

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072822\
 Data File : VY009754.D
 Acq On : 28 Jul 2022 16:25
 Operator : KP/MD
 Sample : N3924-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-1-072722

Quant Time: Jul 29 02:57:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

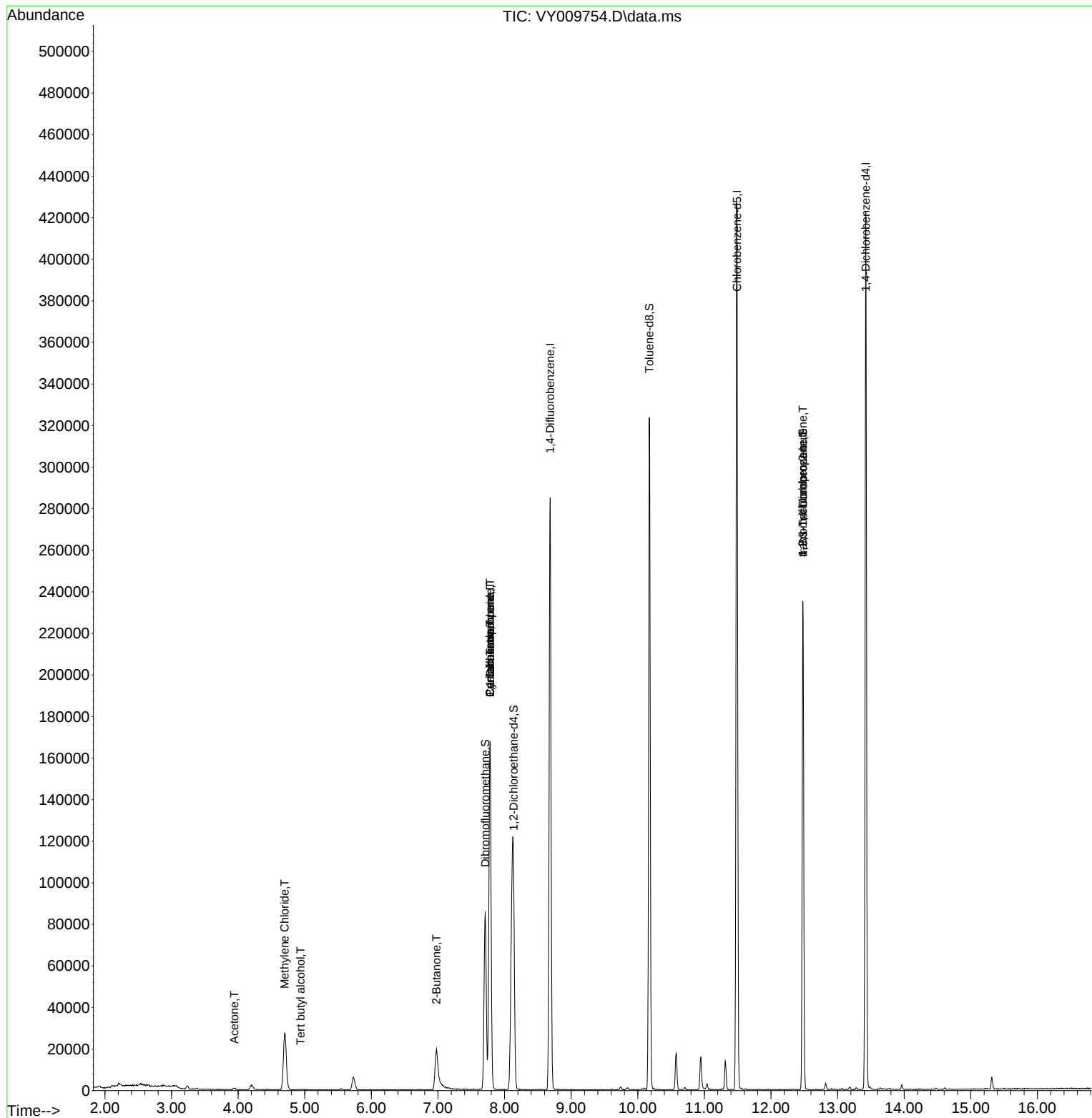
Internal Standards						
1) Pentafluorobenzene	7.783	168	140401	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	256128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	250189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	62588	68.928	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.860%			
35) Dibromofluoromethane	7.710	113	60257	43.257	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.520%			
50) Toluene-d8	10.173	98	213288	52.812	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 105.620%			
62) 4-Bromofluorobenzene	12.477	95	65154	35.273	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 70.540%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.936	59	335	1.616	ug/l	# 77
16) Acetone	3.942	43	1412	4.206	ug/l	91
18) Methyl Acetate	4.460	43	191	Below Cal	#	56
20) Methylene Chloride	4.698	84	21508	4.543	ug/l	# 80
25) 2-Butanone	6.978	43	1386	2.799	ug/l	# 85
31) Cyclohexane	7.783	56	2481	1.111	ug/l	# 3
36) 1,1-Dichloropropene	7.783	75	9648	4.256	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	12476	5.137	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	33294	32.824	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	33294	65.428	ug/l	# 7

