

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091621\
 Data File : VY006045.D
 Acq On : 16 Sep 2021 14:11
 Operator : SY/MD
 Sample : M3733-06RE
 Misc : 6.48G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NAPL-AREA-01-(25-27)

Quant Time: Sep 17 02:44:58 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	156540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	297088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	324770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157241	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	117494	54.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.060%	
35) Dibromofluoromethane	7.722	113	91603	49.642	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.280%	
50) Toluene-d8	10.185	98	400796	50.962	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	12.483	95	160363	60.057	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.120%	

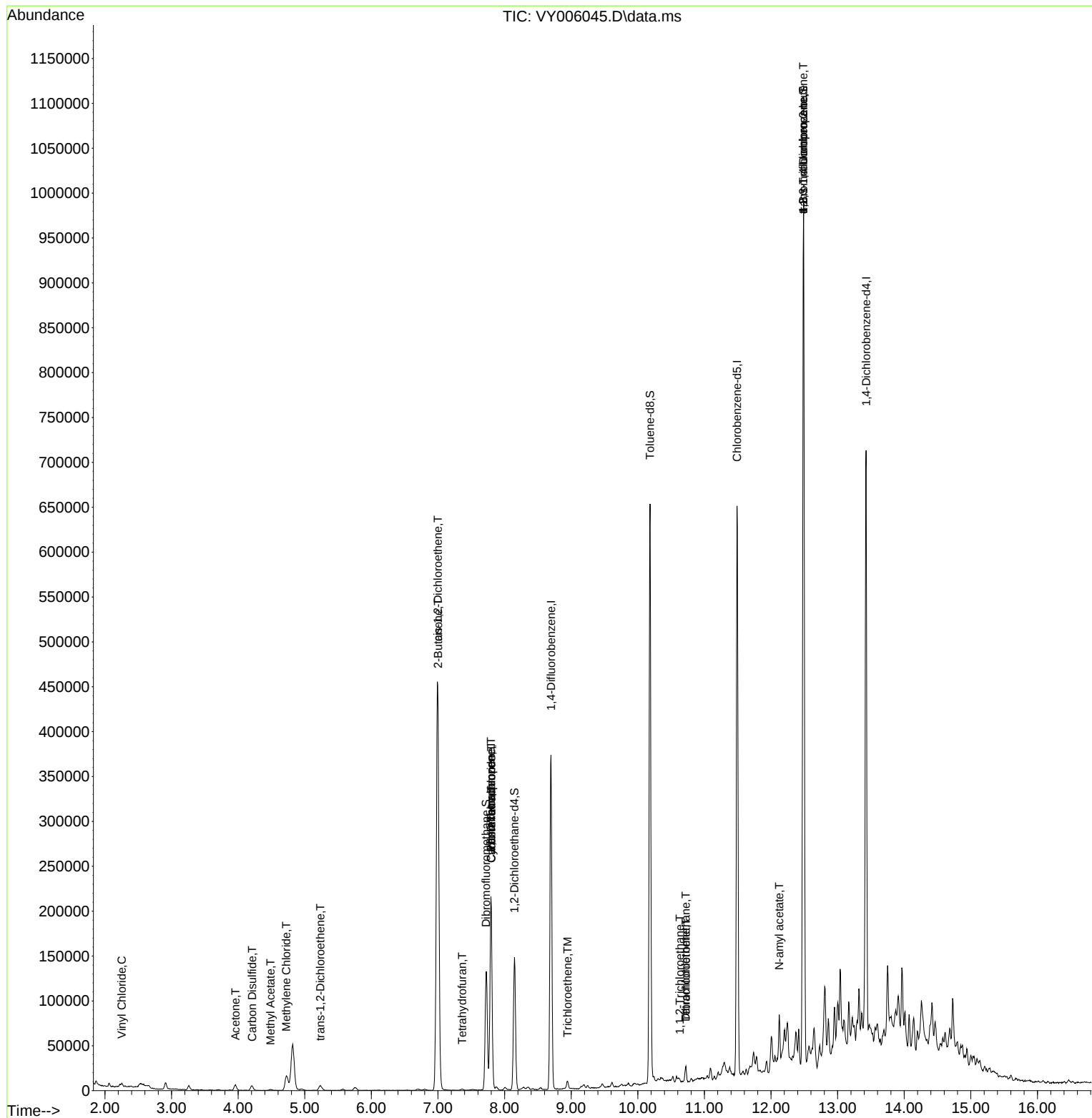
Target Compounds						Qvalue
4) Vinyl Chloride	2.253	62	2583	1.113	ug/l	93
11) Tert butyl alcohol	4.954	59	2228	Below Cal	#	80
16) Acetone	3.960	43	9962	16.704	ug/l	96
17) Carbon Disulfide	4.210	76	9912	1.899	ug/l	96
18) Methyl Acetate	4.484	43	2075	1.381	ug/l	92
20) Methylene Chloride	4.722	84	10823	1.287	ug/l	# 75
21) trans-1,2-Dichloroethene	5.234	96	2616	1.493	ug/l	# 78
25) 2-Butanone	7.002	43	1484	1.805	ug/l	# 1
27) cis-1,2-Dichloroethene	6.996	96	269854	138.008	ug/l	89
29) Tetrahydrofuran	7.362	42	698	1.351	ug/l	# 79
31) Cyclohexane	7.801	56	4793	1.376	ug/l	# 43
36) 1,1-Dichloropropene	7.795	75	13472	4.201	ug/l	# 51
38) Carbon Tetrachloride	7.801	117	15962	4.573	ug/l	# 16
44) Trichloroethene	8.947	130	2618	1.143	ug/l	88
55) 1,1,2-Trichloroethane	10.630	97	1739	1.028	ug/l	# 33
60) Dibromochloromethane	10.721	129	2748	1.317	ug/l	# 11
64) Tetrachloroethene	10.721	164	2908	1.095	ug/l	# 90
74) N-amyl acetate	12.123	43	11335	2.666	ug/l	# 70
76) 1,2,3-Trichloropropane	12.483	75	91971	54.859	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	91971	100.860	ug/l	# 8

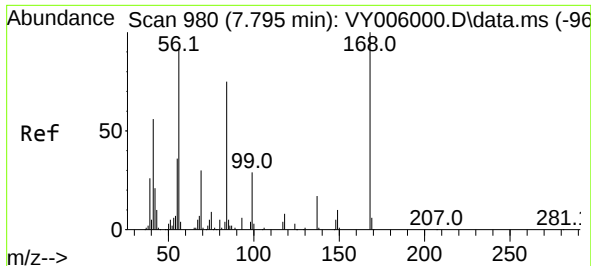
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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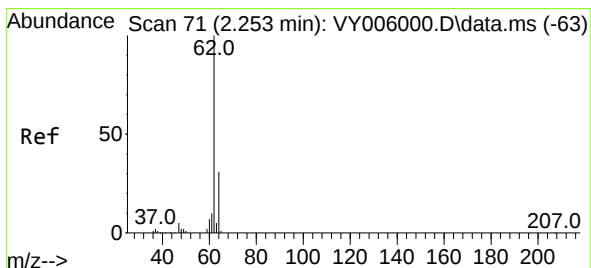
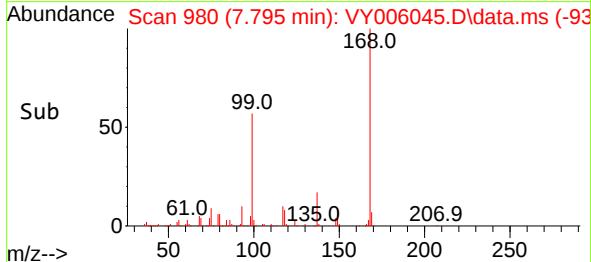
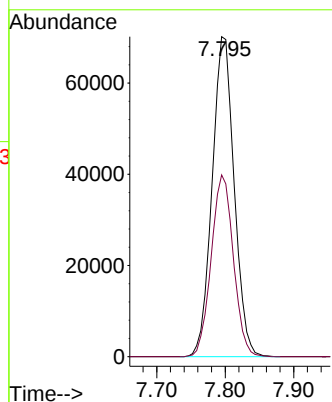
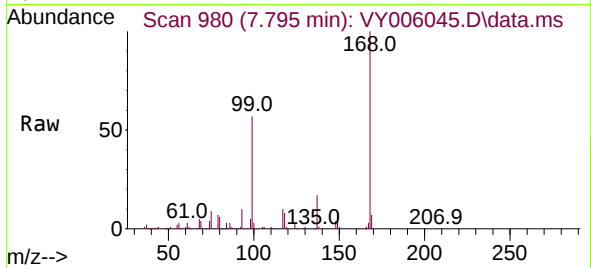




