

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031022\
 Data File : VY007838.D
 Acq On : 10 Mar 2022 20:16
 Operator : SY/MD
 Sample : N1867-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-030922

Quant Time: Mar 11 00:00:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

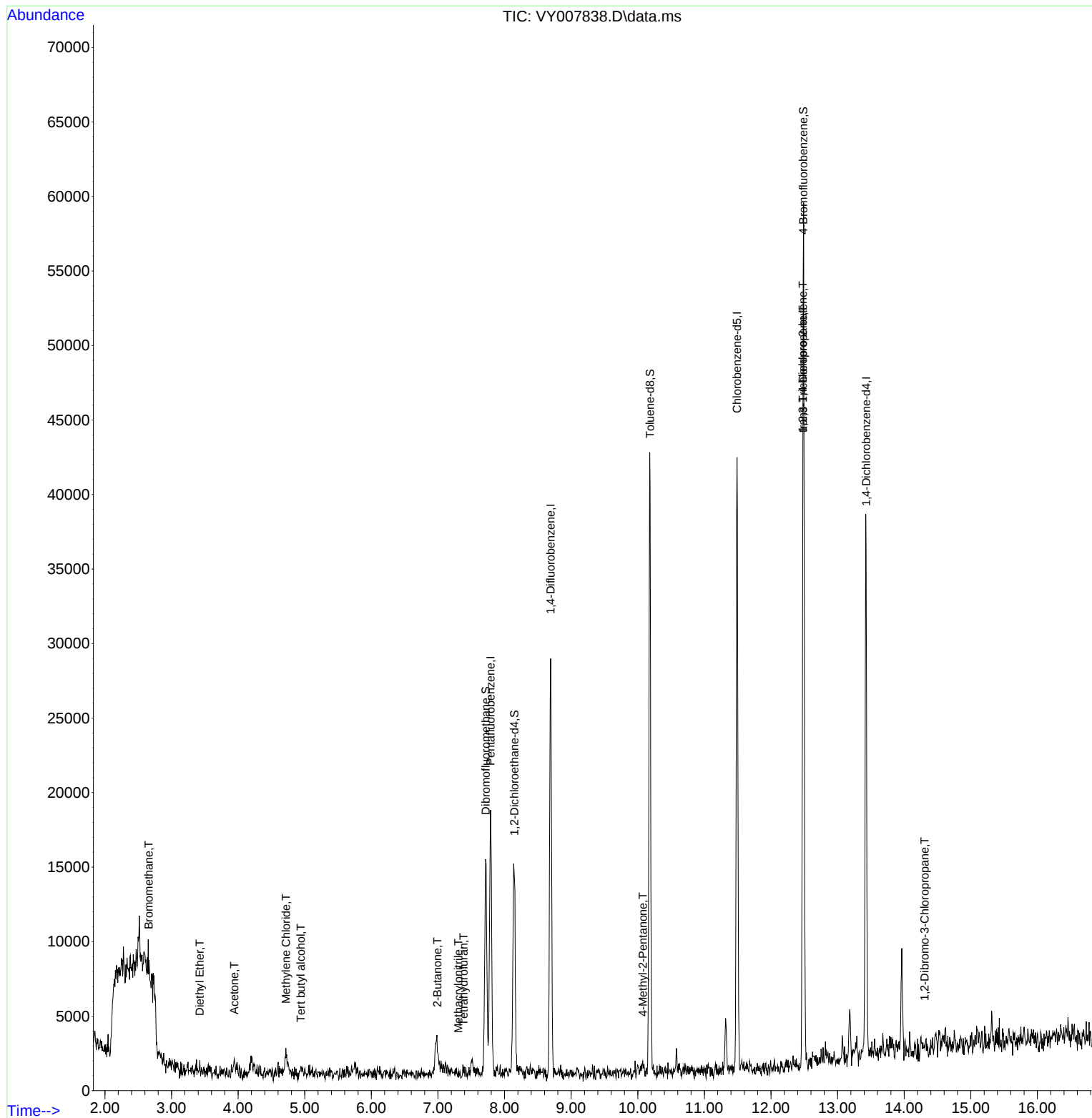
Internal Standards						
1) Pentafluorobenzene	7.789	168	13253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	22672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	21474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	10960	78.993	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 157.980%	
35) Dibromofluoromethane	7.716	113	9100	62.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.560%	
50) Toluene-d8	10.185	98	26736	50.108	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.220%	
62) 4-Bromofluorobenzene	12.483	95	8233	47.869	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.740%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.113	85	55	Below Cal	#	43
3) Chloromethane	2.119	50	541	Below Cal	#	44
5) Bromomethane	2.656	94	349	2.172	ug/l #	63
8) Diethyl Ether	3.424	74	78	1.067	ug/l	93
11) Tert butyl alcohol	4.942	59	153	12.737	ug/l #	77
16) Acetone	3.942	43	1525	54.030	ug/l #	87
18) Methyl Acetate	4.448	43	65	Below Cal	#	56
20) Methylene Chloride	4.716	84	942	2.853	ug/l #	50
25) 2-Butanone	6.990	43	294	6.209	ug/l #	54
29) Tetrahydrofuran	7.387	42	82	2.531	ug/l #	38
31) Cyclohexane	7.789	56	187	Below Cal	#	27
41) Methacrylonitrile	7.307	41	84	1.396	ug/l #	78
51) 4-Methyl-2-Pentanone	10.075	43	401	3.218	ug/l #	52
76) 1,2,3-Trichloropropane	12.477	75	4900	49.815	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4900	101.840	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.306	75	89	4.083	ug/l #	6

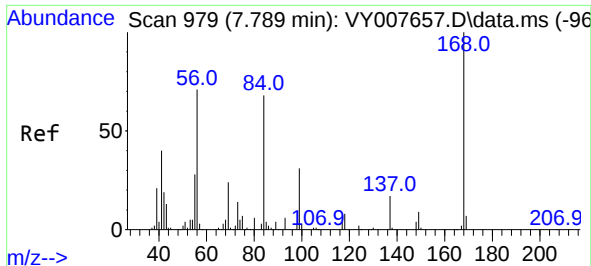
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031022\
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Quant Title : SW846 8260
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Response via : Initial Calibration

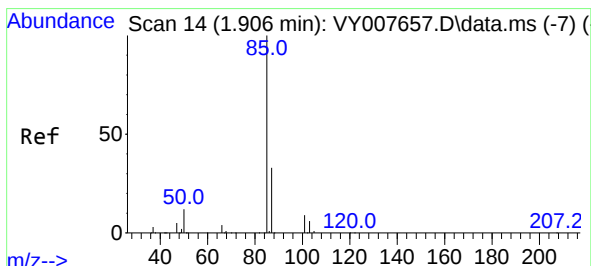
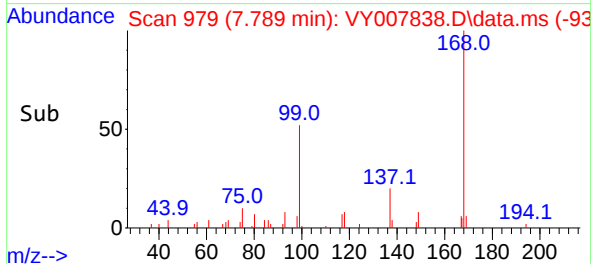
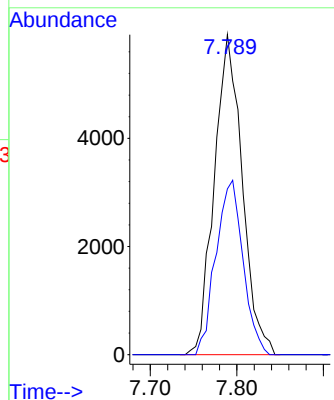
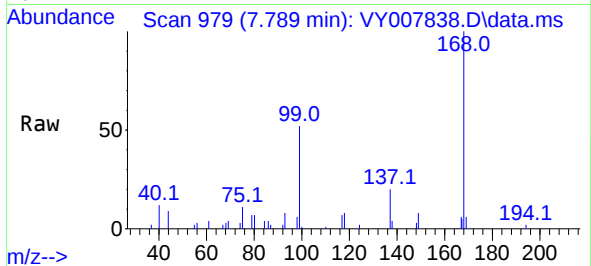




