

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100421\
 Data File : VY006283.D
 Acq On : 04 Oct 2021 17:55
 Operator : SY/MD
 Sample : M4056-09
 Misc : 5.79G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 STOCK-PILE-PENINSULA-1B-7

Quant Time: Oct 05 06:38:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

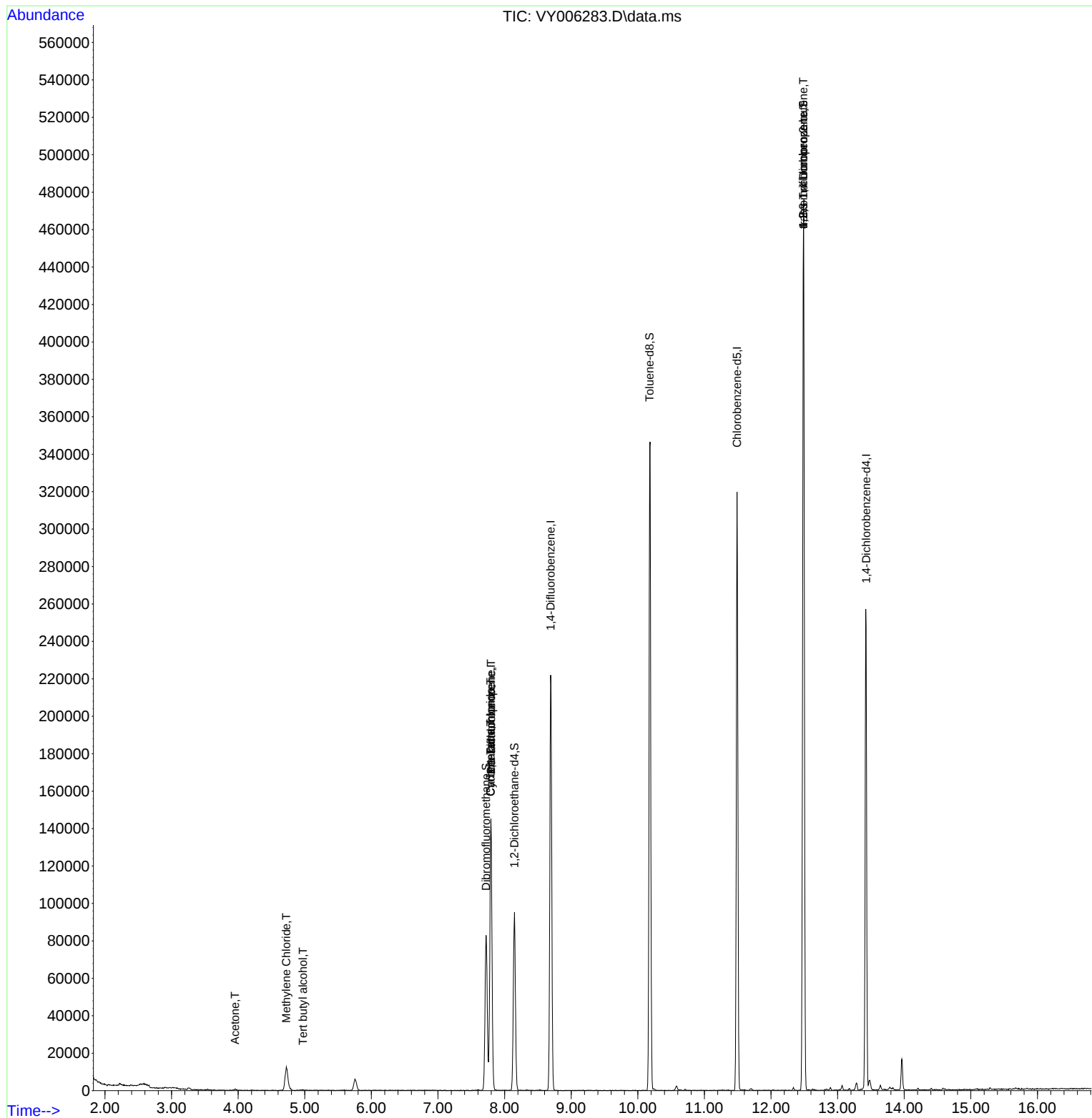
Internal Standards						
1) Pentafluorobenzene	7.795	168	112339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	183292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	161920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	78559	65.338	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.680%	
35) Dibromofluoromethane	7.722	113	55453	56.628	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.260%	
50) Toluene-d8	10.179	98	226698	55.314	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.620%	
62) 4-Bromofluorobenzene	12.483	95	65428	46.994	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	763	7.255	ug/l #	77
16) Acetone	3.954	43	1091	3.249	ug/l	96
20) Methylene Chloride	4.722	84	8724	4.099	ug/l	88
31) Cyclohexane	7.789	56	2561	1.124	ug/l #	34
36) 1,1-Dichloropropene	7.795	75	8350	4.579	ug/l #	51
38) Carbon Tetrachloride	7.789	117	11399	5.919	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	40427	64.154	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40427	126.072	ug/l #	8

