

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100622\
 Data File : VY010843.D
 Acq On : 06 Oct 2022 14:37
 Operator : KP/MD
 Sample : N5004-18
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22019-8.5

Quant Time: Oct 07 02:29:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

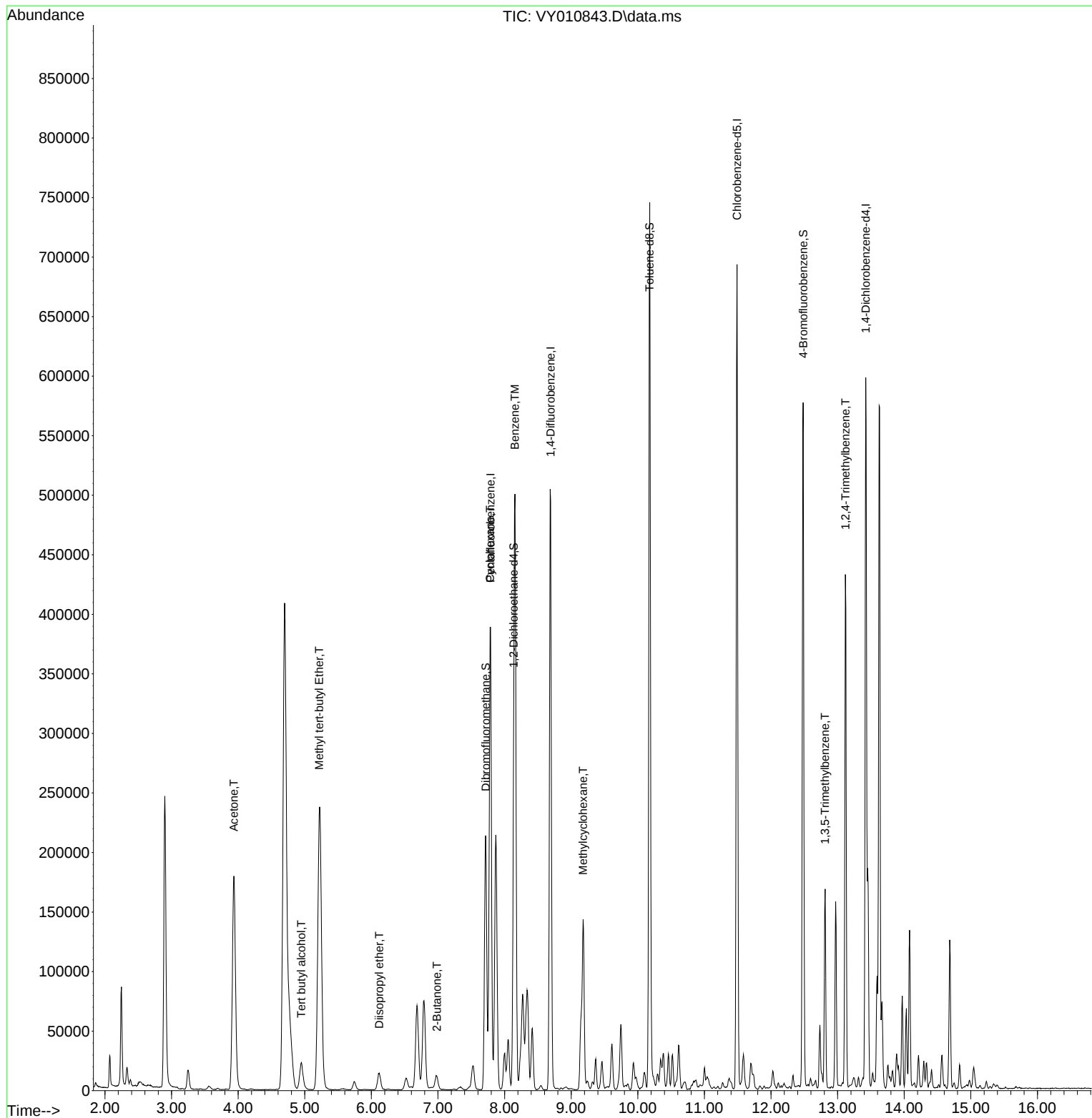
Internal Standards						
1) Pentafluorobenzene	7.789	168	257833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	433078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	364491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	143242	54.809	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.620%	
35) Dibromofluoromethane	7.716	113	151534	52.711	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.420%	
50) Toluene-d8	10.179	98	471492	47.957	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.920%	
62) 4-Bromofluorobenzene	12.483	95	164233	42.182	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	40615	157.673	ug/l #	94
16) Acetone	3.936	43	110099	165.874	ug/l #	63
19) Methyl tert-butyl Ether	5.216	73	300340	47.066	ug/l #	57
22) Diisopropyl ether	6.118	45	17623	2.202	ug/l	90
25) 2-Butanone	6.984	43	7625	7.990	ug/l #	82
31) Cyclohexane	7.783	56	36930	7.894	ug/l #	72
39) Methylcyclohexane	9.179	83	61610	12.086	ug/l	92
40) Benzene	8.155	78	411562	34.426	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	85111	8.931	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	231445	24.703	ug/l	99

