

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100421\
 Data File : VY006284.D
 Acq On : 04 Oct 2021 18:19
 Operator : SY/MD
 Sample : M4056-10
 Misc : 5.81G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 STOCK-PILE-PENINSULA-1B-8

Quant Time: Oct 05 06:38:23 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)

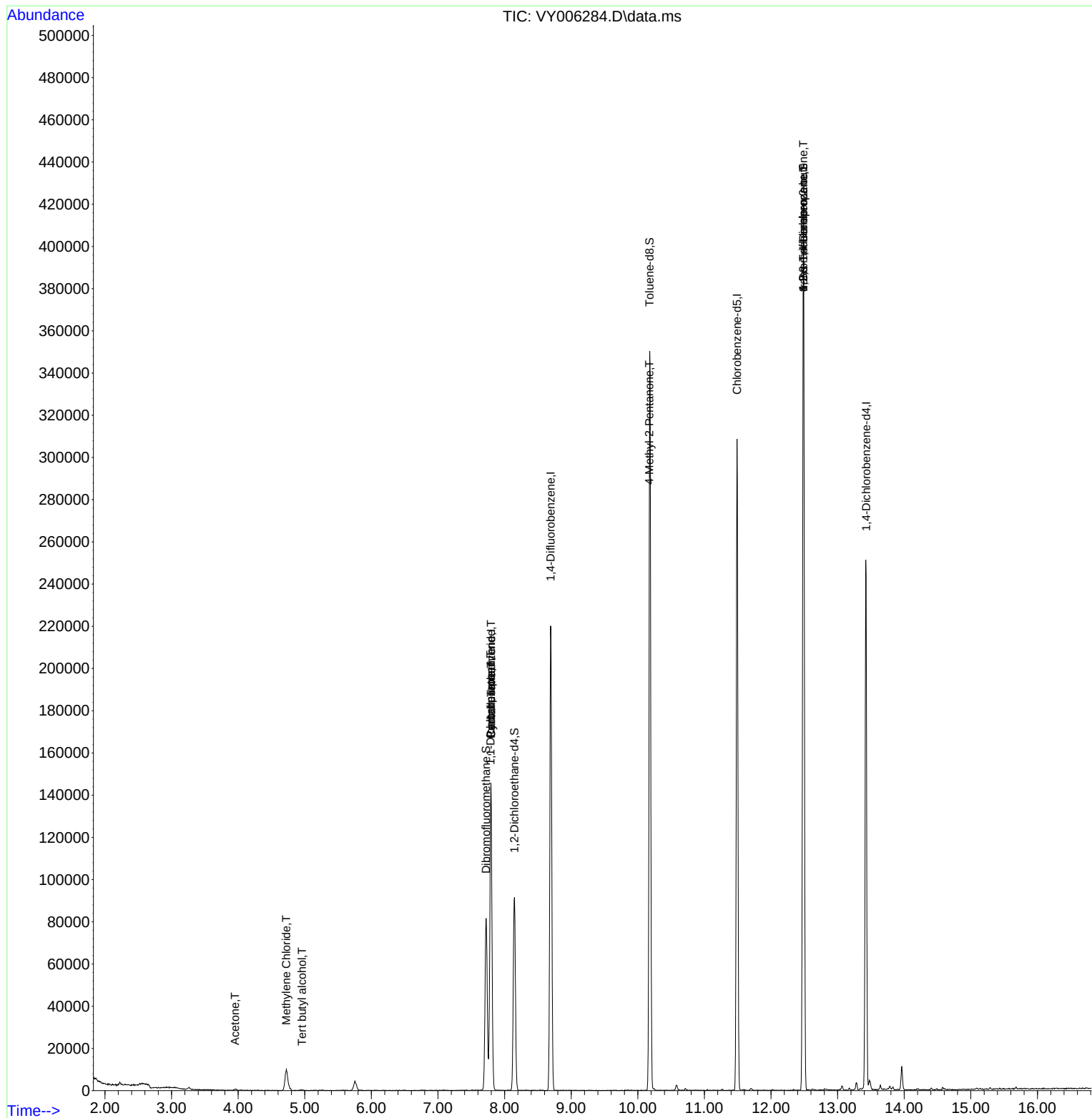
Internal Standards						
1) Pentafluorobenzene	7.795	168	111299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	181612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	161609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	63974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	78967	66.291	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.580%
35) Dibromofluoromethane	7.722	113	54270	55.932	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.860%
50) Toluene-d8	10.179	98	225260	55.472	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.940%
62) 4-Bromofluorobenzene	12.483	95	63558	46.073	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	735	7.054	ug/l #	77
16) Acetone	3.954	43	870	2.615	ug/l #	74
20) Methylene Chloride	4.722	84	6696	2.264	ug/l	90
31) Cyclohexane	7.795	56	2491	1.104	ug/l #	45
36) 1,1-Dichloropropene	7.789	75	8382	4.639	ug/l #	51
38) Carbon Tetrachloride	7.795	117	11104	5.820	ug/l #	15
51) 4-Methyl-2-Pentanone	10.173	43	1153	1.100	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	38900	62.561	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	38900	122.941	ug/l #	8

