

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009497.D
 Acq On : 08 Jul 2022 20:53
 Operator : KP/MD
 Sample : N3593-12
 Misc : 4.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220486C-4C

Quant Time: Jul 11 02:17:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

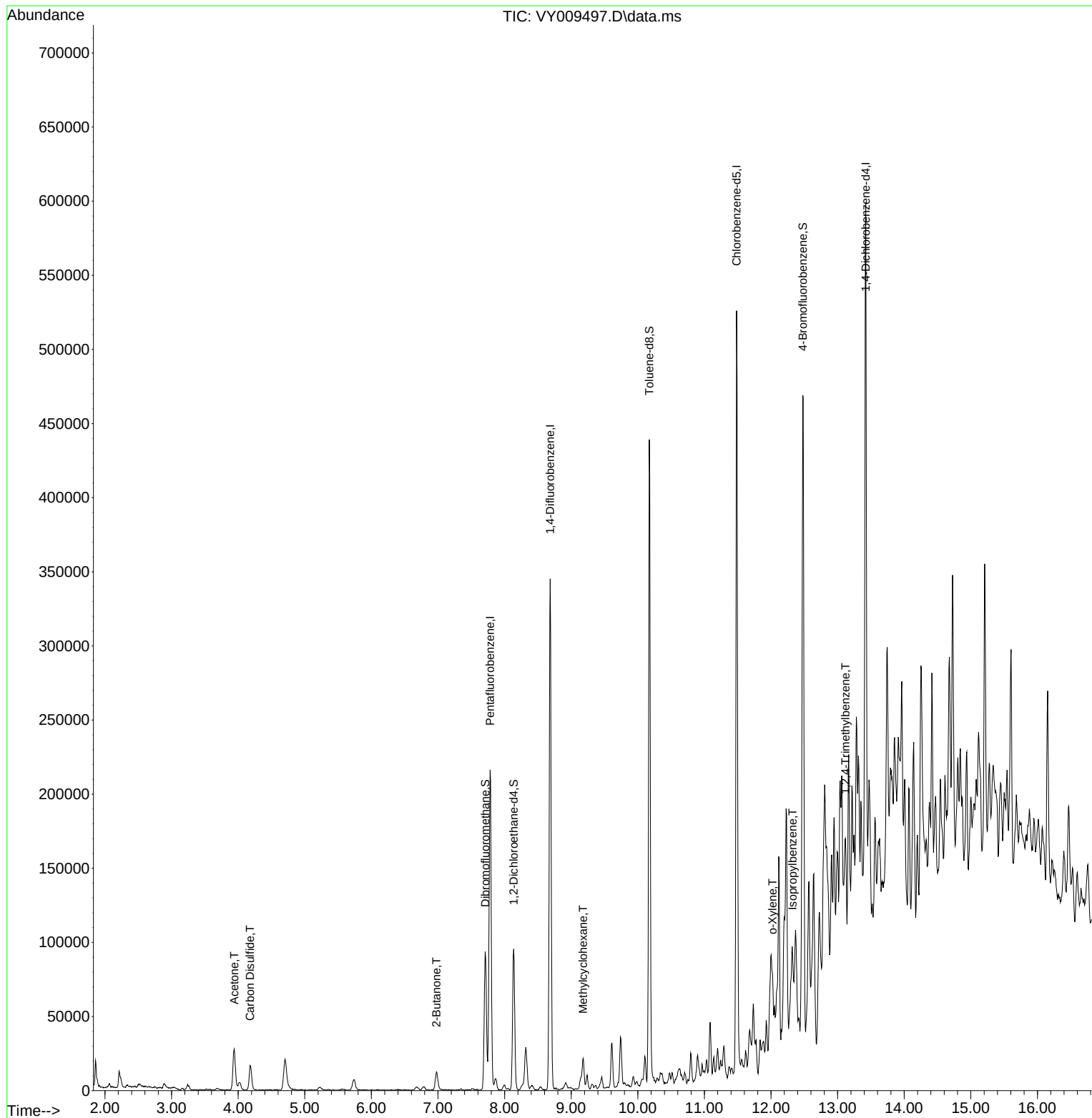
Internal Standards						
1) Pentafluorobenzene	7.783	168	167991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	294110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	273280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73063	63.490	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.980%	
35) Dibromofluoromethane	7.710	113	65532	42.347	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 84.700%	
50) Toluene-d8	10.173	98	267527	65.584	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 131.160%#	
62) 4-Bromofluorobenzene	12.477	95	91935	42.086	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 84.180%	
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	47741	116.822	ug/l #	85
17) Carbon Disulfide	4.180	76	31732	10.755	ug/l	97
25) 2-Butanone	6.978	43	18251	27.608	ug/l	100
39) Methylcyclohexane	9.179	83	6531	2.160	ug/l #	89
69) o-Xylene	12.026	106	8239	2.352	ug/l	91
73) Isopropylbenzene	12.325	105	10211	1.173	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	27706	3.825	ug/l	98