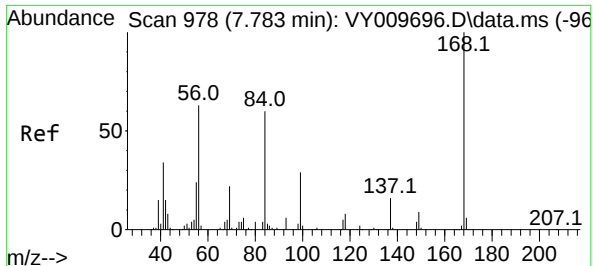
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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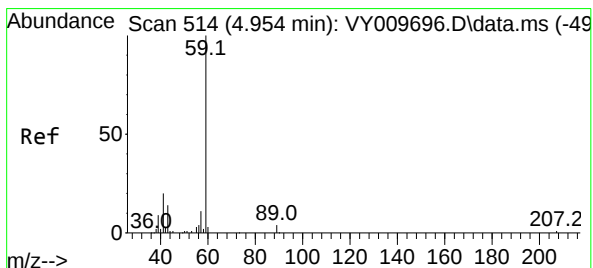
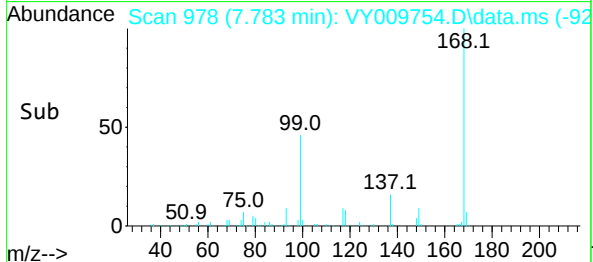
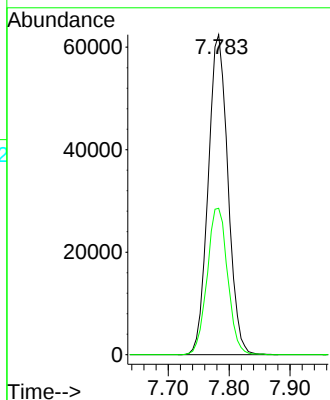
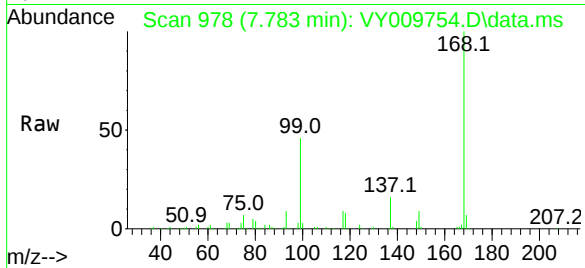




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

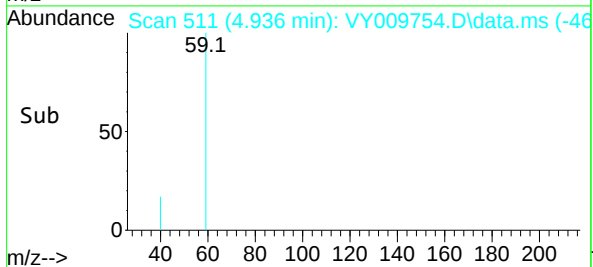
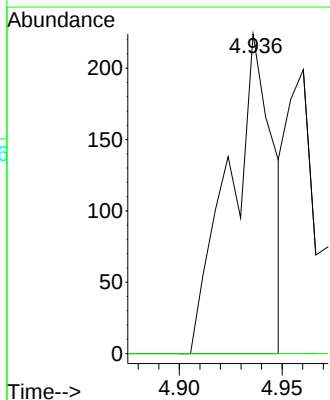
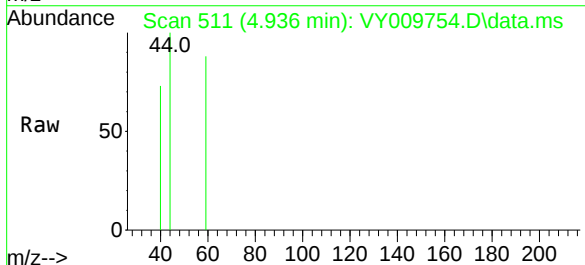
Instrument :
MSVOA_Y
ClientSampleId :
HD-1-072722

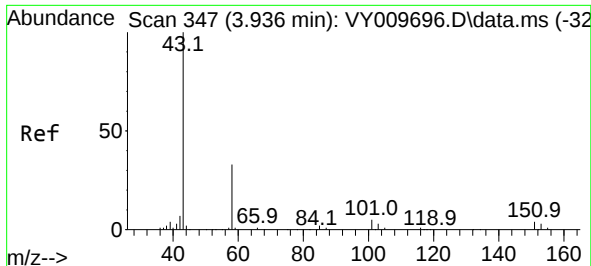
Tgt Ion:168 Resp: 140401
Ion Ratio Lower Upper
168 100
99 45.7 46.9 70.3#



#11
Tert butyl alcohol
Concen: 1.616 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