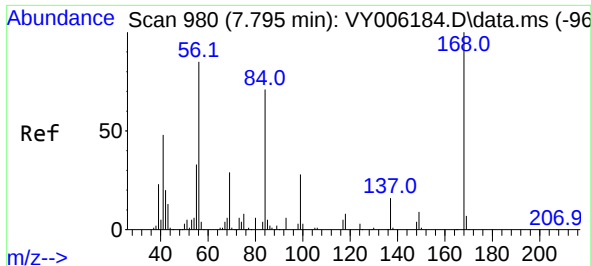
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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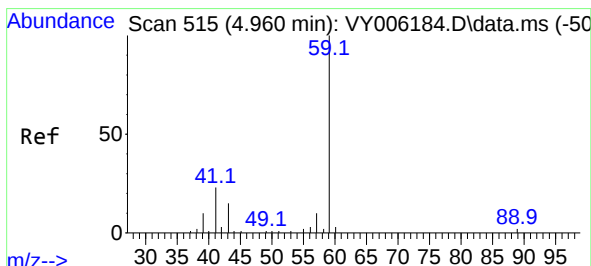
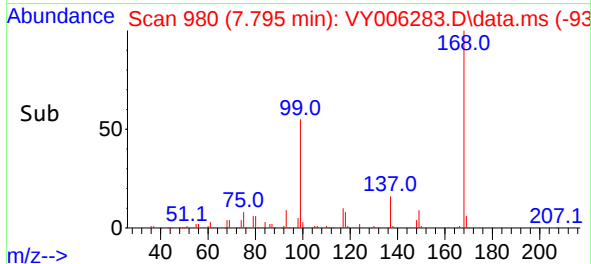
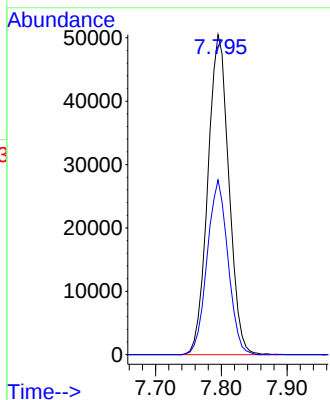
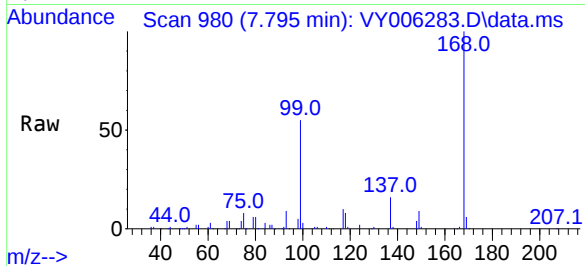




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

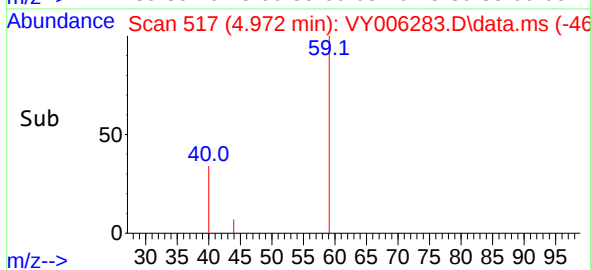
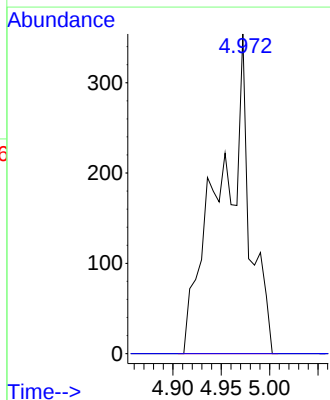
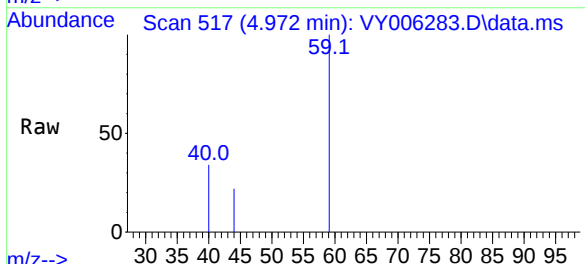
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE-PENINSULA-1B-7

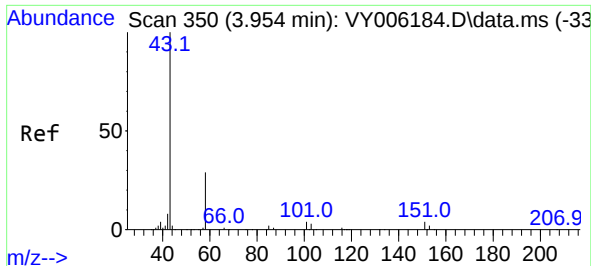
Tgt Ion:168 Resp: 112339
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#11
Tert butyl alcohol
Concen: 7.255 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

