

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014991.D
 Acq On : 08 Aug 2023 17:33
 Operator : SY/MD
 Sample : 03927-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1127

Quant Time: Aug 09 01:03:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

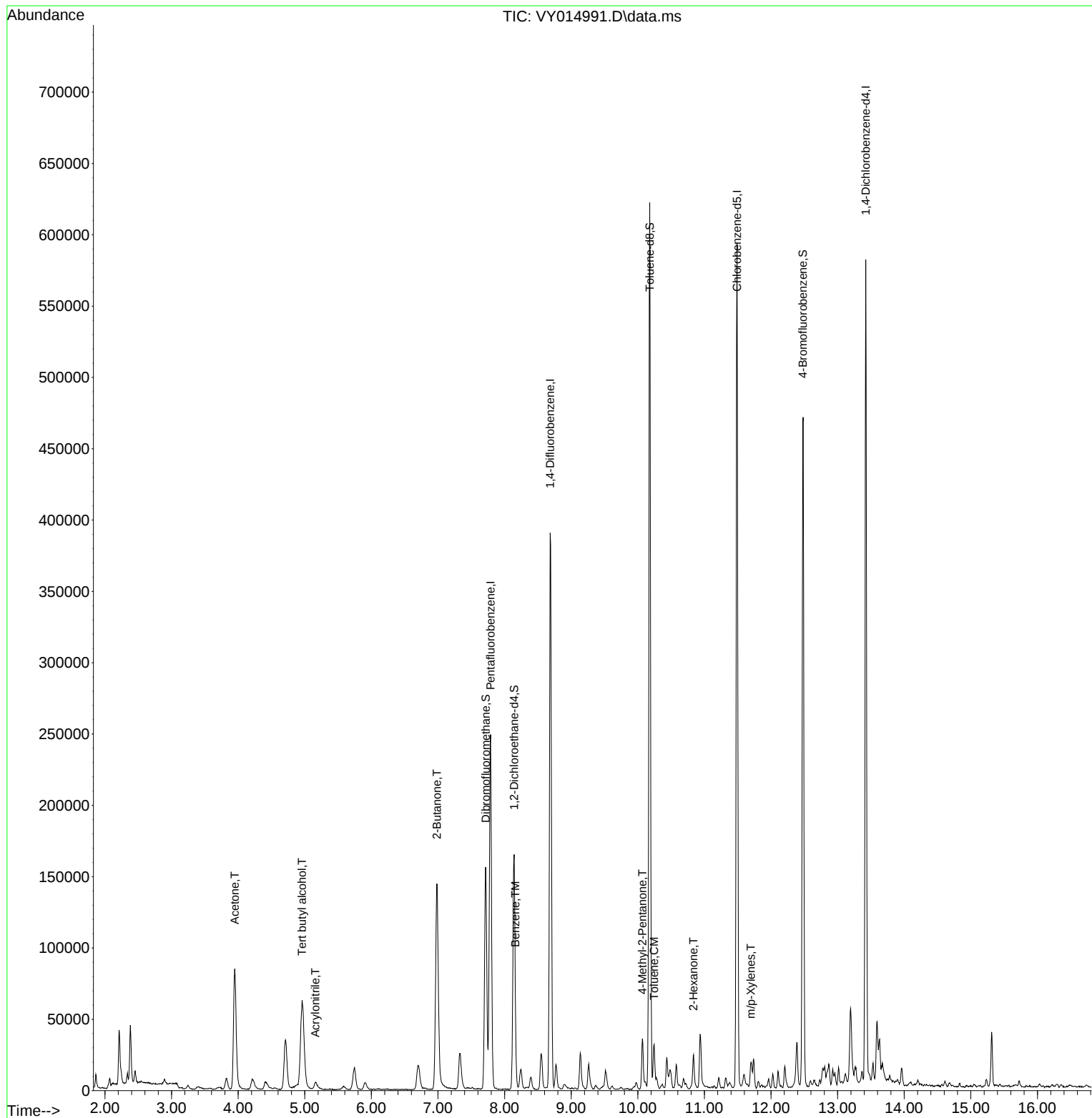
Internal Standards						
1) Pentafluorobenzene	7.789	168	190676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	340009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	316609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	125565	54.332	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.660%	
35) Dibromofluoromethane	7.716	113	107601	49.488	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.980%	
50) Toluene-d8	10.179	98	402414	48.625	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.260%	
62) 4-Bromofluorobenzene	12.477	95	141459	48.228	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	132657	237.842	ug/l #	80
15) Acrylonitrile	5.161	53	6506	9.877	ug/l	98
16) Acetone	3.948	43	153099	212.444	ug/l	92
25) 2-Butanone	6.984	43	165992	160.815	ug/l	97
40) Benzene	8.161	78	13211	1.662	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	23317	10.394	ug/l	92
52) Toluene	10.246	92	13245	2.589	ug/l	93
59) 2-Hexanone	10.837	43	11075	6.683	ug/l	88
68) m/p-Xylenes	11.697	106	5361	1.329	ug/l	87