Tgt Ion: 59 Resp: 335
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

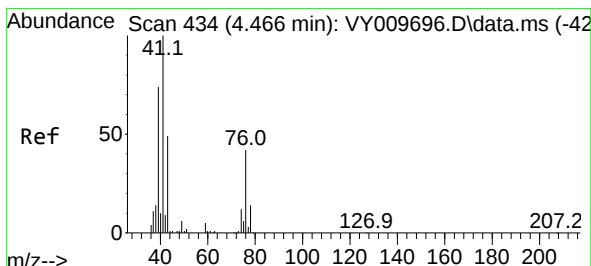
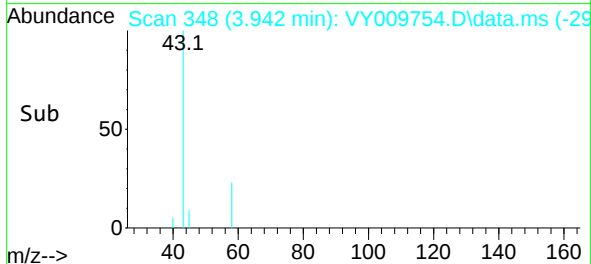
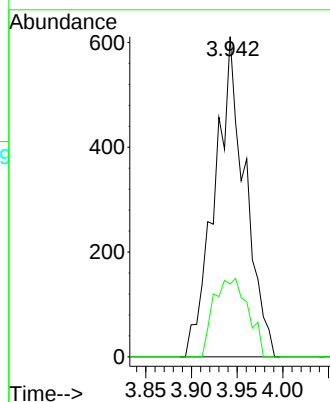
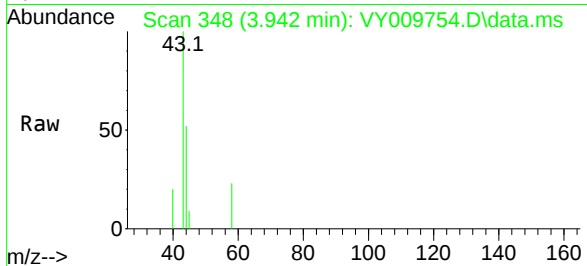




#16
Acetone
Concen: 4.206 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

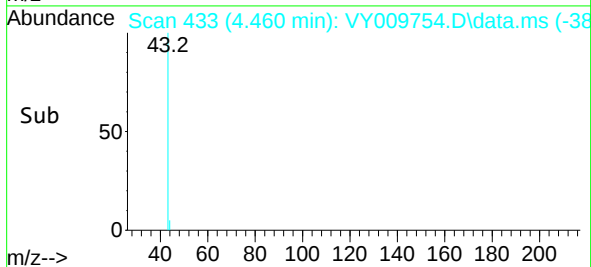
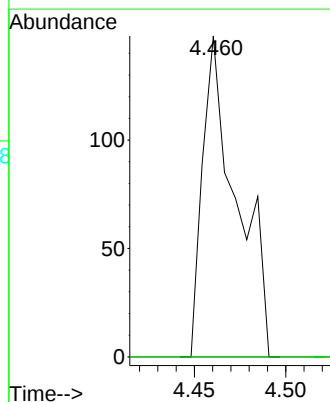
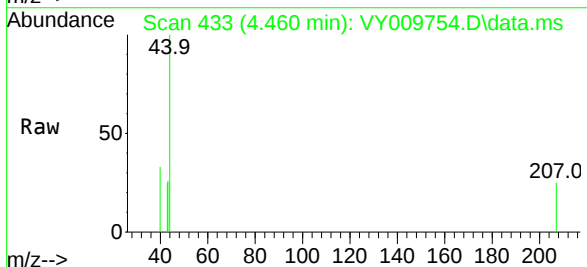
Instrument :
MSVOA_Y
ClientSampleId :
HD-1-072722

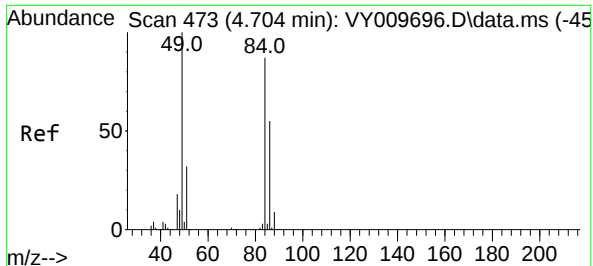
Tgt Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
58 22.7 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.006 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

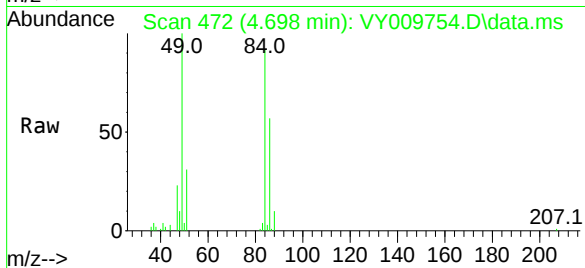
Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





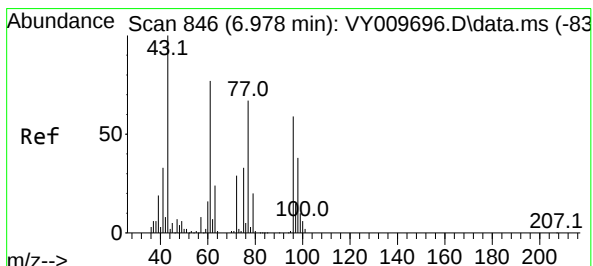
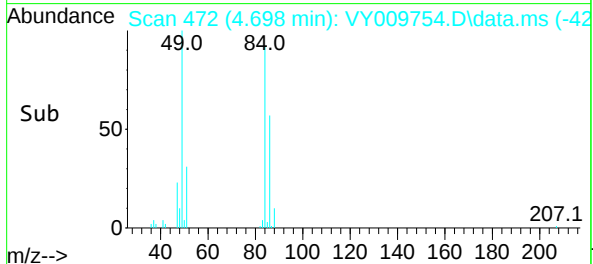
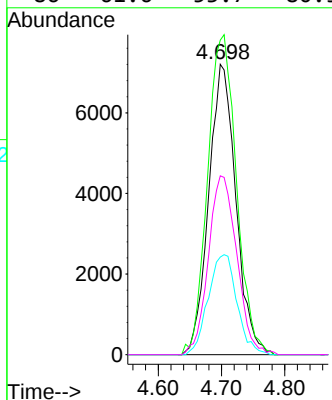
#20
Methylene Chloride
Concen: 4.543 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