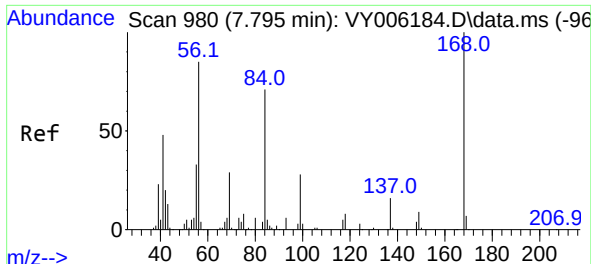
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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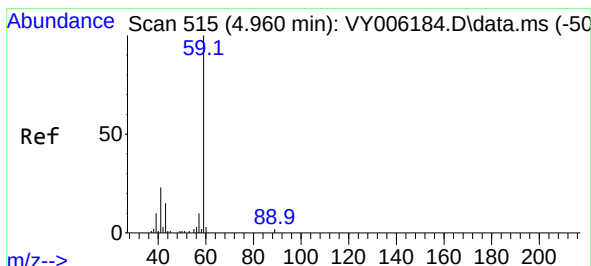
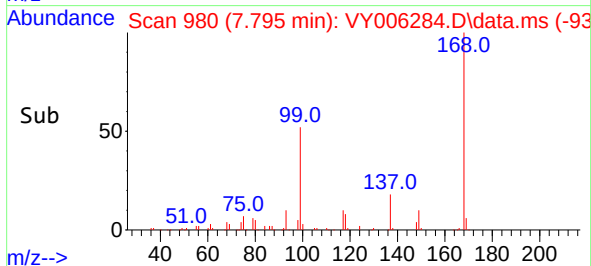
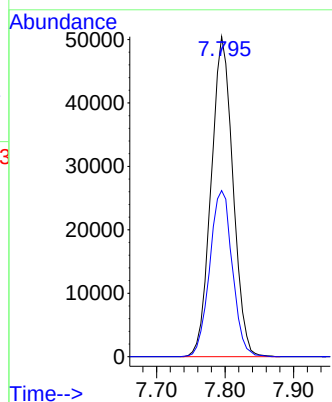
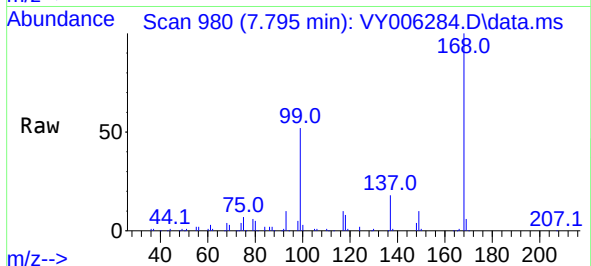




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

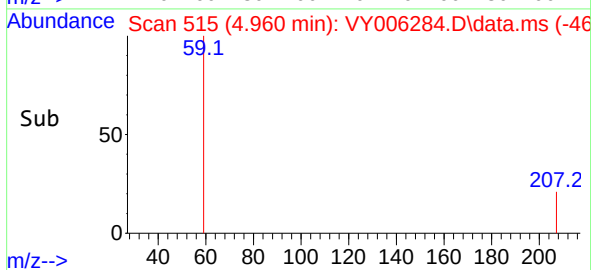
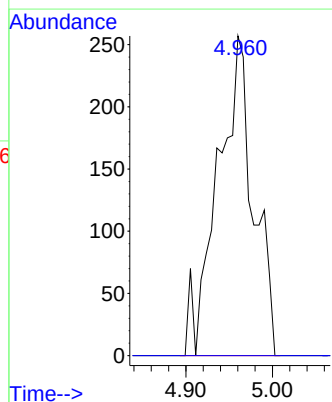
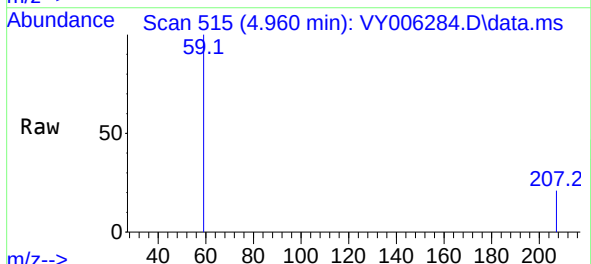
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STOCK-PILE-PENINSULA-1B-8

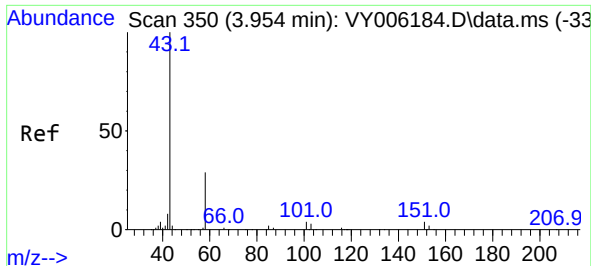
Tgt Ion:168 Resp: 111299
Ion Ratio Lower Upper
168 100
99 51.9 46.9 70.3



#11
Tert butyl alcohol
Concen: 7.054 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