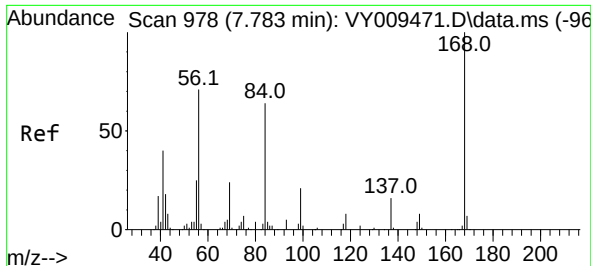
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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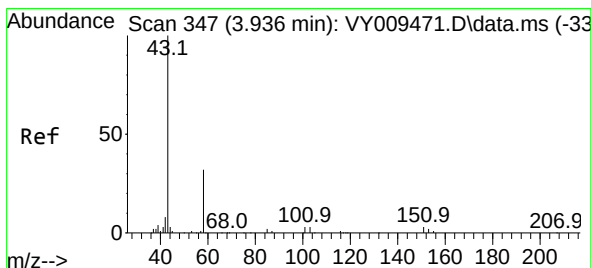
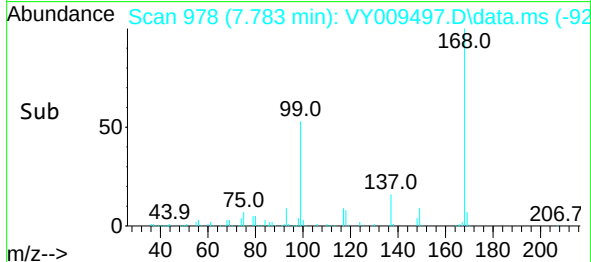
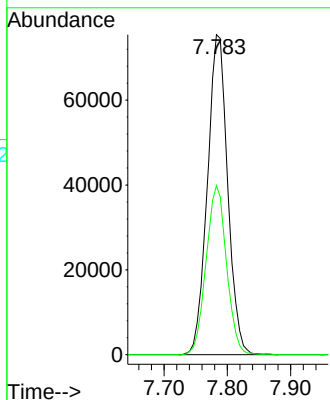
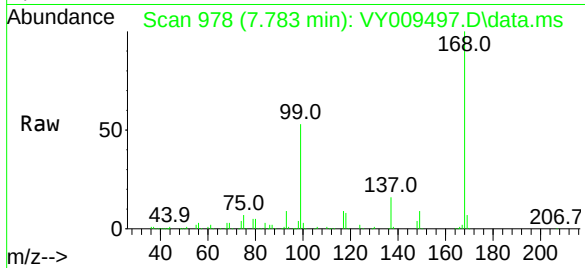




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

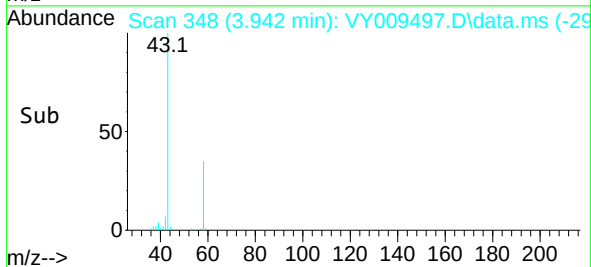
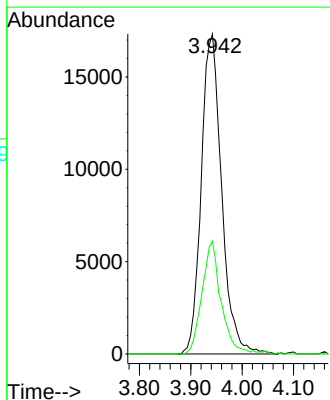
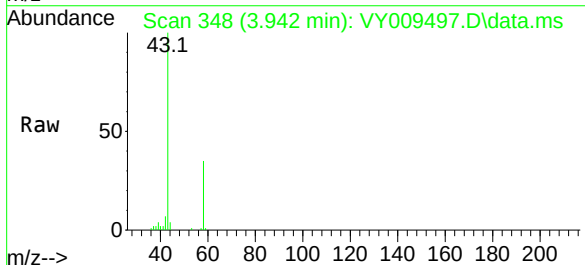
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

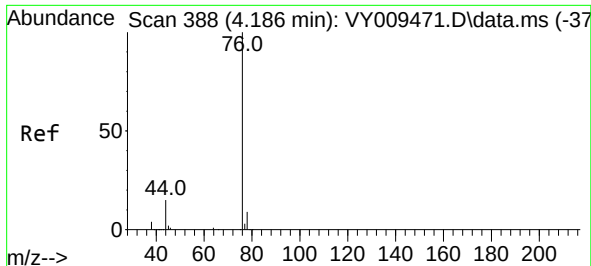
Tgt Ion:168 Resp: 167991
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#16
Acetone
Concen: 116.822 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion: 43 Resp: 47741
Ion Ratio Lower Upper
43 100
58 35.2 22.0 33.0#