Instrument :
MSVOA_Y
ClientSampleId :
HD-1-072722



Tgt Ion: 84 Resp: 21508

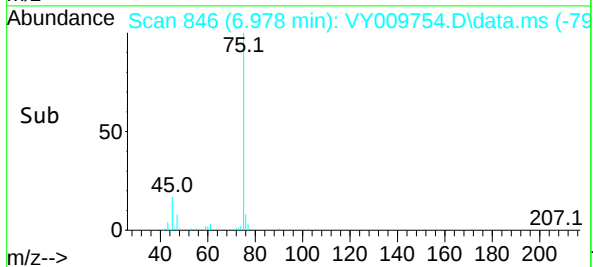
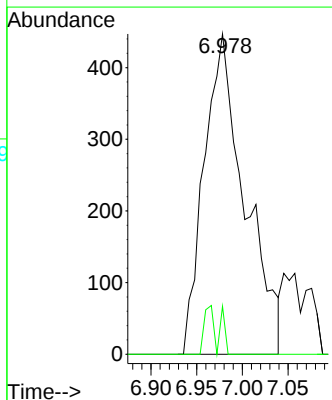
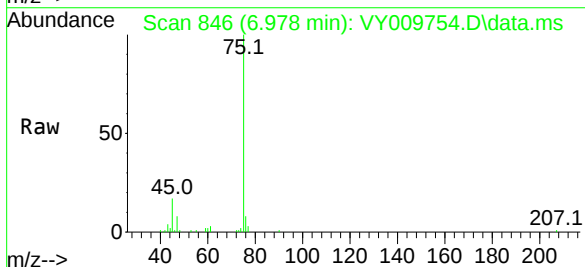
Ion	Ratio	Lower	Upper
84	100		
49	108.4	114.4	171.6#
51	33.6	35.3	52.9#
86	61.6	53.7	80.5

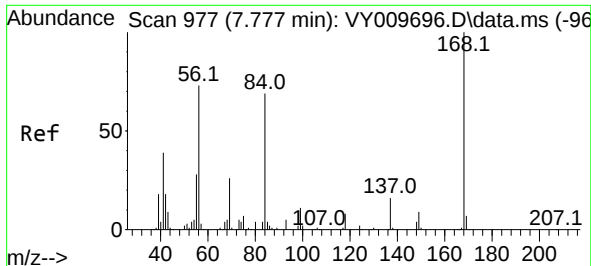


#25
2-Butanone
Concen: 2.799 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

Tgt Ion: 43 Resp: 1386

Ion	Ratio	Lower	Upper
43	100		
72	15.0	17.7	26.5#

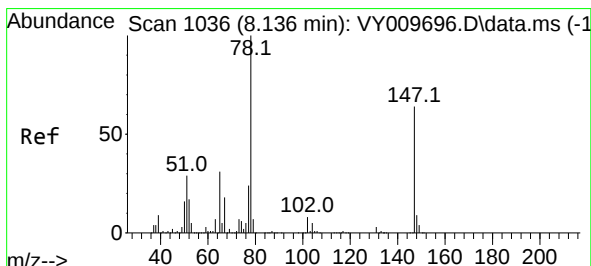
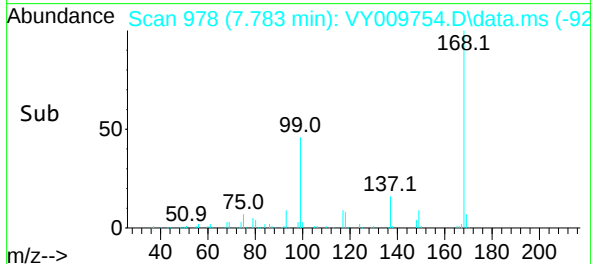
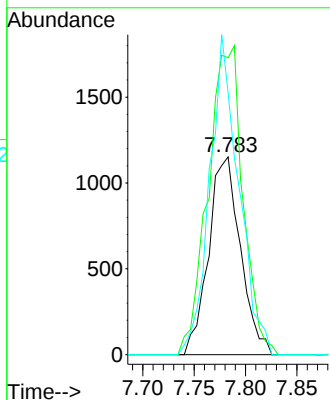
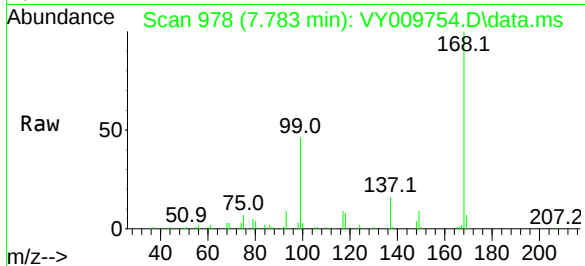




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

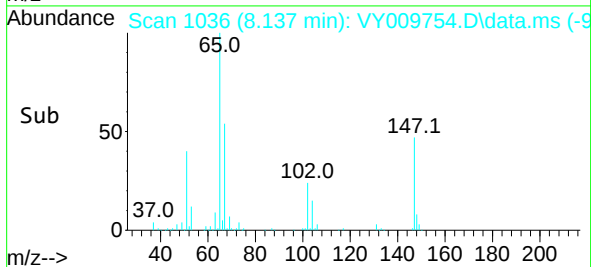
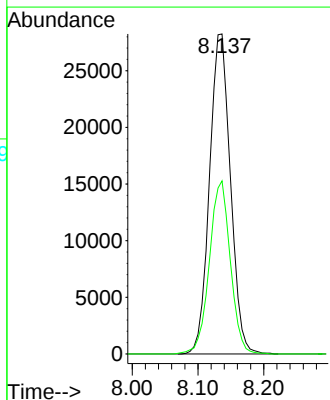
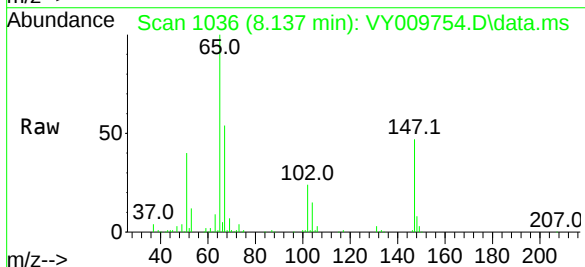
Instrument :
MSVOA_Y
ClientSampleId :
HD-1-072722