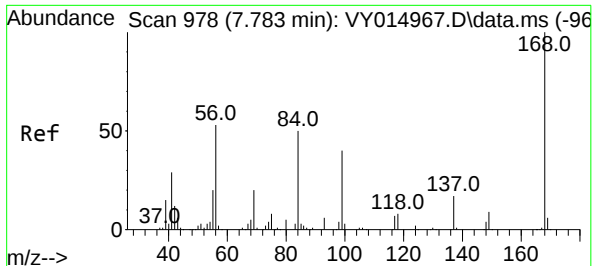
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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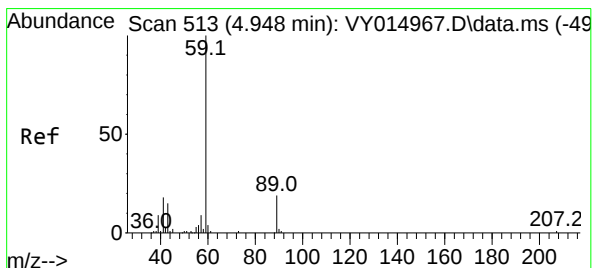
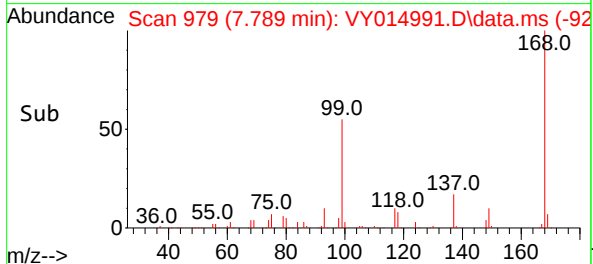
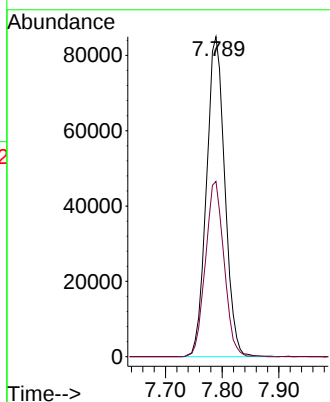
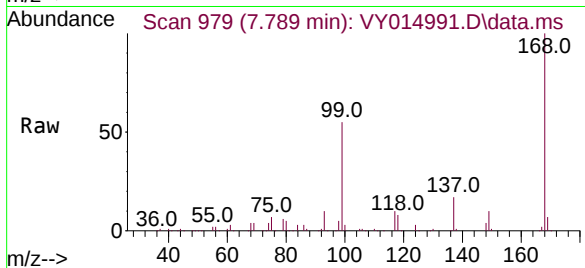