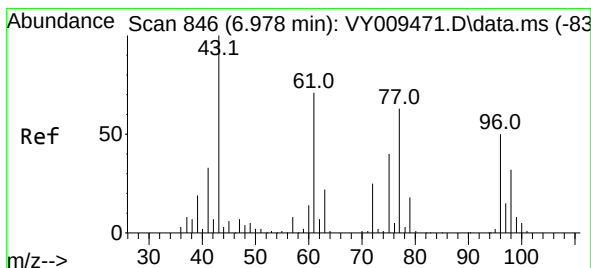
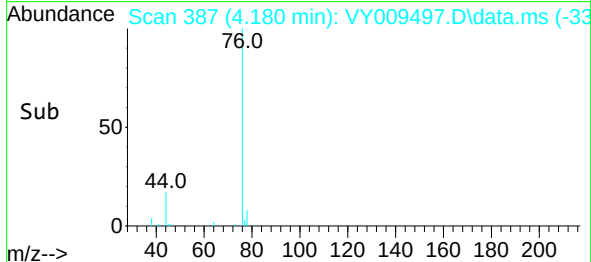
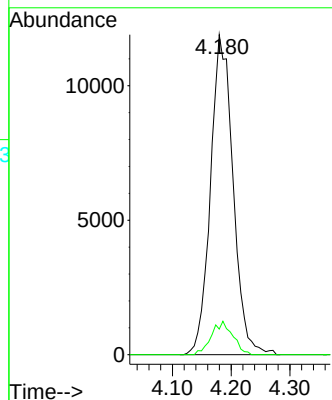
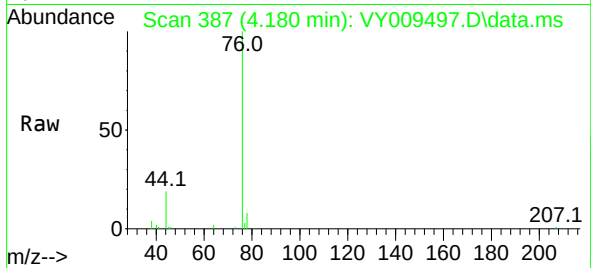




#17
Carbon Disulfide
Concen: 10.755 ug/l
RT: 4.180 min Scan# 317
Delta R.T. -0.006 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

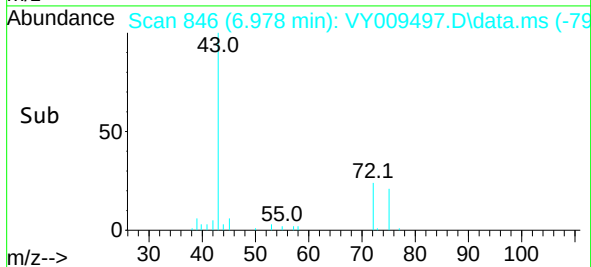
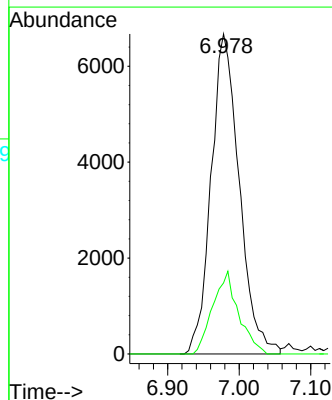
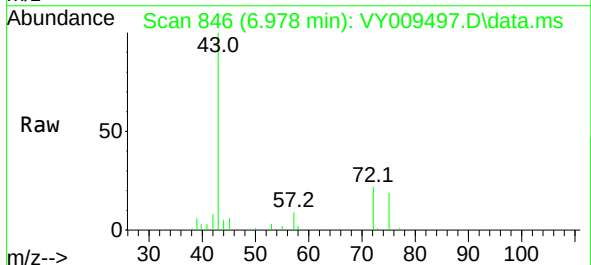
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

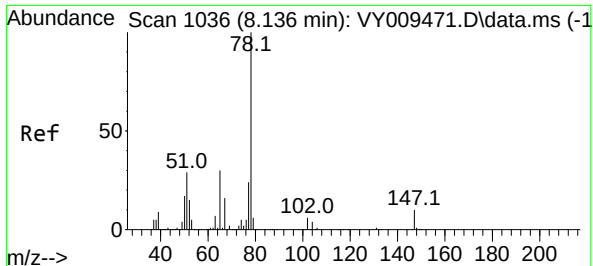
Tgt Ion: 76 Resp: 31732
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0



#25
2-Butanone
Concen: 27.608 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion: 43 Resp: 18251
Ion Ratio Lower Upper
43 100
72 22.2 17.7 26.5