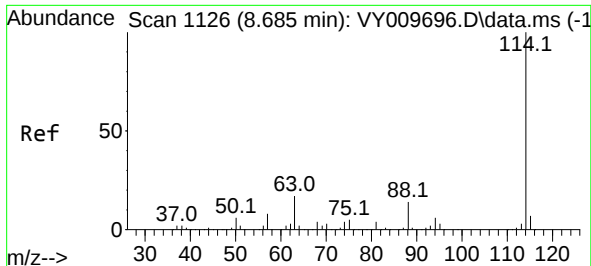
Tgt Ion: 56 Resp: 2481
Ion Ratio Lower Upper
56 100
69 150.2 26.7 40.1#
84 132.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.928 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

Tgt Ion: 65 Resp: 62588
Ion Ratio Lower Upper
65 100
67 54.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009754.D

Acq: 28 Jul 2022 16:25

Instrument :

MSVOA_Y

ClientSampleId :

HD-1-072722

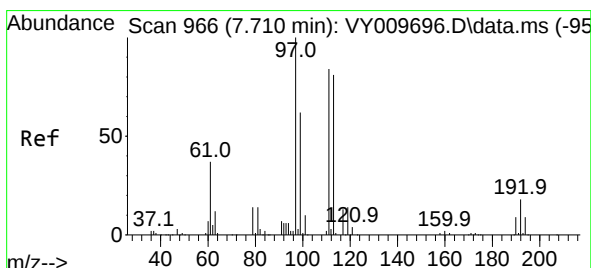
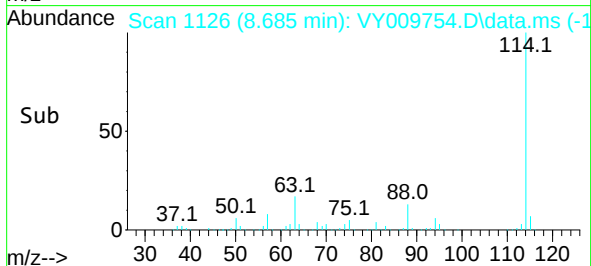
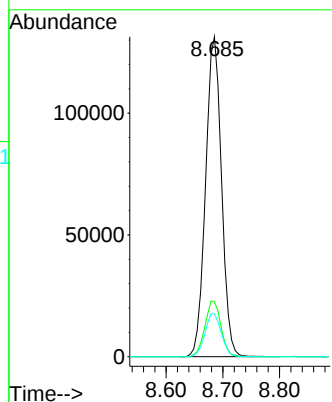
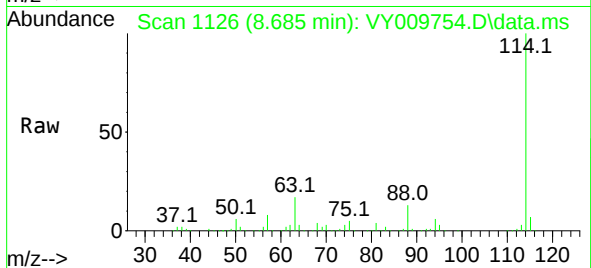
Tgt Ion:114 Resp: 256128

Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 43.257 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009754.D

Acq: 28 Jul 2022 16:25

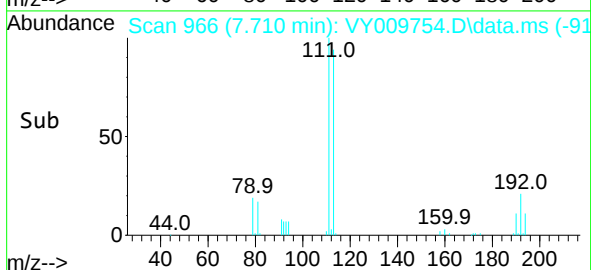
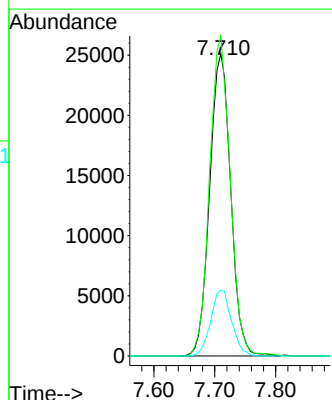
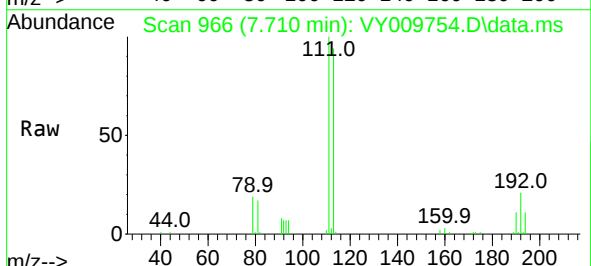
Tgt Ion:113 Resp: 60257