Tgt Ion: 59 Resp: 735
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

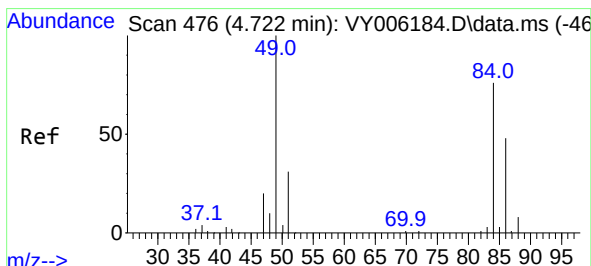
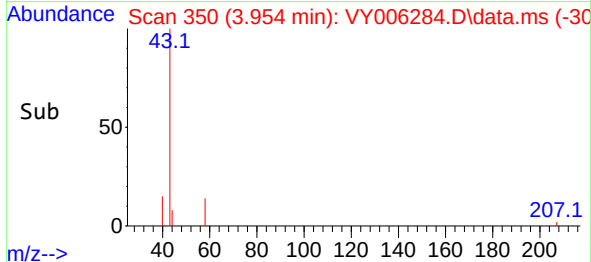
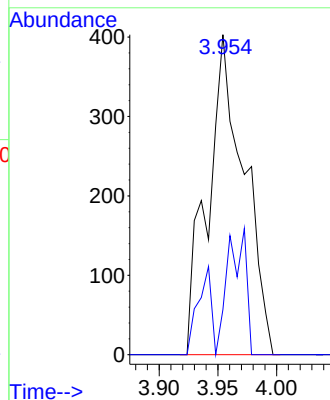
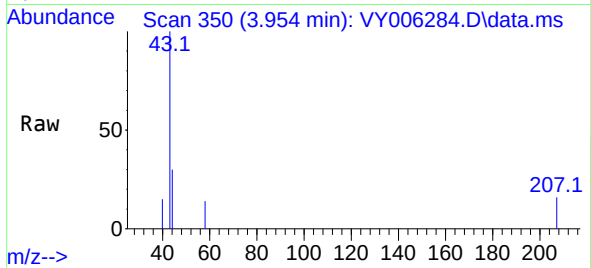




#16
Acetone
Concen: 2.615 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

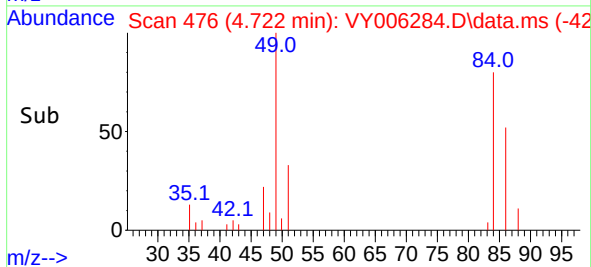
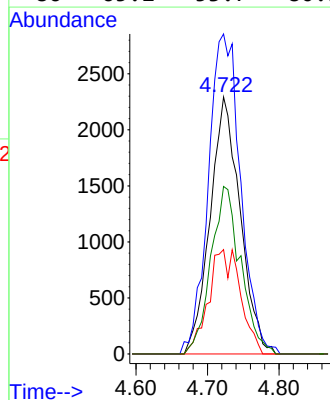
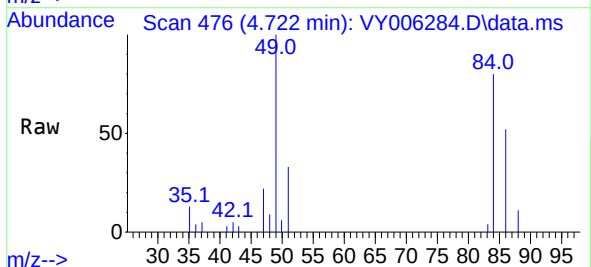
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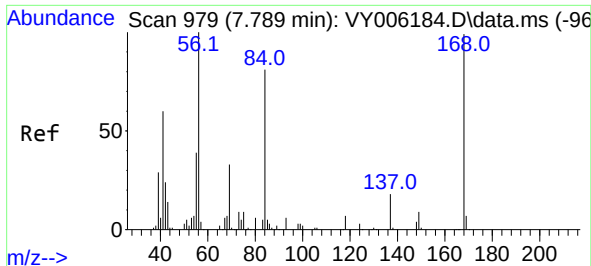
Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
58 14.1 22.0 33.0#



#20
Methylene Chloride
Concen: 2.264 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

Tgt Ion: 84 Resp: 6696
Ion Ratio Lower Upper
84 100
49 124.5 114.4 171.6
51 40.6 35.3 52.9
86 65.2 53.7 80.5

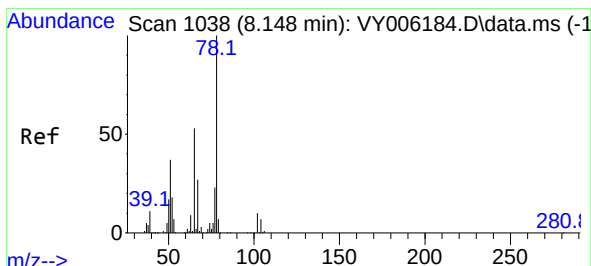
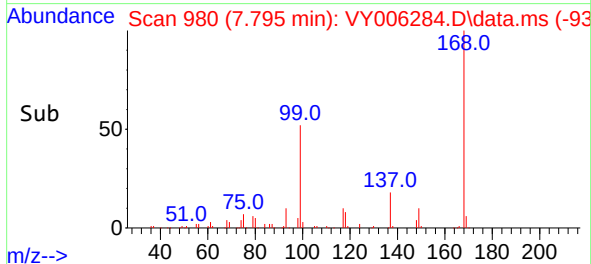
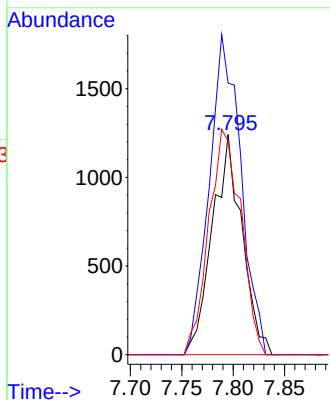
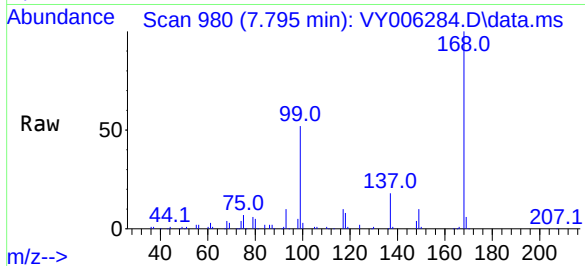