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

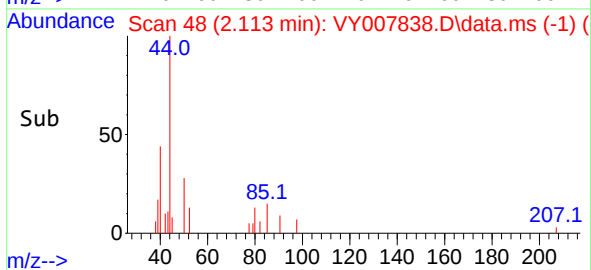
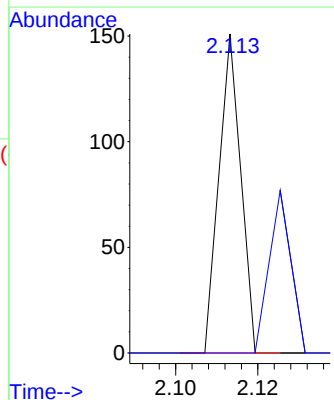
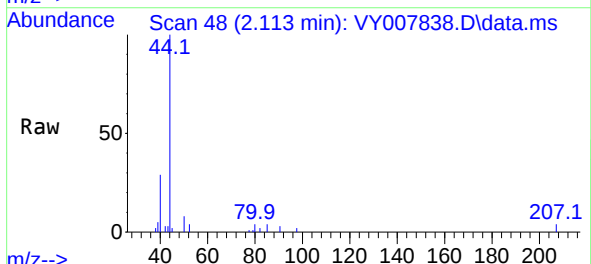
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-030922

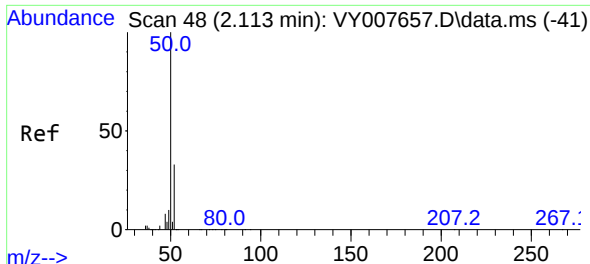
Tgt Ion:168 Resp: 13253
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.207 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion: 85 Resp: 55
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

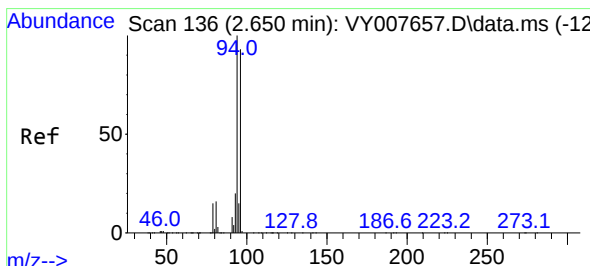
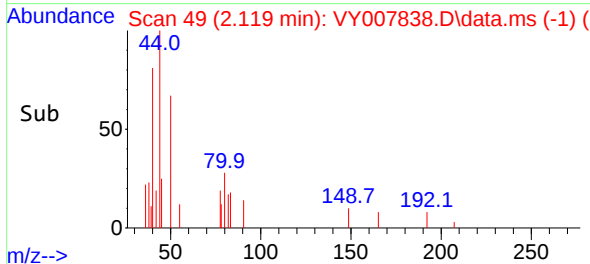
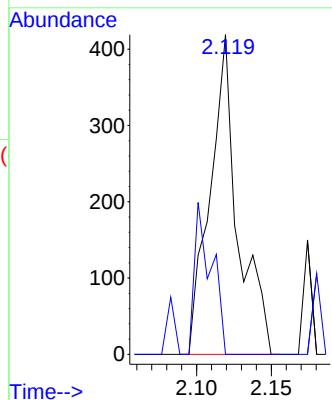
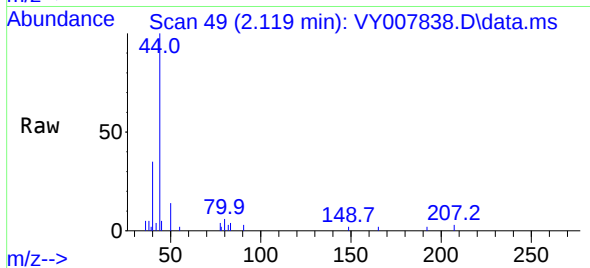




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

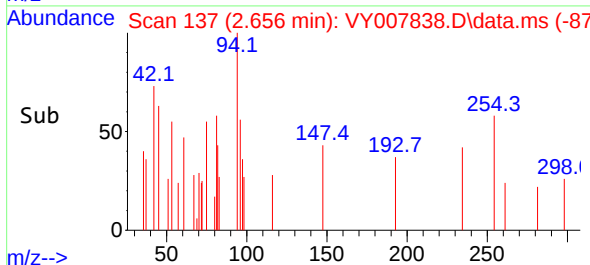
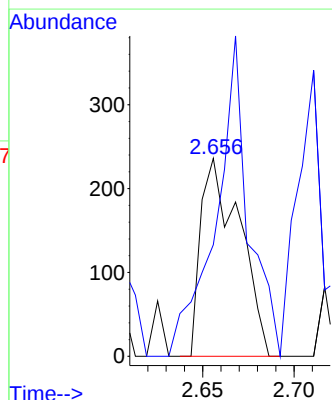
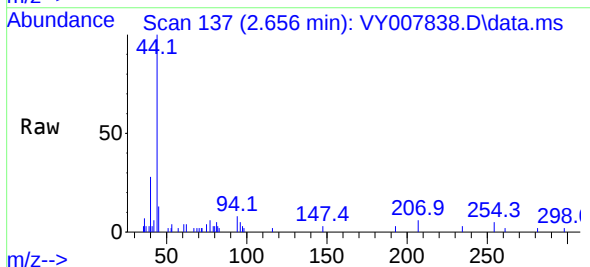
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-030922

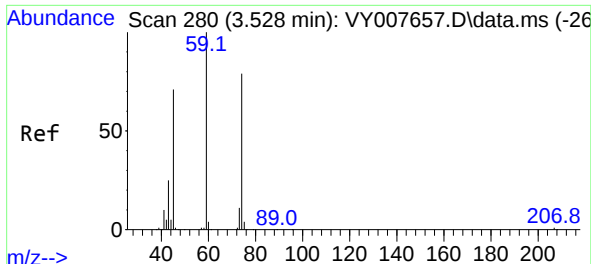
Tgt Ion: 50 Resp: 541
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: 2.172 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion: 94 Resp: 349
Ion Ratio Lower Upper
94 100
96 56.4 73.5 110.3#