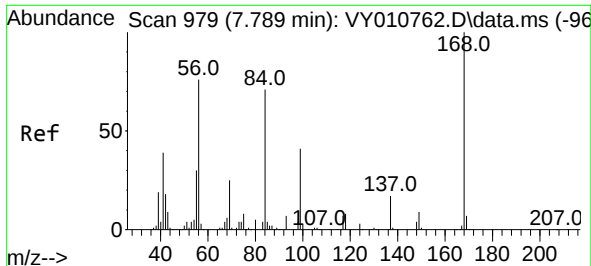
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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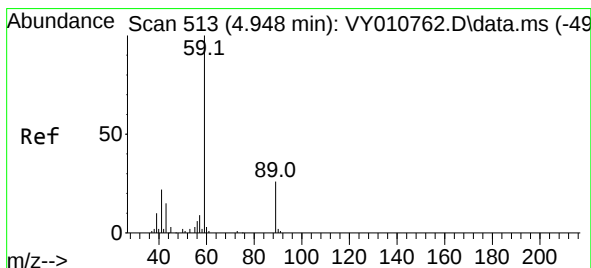
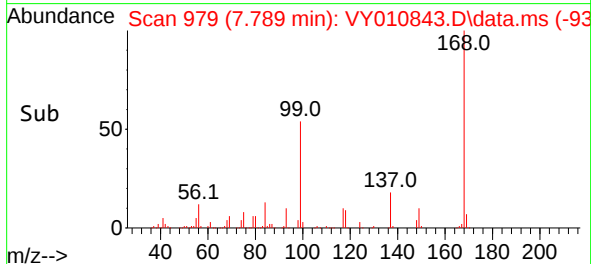
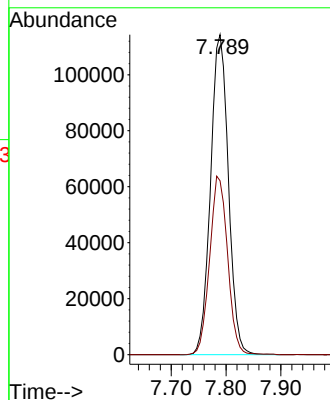
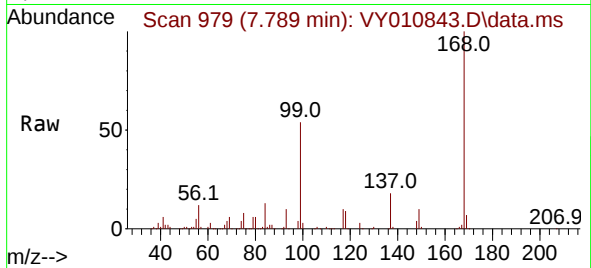




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

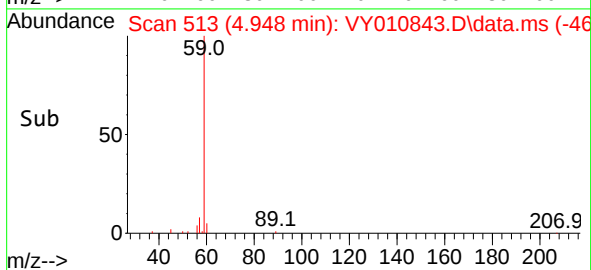
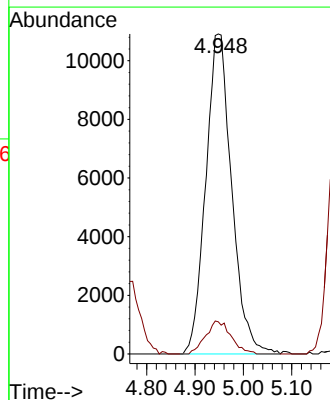
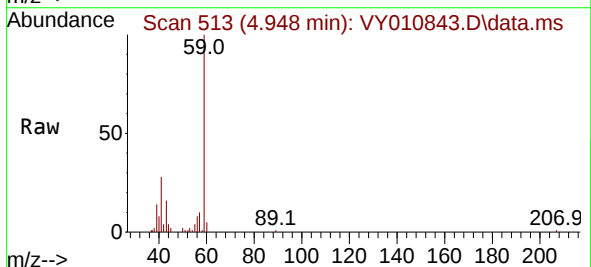
Instrument :
MSVOA_Y
ClientSampleId :
D22019-8.5

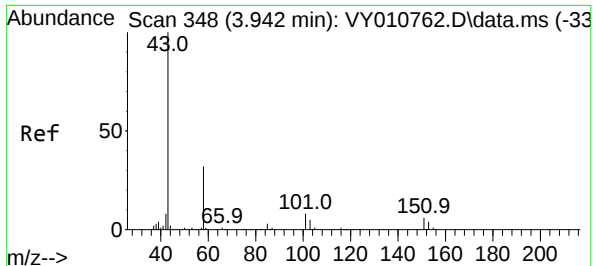
Tgt Ion:168 Resp: 257833
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#11
Tert butyl alcohol
Concen: 157.673 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

Tgt Ion: 59 Resp: 40615
Ion Ratio Lower Upper
59 100
57 10.1 6.4 9.6#

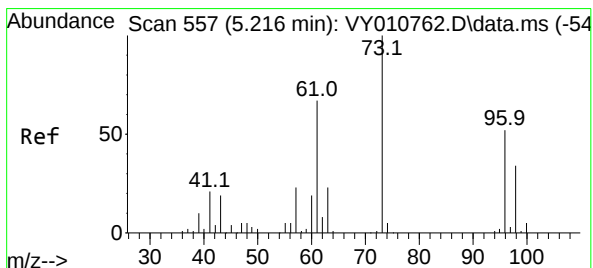
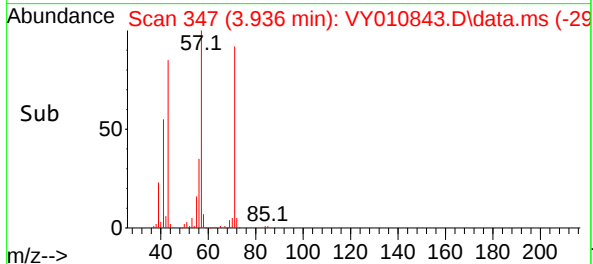
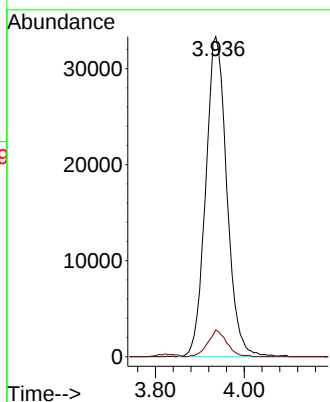
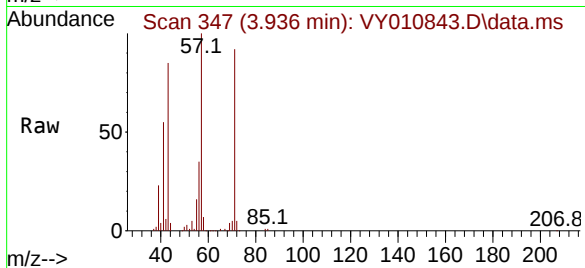




