

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091322\
 Data File : VY010462.D
 Acq On : 13 Sep 2022 16:31
 Operator : KP/MD
 Sample : N4509-08
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_UNK-20220902

Quant Time: Sep 14 05:25:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

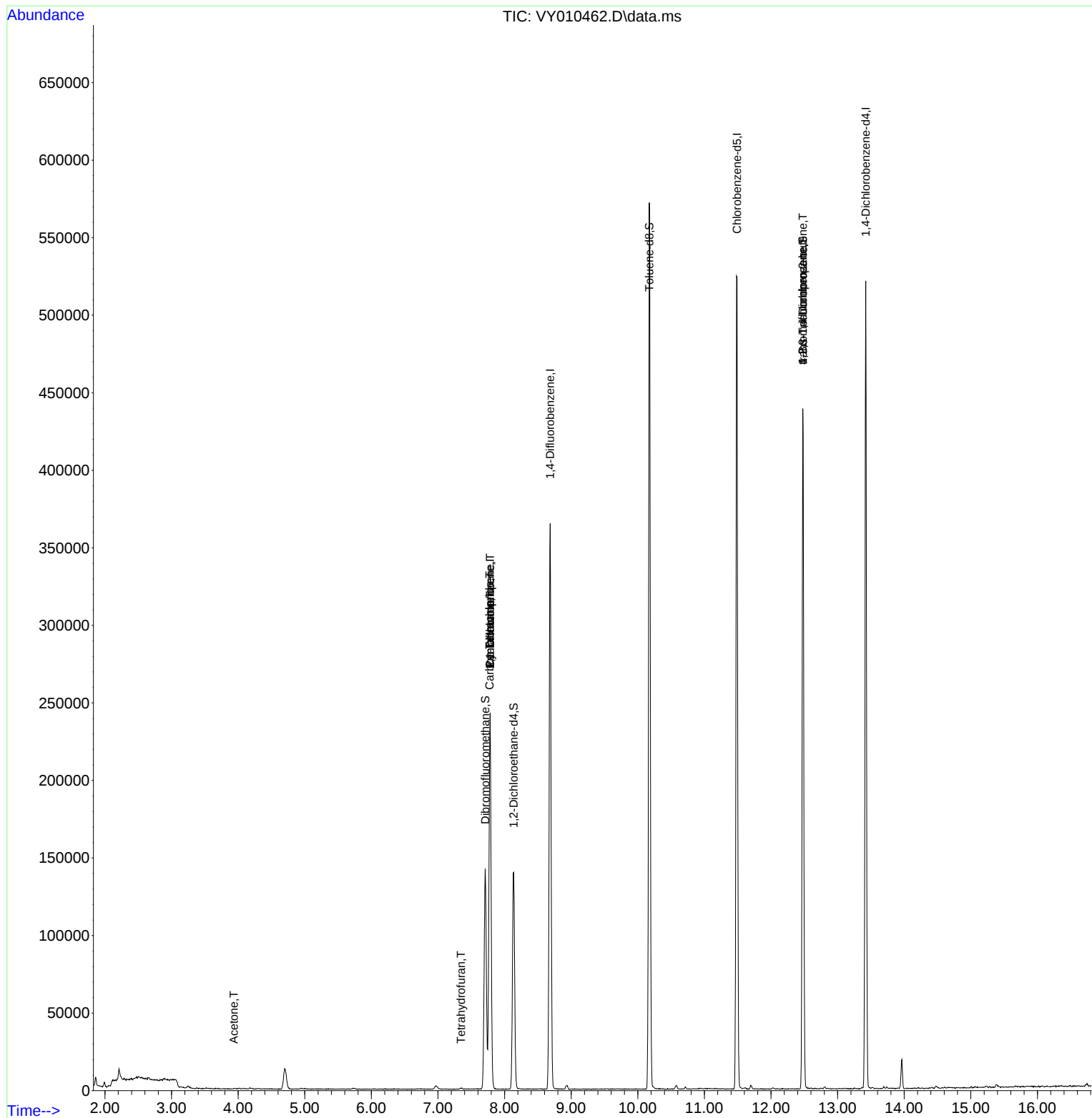
Internal Standards						
1) Pentafluorobenzene	7.783	168	188753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	296521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114229	60.087	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.180%	
35) Dibromofluoromethane	7.710	113	99426	43.980	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.960%	
50) Toluene-d8	10.173	98	379442	51.788	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	12.477	95	128379	43.392	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	21	Below Cal	#	43
11) Tert butyl alcohol	4.948	59	696	Below Cal	#	94
16) Acetone	3.936	43	732	1.678	ug/l #	47
20) Methylene Chloride	4.704	84	10008	Below Cal	#	86
29) Tetrahydrofuran	7.344	42	549	1.269	ug/l #	79
31) Cyclohexane	7.783	56	3666	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14190	4.585	ug/l #	51
38) Carbon Tetrachloride	7.777	117	18908	5.491	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	66523	45.168	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66523	100.289	ug/l #	7