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

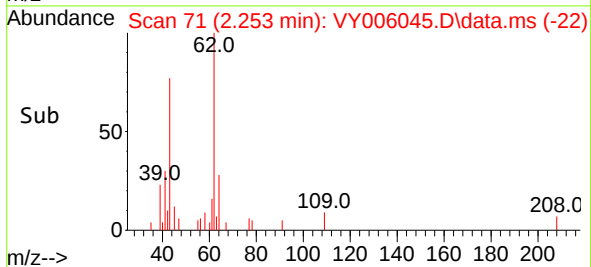
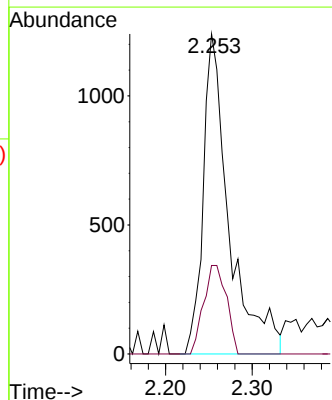
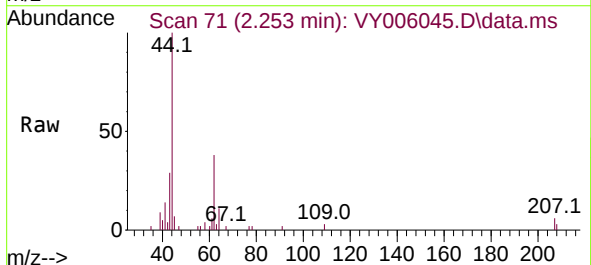
Instrument :
MSVOA_Y
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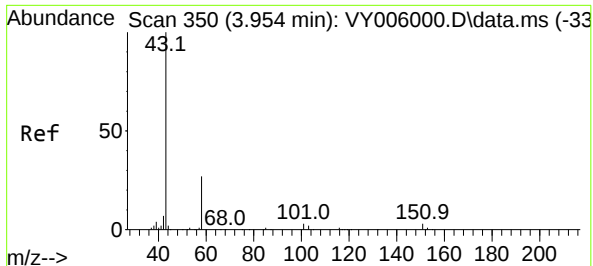
Tgt Ion:168 Resp: 156540
Ion Ratio Lower Upper
168 100
99 56.8 46.9 70.3



#4
Vinyl Chloride
Concen: 1.113 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.000 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

Tgt Ion: 62 Resp: 2583
Ion Ratio Lower Upper
62 100
64 27.7 25.0 37.6

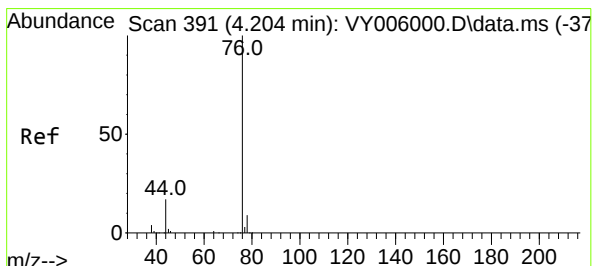
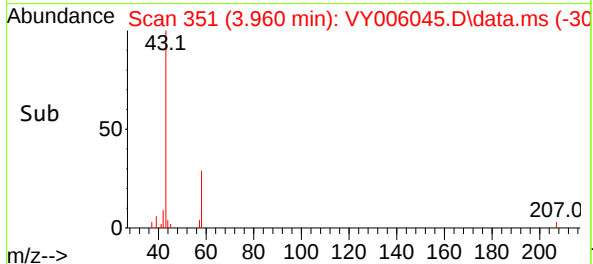
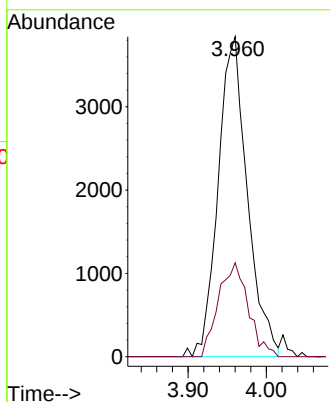
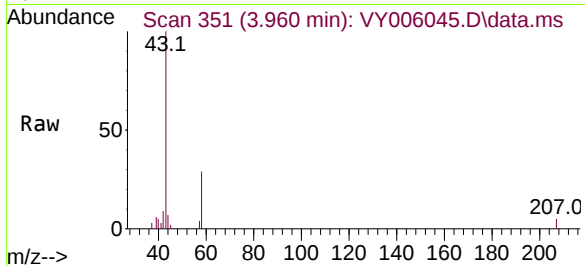




#16
Acetone
Concen: 16.704 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

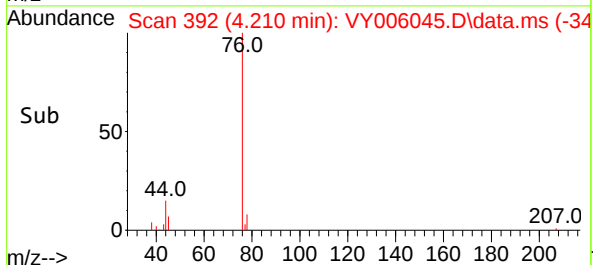
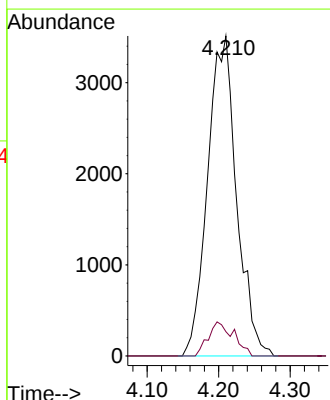
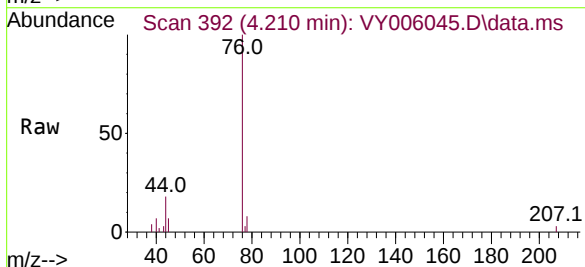
Instrument :
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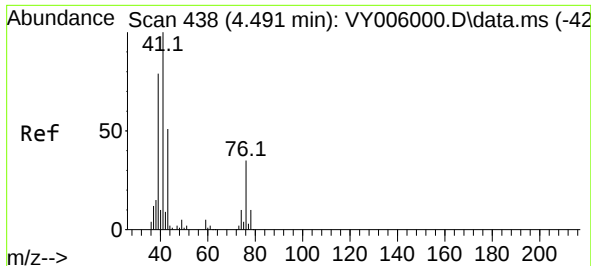
Tgt Ion: 43 Resp: 9962
Ion Ratio Lower Upper
43 100
58 29.3 22.0 33.0



#17
Carbon Disulfide
Concen: 1.899 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

Tgt Ion: 76 Resp: 9912
Ion Ratio Lower Upper
76 100
78 7.6 7.4 11.0

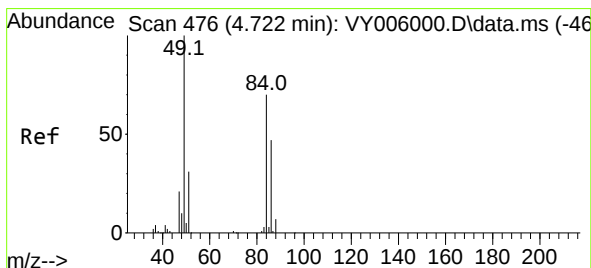
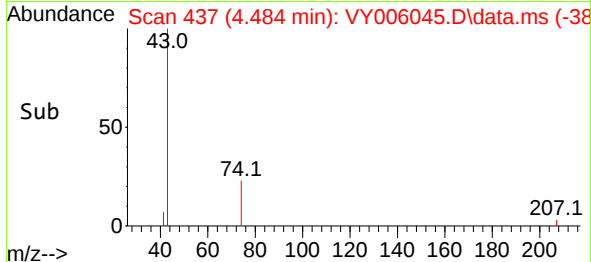
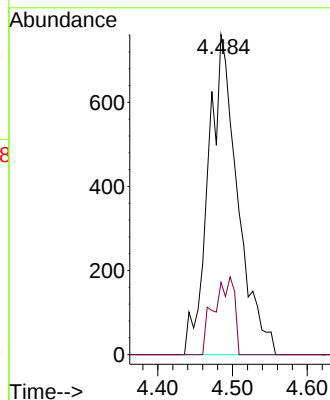
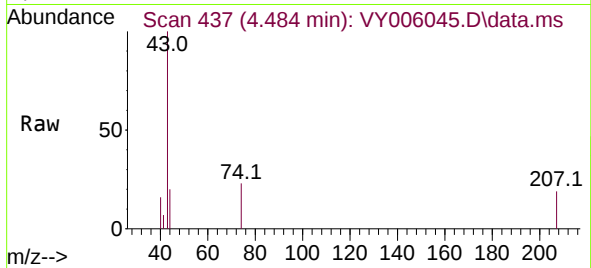