Tgt Ion: 59 Resp: 763
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

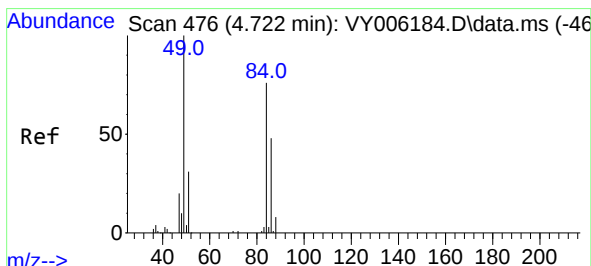
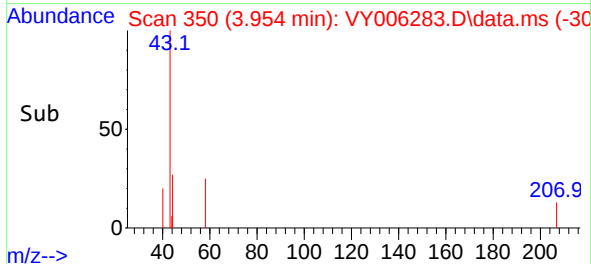
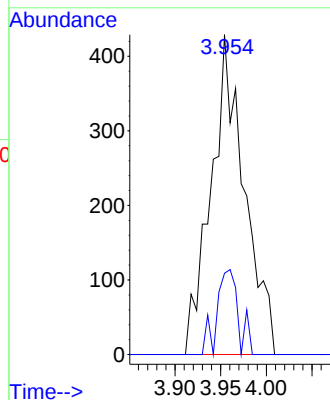
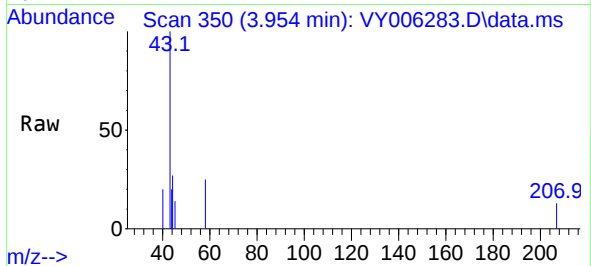




#16
Acetone
Concen: 3.249 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

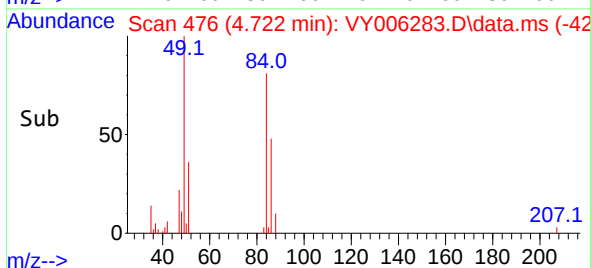
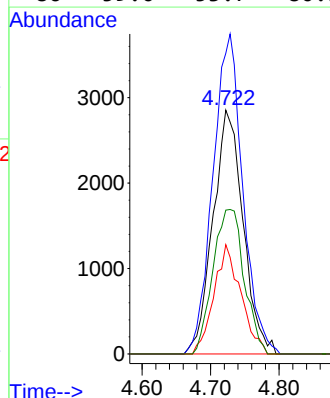
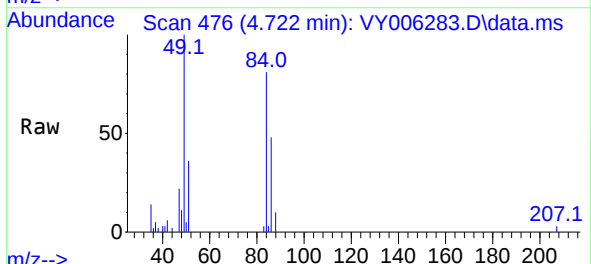
Instrument :
MSVOA_Y
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STOCK-PILE-PENINSULA-1B-7

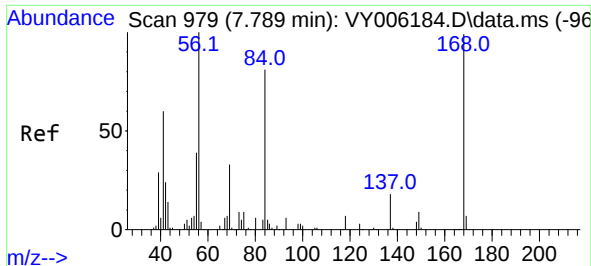
Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 25.4 22.0 33.0



#20
Methylene Chloride
Concen: 4.099 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

Tgt Ion: 84 Resp: 8724
Ion Ratio Lower Upper
84 100
49 123.3 114.4 171.6
51 44.8 35.3 52.9
86 59.0 53.7 80.5