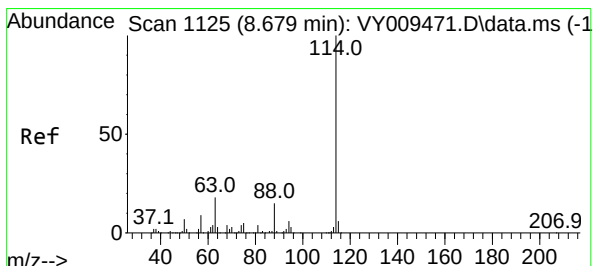
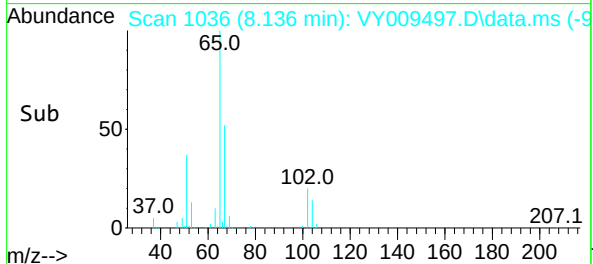
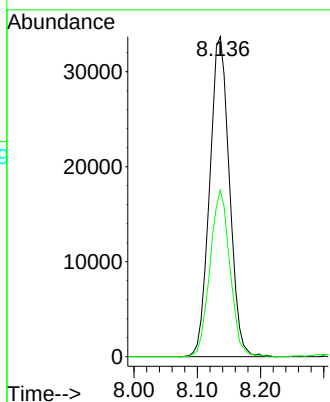
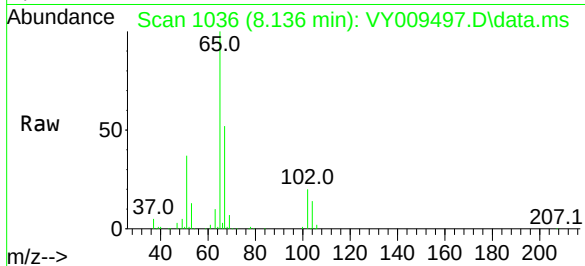




#33
 1,2-Dichloroethane-d4
 Concen: 63.490 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY009497.D
 Acq: 08 Jul 2022 20:53

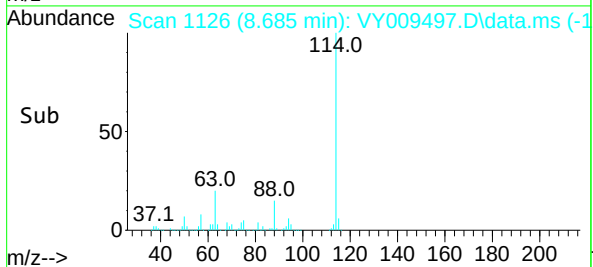
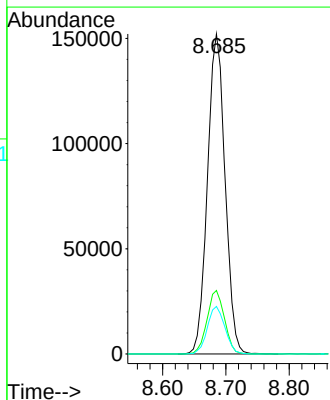
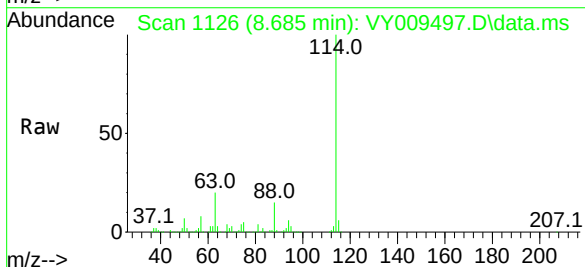
Instrument :
 MSVOA_Y
 ClientSampleId :
 20220486C-4C

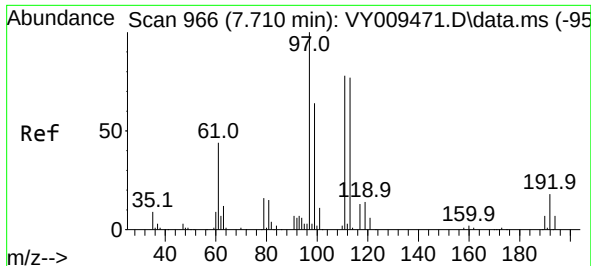
Tgt Ion: 65 Resp: 73063
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: VY009497.D
 Acq: 08 Jul 2022 20:53

Tgt Ion: 114 Resp: 294110
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 43.2
 88 14.8 0.0 31.8