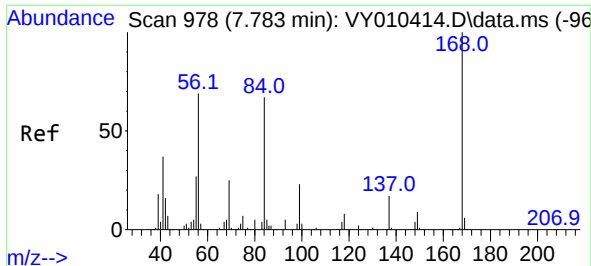
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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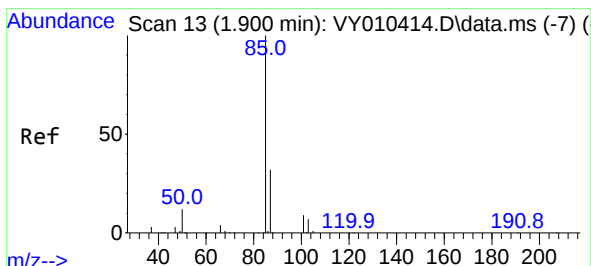
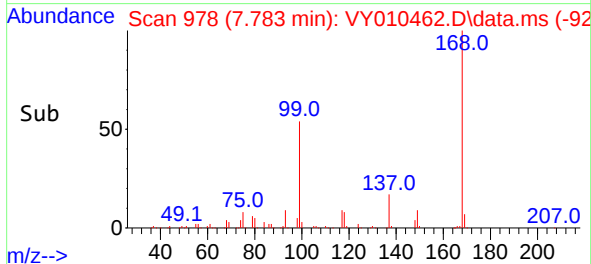
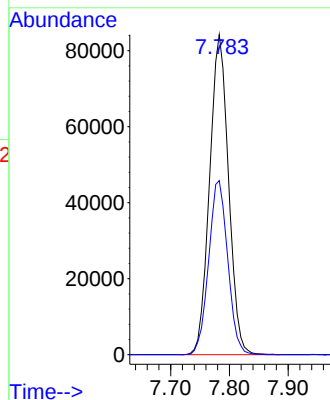
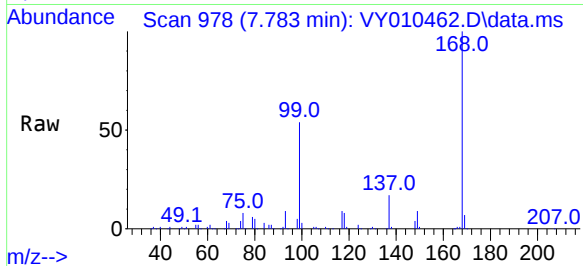




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

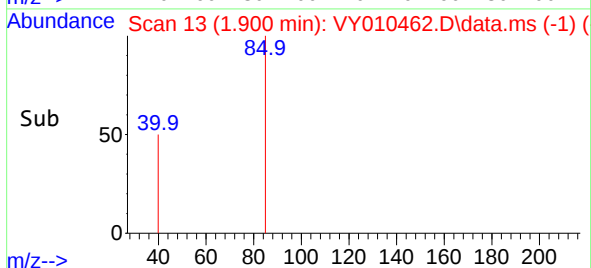
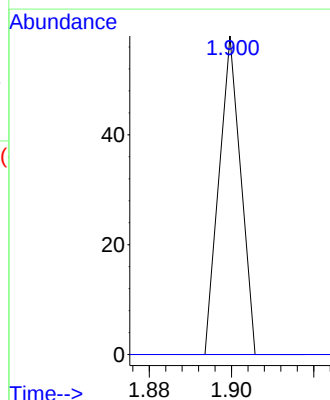
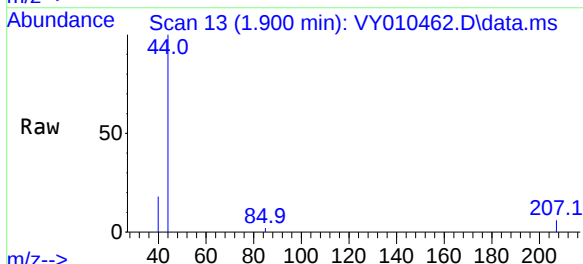
Instrument :
MSVOA_Y
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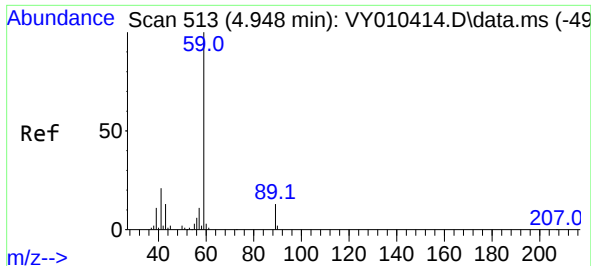
Tgt Ion:168 Resp: 188753
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

Tgt Ion: 85 Resp: 21
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

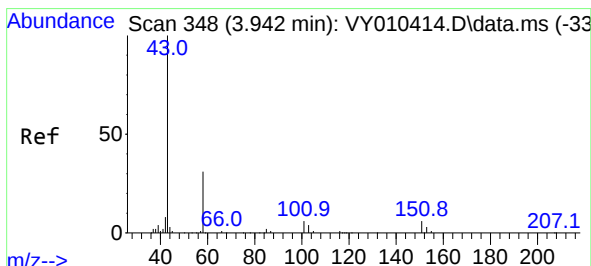
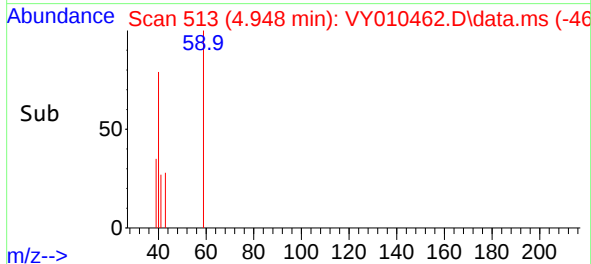
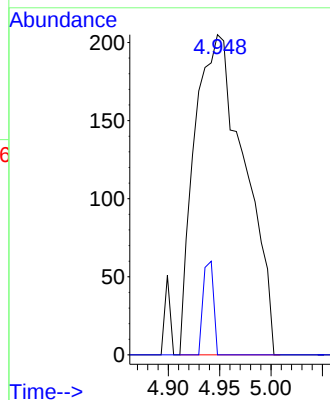
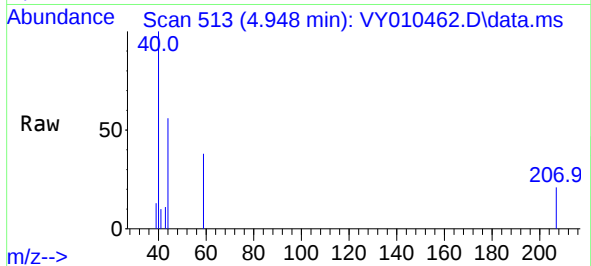