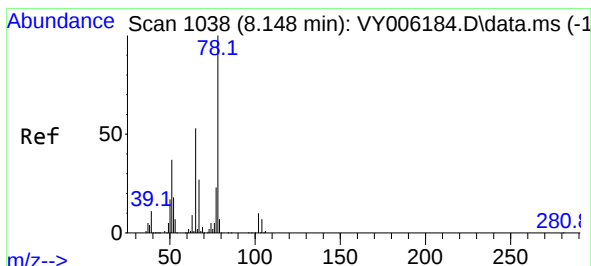
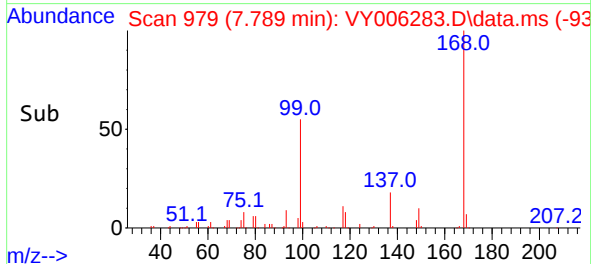
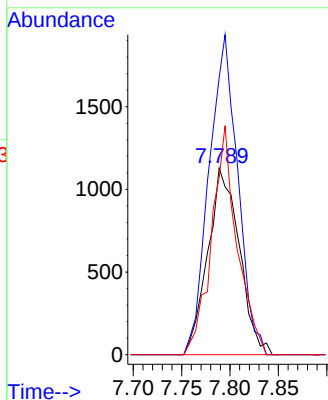
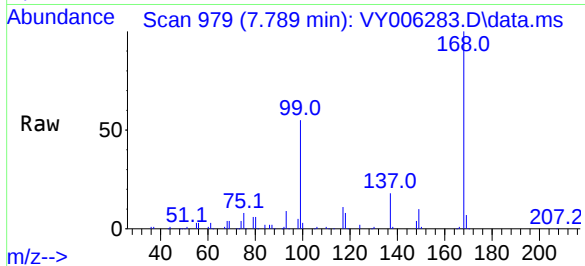




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

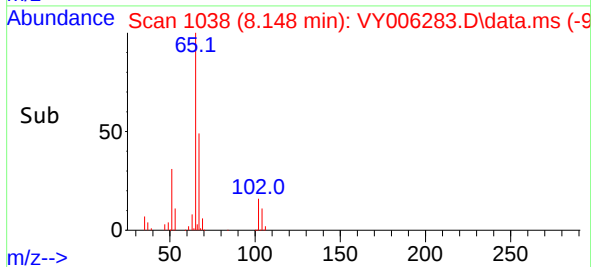
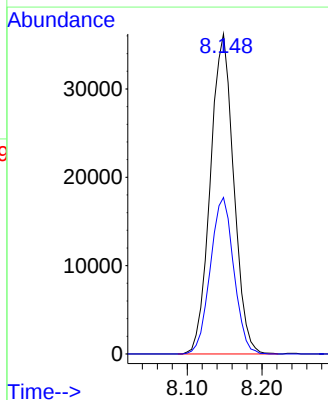
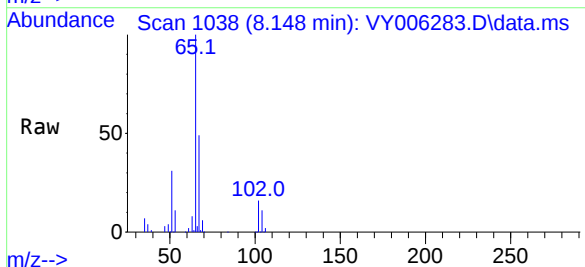
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE-PENINSULA-1B-7

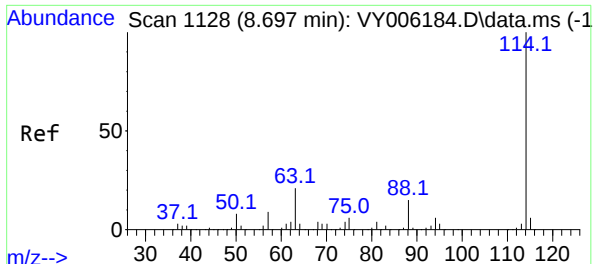
Tgt Ion: 56 Resp: 2561
Ion Ratio Lower Upper
56 100
69 148.4 26.7 40.1#
84 95.0 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 65.338 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

Tgt Ion: 65 Resp: 78559
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.4

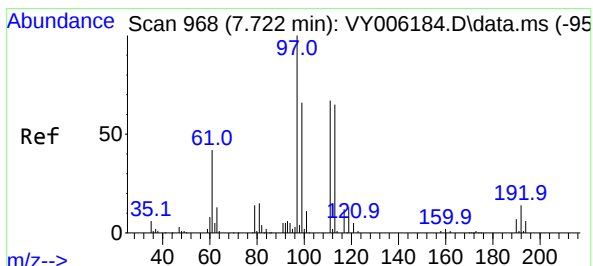
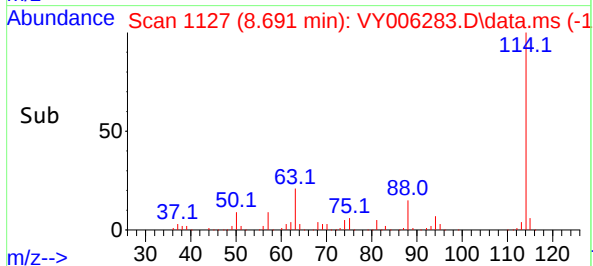
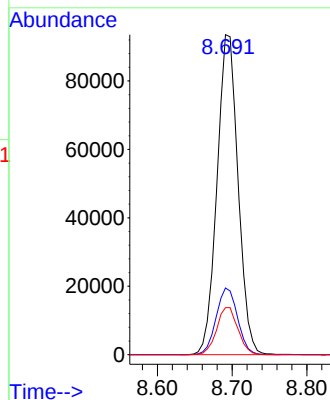
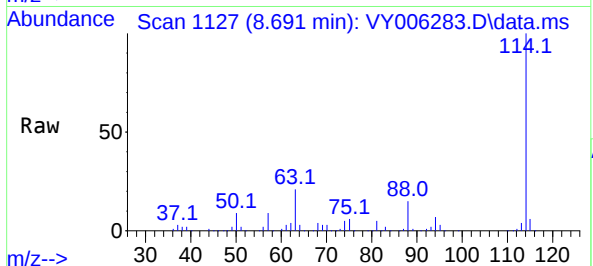