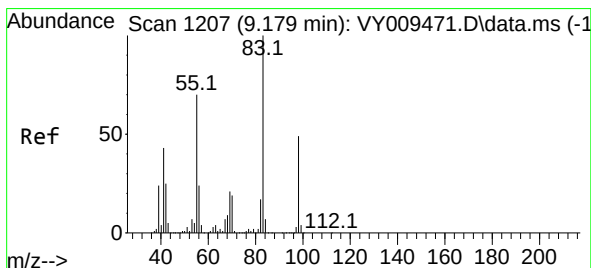
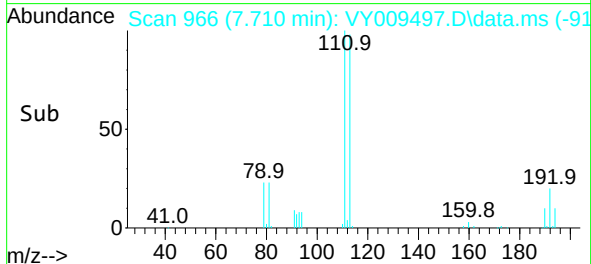
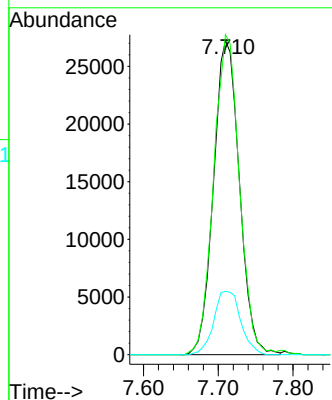
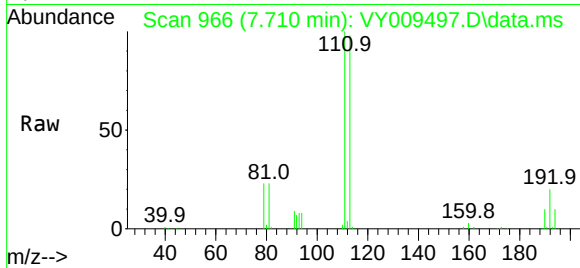




#35
Dibromofluoromethane
Concen: 42.347 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

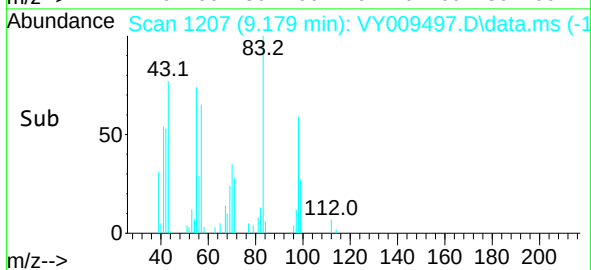
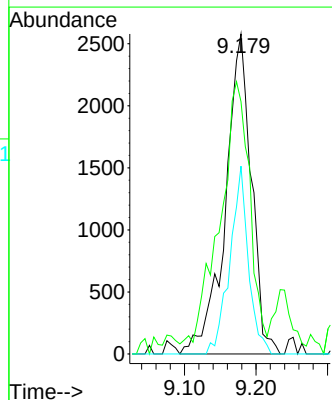
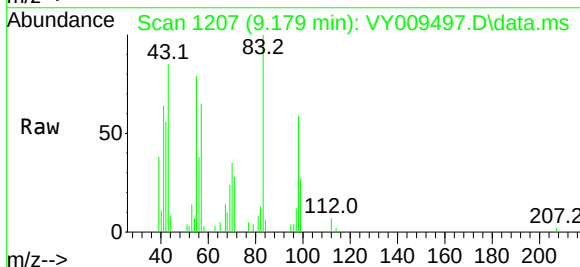
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

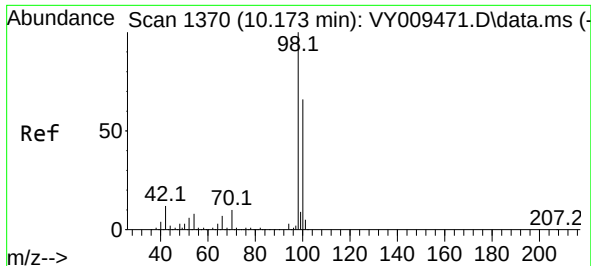
Tgt Ion:113 Resp: 65532
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 21.0 17.6 26.4



#39
Methylcyclohexane
Concen: 2.160 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion: 83 Resp: 6531
Ion Ratio Lower Upper
83 100
55 75.7 66.5 99.7
98 58.7 37.9 56.9#