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

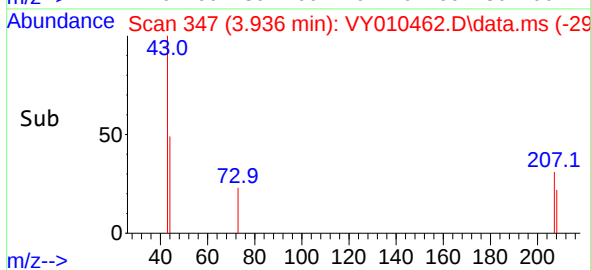
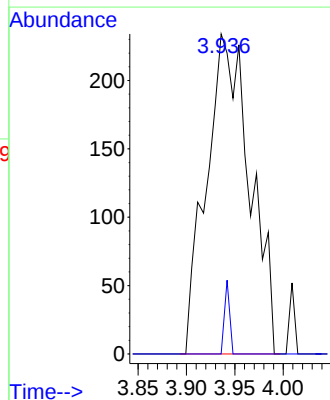
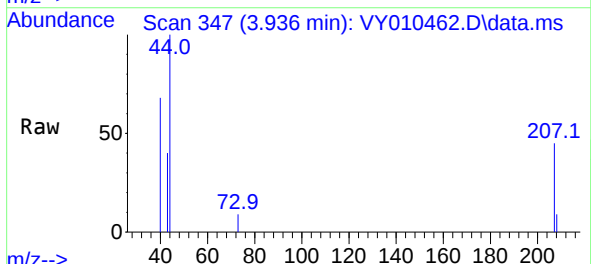
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_UNK-20220902

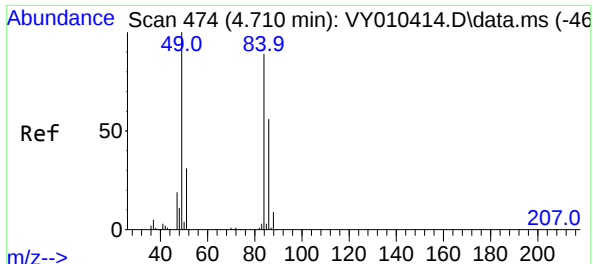
Tgt Ion: 59 Resp: 696
Ion Ratio Lower Upper
59 100
57 6.0 6.4 9.6#



#16
Acetone
Concen: 1.678 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

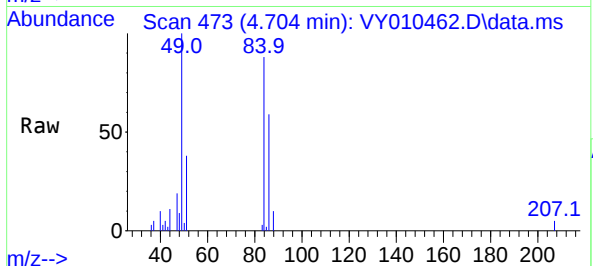
Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



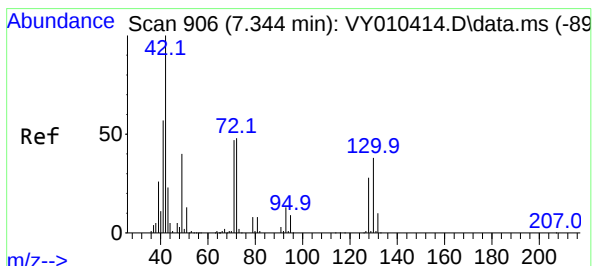
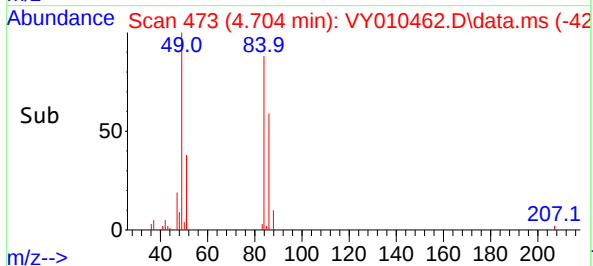
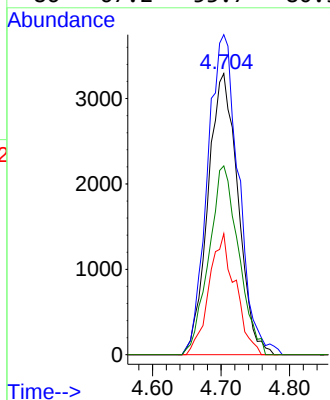