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

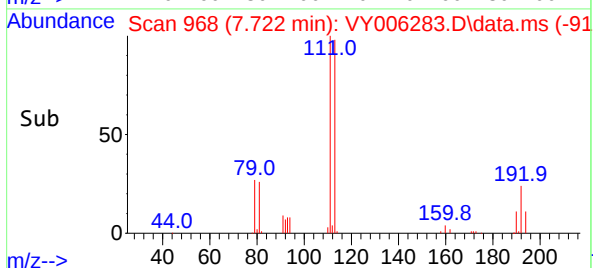
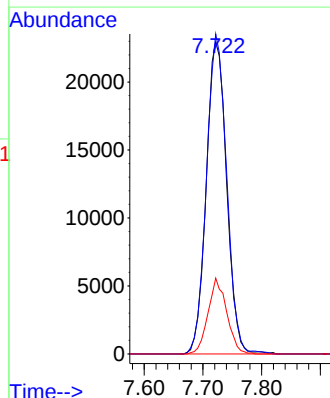
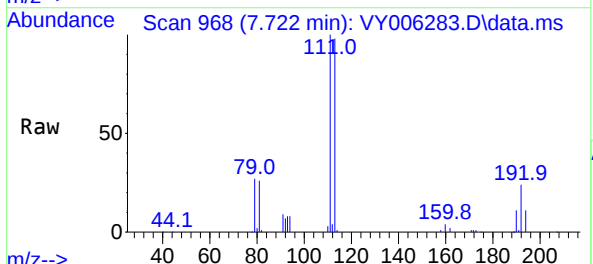
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE-PENINSULA-1B-7

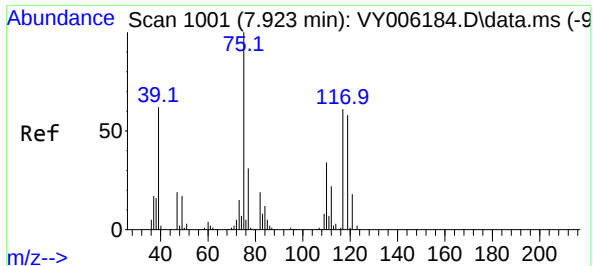
Tgt Ion:114 Resp: 183292
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.2
88 14.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 56.628 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

Tgt Ion:113 Resp: 55453
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 22.2 17.6 26.4



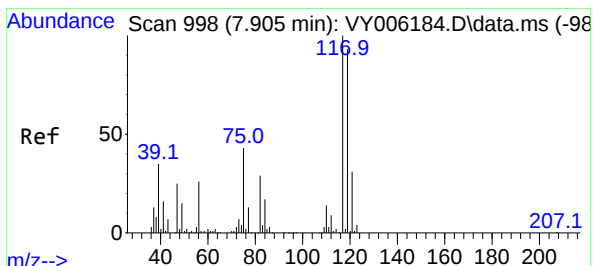
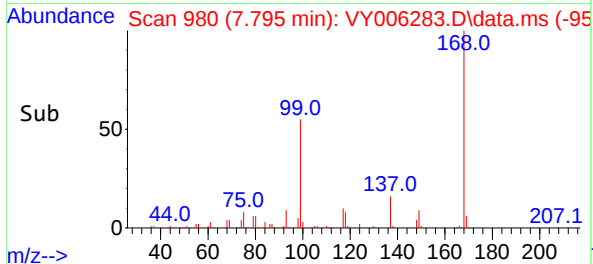
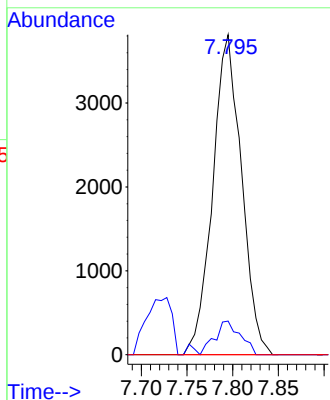
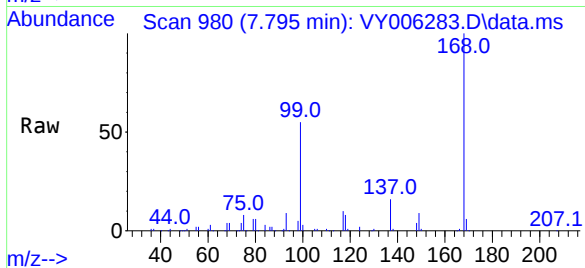