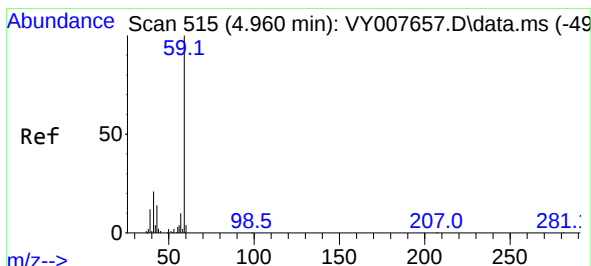
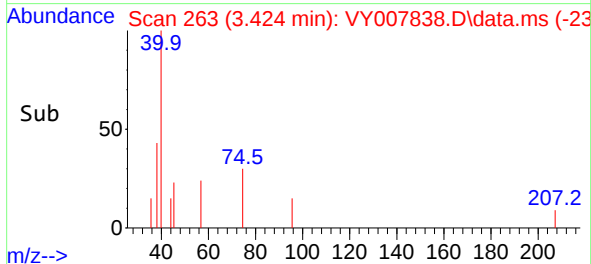
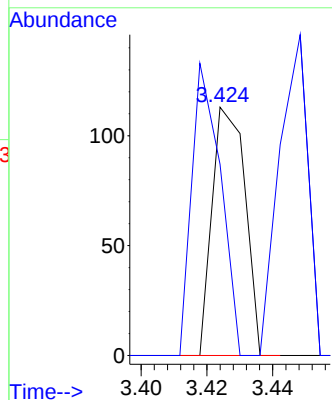
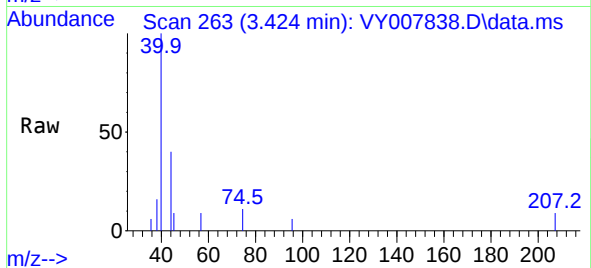




#8
Diethyl Ether
Concen: 1.067 ug/l
RT: 3.424 min Scan# 20
Delta R.T. -0.104 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

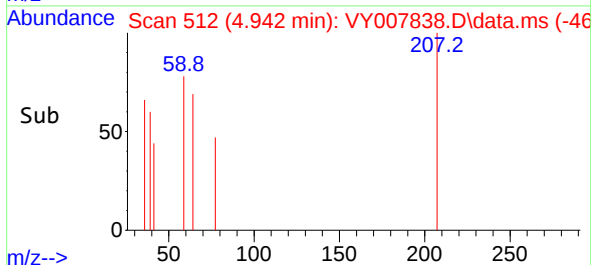
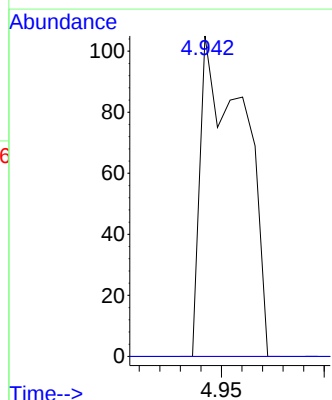
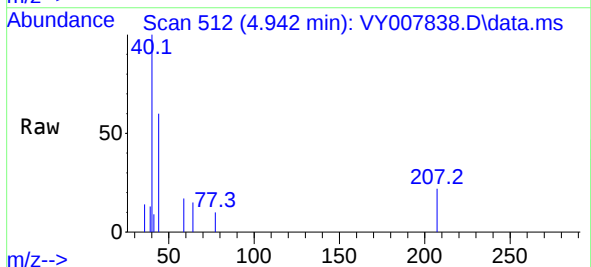
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-030922

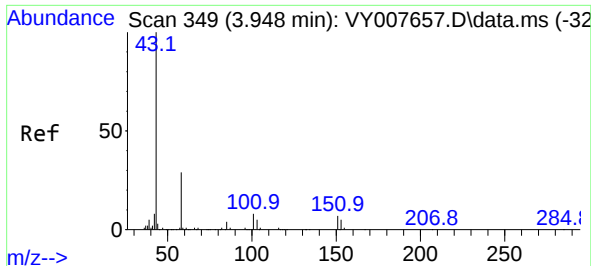
Tgt Ion: 74 Resp: 78
Ion Ratio Lower Upper
74 100
45 102.6 55.1 165.5



#11
Tert butyl alcohol
Concen: 12.737 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

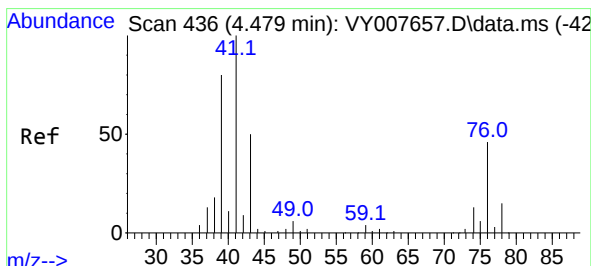
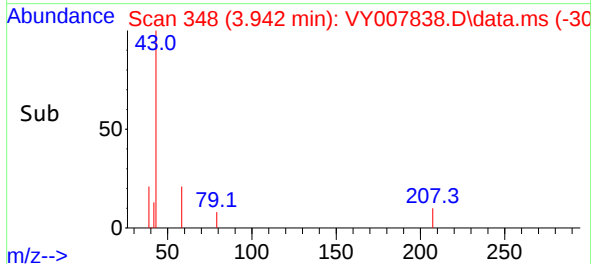
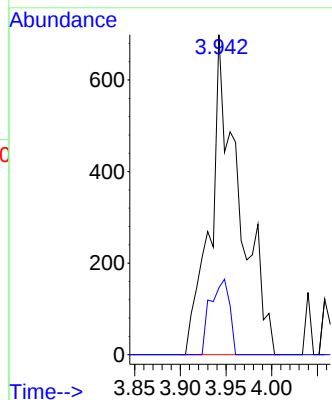
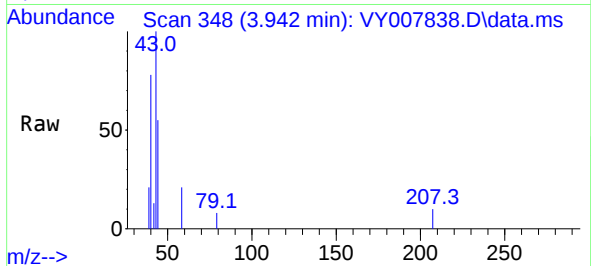