#18
Methyl Acetate
Concen: 1.381 ug/l
RT: 4.484 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

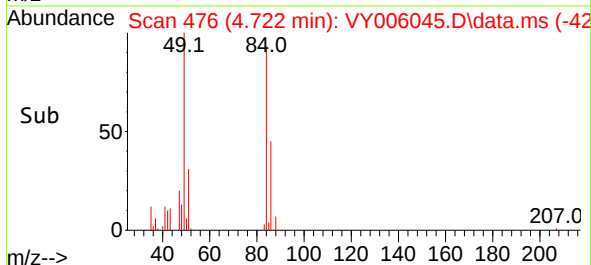
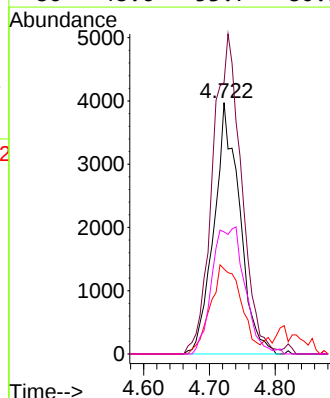
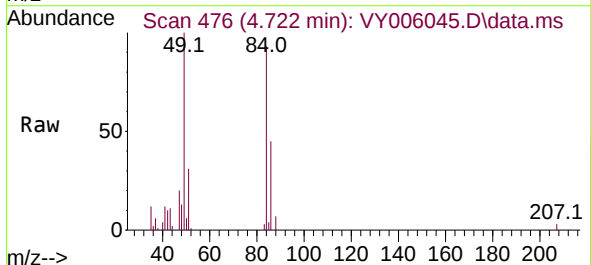
Instrument :
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NAPL-AREA-01-(25-27)

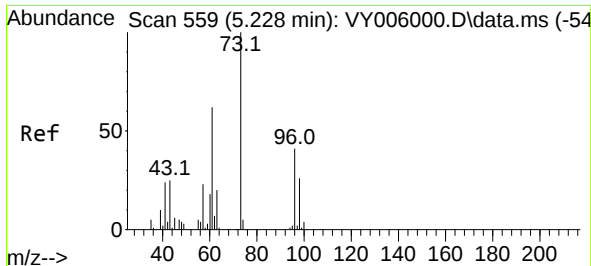
Tgt Ion: 43 Resp: 2075
Ion Ratio Lower Upper
43 100
74 17.0 16.6 24.8



#20
Methylene Chloride
Concen: 1.287 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

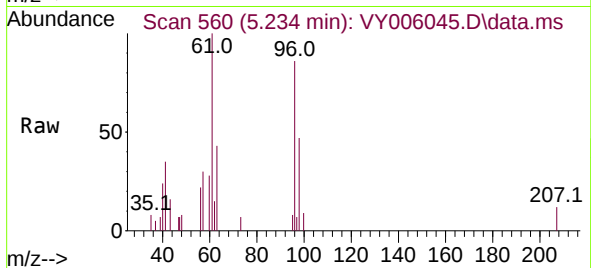
Tgt Ion: 84 Resp: 10823
Ion Ratio Lower Upper
84 100
49 108.0 114.4 171.6#
51 33.8 35.3 52.9#
86 48.6 53.7 80.5#





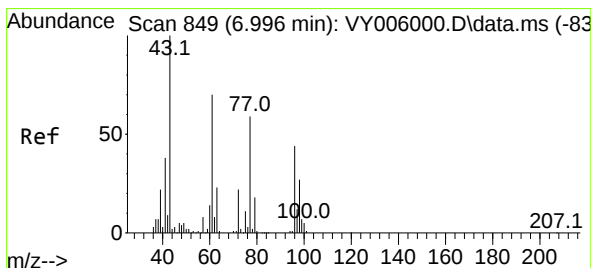
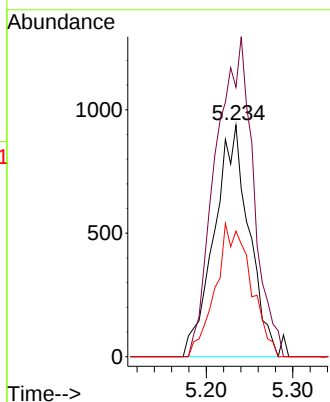
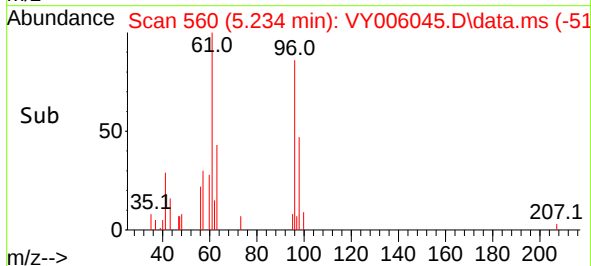
#21
trans-1,2-Dichloroethene
Concen: 1.493 ug/l
RT: 5.234 min Scan# 560
Delta R.T. 0.006 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

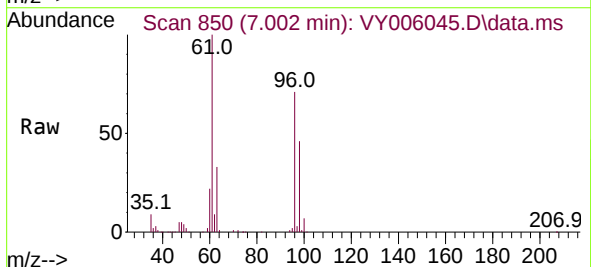


Tgt Ion: 96 Resp: 2616

Ion	Ratio	Lower	Upper
96	100		
61	116.4	120.5	180.7#
98	54.2	49.8	74.8

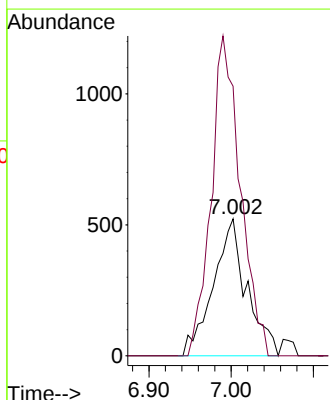
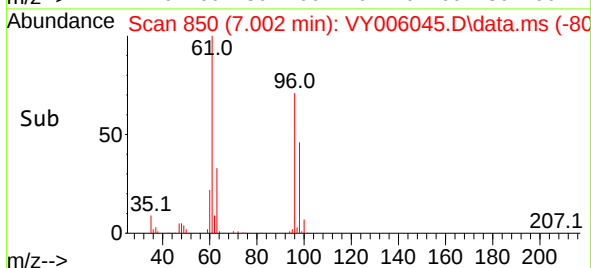


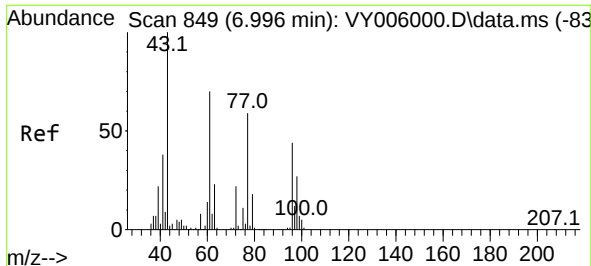
#25
2-Butanone
Concen: 1.805 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11