#36

1,1-Dichloropropene
Concen: 4.579 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE-PENINSULA-1B-7

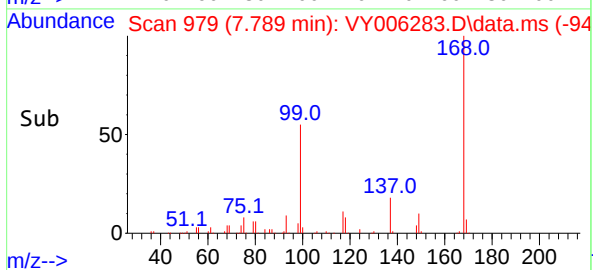
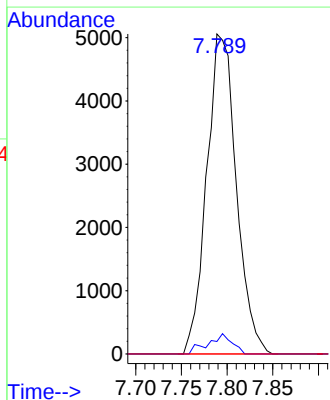
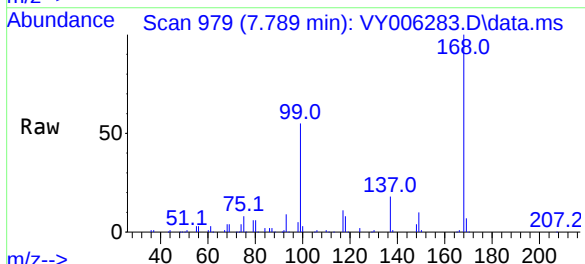
Tgt Ion: 75 Resp: 8350
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#

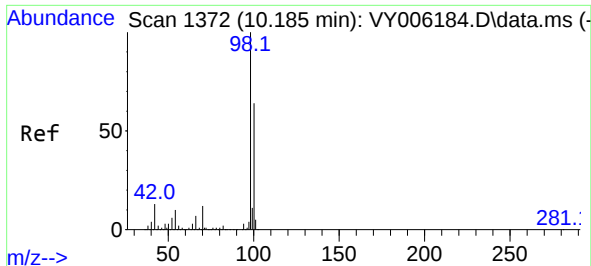


#38

Carbon Tetrachloride
Concen: 5.919 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

Tgt Ion: 117 Resp: 11399
Ion Ratio Lower Upper
117 100
119 3.9 77.9 116.9#
121 0.0 24.8 37.2#

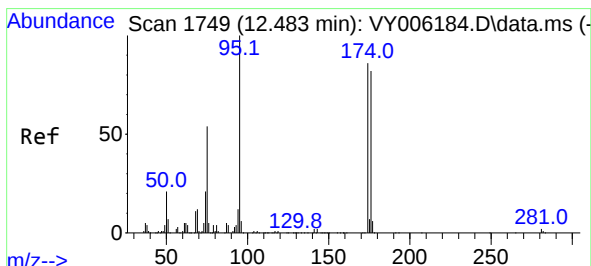
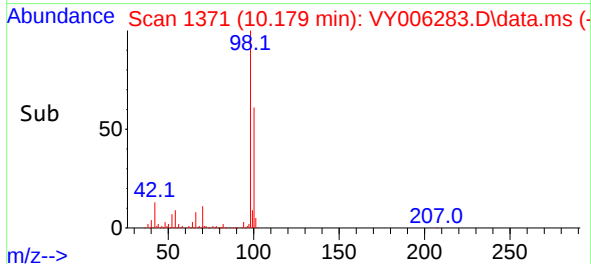
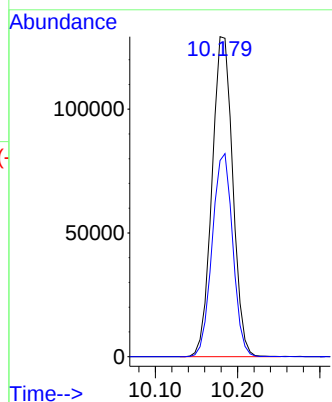
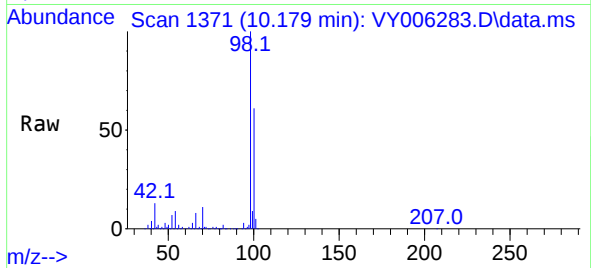




#50
Toluene-d8
Concen: 55.314 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