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_UNK-20220902

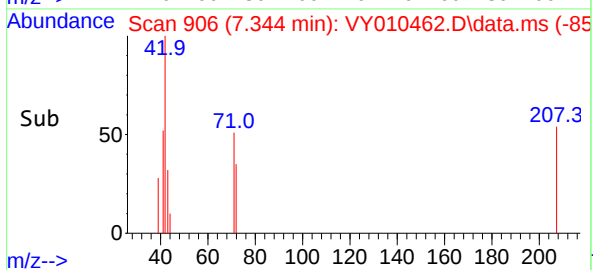
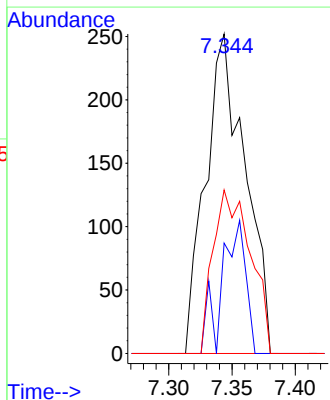
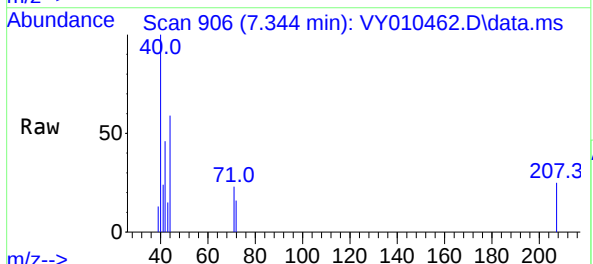


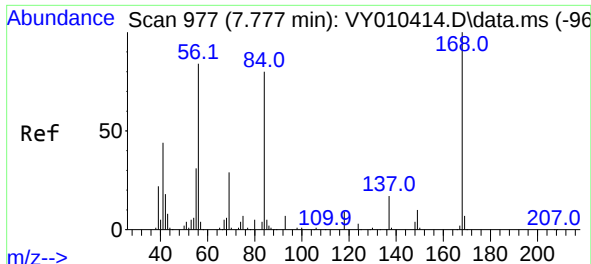
Tgt Ion: 84 Resp: 10008
Ion Ratio Lower Upper
84 100
49 113.9 114.4 171.6#
51 43.0 35.3 52.9
86 67.2 53.7 80.5



#29
Tetrahydrofuran
Concen: 1.269 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

Tgt Ion: 42 Resp: 549
Ion Ratio Lower Upper
42 100
72 25.3 30.3 45.5#
71 48.5 29.0 43.4#

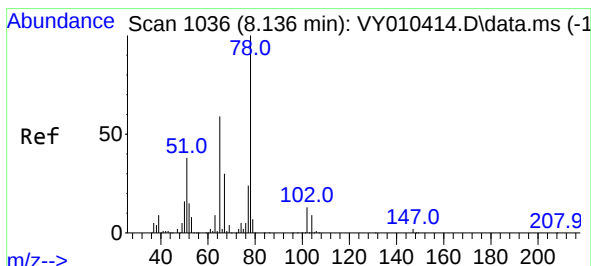
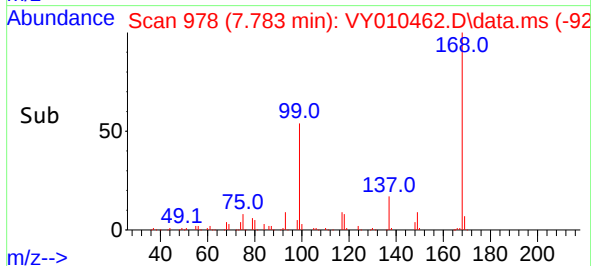
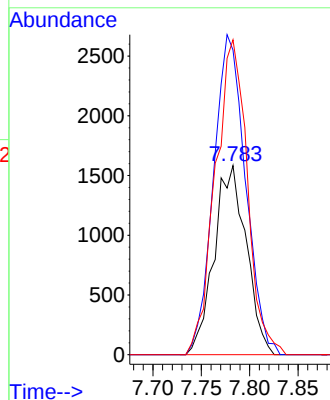
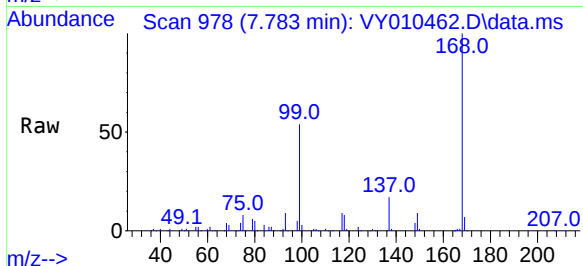