#16
Acetone
Concen: 54.030 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

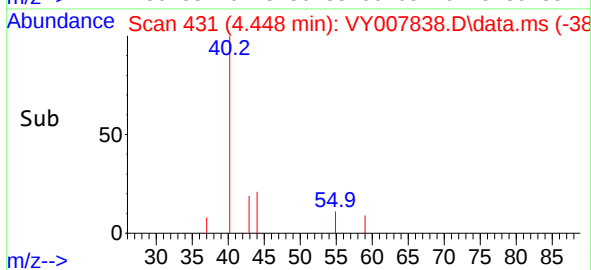
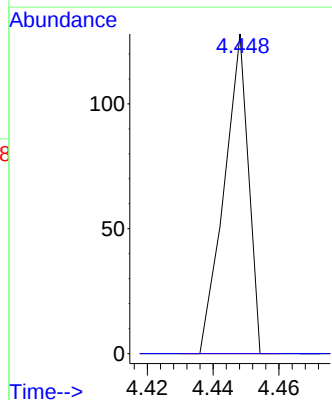
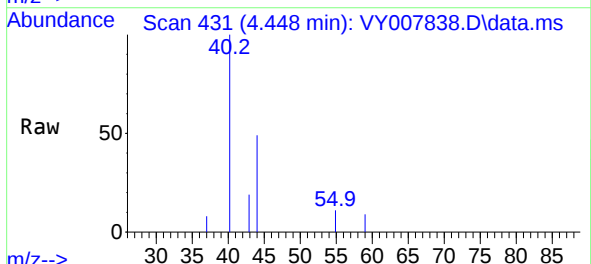
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-030922

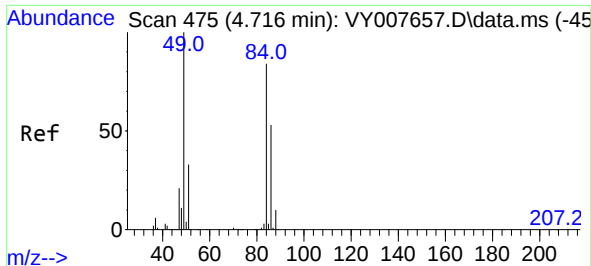
Tgt Ion: 43 Resp: 1525
Ion Ratio Lower Upper
43 100
58 20.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.448 min Scan# 431
Delta R.T. -0.031 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

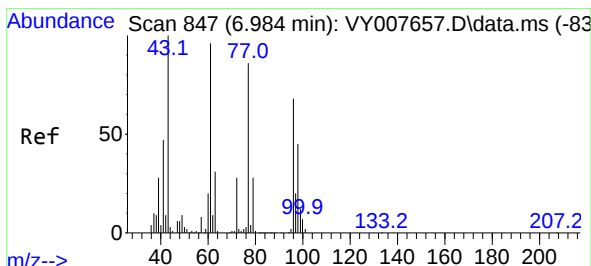
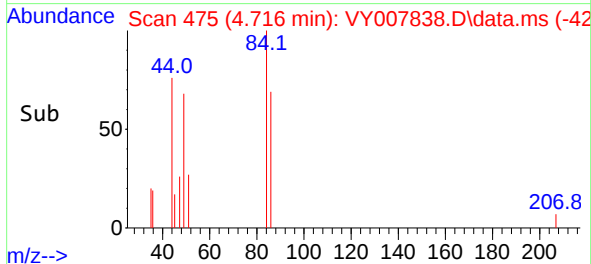
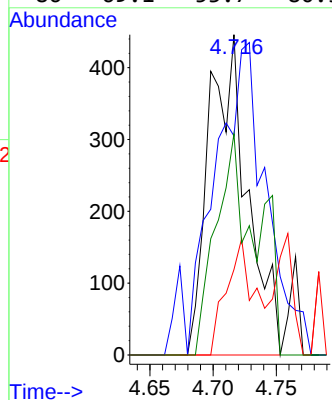
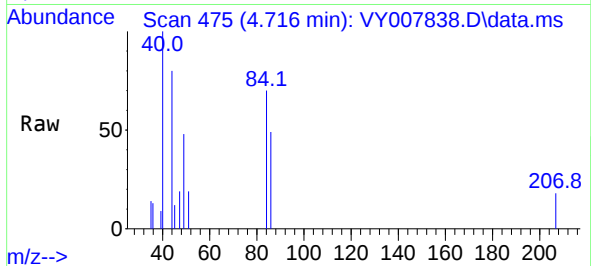




#20
Methylene Chloride
Concen: 2.853 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

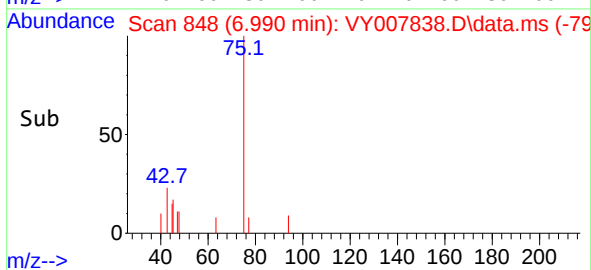
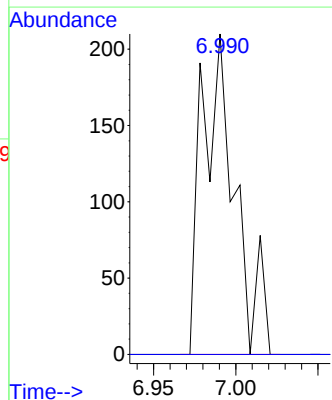
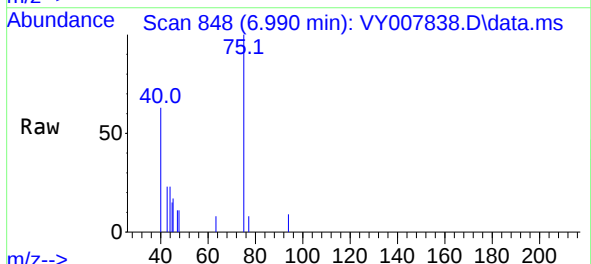
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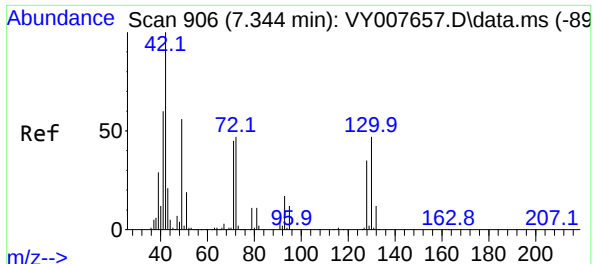
Tgt Ion: 84 Resp: 942
Ion Ratio Lower Upper
84 100
49 43.9 114.4 171.6#
51 26.7 35.3 52.9#
86 69.1 53.7 80.5



#25
2-Butanone
Concen: 6.209 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