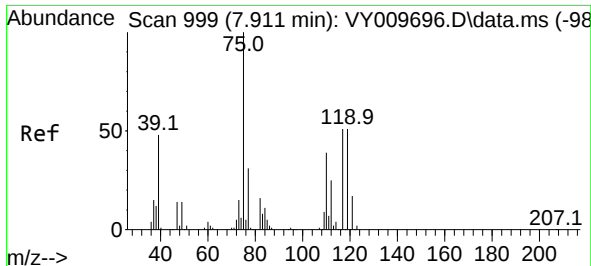
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 21.6 17.6 26.4

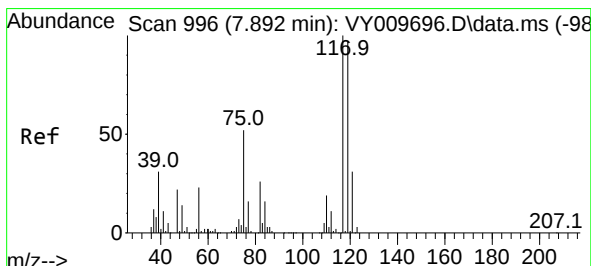
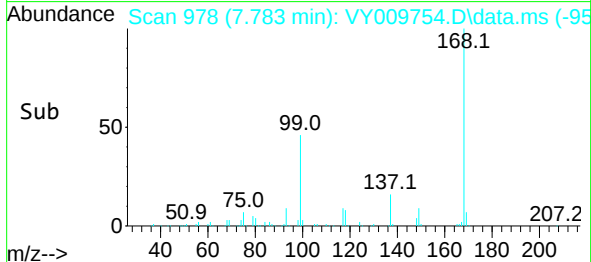
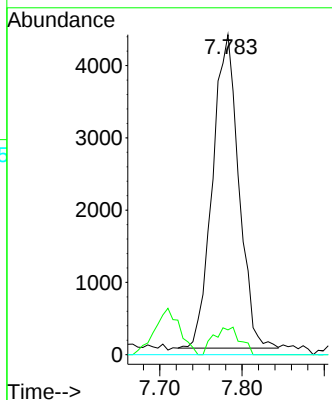
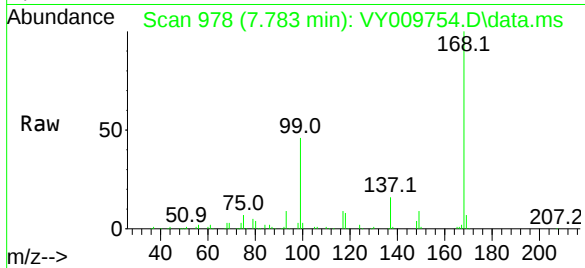




#36
1,1-Dichloropropene
Concen: 4.256 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

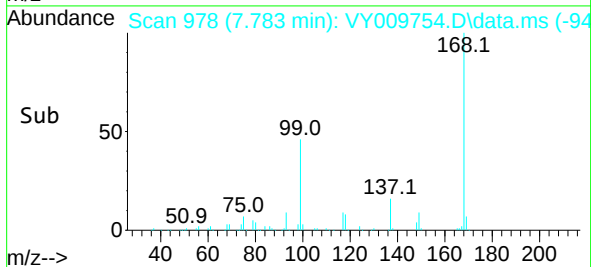
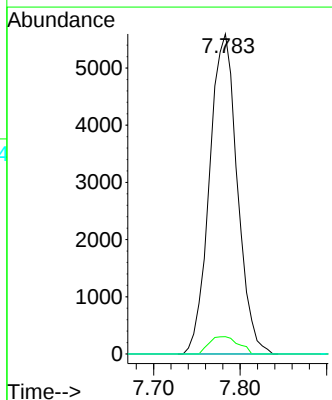
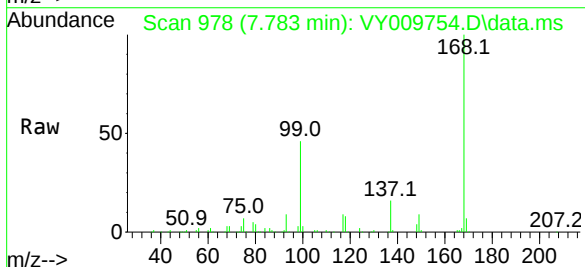
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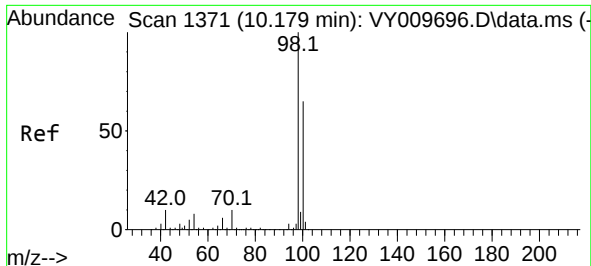
Tgt Ion: 75 Resp: 9648
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.137 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

Tgt Ion: 117 Resp: 12476
Ion Ratio Lower Upper
117 100
119 5.4 77.9 116.9#
121 0.0 24.8 37.2#