#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

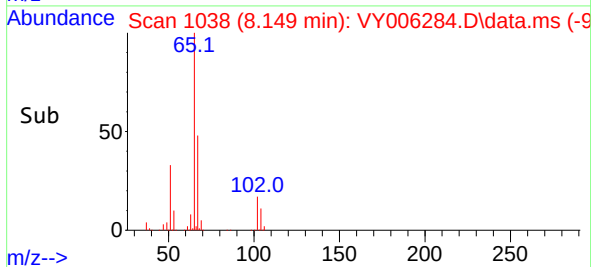
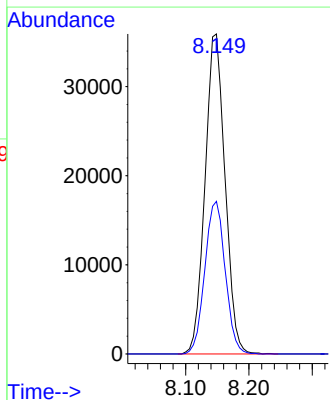
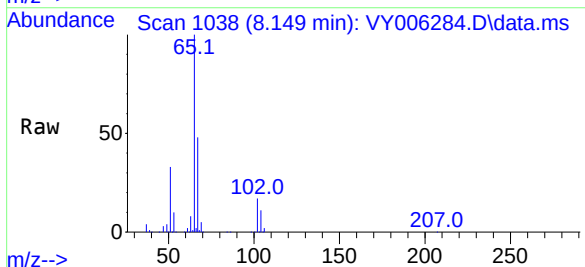
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE-PENINSULA-1B-8

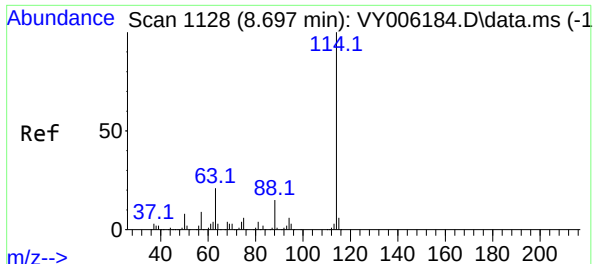
Tgt Ion: 56 Resp: 2491
Ion Ratio Lower Upper
56 100
69 123.3 26.7 40.1#
84 97.0 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 66.291 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

Tgt Ion: 65 Resp: 78967
Ion Ratio Lower Upper
65 100
67 48.5 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: VY006284.D

Acq: 04 Oct 2021 18:19

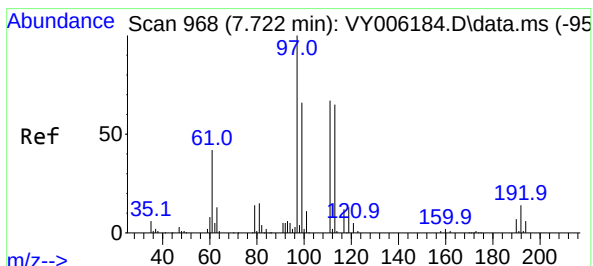
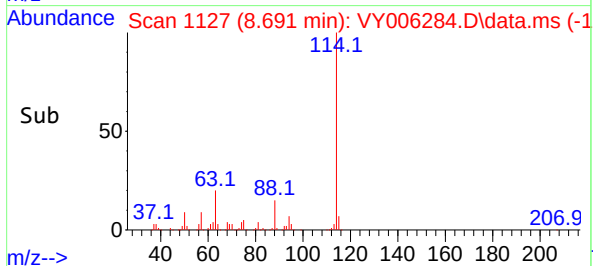
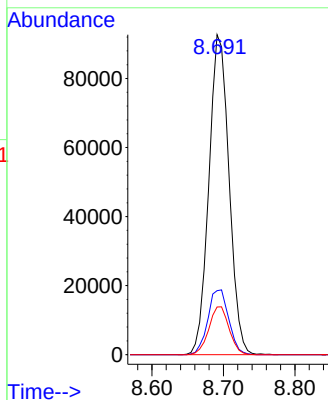
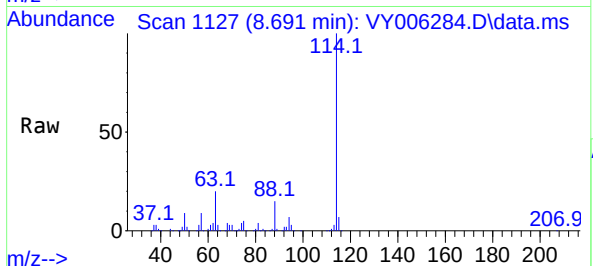
Tgt Ion:	114	Resp:	181612
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.2
88	14.9	0.0	31.8