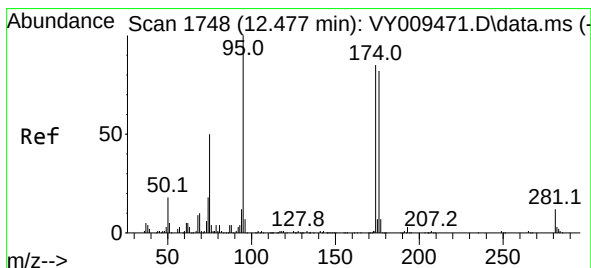
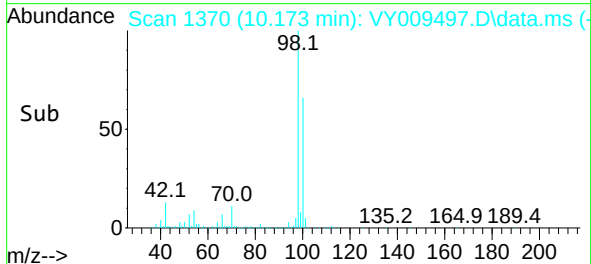
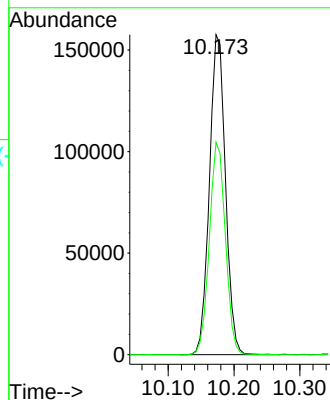
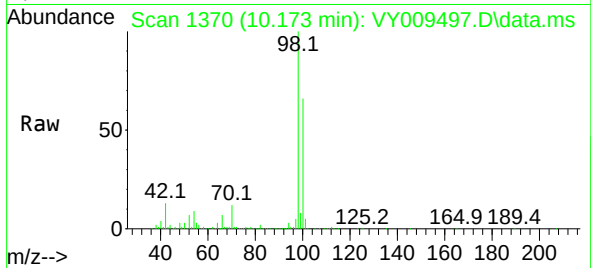




#50
Toluene-d8
Concen: 65.584 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

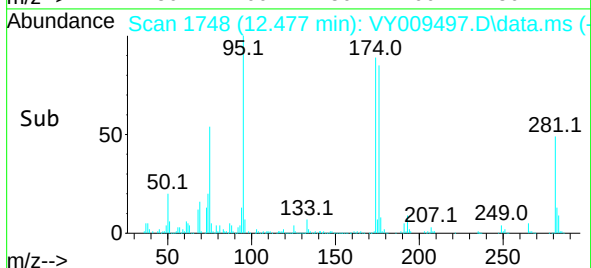
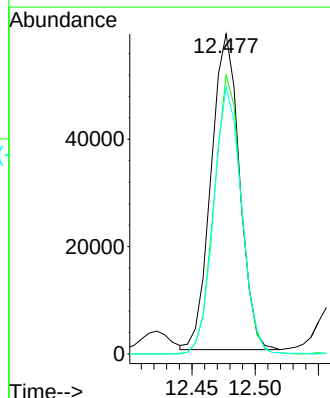
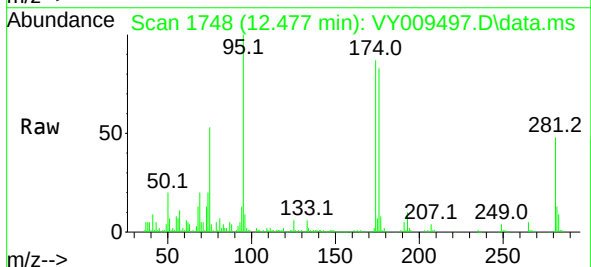
Instrument :
MSVOA_Y
ClientSampleId :
20220486C-4C

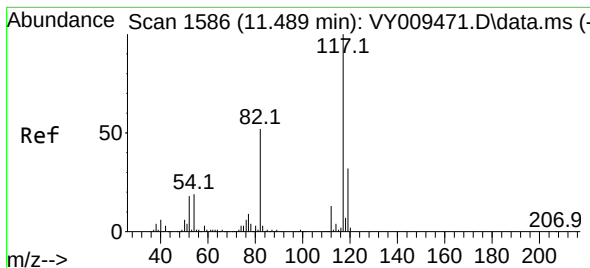
Tgt Ion: 98 Resp: 267527
Ion Ratio Lower Upper
98 100
100 66.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.086 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009497.D
Acq: 08 Jul 2022 20:53

Tgt Ion: 95 Resp: 91935
Ion Ratio Lower Upper
95 100
174 84.8 0.0 177.0
176 82.8 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY009497.D

Acq: 08 Jul 2022 20:53

Instrument :

MSVOA_Y

ClientSampleId :