#16
Acetone
Concen: 165.874 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

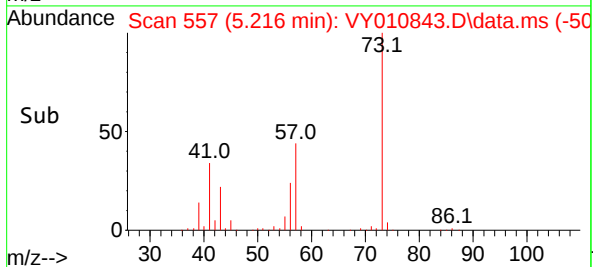
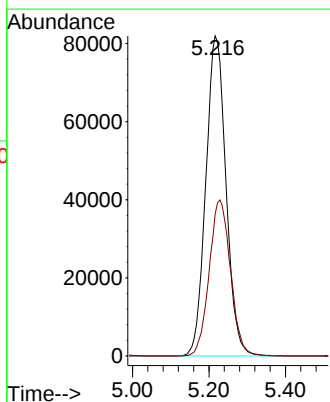
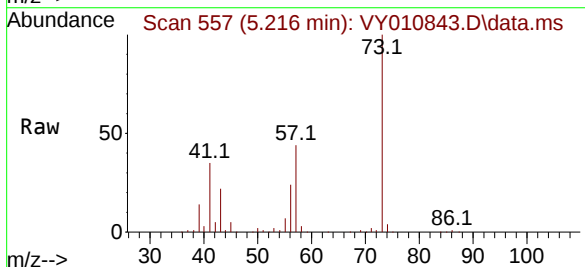
Instrument :
MSVOA_Y
ClientSampleId :
D22019-8.5

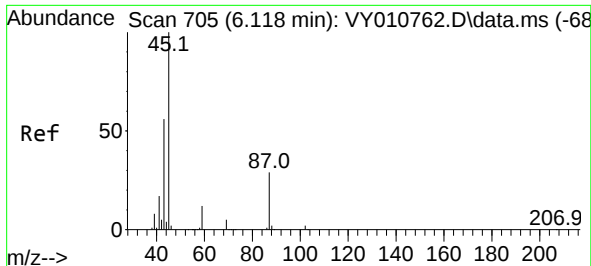
Tgt Ion: 43 Resp: 110099
Ion Ratio Lower Upper
43 100
58 8.3 22.0 33.0#



#19
Methyl tert-butyl Ether
Concen: 47.066 ug/l
RT: 5.216 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

Tgt Ion: 73 Resp: 300340
Ion Ratio Lower Upper
73 100
57 44.4 18.6 27.8#

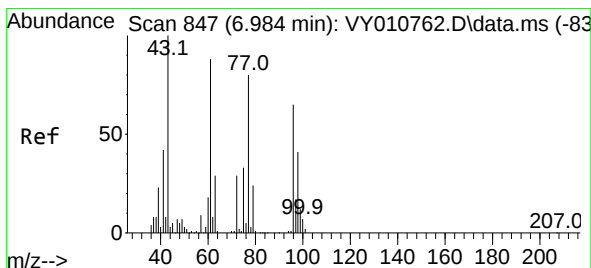
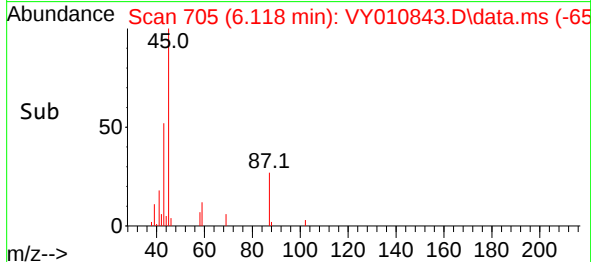
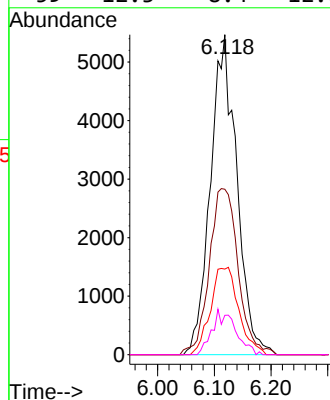
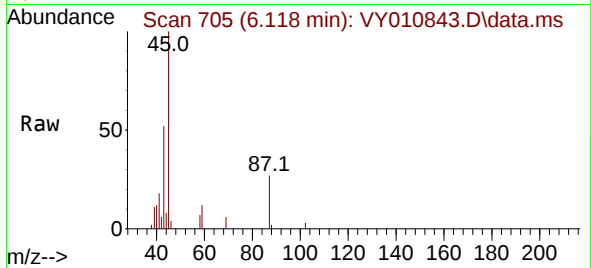