Instrument :

MSVOA_Y

ClientSampleId :

STOCK-PILE-PENINSULA-1B-8



#35

Dibromofluoromethane

Concen: 55.932 ug/l

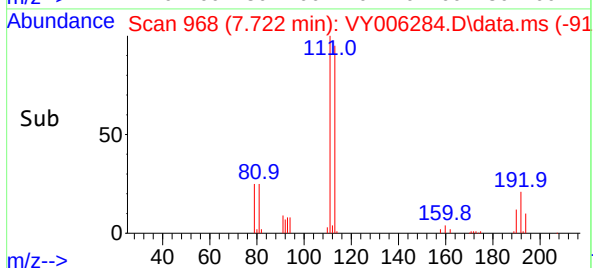
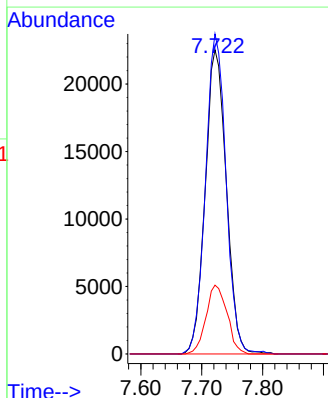
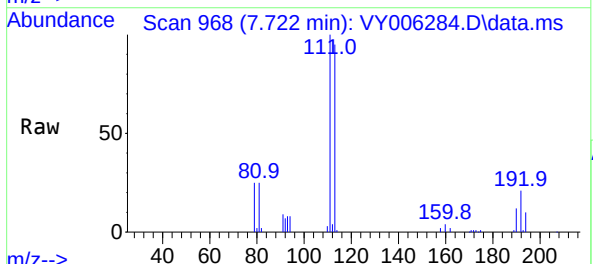
RT: 7.722 min Scan# 968

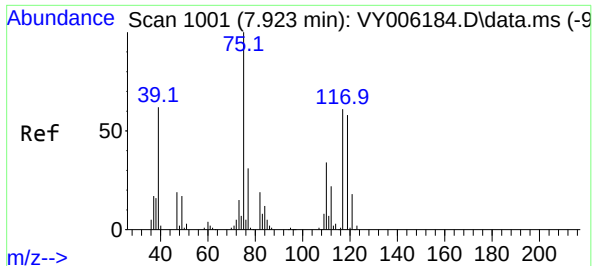
Delta R.T. 0.000 min

Lab File: VY006284.D

Acq: 04 Oct 2021 18:19

Tgt Ion:	113	Resp:	54270
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	124.0
192	22.6	17.6	26.4

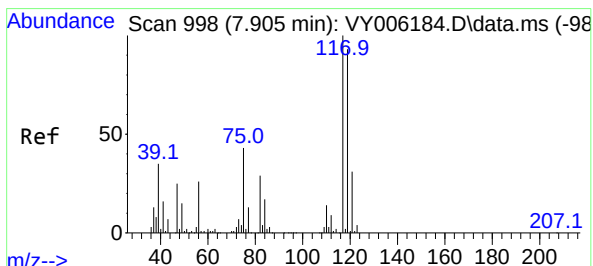
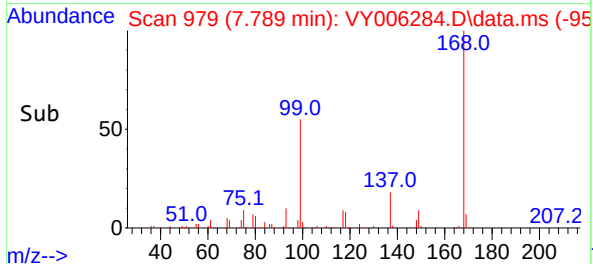
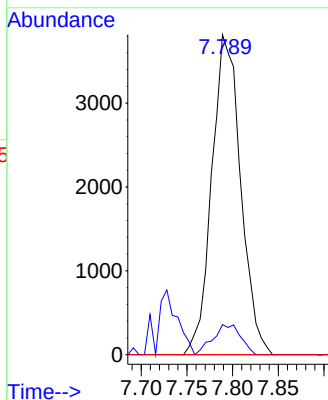
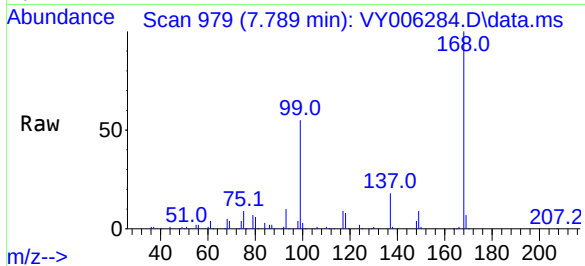




#36
1,1-Dichloropropene
Concen: 4.639 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