Tgt Ion: 43 Resp: 1484

Ion	Ratio	Lower	Upper
43	100		
72	196.7	17.7	26.5#





#27

cis-1,2-Dichloroethene

Concen: 138.008 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY006045.D

Acq: 16 Sep 2021 14:11

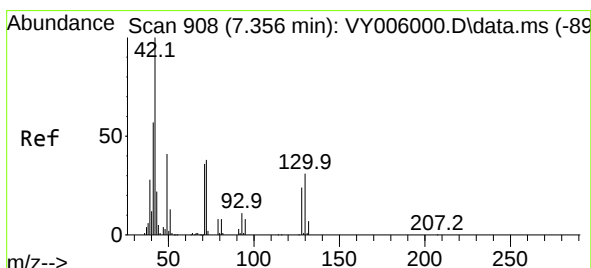
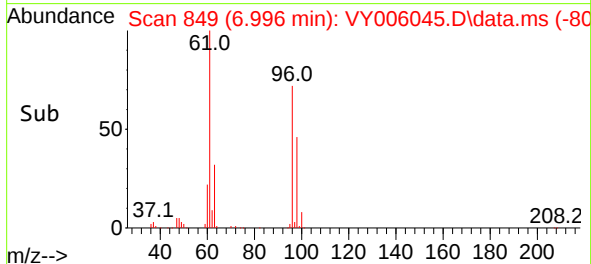
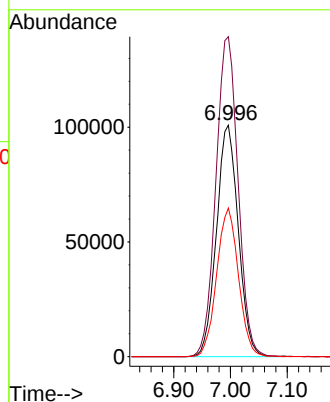
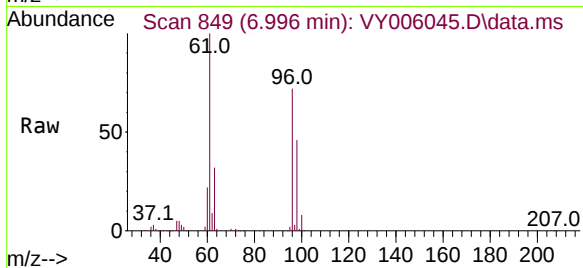
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ClientSampleId :

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Tgt Ion:	96	Resp:	269854
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	319.8
98	64.1	0.0	127.0



#29

Tetrahydrofuran

Concen: 1.351 ug/l

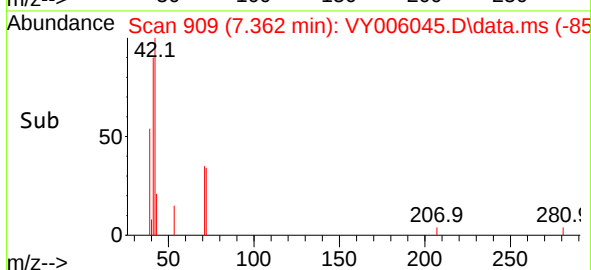
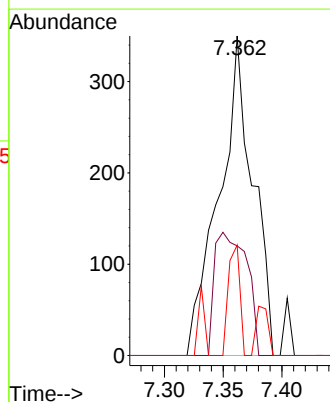
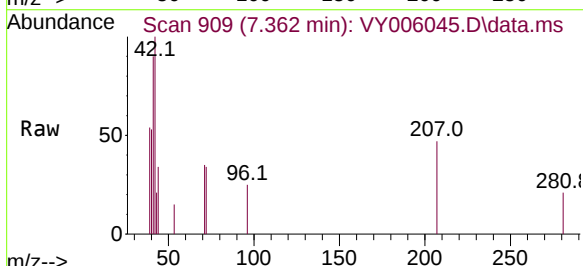
RT: 7.362 min Scan# 909

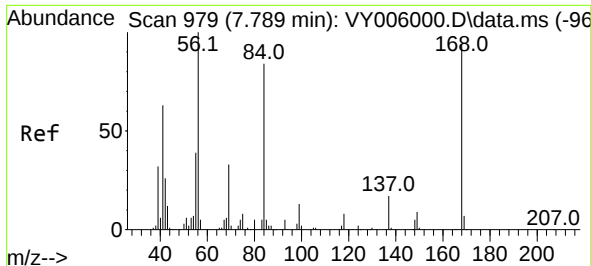
Delta R.T. 0.006 min

Lab File: VY006045.D

Acq: 16 Sep 2021 14:11

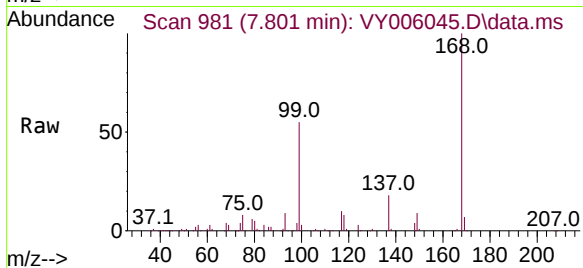
Tgt Ion:	42	Resp:	698
Ion	Ratio	Lower	Upper
42	100		
72	36.8	30.3	45.5
71	11.7	29.0	43.4



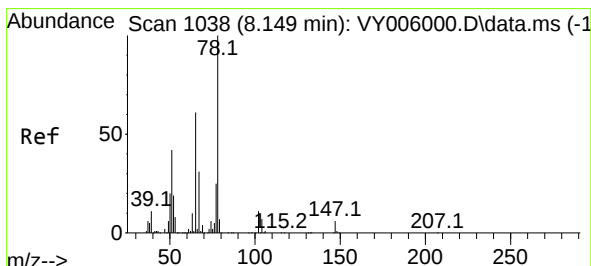
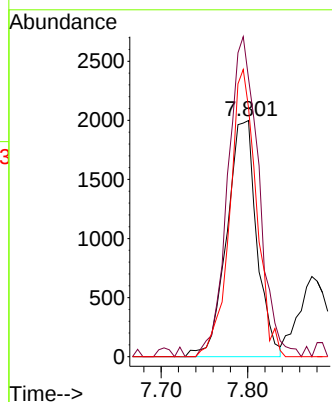
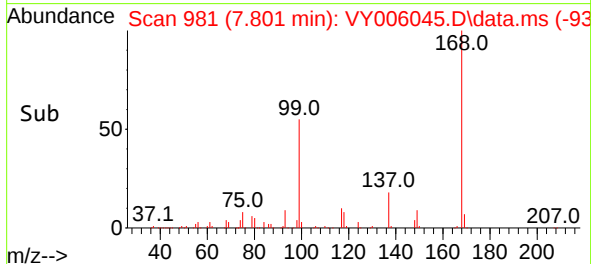


#31
Cyclohexane
Concen: 1.376 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

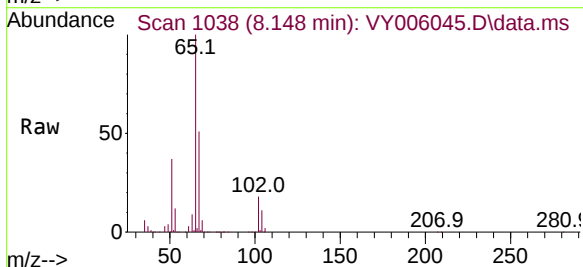
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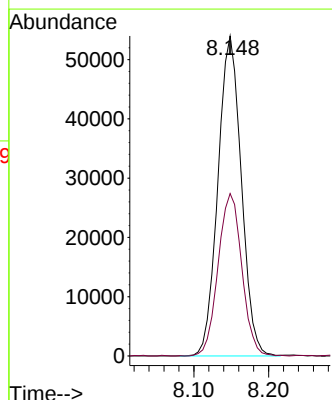
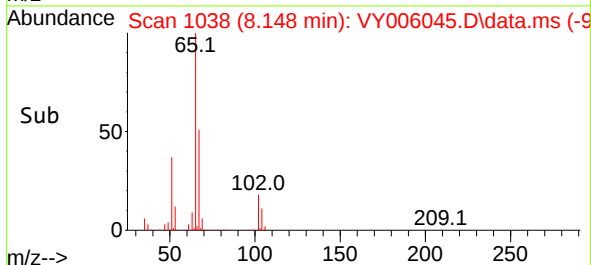
Tgt Ion: 56 Resp: 4793
Ion Ratio Lower Upper
56 100
69 113.8 26.7 40.1#
84 105.4 67.2 100.8#