#22
Diisopropyl ether
Concen: 2.202 ug/l
RT: 6.118 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

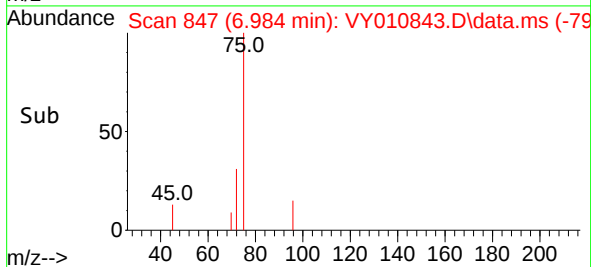
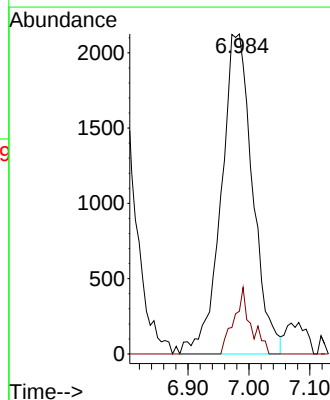
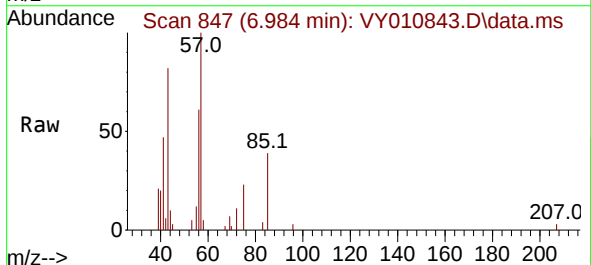
Instrument :
MSVOA_Y
ClientSampleId :
D22019-8.5

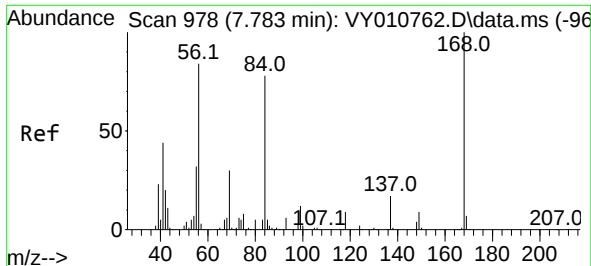
Tgt Ion:	45	Resp:	17623
Ion	Ratio	Lower	Upper
45	100		
43	51.7	49.3	73.9
87	26.7	19.2	28.8
59	12.3	8.4	12.6



#25
2-Butanone
Concen: 7.990 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

Tgt Ion:	43	Resp:	7625
Ion	Ratio	Lower	Upper
43	100		
72	13.4	17.7	26.5#

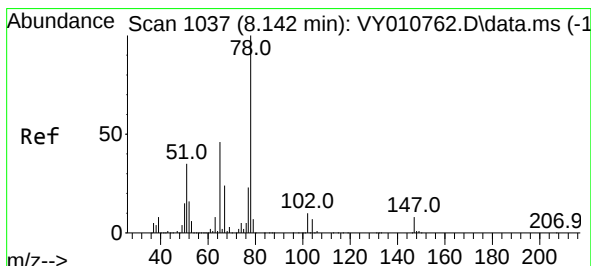
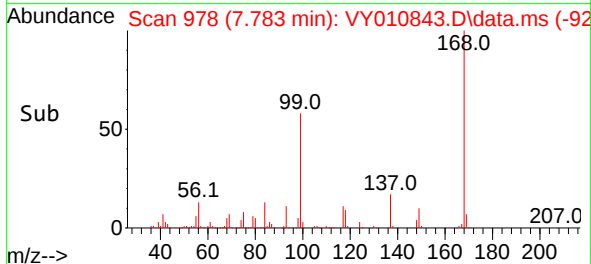
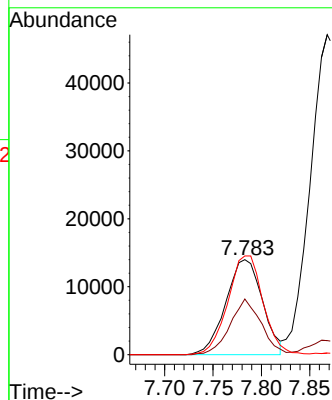
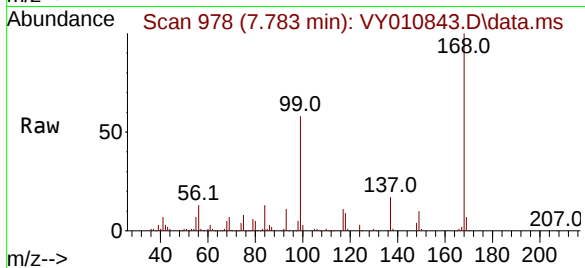




#31
Cyclohexane
Concen: 7.894 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