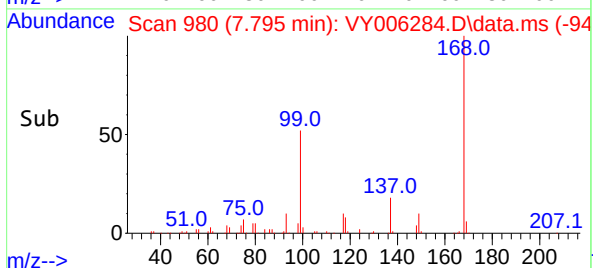
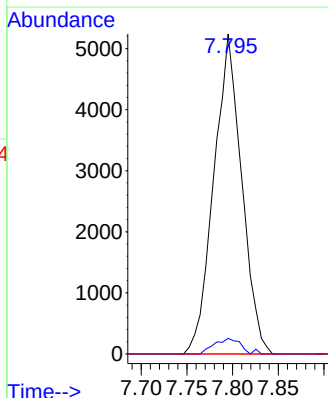
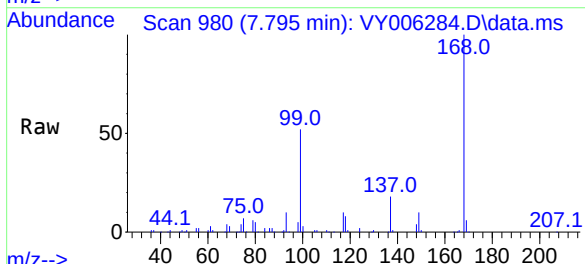
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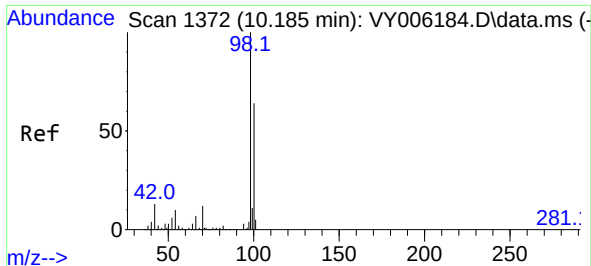
Tgt Ion:	75	Resp:	8382
Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.1	51.2#
77	0.0	24.4	36.6#



#38
Carbon Tetrachloride
Concen: 5.820 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

Tgt Ion:	117	Resp:	11104
Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.9	116.9#
121	0.0	24.8	37.2#

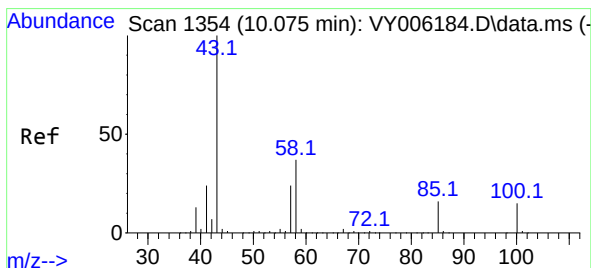
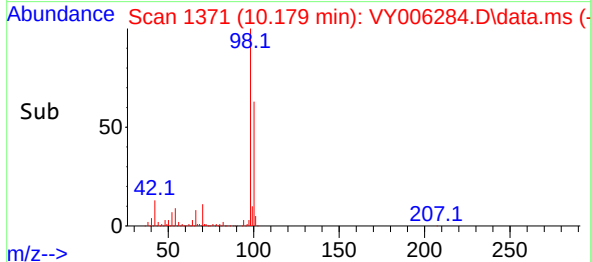
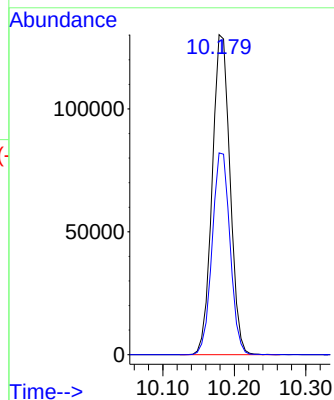
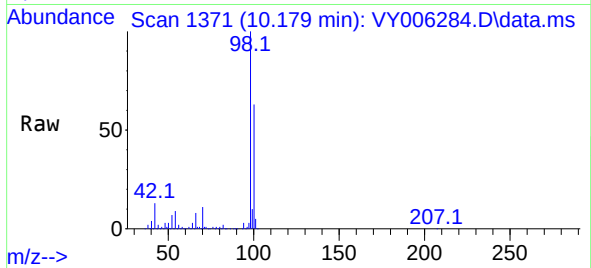




#50
Toluene-d8
Concen: 55.472 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

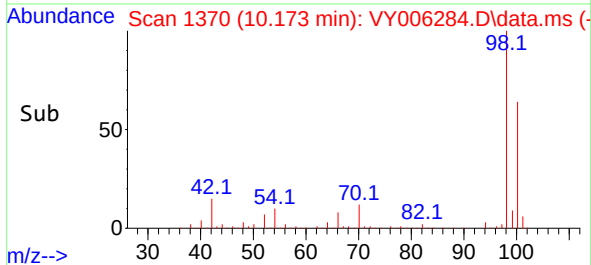
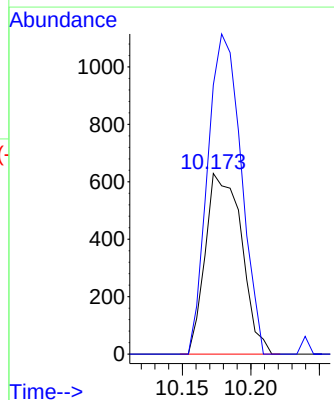
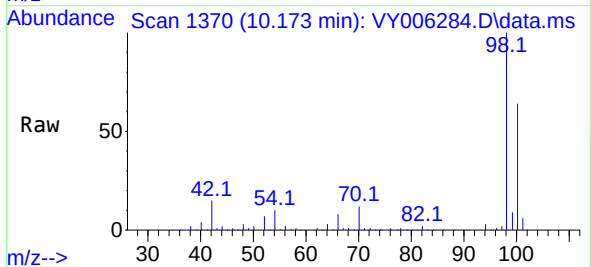
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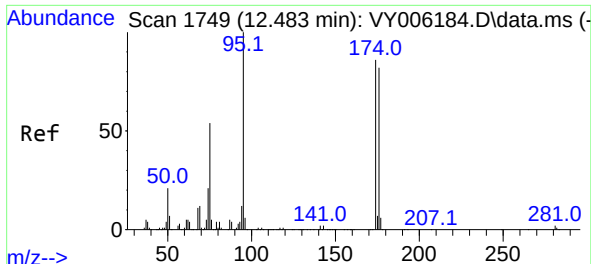
Tgt Ion: 98 Resp: 225260
Ion Ratio Lower Upper
98 100
100 63.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.100 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.098 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
58 164.6 28.1 42.1#