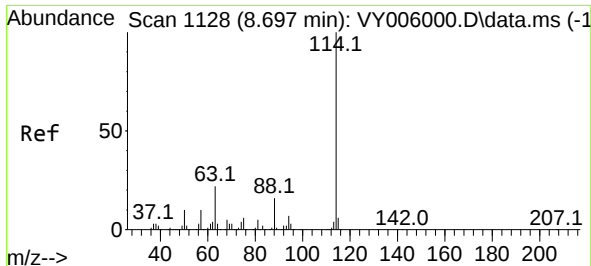


#33
1,2-Dichloroethane-d4
Concen: 54.034 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11



Tgt Ion: 65 Resp: 117494
Ion Ratio Lower Upper
65 100
67 51.5 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: VY006045.D

Acq: 16 Sep 2021 14:11

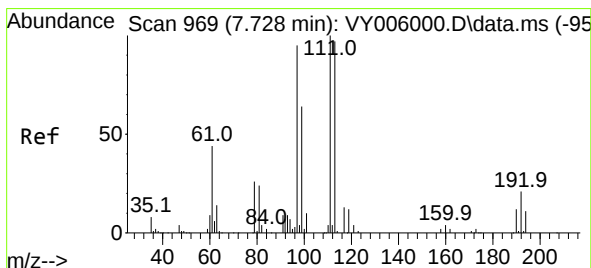
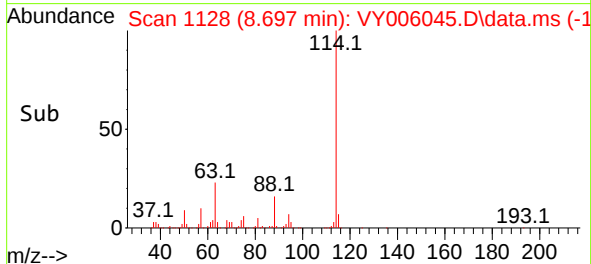
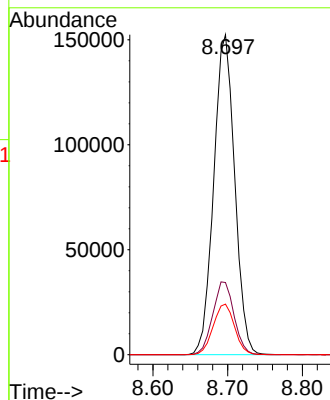
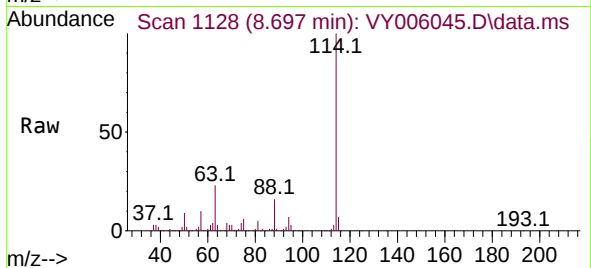
Instrument :

MSVOA_Y

ClientSampleId :

NAPL-AREA-01-(25-27)

Tgt Ion:114	Resp:	297088
Ion Ratio	Lower	Upper
114	100	
63	22.5	0.0 43.2
88	15.8	0.0 31.8



#35

Dibromofluoromethane

Concen: 49.642 ug/l

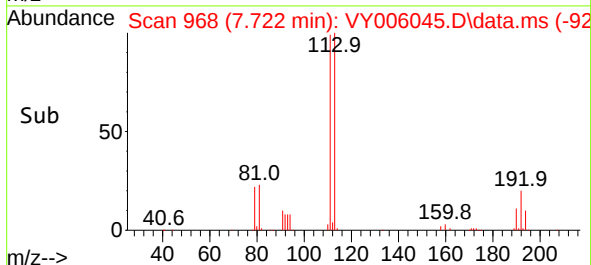
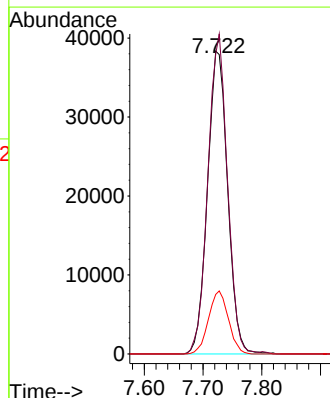
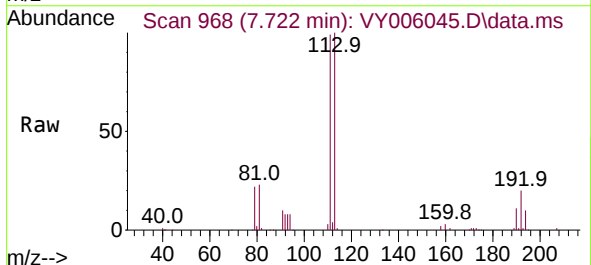
RT: 7.722 min Scan# 968

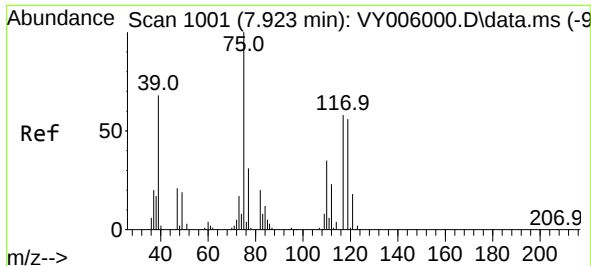
Delta R.T. -0.006 min

Lab File: VY006045.D

Acq: 16 Sep 2021 14:11

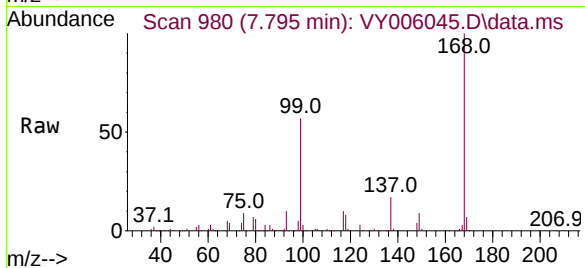
Tgt Ion:113	Resp:	91603
Ion Ratio	Lower	Upper
113	100	
111	102.4	82.6 124.0
192	20.5	17.6 26.4



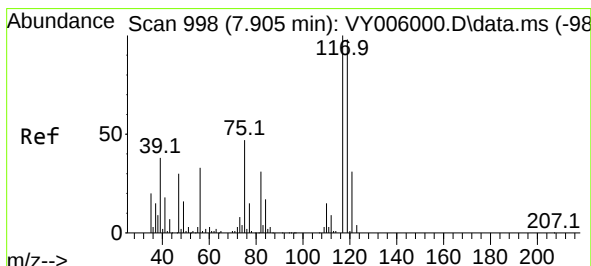
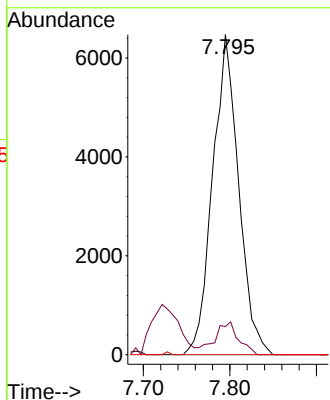
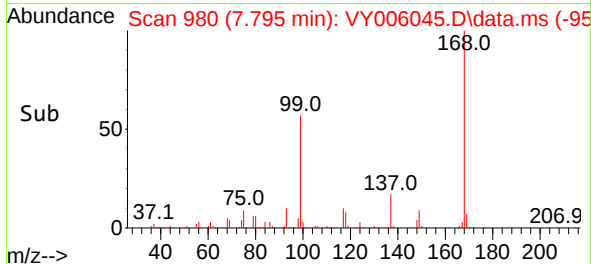


#36
1,1-Dichloropropene
Concen: 4.201 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

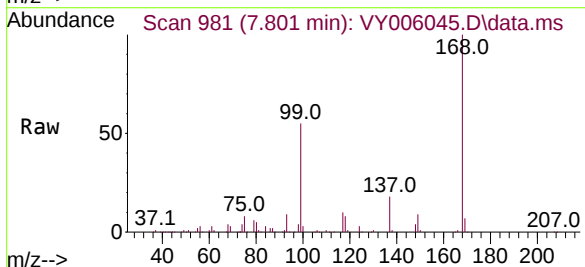
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)