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

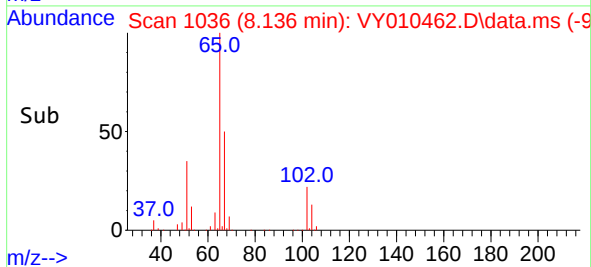
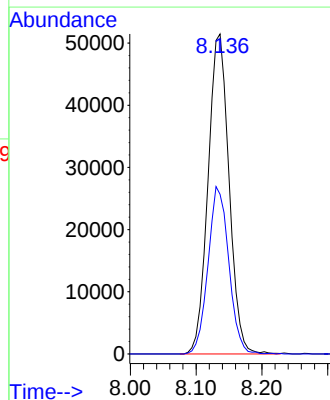
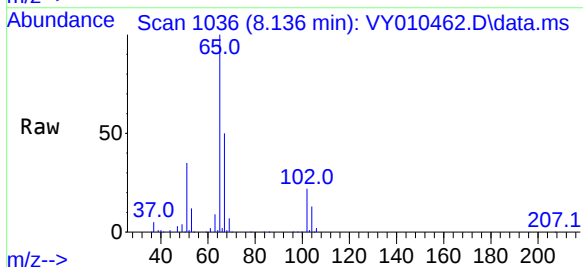
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_UNK-20220902

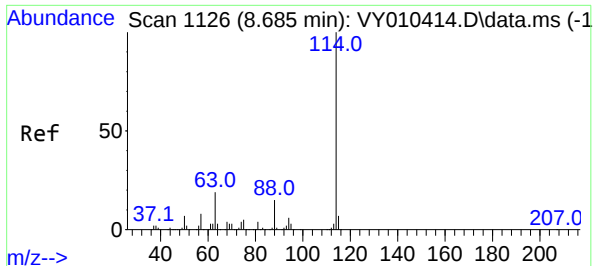
Tgt Ion: 56 Resp: 3666
Ion Ratio Lower Upper
56 100
69 161.0 26.7 40.1#
84 166.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 60.087 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

Tgt Ion: 65 Resp: 114229
Ion Ratio Lower Upper
65 100
67 51.7 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: VY010462.D

Acq: 13 Sep 2022 16:31

Instrument :

MSVOA_Y

ClientSampleId :

S1-SO_UNK-20220902

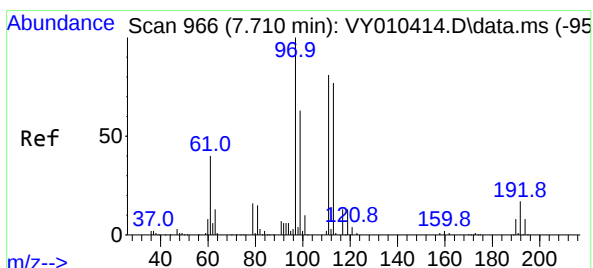
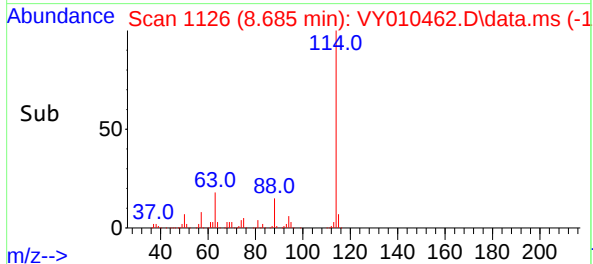
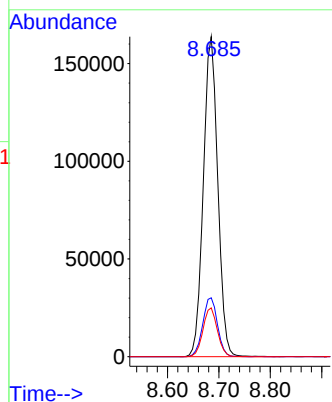
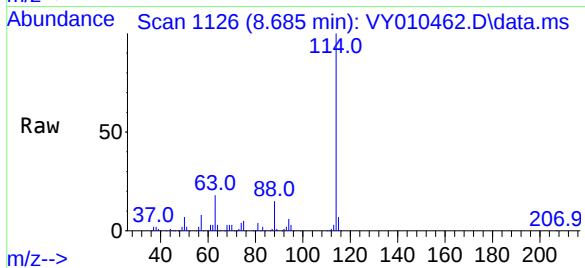
Tgt Ion:114 Resp: 318315

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 43.980 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010462.D

Acq: 13 Sep 2022 16:31

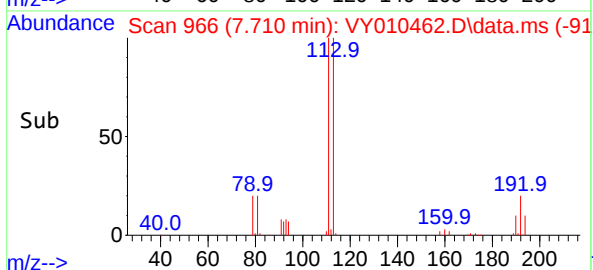
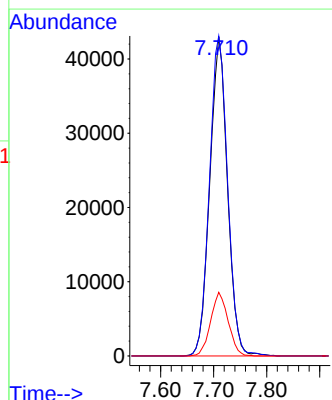
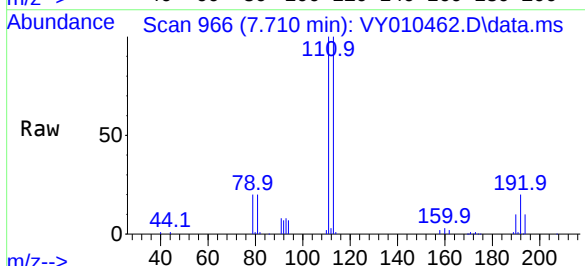
Tgt Ion:113 Resp: 99426