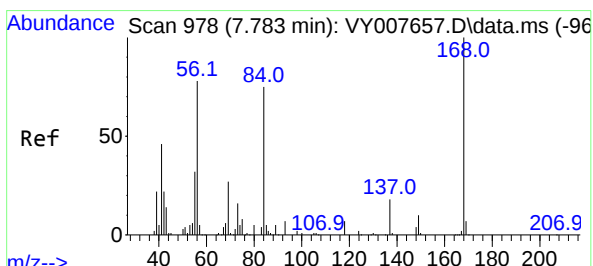
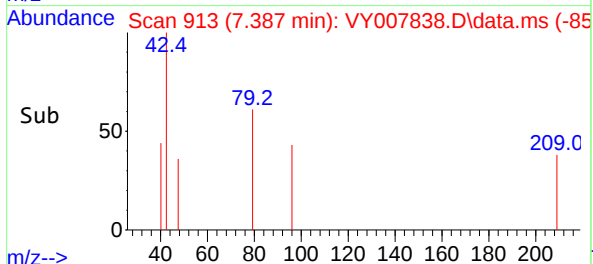
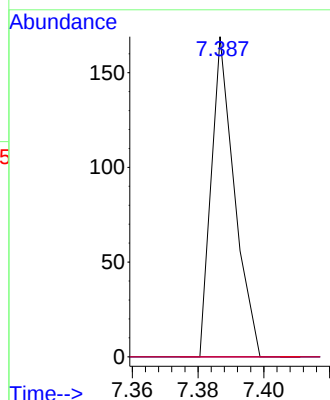
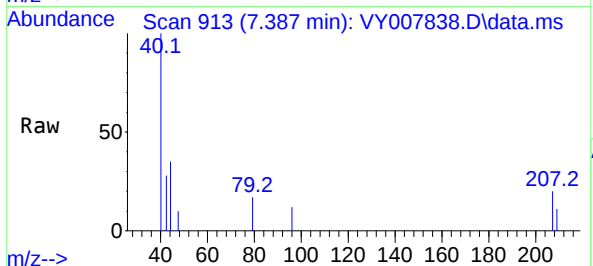




#29
Tetrahydrofuran
Concen: 2.531 ug/l
RT: 7.387 min Scan# 913
Delta R.T. 0.043 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

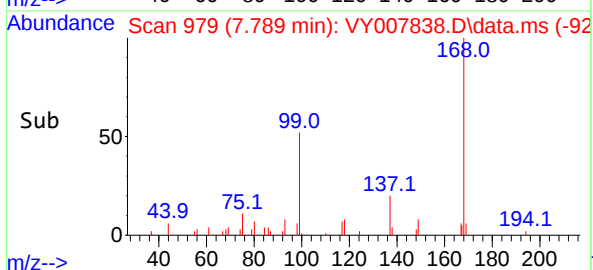
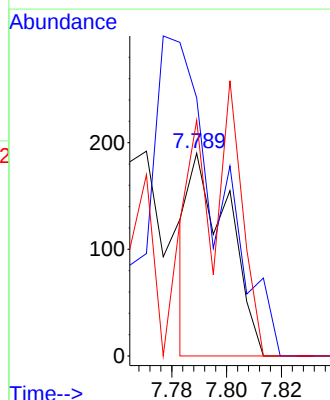
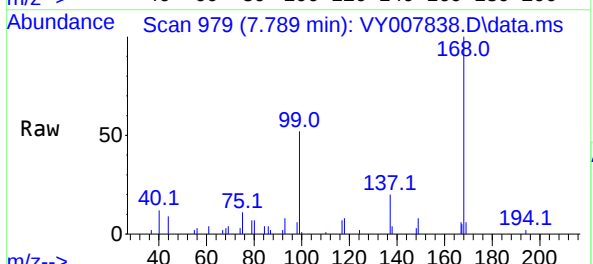
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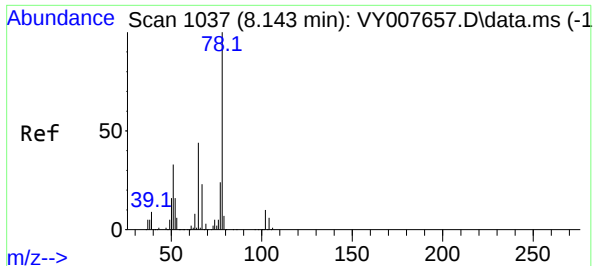
Tgt Ion:	42	Resp:	82
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	29.0	43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion:	56	Resp:	187
Ion	Ratio	Lower	Upper
56	100		
69	127.4	26.7	40.1#
84	116.3	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 78.993 ug/l

RT: 8.149 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY007838.D

Acq: 10 Mar 2022 20:16

Instrument :

MSVOA_Y

ClientSampleId :

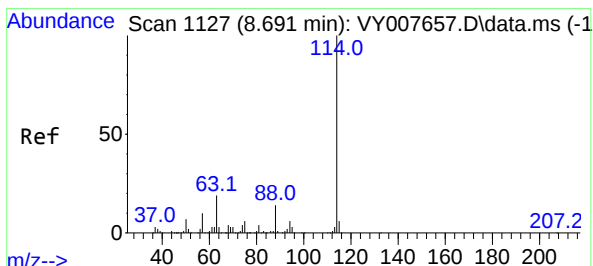
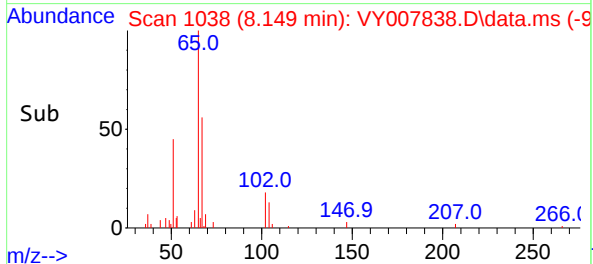
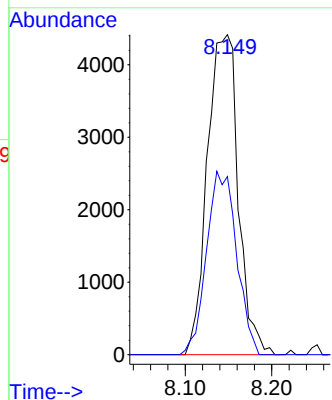
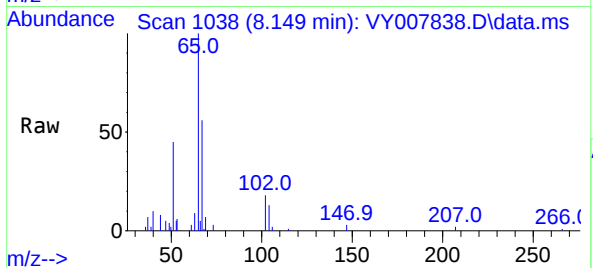
HD-01-030922

Tgt Ion: 65 Resp: 10960

Ion Ratio Lower Upper

65 100

67 55.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007838.D

Acq: 10 Mar 2022 20:16

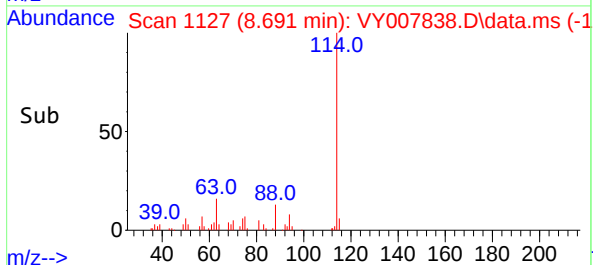
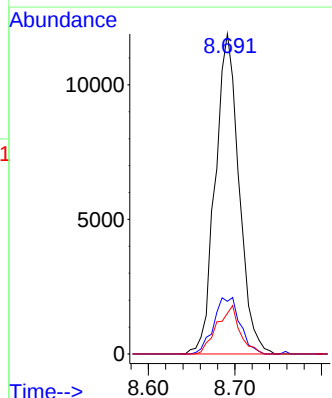
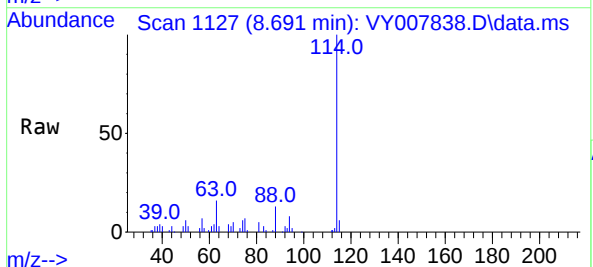
Tgt Ion: 114 Resp: 22672