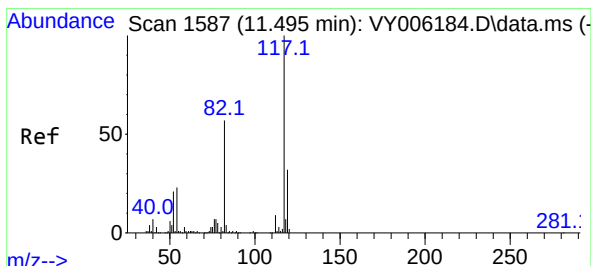
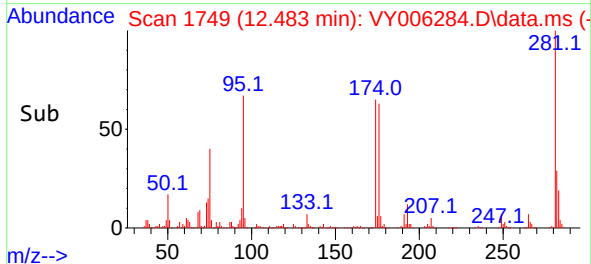
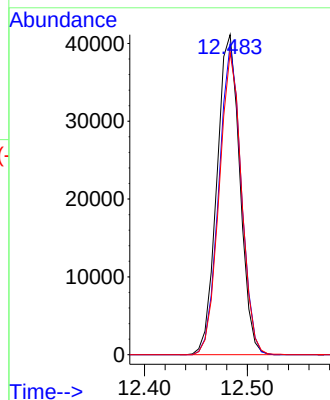
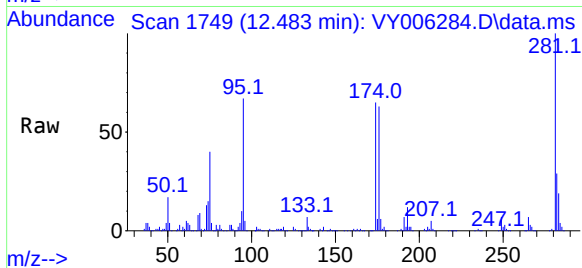




#62
4-Bromofluorobenzene
Concen: 46.073 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

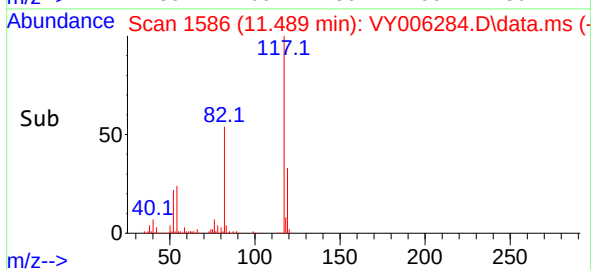
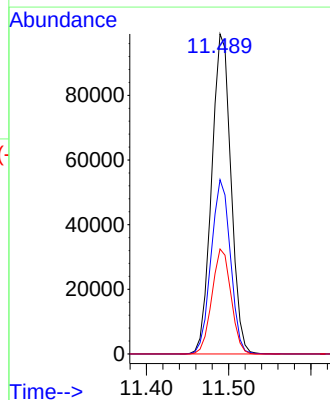
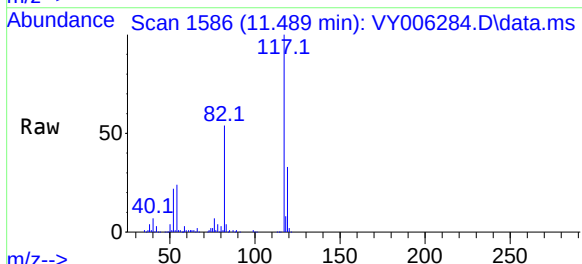
Instrument :
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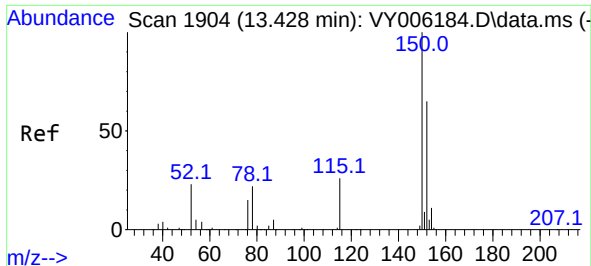
Tgt Ion:	95	Resp:	63558
Ion Ratio	Lower	Upper	
95	100		
174	94.0	0.0	177.0
176	91.6	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