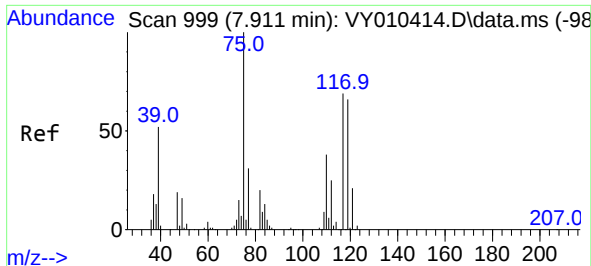
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.8 17.6 26.4

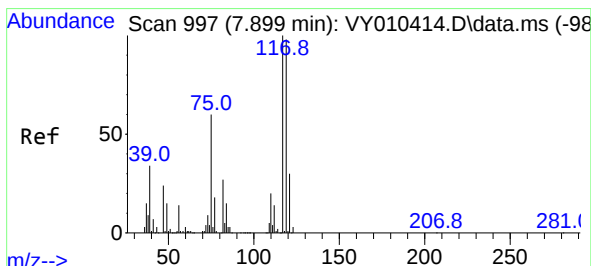
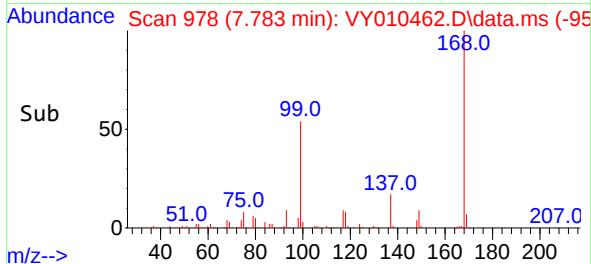
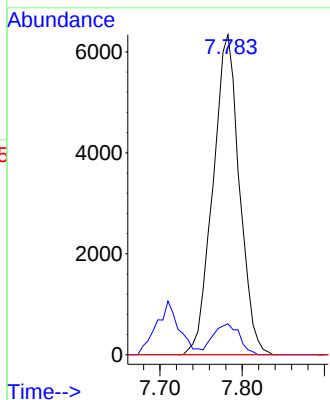
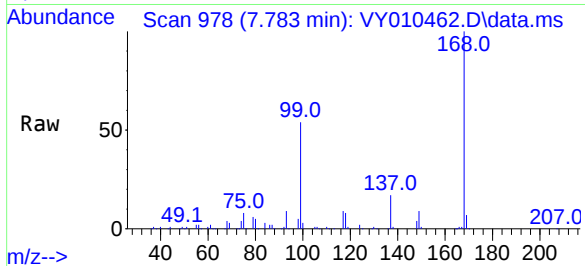




#36
1,1-Dichloropropene
Concen: 4.585 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

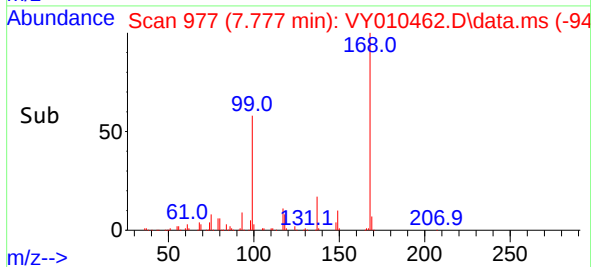
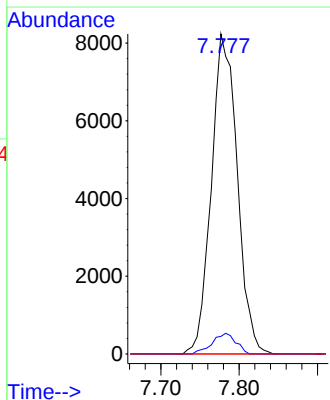
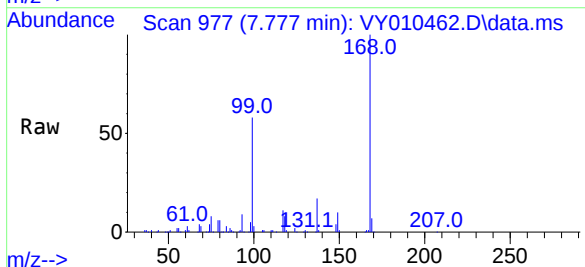
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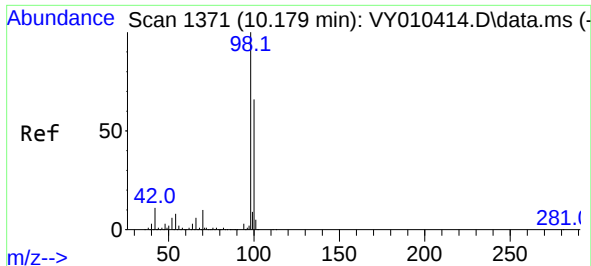
Tgt Ion: 75 Resp: 14190
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.491 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.122 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

Tgt Ion: 117 Resp: 18908
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.8 37.2#