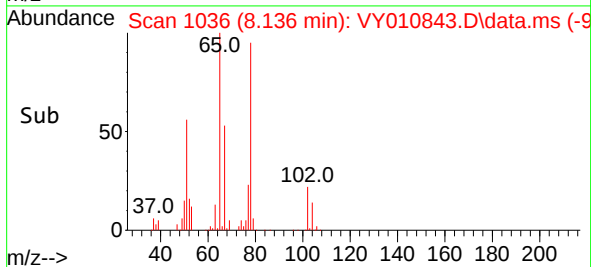
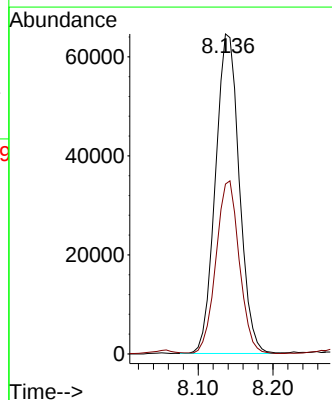
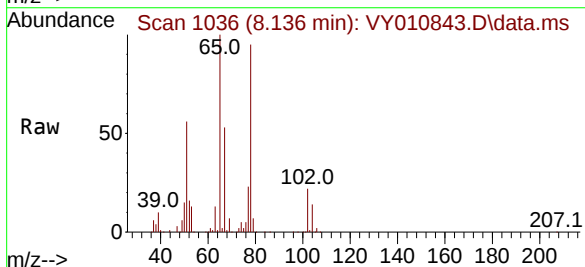
Instrument :
MSVOA_Y
ClientSampleId :
D22019-8.5

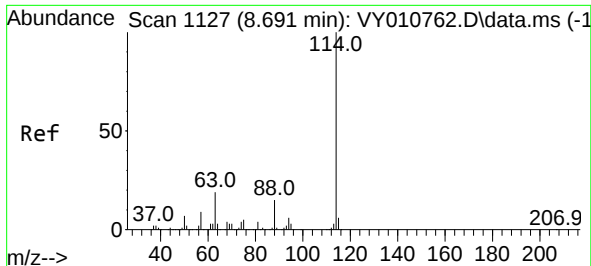
Tgt Ion: 56 Resp: 36930
Ion Ratio Lower Upper
56 100
69 58.6 26.7 40.1#
84 103.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.809 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

Tgt Ion: 65 Resp: 143242
Ion Ratio Lower Upper
65 100
67 52.8 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: VY010843.D

Acq: 06 Oct 2022 14:37

Instrument :

MSVOA_Y

ClientSampleId :

D22019-8.5

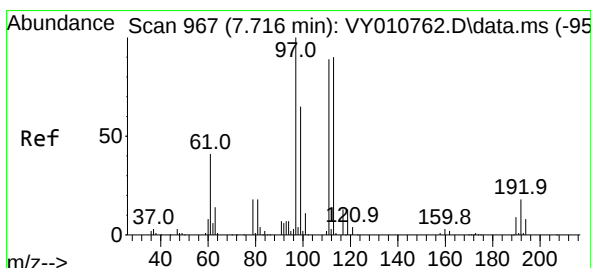
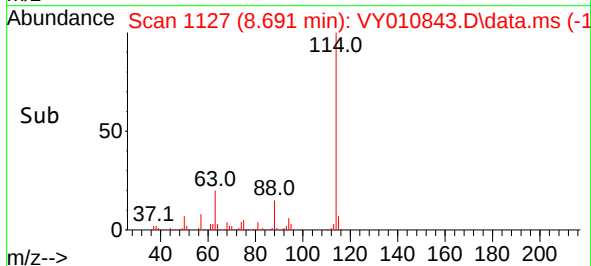
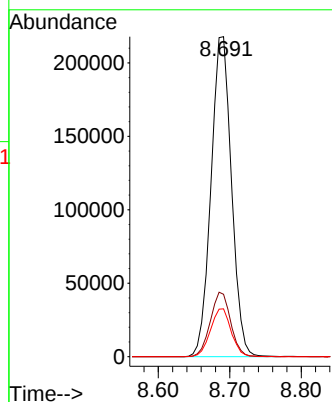
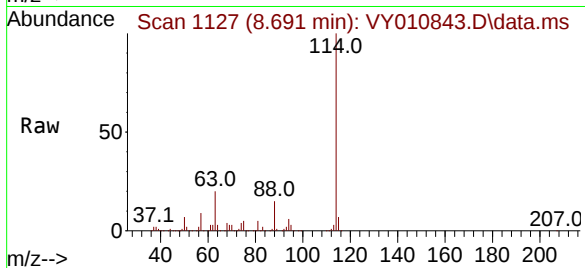
Tgt Ion:114 Resp: 433078

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.711 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010843.D

Acq: 06 Oct 2022 14:37

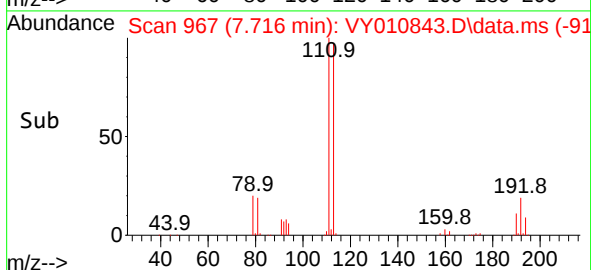
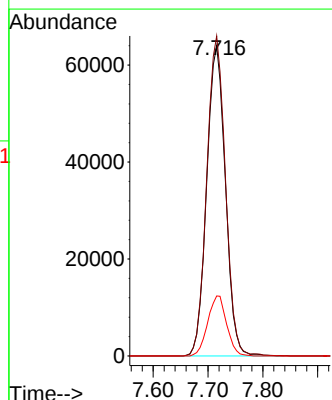
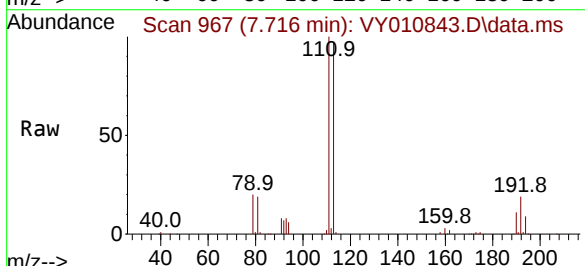
Tgt Ion:113 Resp: 151534