20220486C-4C

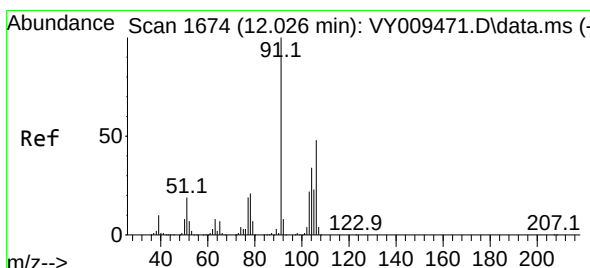
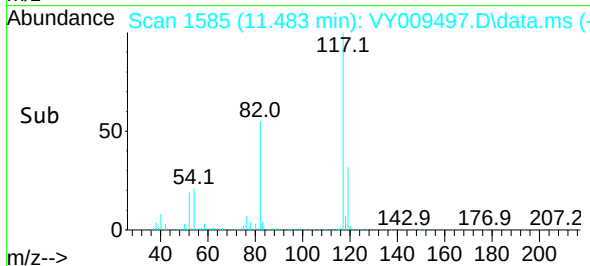
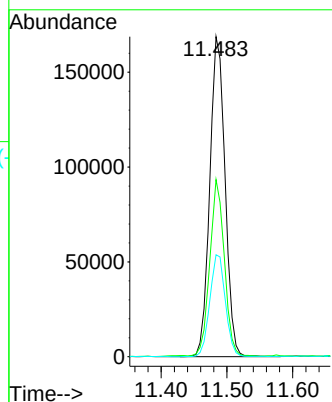
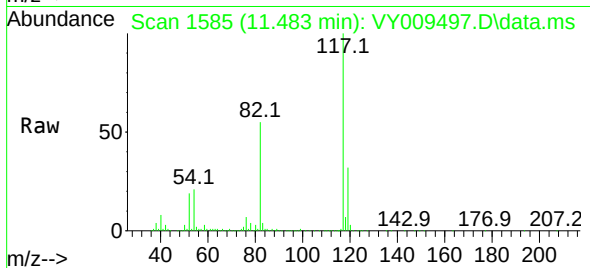
Tgt Ion:117 Resp: 273280

Ion Ratio Lower Upper

117 100

82 55.1 43.0 64.4

119 31.9 25.4 38.0



#69

o-Xylene

Concen: 2.352 ug/l

RT: 12.026 min Scan# 1674

Delta R.T. -0.000 min

Lab File: VY009497.D

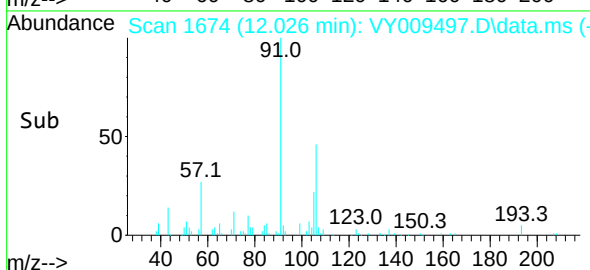
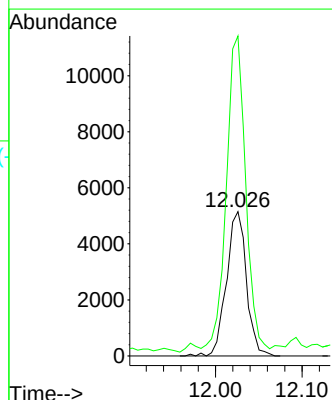
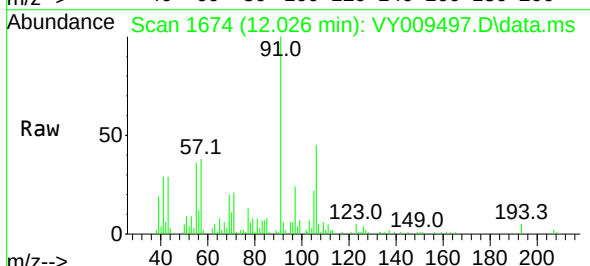
Acq: 08 Jul 2022 20:53

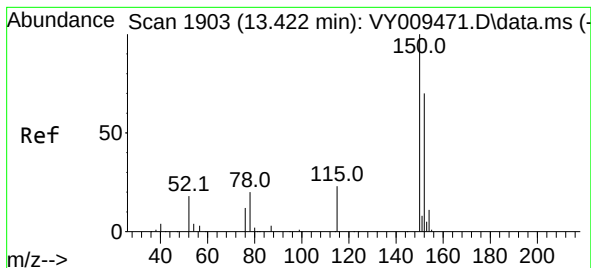
Tgt Ion:106 Resp: 8239

Ion Ratio Lower Upper

106 100

91 206.8 110.3 331.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009497.D

Acq: 08 Jul 2022 20:53

Instrument :

MSVOA_Y

ClientSampleId :