Tgt Ion:	117	Resp:	161609
Ion Ratio	Lower	Upper	
117	100		
82	54.5	43.0	64.4
119	32.8	25.4	38.0

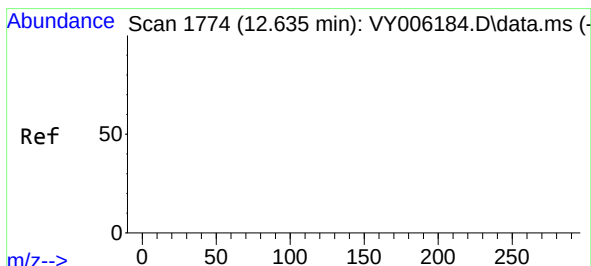
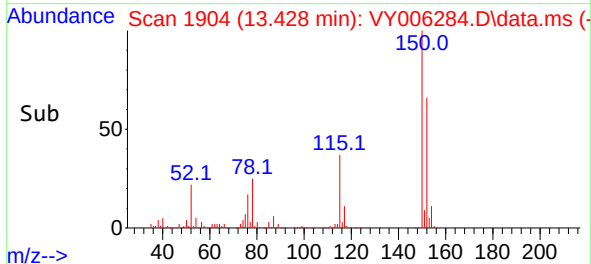
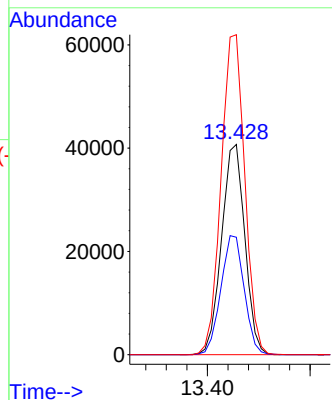
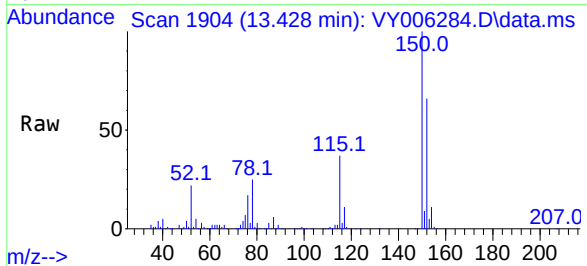




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

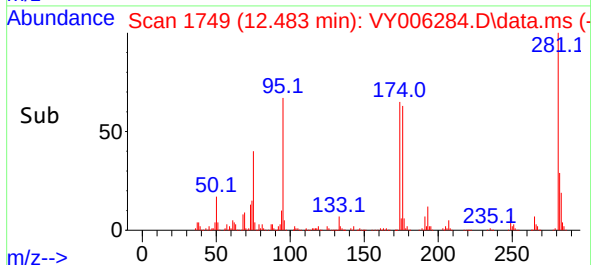
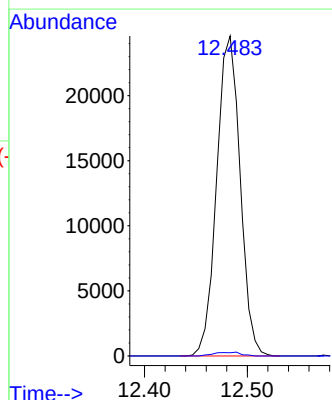
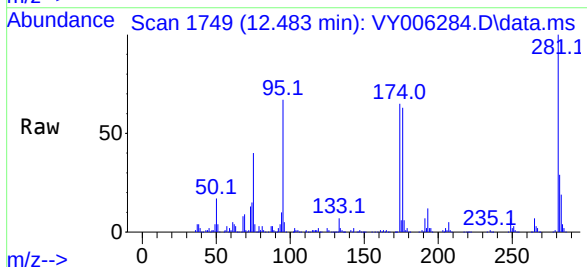
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE-PENINSULA-1B-8

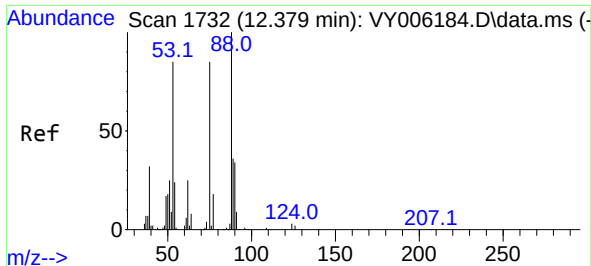
Tgt Ion:152 Resp: 63974
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 154.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 62.561 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

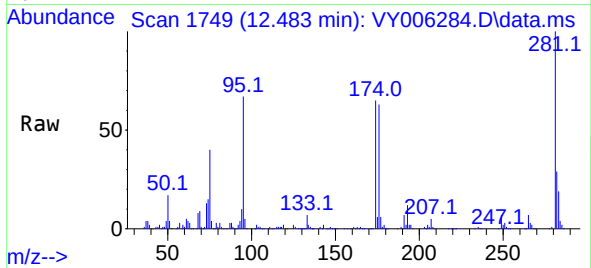
Tgt Ion: 75 Resp: 38900
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 122.941 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006284.D
Acq: 04 Oct 2021 18:19

Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE-PENINSULA-1B-8



Tgt Ion: 75 Resp: 38900
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.7 37.0 55.4#