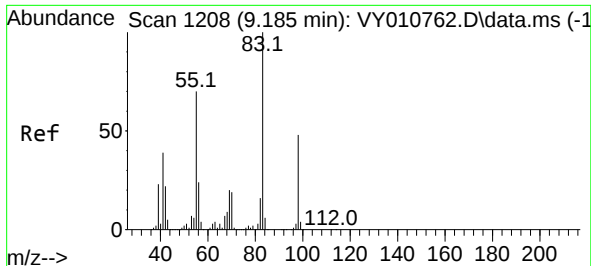
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 19.5 17.6 26.4





#39

Methylcyclohexane

Concen: 12.086 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010843.D

Acq: 06 Oct 2022 14:37

Instrument :

MSVOA_Y

ClientSampleId :

D22019-8.5

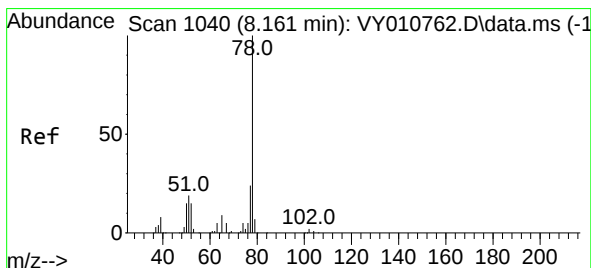
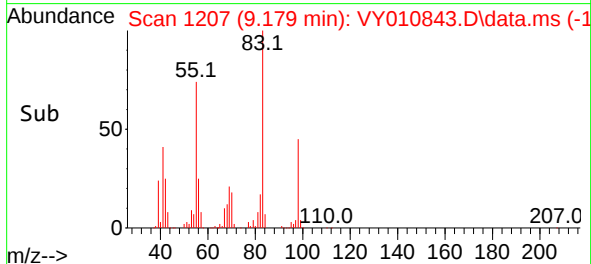
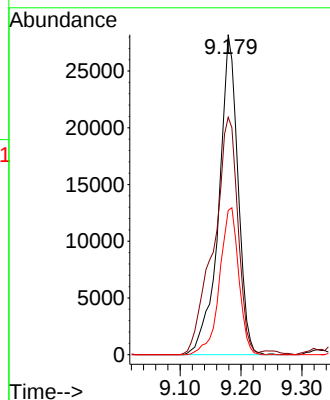
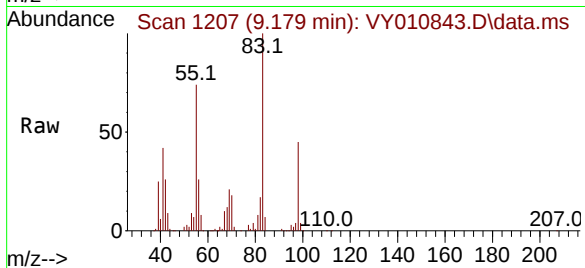
Tgt Ion: 83 Resp: 61610

Ion Ratio Lower Upper

83 100

55 74.2 66.5 99.7

98 45.1 37.9 56.9



#40

Benzene

Concen: 34.426 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY010843.D

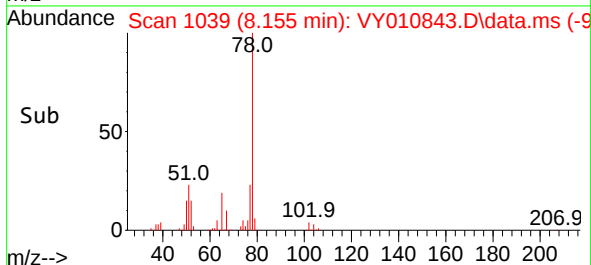
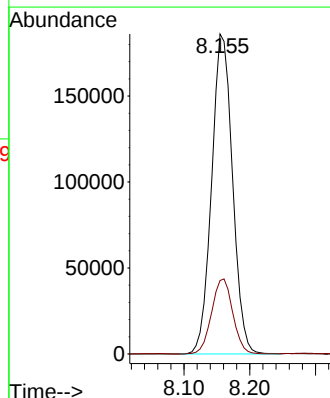
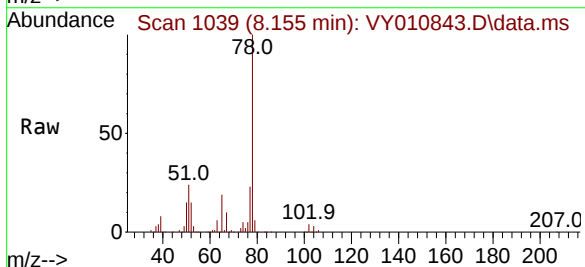
Acq: 06 Oct 2022 14:37