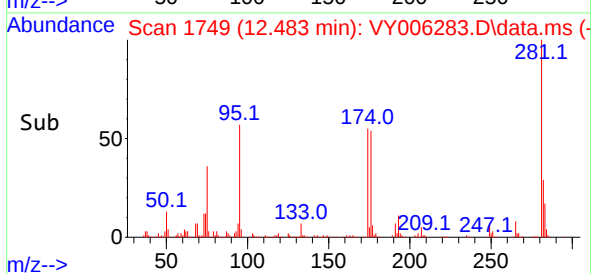
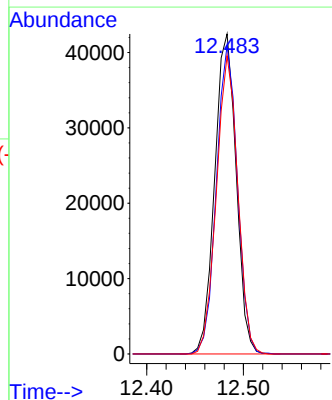
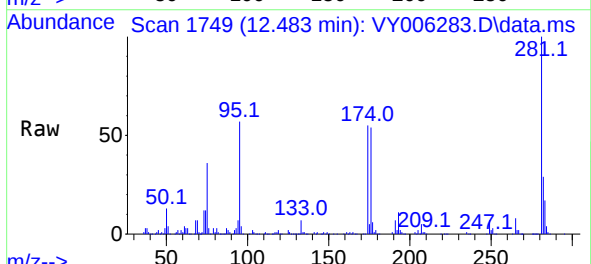
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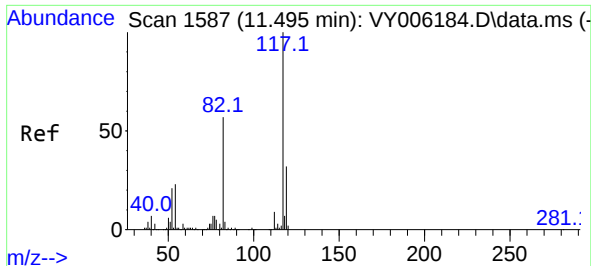
Tgt Ion: 98 Resp: 226698
Ion Ratio Lower Upper
98 100
100 62.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.994 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

Tgt Ion: 95 Resp: 65428
Ion Ratio Lower Upper
95 100
174 94.3 0.0 177.0
176 92.5 0.0 175.8

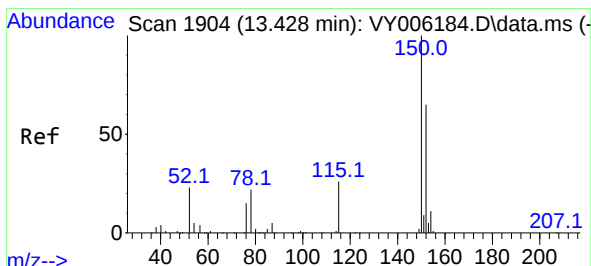
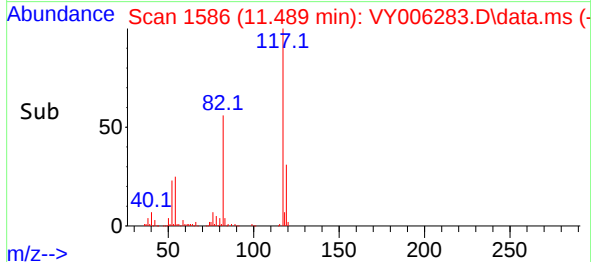
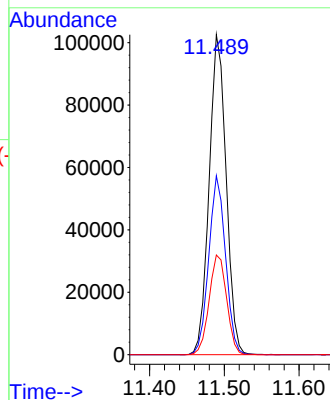
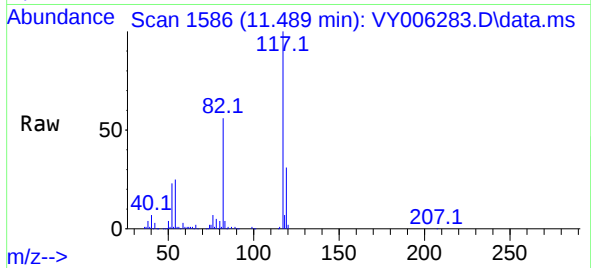




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

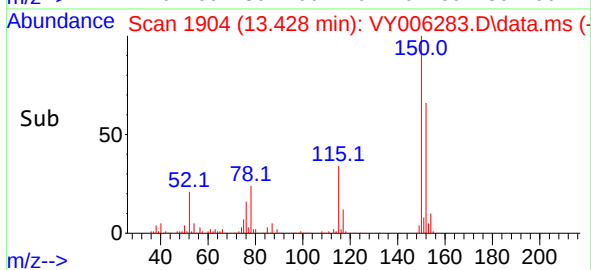
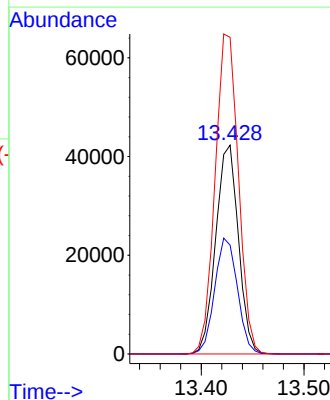
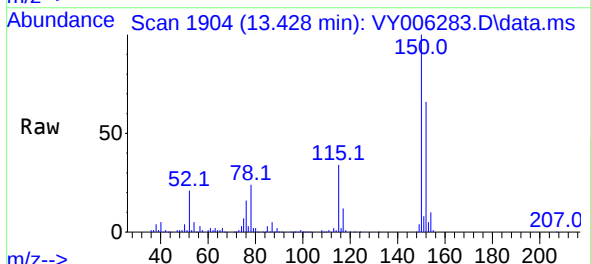
Instrument :
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Tgt Ion:	117	Resp:	161920
Ion	Ratio	Lower	Upper
117	100		
82	55.9	43.0	64.4
119	31.2	25.4	38.0