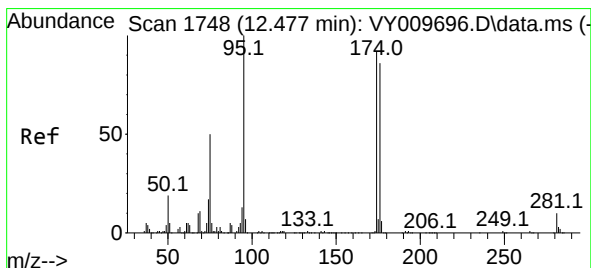
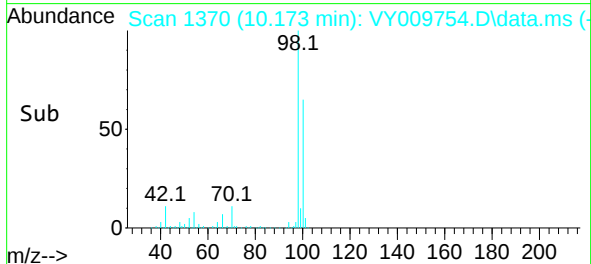
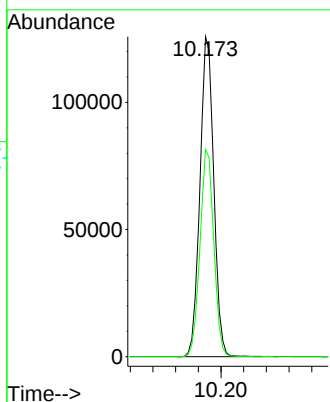
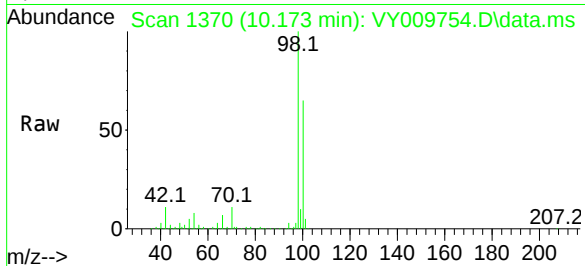




#50
Toluene-d8
Concen: 52.812 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

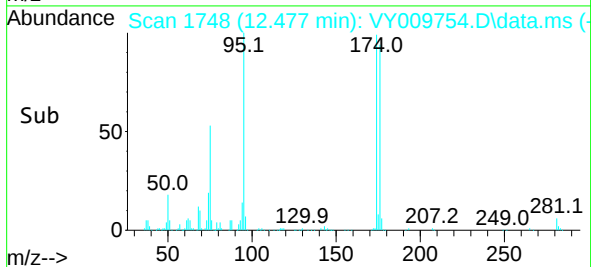
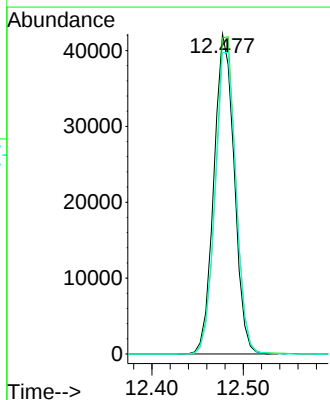
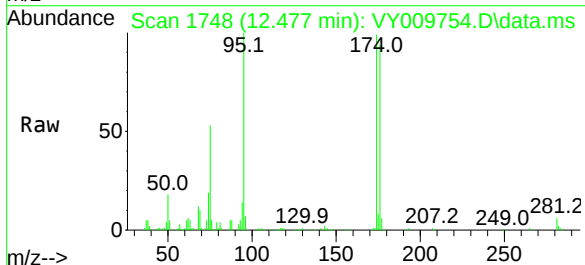
Instrument :
MSVOA_Y
ClientSampleId :
HD-1-072722

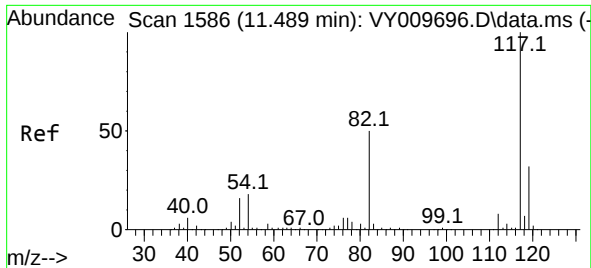
Tgt Ion: 98 Resp: 213288
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.273 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

Tgt Ion: 95 Resp: 65154
Ion Ratio Lower Upper
95 100
174 100.3 0.0 177.0
176 96.5 0.0 175.8

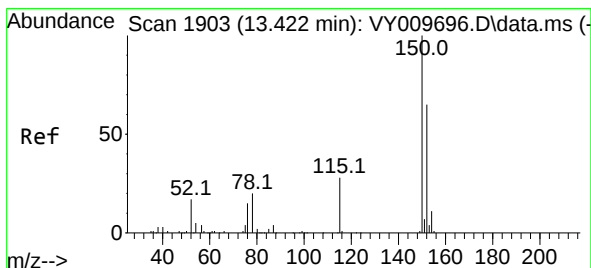
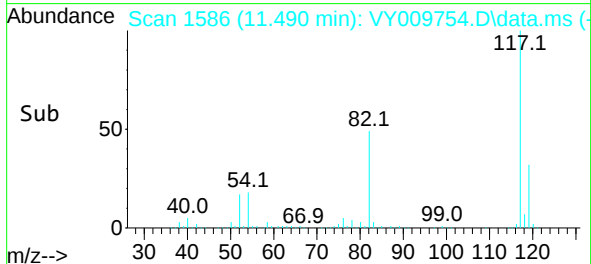
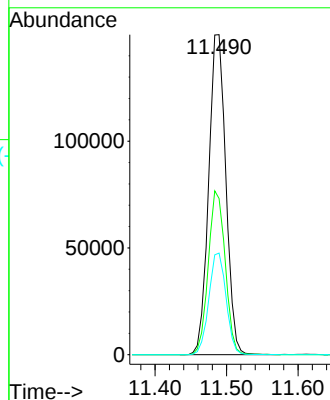
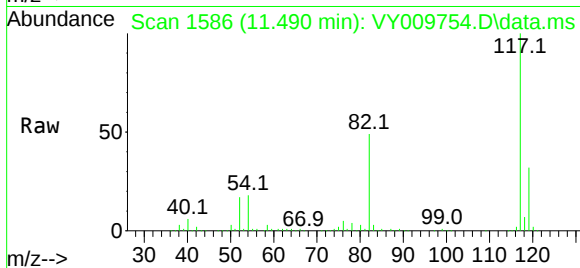