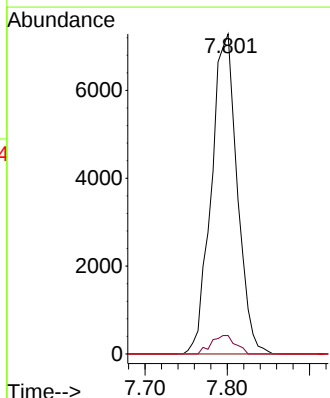
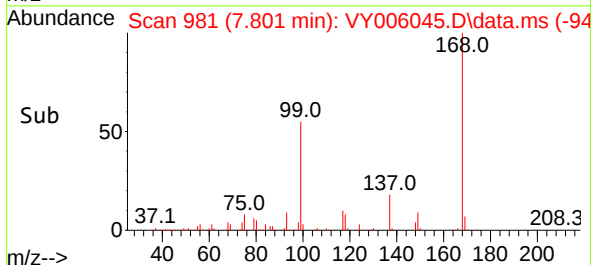
Tgt Ion: 75 Resp: 13472
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#

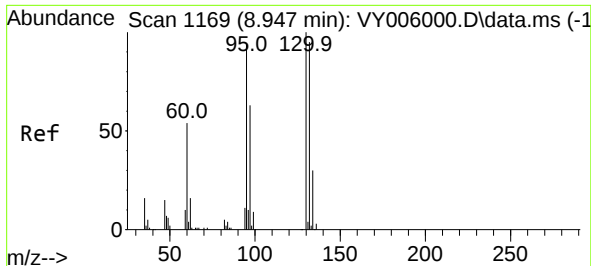


#38
Carbon Tetrachloride
Concen: 4.573 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11



Tgt Ion: 117 Resp: 15962
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#

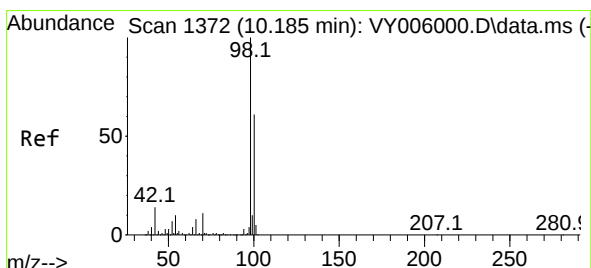
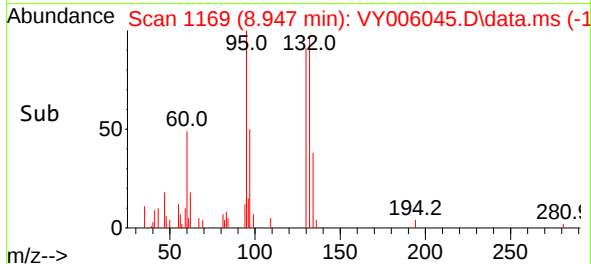
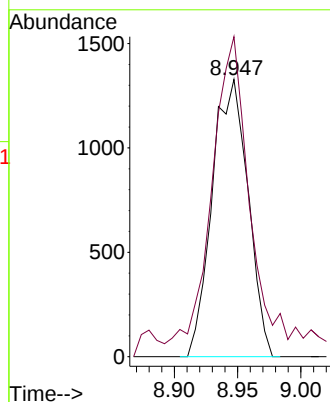
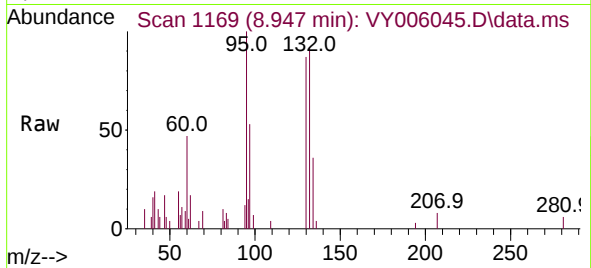




#44
Trichloroethene
Concen: 1.143 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

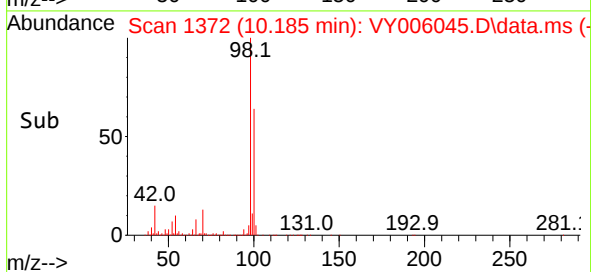
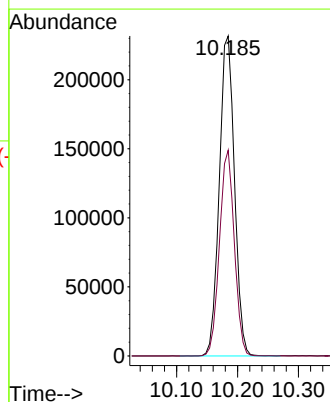
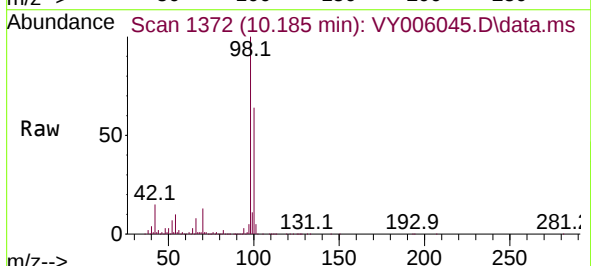
Instrument :
MSVOA_Y
ClientSampleId :
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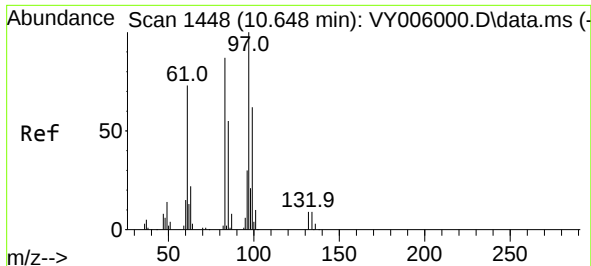
Tgt Ion:130 Resp: 2618
Ion Ratio Lower Upper
130 100
95 105.6 0.0 188.2



#50
Toluene-d8
Concen: 50.962 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

Tgt Ion: 98 Resp: 400796
Ion Ratio Lower Upper
98 100
100 62.8 50.2 75.2

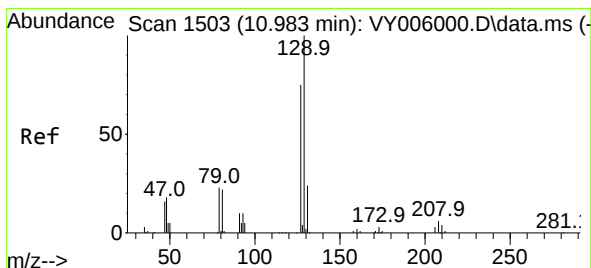
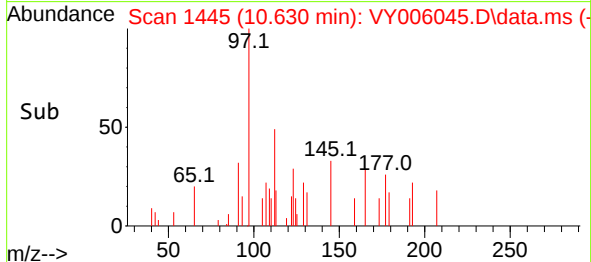
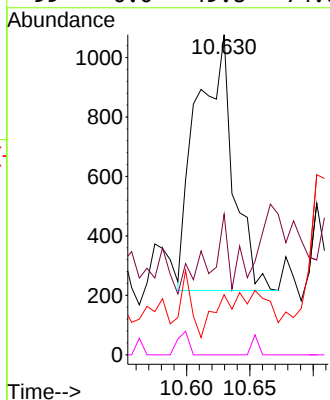
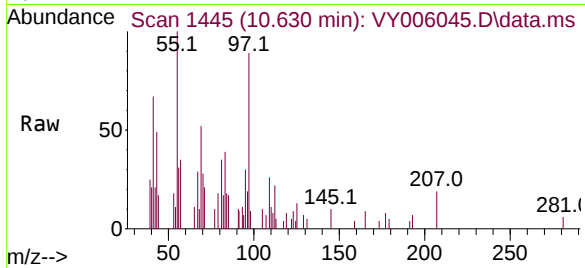




#55
1,1,2-Trichloroethane
Concen: 1.028 ug/l
RT: 10.630 min Scan# 1445
Delta R.T. -0.019 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