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

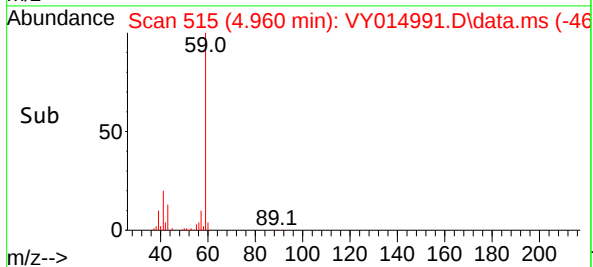
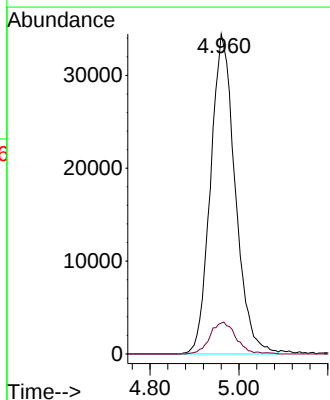
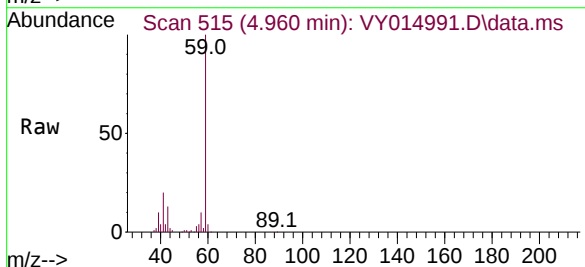
Instrument :
MSVOA_Y
ClientSampleId :
1127

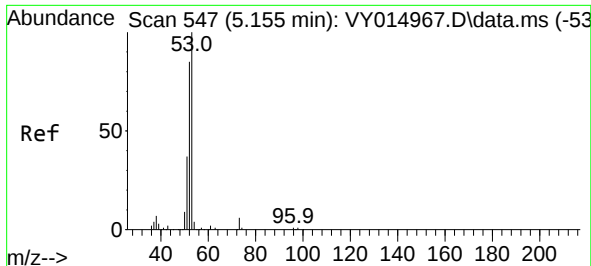
Tgt Ion:168 Resp: 190676
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#11
Tert butyl alcohol
Concen: 237.842 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

Tgt Ion: 59 Resp: 132657
Ion Ratio Lower Upper
59 100
57 10.4 3.0 4.4#

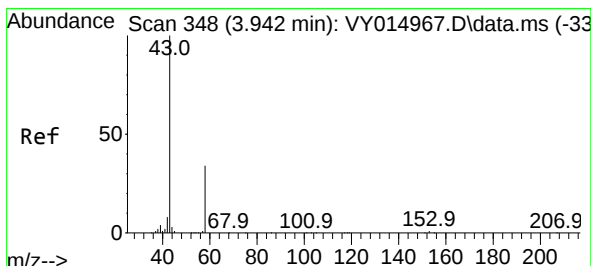
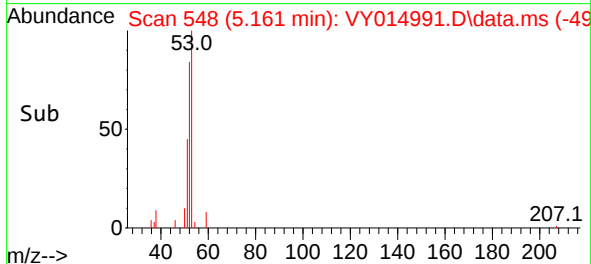
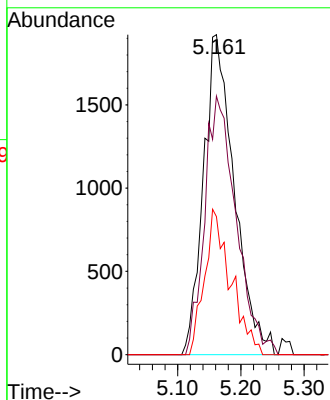
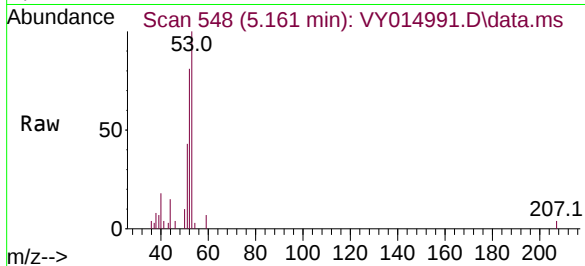