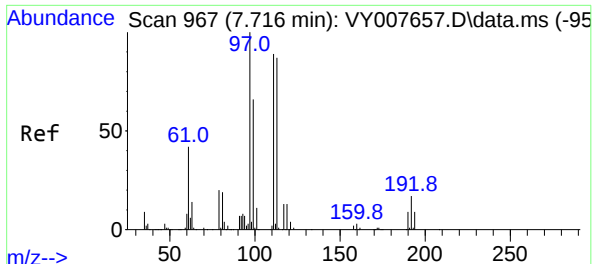
Ion Ratio Lower Upper

114 100

63 16.5 0.0 43.2

88 12.7 0.0 31.8

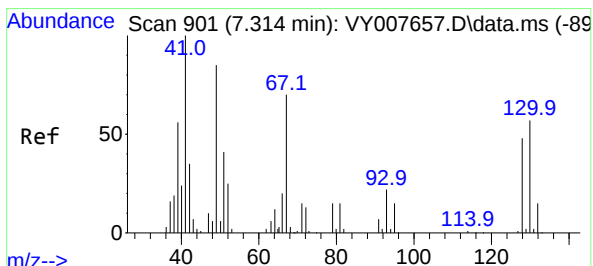
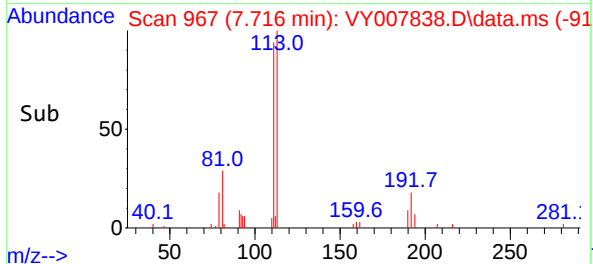
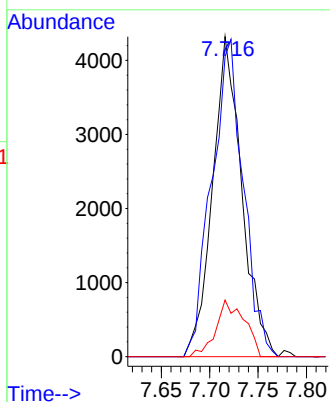
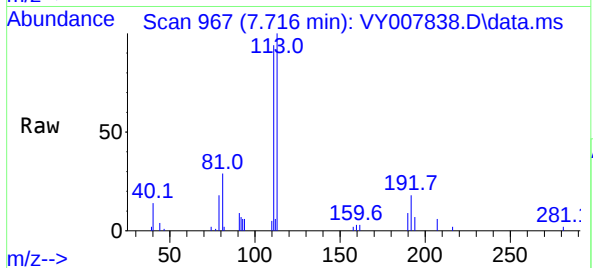




#35
Dibromofluoromethane
Concen: 62.781 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

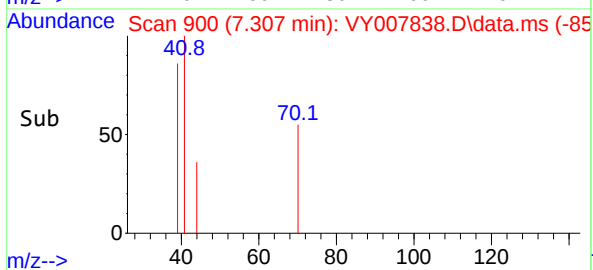
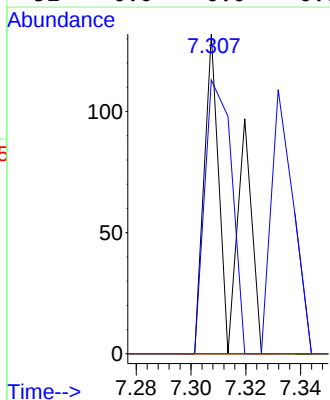
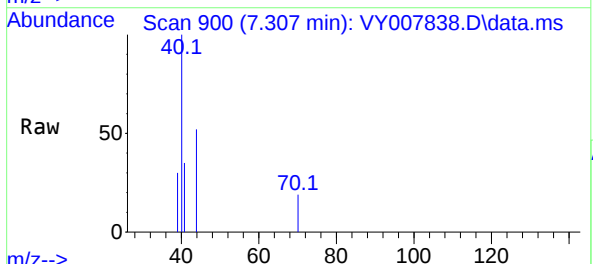
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-030922

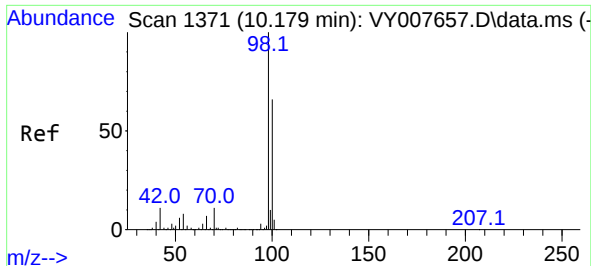
Tgt Ion:113 Resp: 9100
Ion Ratio Lower Upper
113 100
111 106.8 82.6 124.0
192 17.2 17.6 26.4#



#41
Methacrylonitrile
Concen: 1.396 ug/l
RT: 7.307 min Scan# 900
Delta R.T. -0.007 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion: 41 Resp: 84
Ion Ratio Lower Upper
41 100
39 91.7 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

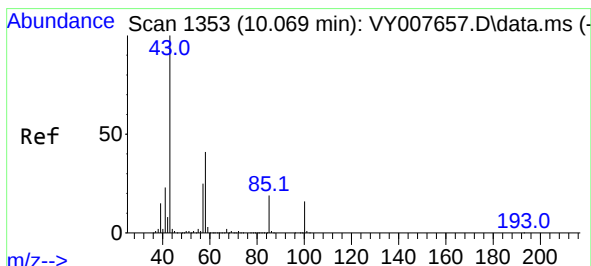
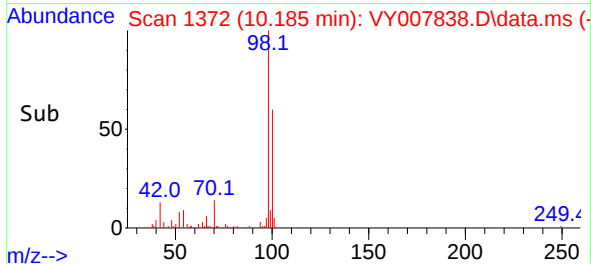
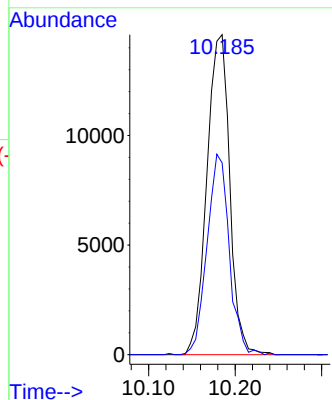
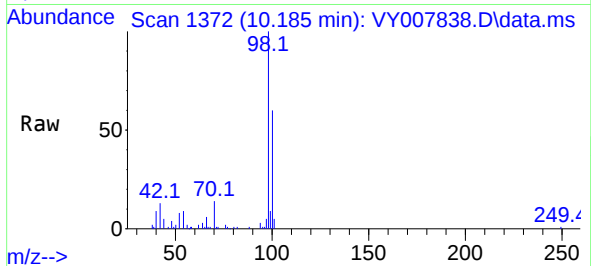




