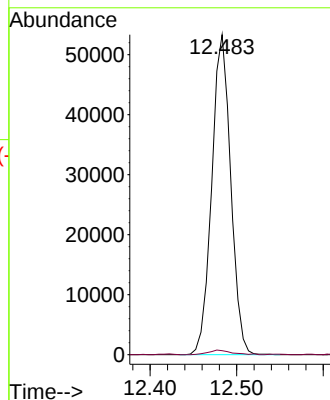
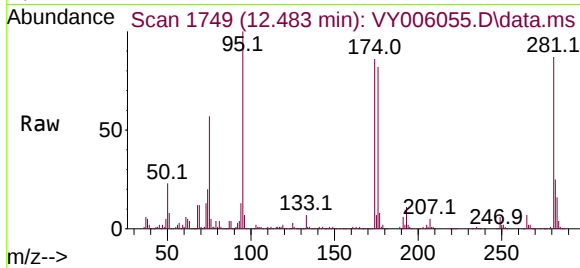




#76
1,2,3-Trichloropropane
Concen: 52.328 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-04-(25-27)

Tgt Ion: 75 Resp: 81097
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.206 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006055.D
Acq: 16 Sep 2021 18:01

Tgt Ion: 75 Resp: 81097
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.9 37.0 55.4#