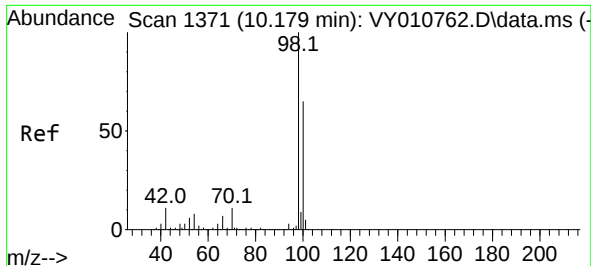
Tgt Ion: 78 Resp: 411562

Ion Ratio Lower Upper

78 100

77 23.0 20.4 30.6

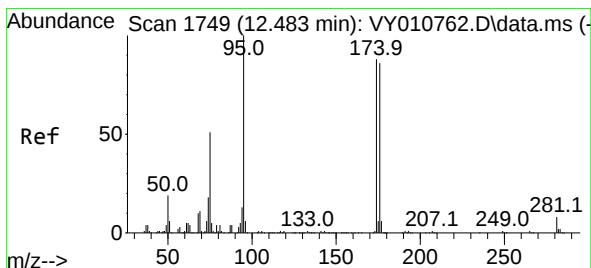
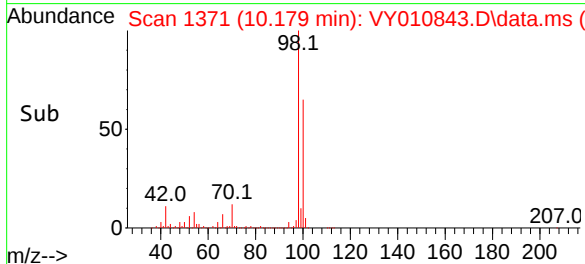
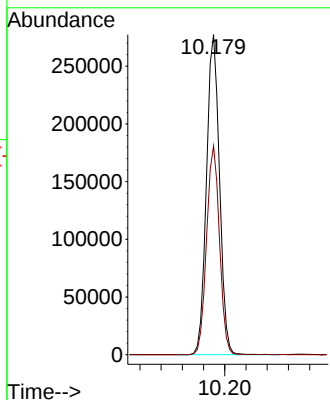
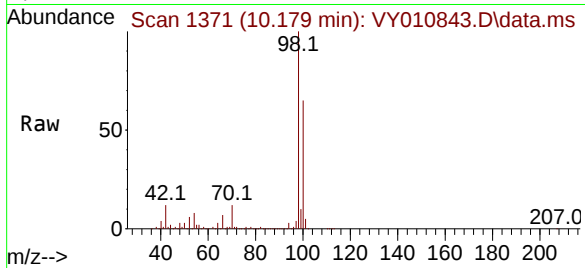




#50
Toluene-d8
Concen: 47.957 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

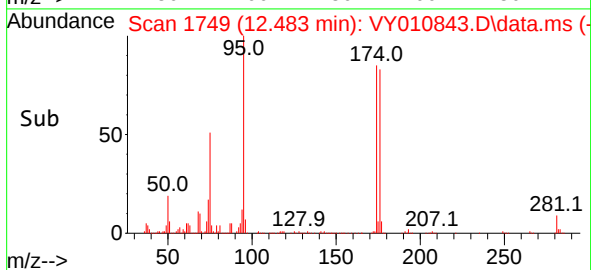
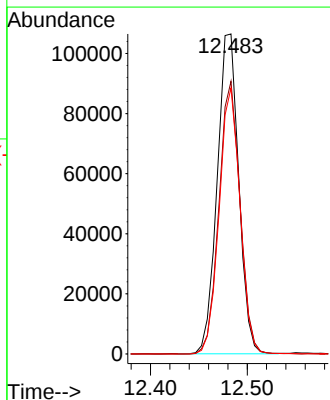
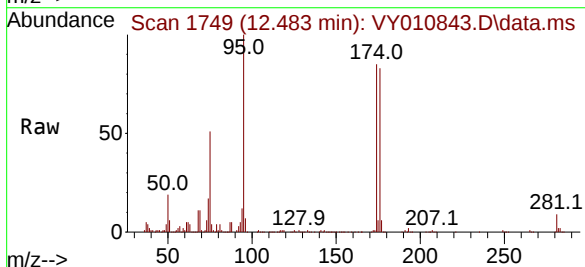
Instrument :
MSVOA_Y
ClientSampleId :
D22019-8.5

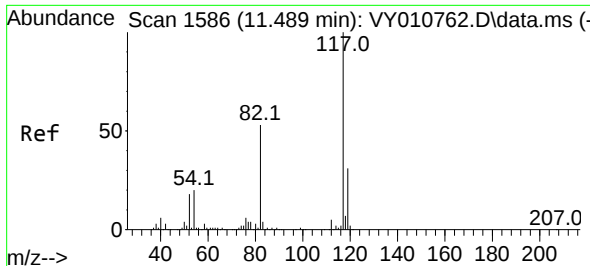
Tgt Ion: 98 Resp: 471492
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.182 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

Tgt Ion: 95 Resp: 164233
Ion Ratio Lower Upper
95 100
174 83.6 0.0 177.0
176 80.9 0.0 175.8

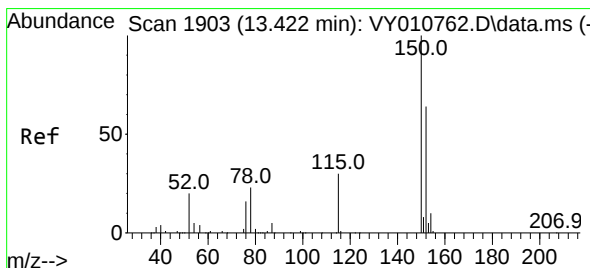
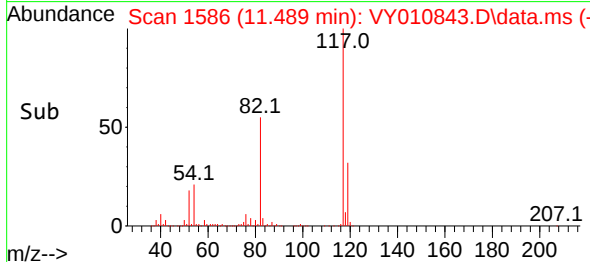
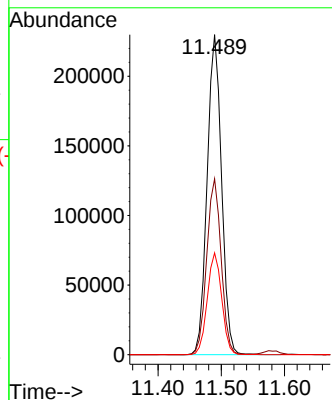
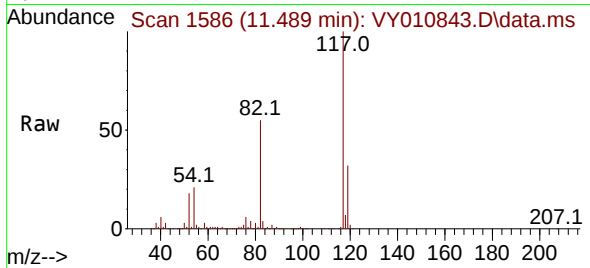