20220486C-4C

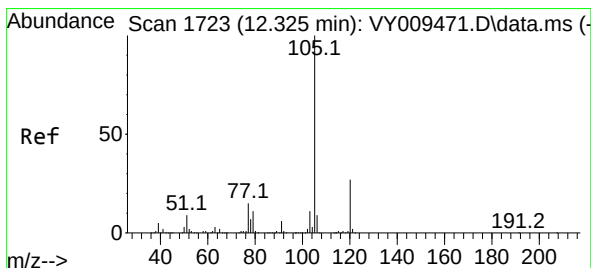
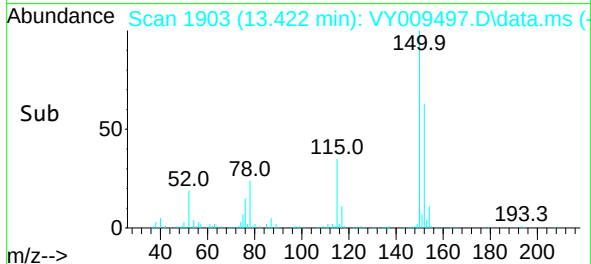
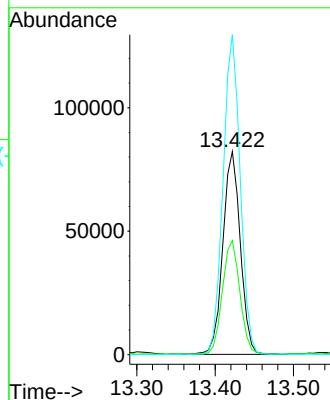
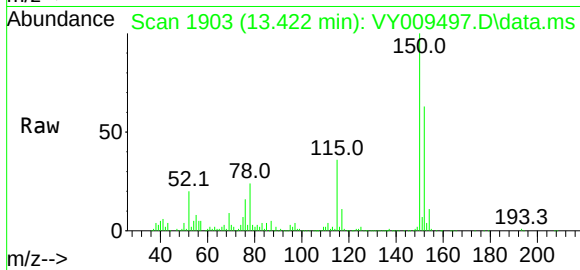
Tgt Ion:152 Resp: 127300

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.7

150 155.0 0.0 347.6



#73

Isopropylbenzene

Concen: 1.173 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY009497.D

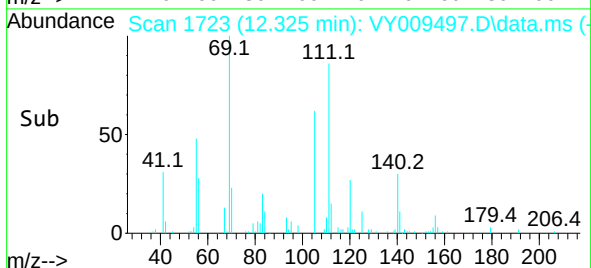
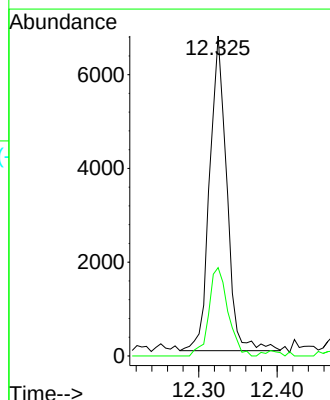
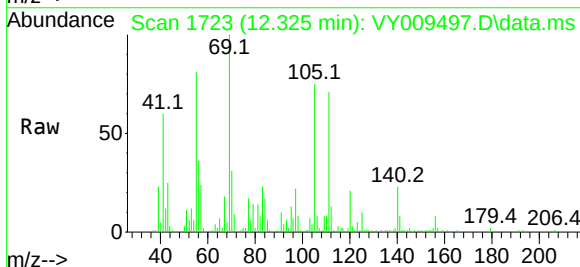
Acq: 08 Jul 2022 20:53

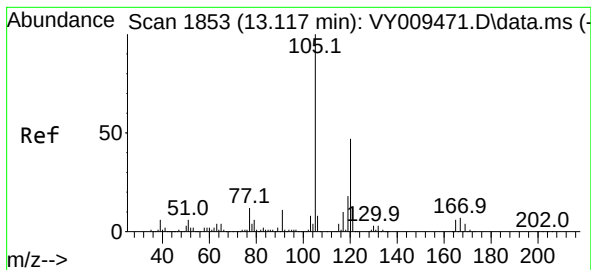
Tgt Ion:105 Resp: 10211

Ion Ratio Lower Upper

105 100

120 31.2 13.4 40.2





#84

1,2,4-Trimethylbenzene

Concen: 3.825 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009497.D

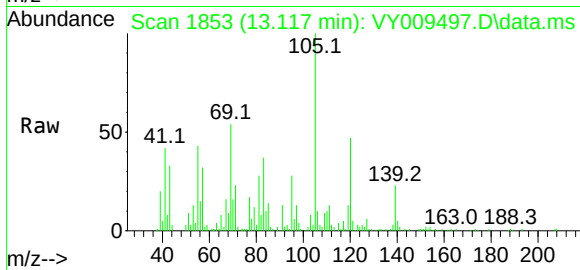
Acq: 08 Jul 2022 20:53

Instrument :

MSVOA_Y

ClientSampleId :

20220486C-4C



Tgt Ion:105 Resp: 27706

Ion Ratio Lower Upper

105 100

120 46.0 22.3 66.9