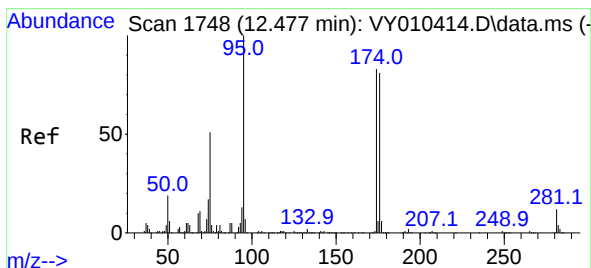
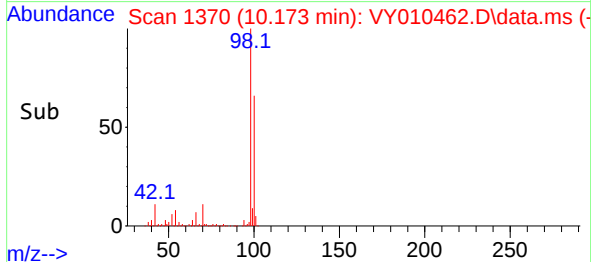
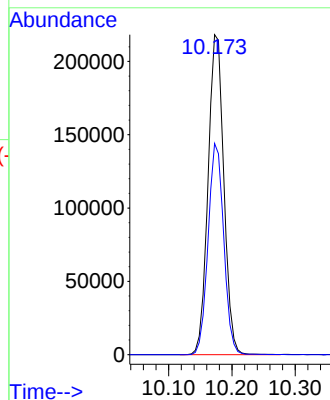
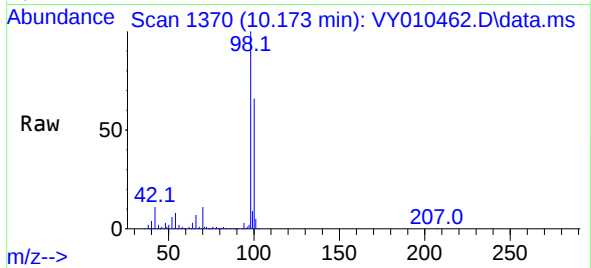




#50
Toluene-d8
Concen: 51.788 ug/l
RT: 10.173 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

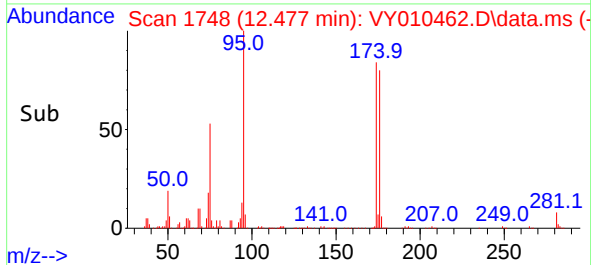
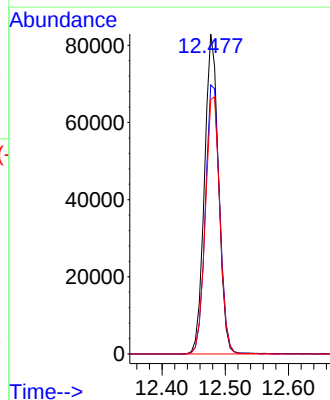
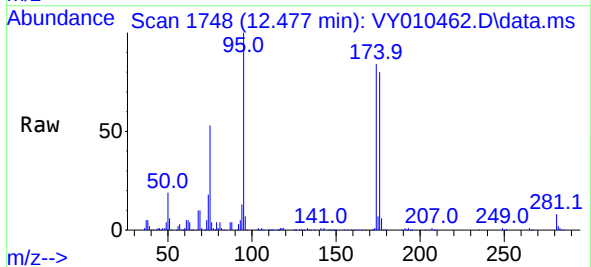
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_UNK-20220902

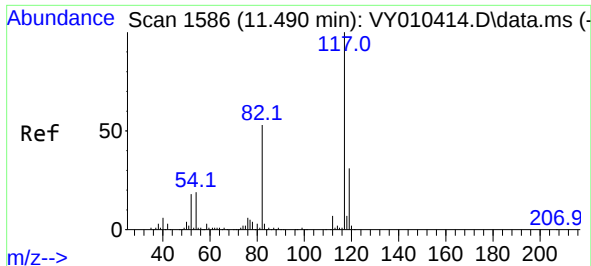
Tgt Ion: 98 Resp: 379442
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 43.392 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

Tgt Ion: 95 Resp: 128379
Ion Ratio Lower Upper
95 100
174 86.0 0.0 177.0
176 82.7 0.0 175.8

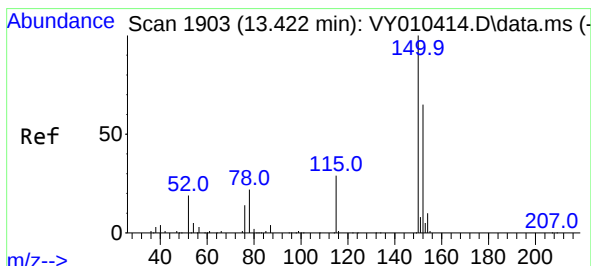
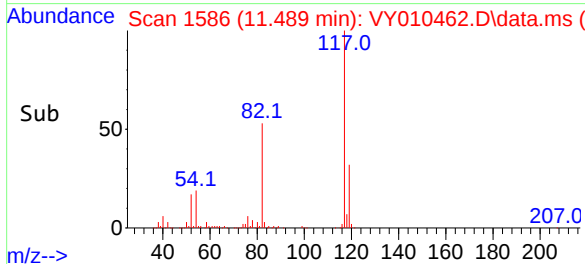
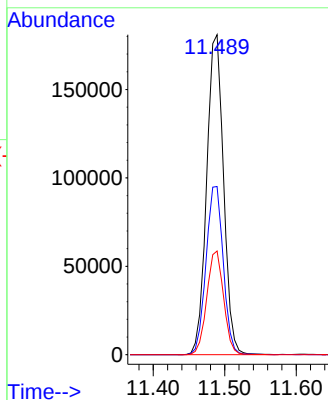
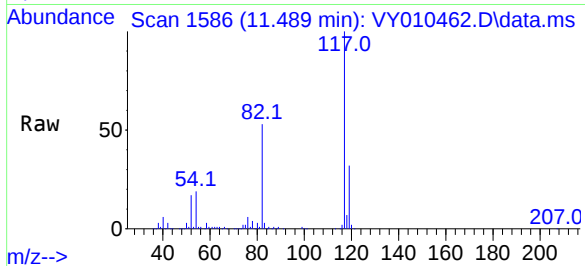