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

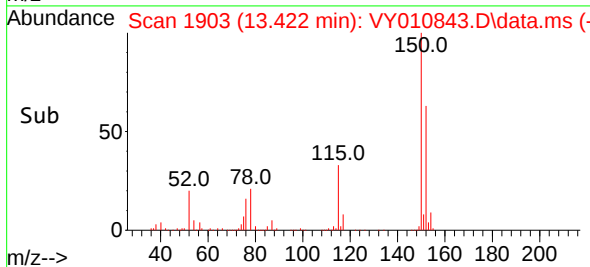
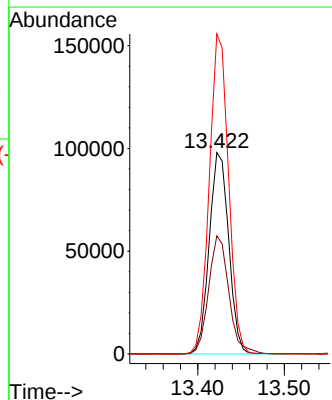
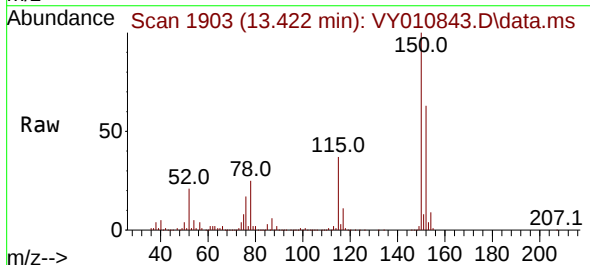
Instrument :
MSVOA_Y
ClientSampleId :
D22019-8.5

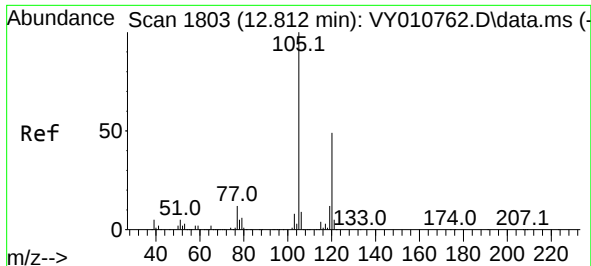
Tgt Ion:117 Resp: 364491
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010843.D
Acq: 06 Oct 2022 14:37

Tgt Ion:152 Resp: 153260
Ion Ratio Lower Upper
152 100
115 60.6 28.2 84.7
150 156.7 0.0 347.6

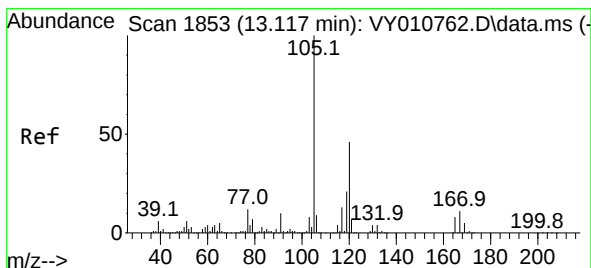
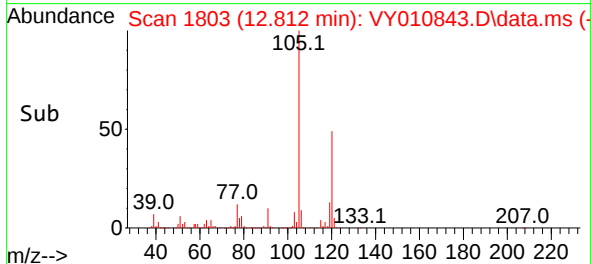
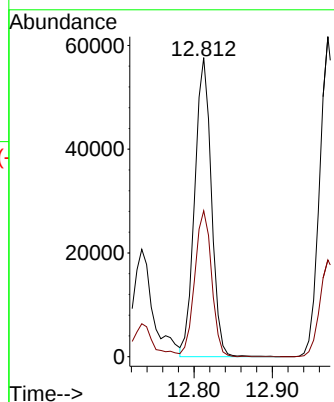
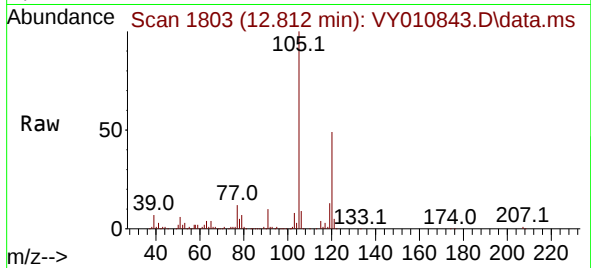




#80
 1,3,5-Trimethylbenzene
 Concen: 8.931 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY010843.D
 Acq: 06 Oct 2022 14:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22019-8.5

Tgt Ion:105 Resp: 85111
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.4



#84
 1,2,4-Trimethylbenzene
 Concen: 24.703 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY010843.D
 Acq: 06 Oct 2022 14:37

Tgt Ion:105 Resp: 231445
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.3 66.9