#50
Toluene-d8
Concen: 50.108 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

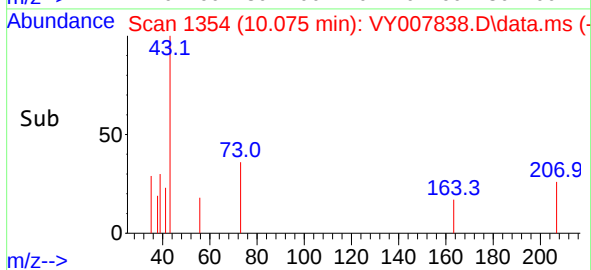
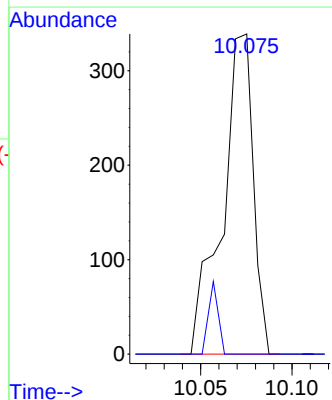
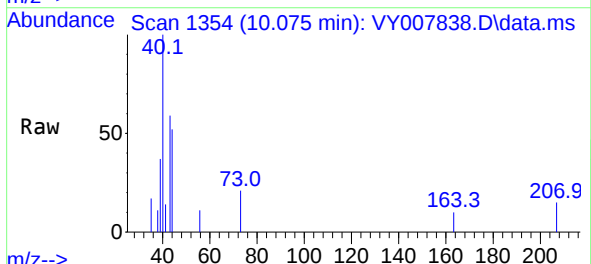
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-030922

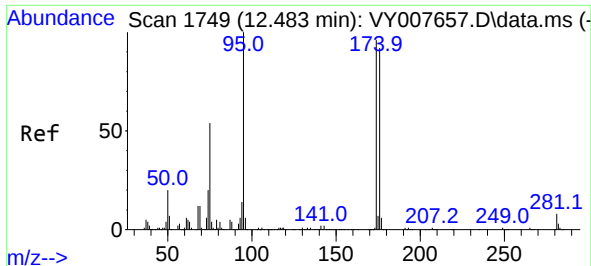
Tgt Ion: 98 Resp: 26736
Ion Ratio Lower Upper
98 100
100 61.0 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 3.218 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion: 43 Resp: 401
Ion Ratio Lower Upper
43 100
58 7.0 28.1 42.1#

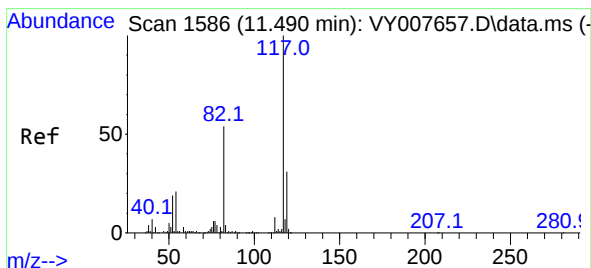
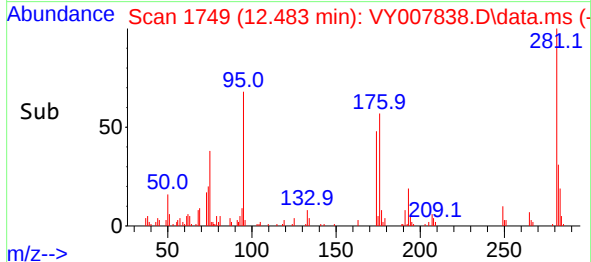
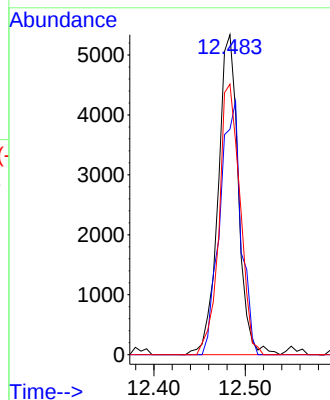
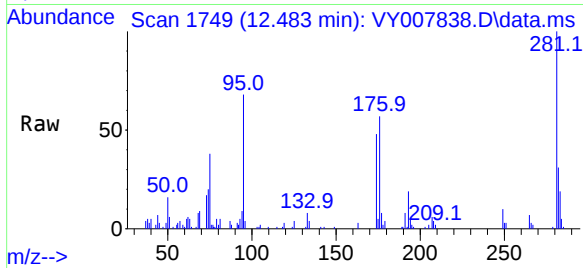




#62
4-Bromofluorobenzene
Concen: 47.869 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

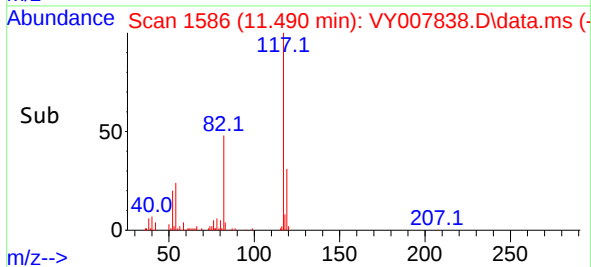
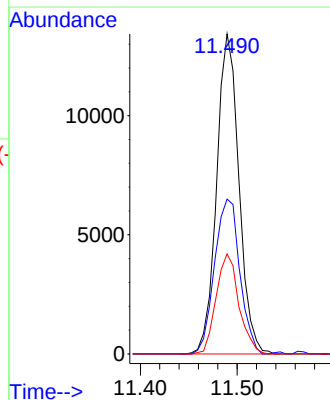
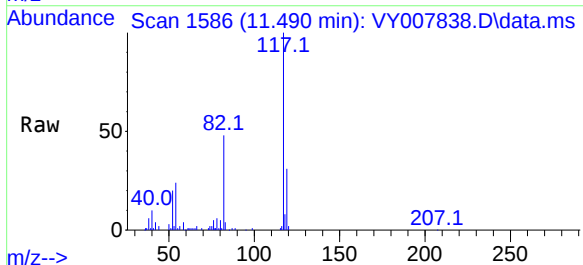
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-030922

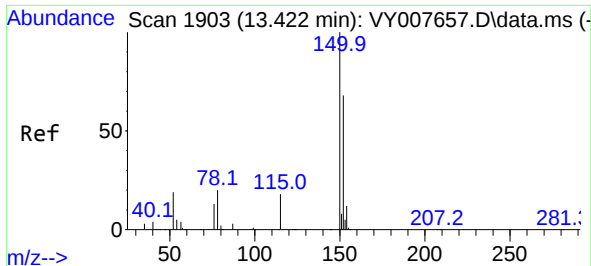
Tgt Ion: 95 Resp: 8233
Ion Ratio Lower Upper
95 100
174 82.8 0.0 177.0
176 87.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion: 117 Resp: 21474
Ion Ratio Lower Upper
117 100
82 48.4 43.0 64.4
119 31.2 25.4 38.0