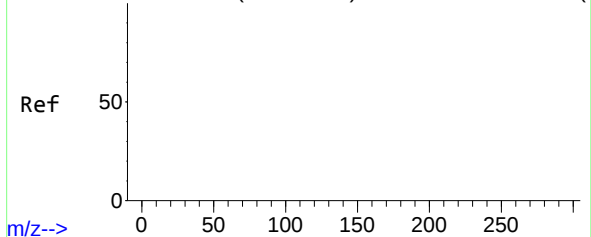


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

Tgt Ion:	152	Resp:	64834
Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.7
150	157.3	0.0	347.6



Abundance Scan 1774 (12.635 min): VY006184.D\data.ms (-

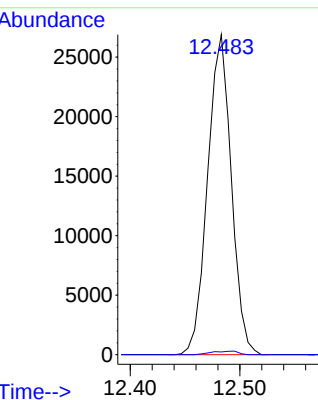
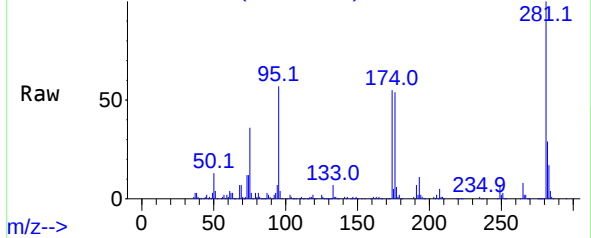


#76
1,2,3-Trichloropropane
Concen: 64.154 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

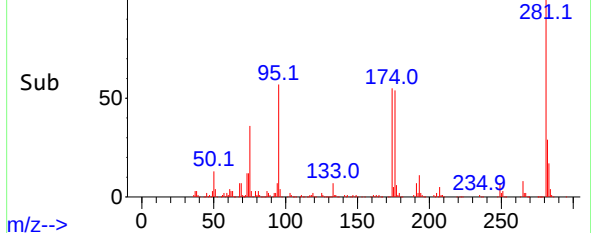
Tgt Ion: 75 Resp: 40427
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE-PENINSULA-1B-7

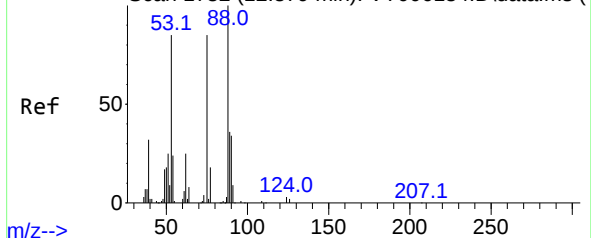
Abundance Scan 1749 (12.483 min): VY006283.D\data.ms



Abundance Scan 1749 (12.483 min): VY006283.D\data.ms (-



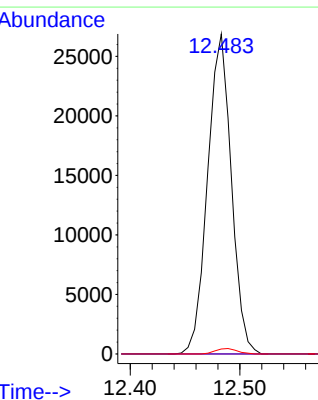
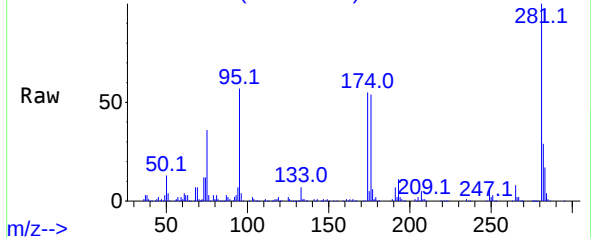
Abundance Scan 1732 (12.379 min): VY006184.D\data.ms (-



#81
trans-1,4-Dichloro-2-butene
Concen: 126.072 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006283.D
Acq: 04 Oct 2021 17:55

Tgt Ion: 75 Resp: 40427
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.6 37.0 55.4#

Abundance Scan 1749 (12.483 min): VY006283.D\data.ms



Abundance Scan 1749 (12.483 min): VY006283.D\data.ms (-