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

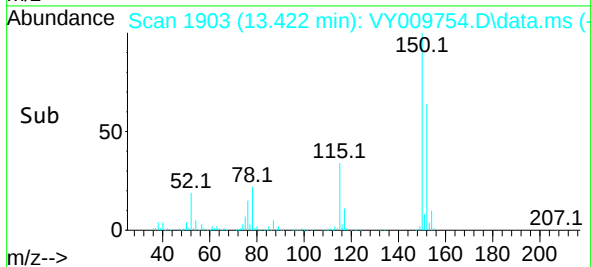
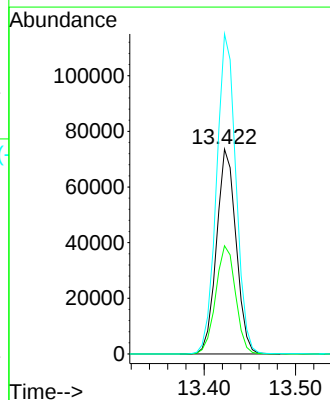
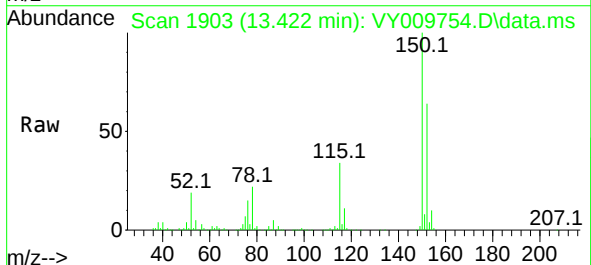
Instrument :
MSVOA_Y
ClientSampleId :
HD-1-072722

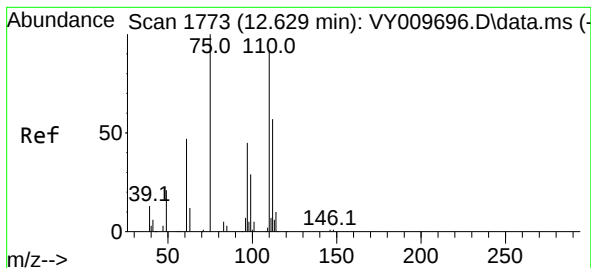
Tgt Ion:117 Resp: 250189
Ion Ratio Lower Upper
117 100
82 48.8 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009754.D
Acq: 28 Jul 2022 16:25

Tgt Ion:152 Resp: 109200
Ion Ratio Lower Upper
152 100
115 53.8 28.2 84.7
150 155.6 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 32.824 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009754.D

Acq: 28 Jul 2022 16:25

Instrument :

MSVOA_Y

ClientSampleId :

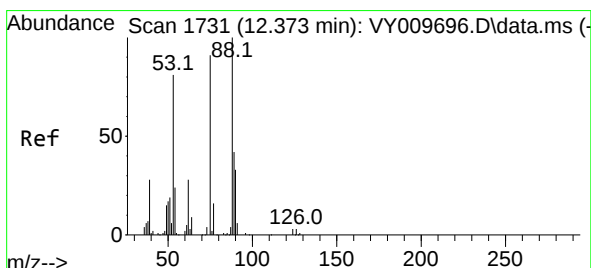
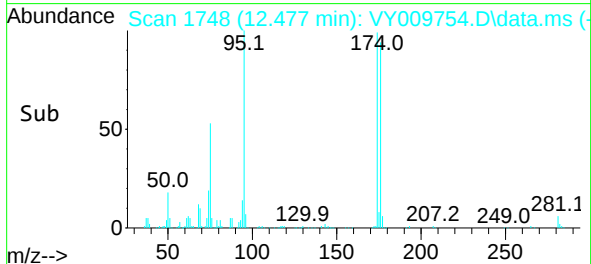
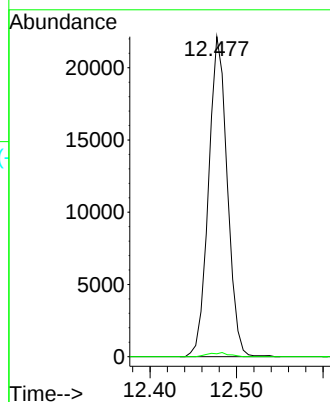
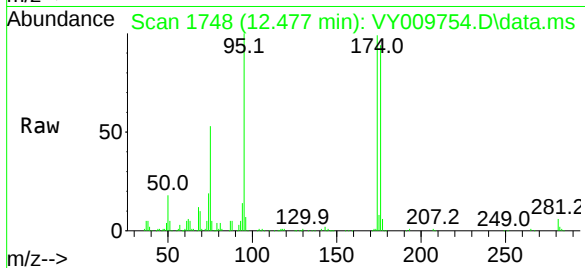
HD-1-072722

Tgt Ion: 75 Resp: 33294

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.428 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY009754.D

Acq: 28 Jul 2022 16:25

Tgt Ion: 75 Resp: 33294

Ion Ratio Lower Upper

75 100

53 0.1 85.3 127.9#

89 0.0 37.0 55.4#