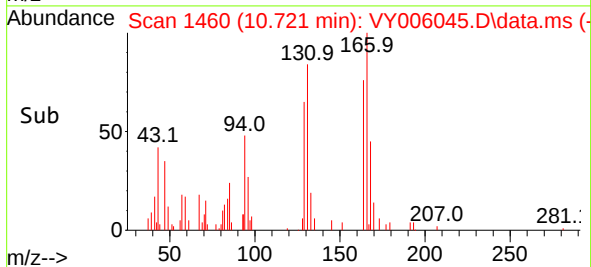
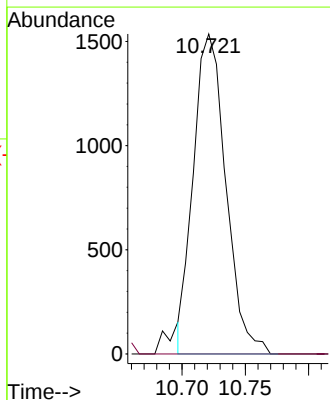
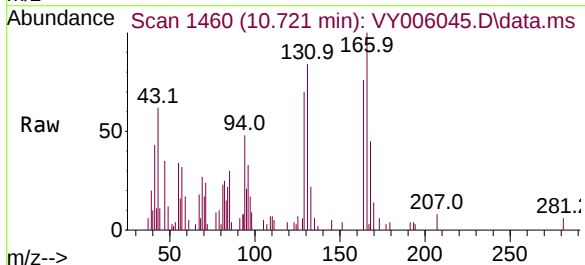
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

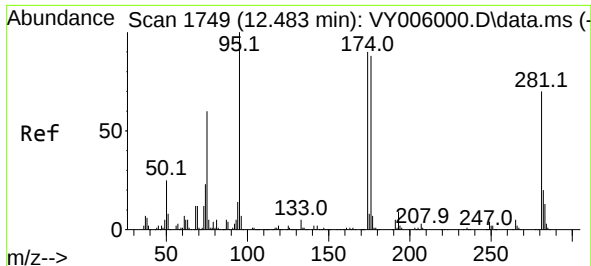
Tgt Ion: 97	Resp: 1739
Ion Ratio	Lower Upper
97 100	
83 31.1	69.8 104.8#
85 10.9	44.3 66.5#
99 0.0	49.8 74.6#



#60
Dibromochloromethane
Concen: 1.317 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

Tgt Ion:129	Resp:	2748	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.7	116.1#

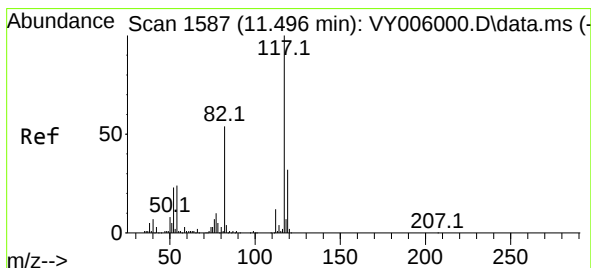
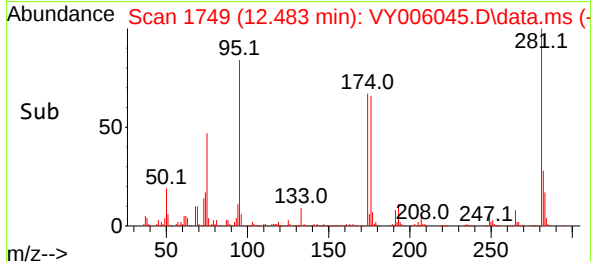
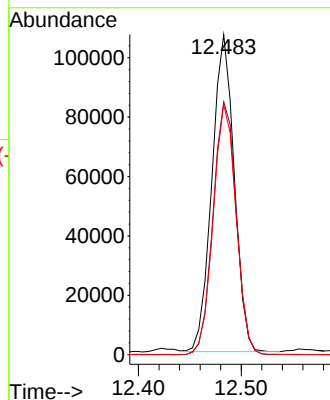
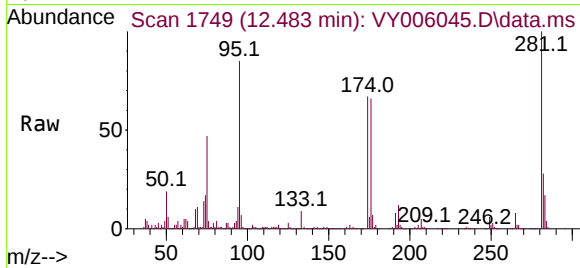




#62
4-Bromofluorobenzene
Concen: 60.057 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

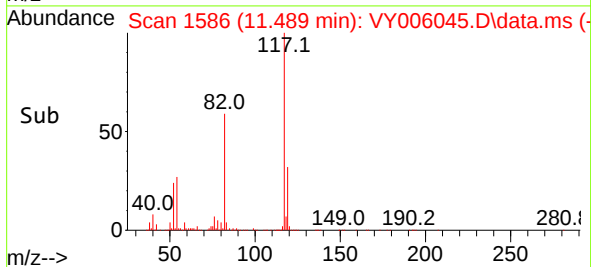
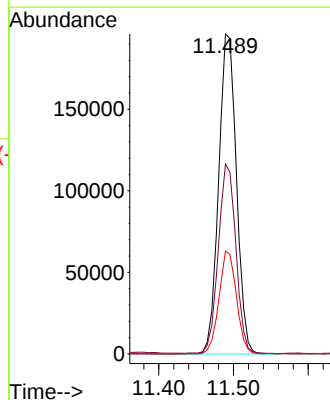
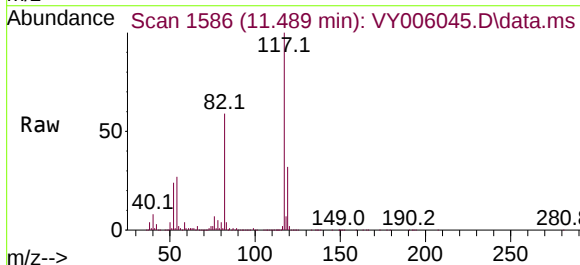
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

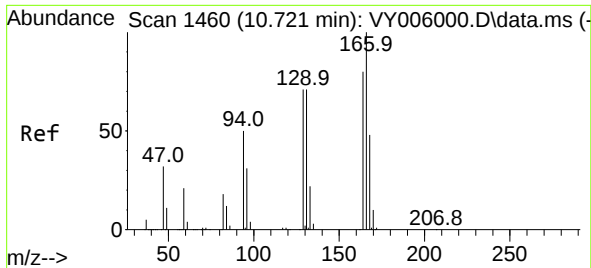
Tgt Ion: 95 Resp: 160363
Ion Ratio Lower Upper
95 100
174 83.0 0.0 177.0
176 81.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

Tgt Ion: 117 Resp: 324770
Ion Ratio Lower Upper
117 100
82 59.2 43.0 64.4
119 32.1 25.4 38.0

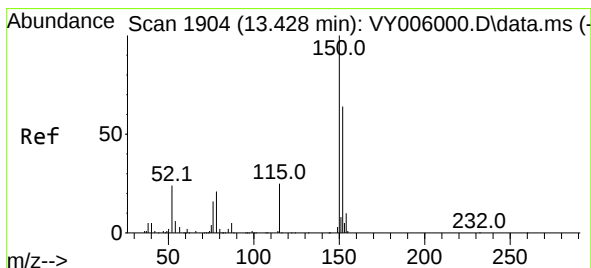
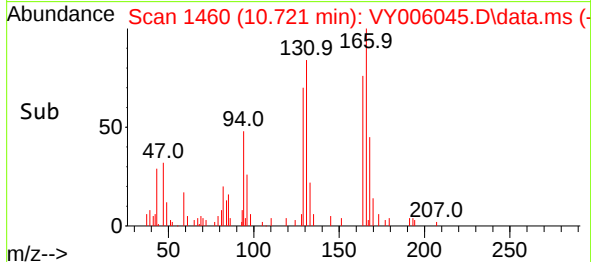
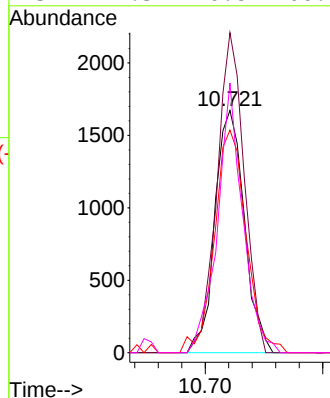
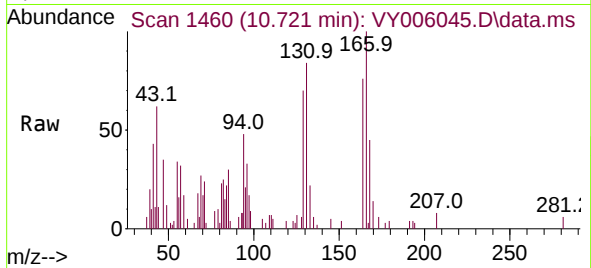