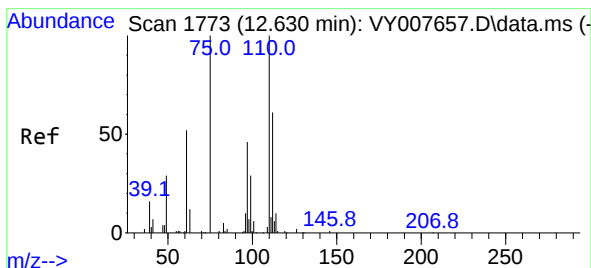
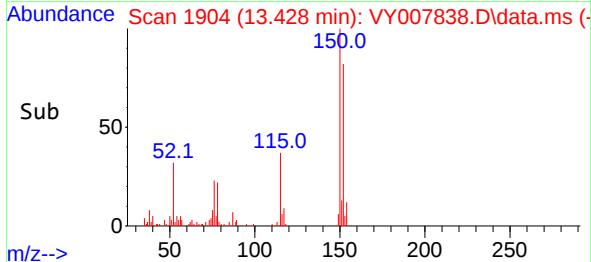
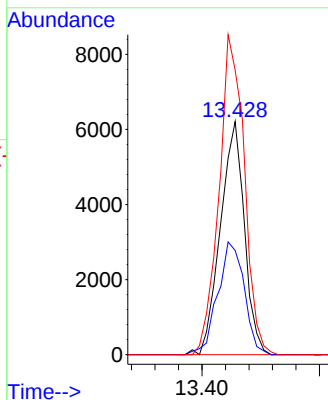
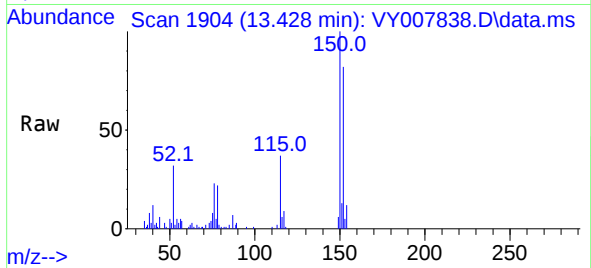




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

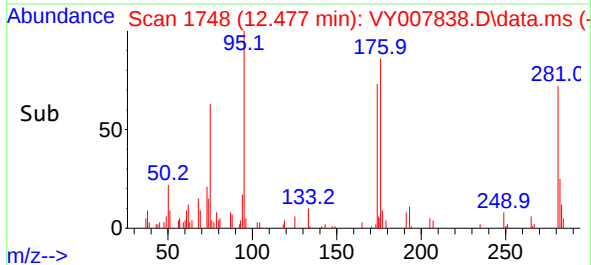
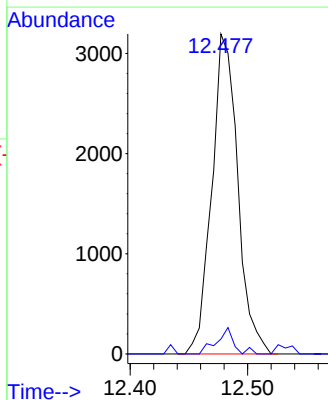
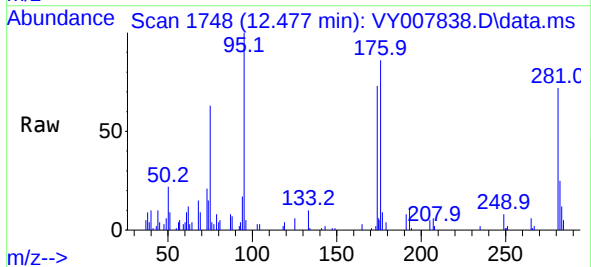
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-030922

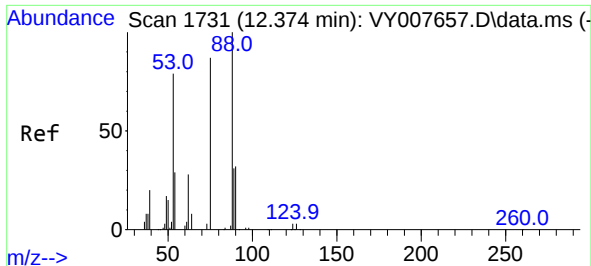
Tgt Ion:152 Resp: 8808
Ion Ratio Lower Upper
152 100
115 53.4 28.2 84.7
150 144.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 49.815 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion: 75 Resp: 4900
Ion Ratio Lower Upper
75 100
77 5.5 0.0 0.0#

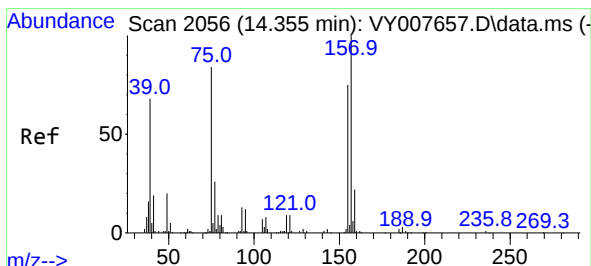
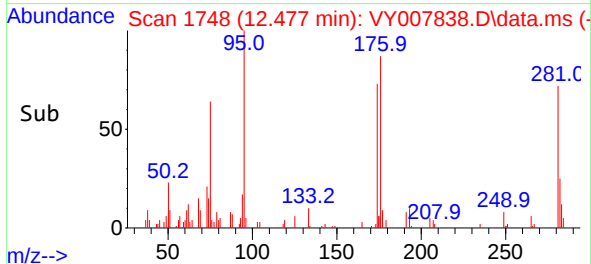
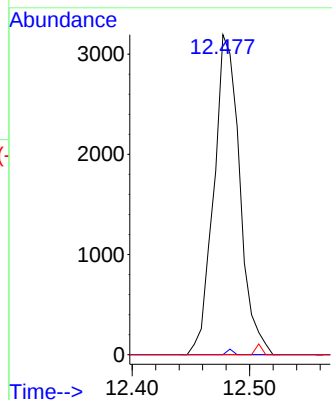
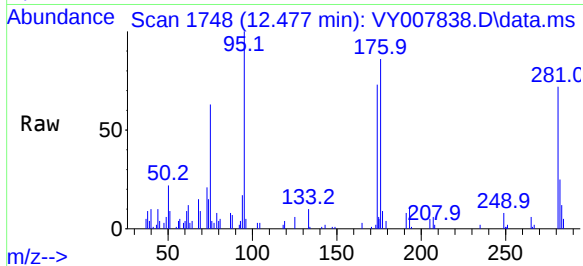




#81
trans-1,4-Dichloro-2-butene
Concen: 101.840 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Instrument :
MSVOA_Y
ClientSampleId :
HD-01-030922

Tgt Ion: 75 Resp: 4900
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.083 ug/l
RT: 14.306 min Scan# 2048
Delta R.T. -0.049 min
Lab File: VY007838.D
Acq: 10 Mar 2022 20:16

Tgt Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#