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

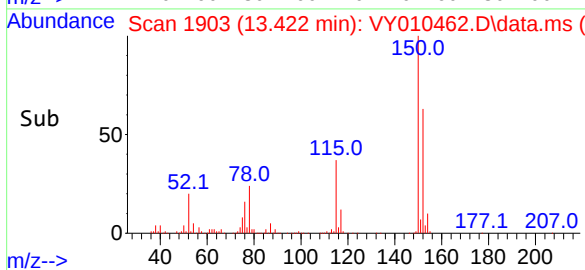
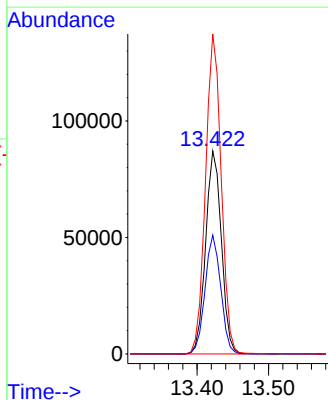
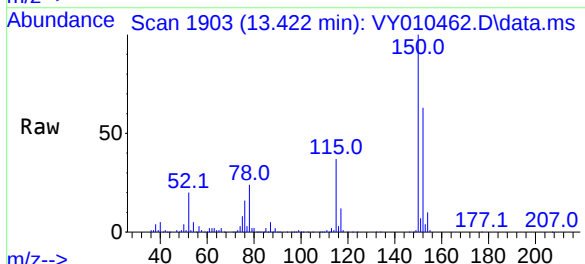
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_UNK-20220902

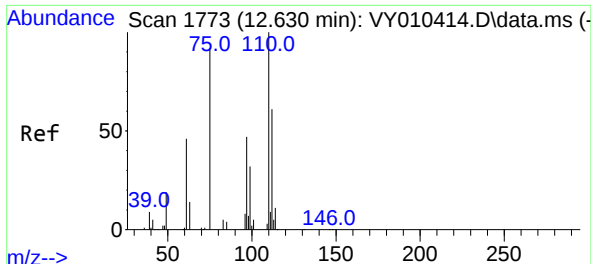
Tgt Ion:117 Resp: 296521
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

Tgt Ion:152 Resp: 133445
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 156.6 0.0 347.6

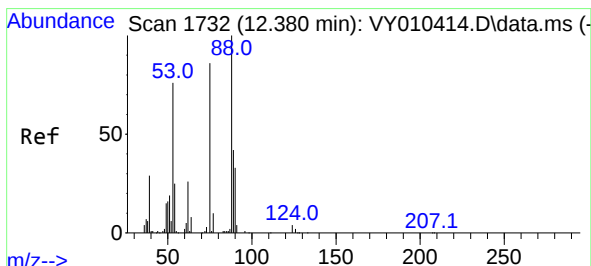
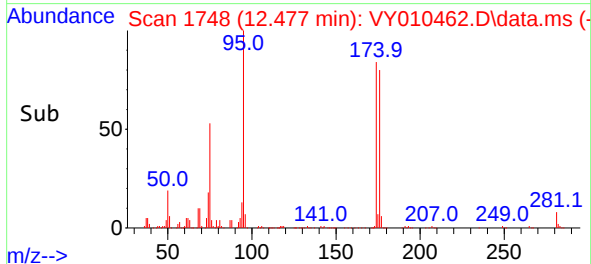
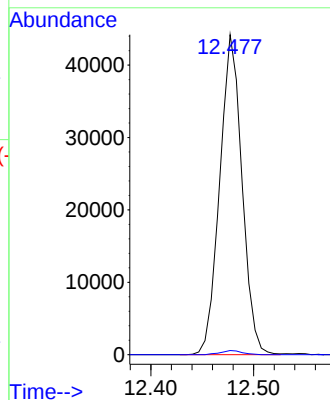
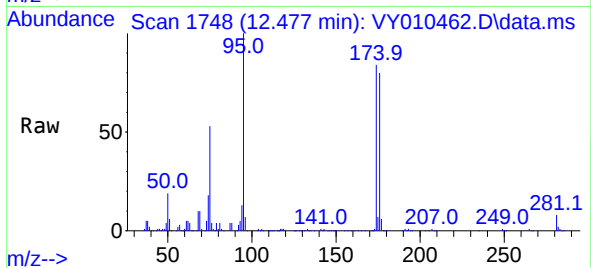




#76
1,2,3-Trichloropropane
Concen: 45.168 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_UNK-20220902

Tgt Ion: 75 Resp: 66523
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.289 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010462.D
Acq: 13 Sep 2022 16:31

Tgt Ion: 75 Resp: 66523
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