#64
Tetrachloroethene
Concen: 1.095 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

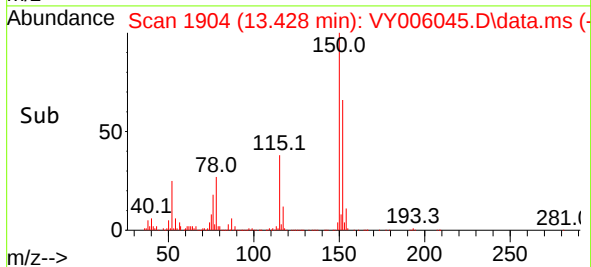
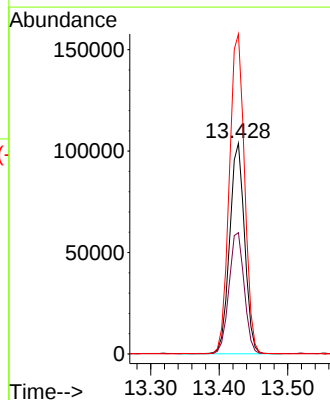
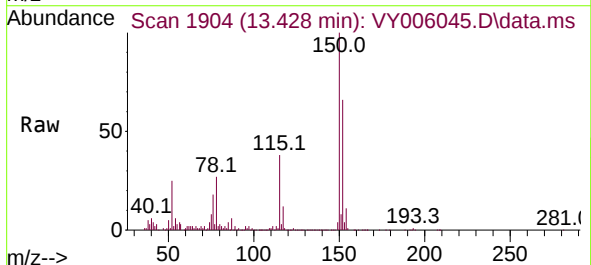
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

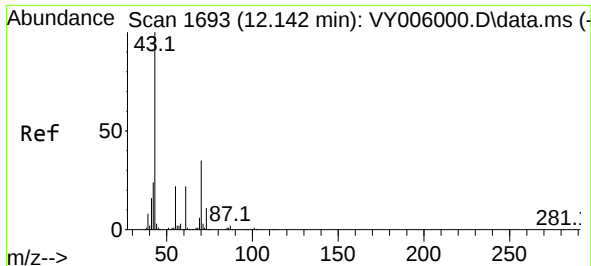
Tgt Ion:164	Resp:	2908
Ion	Ratio	Lower Upper
164	100	
166	132.1	100.4 150.6
129	91.9	71.4 107.0
131	111.3	70.8 106.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

Tgt Ion:152	Resp:	157241
Ion	Ratio	Lower Upper
152	100	
115	58.5	28.2 84.7
150	154.5	0.0 347.6

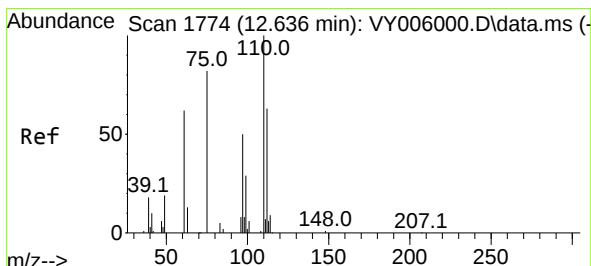
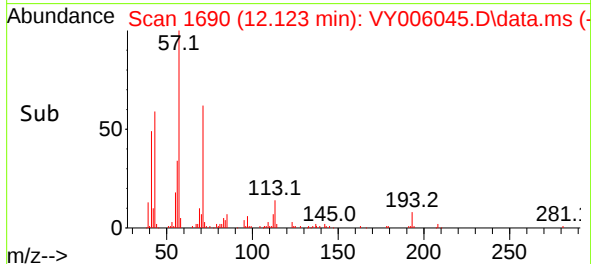
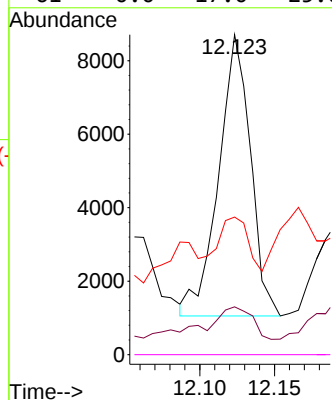
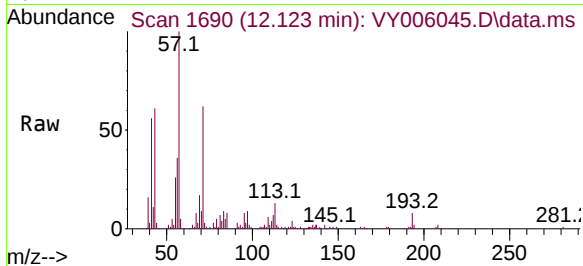




#74
N-amy1 acetate
Concen: 2.666 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

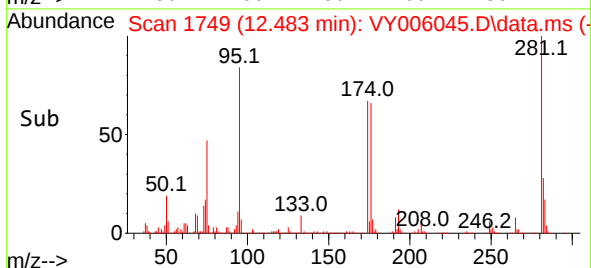
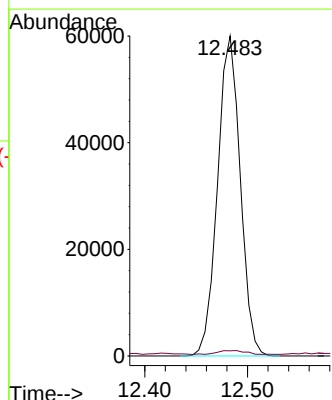
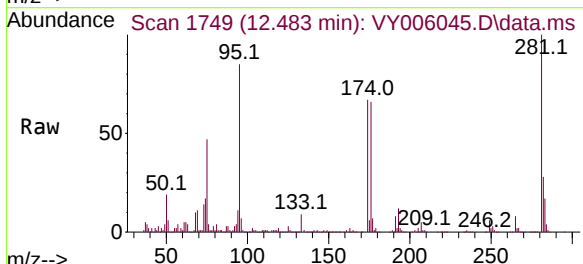
Instrument :
MSVOA_Y
ClientSampleId :
NAPL-AREA-01-(25-27)

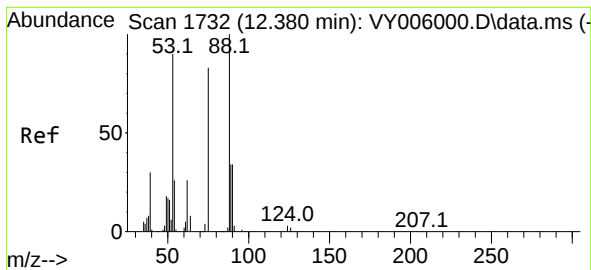
Tgt Ion:	43	Resp:	11335
Ion	Ratio	Lower	Upper
43	100		
70	17.7	28.7	43.1#
55	27.1	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 54.859 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006045.D
Acq: 16 Sep 2021 14:11

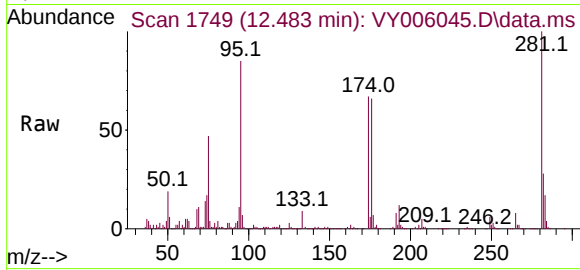
Tgt Ion:	75	Resp:	91971
Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.860 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY006045.D
 Acq: 16 Sep 2021 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 NAPL-AREA-01-(25-27)



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.6	85.3	127.9#
89	1.6	37.0	55.4#