#15
Acrylonitrile
Concen: 9.877 ug/l
RT: 5.161 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

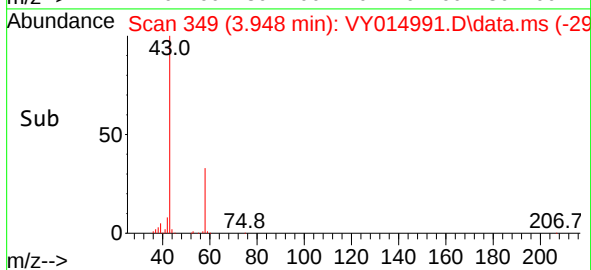
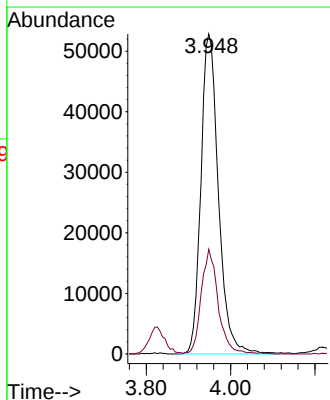
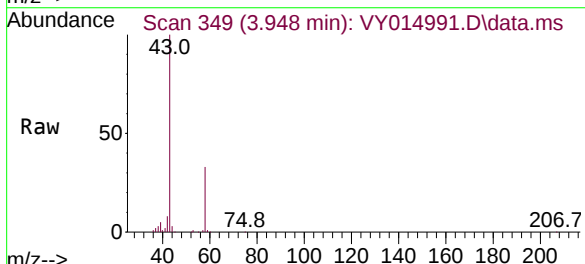
Instrument :
MSVOA_Y
ClientSampleId :
1127

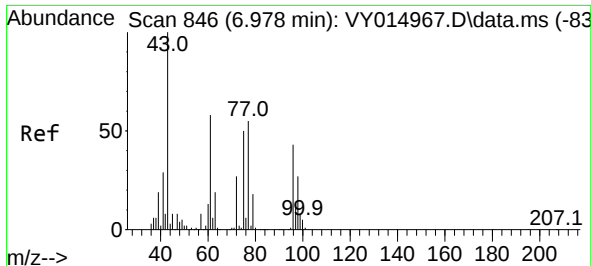
Tgt Ion: 53	Resp: 6506
Ion Ratio	Lower Upper
53 100	
52 82.5	66.9 100.3
51 38.6	29.8 44.6



#16
Acetone
Concen: 212.444 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

Tgt Ion: 43	Resp: 153099
Ion Ratio	Lower Upper
43 100	
58 32.7	22.7 34.1

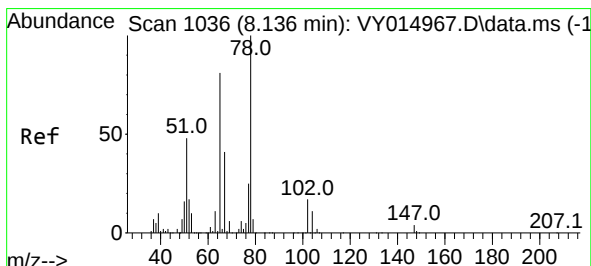
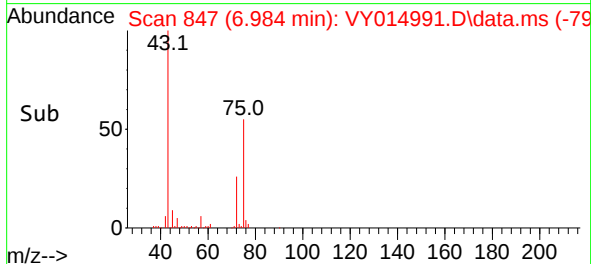
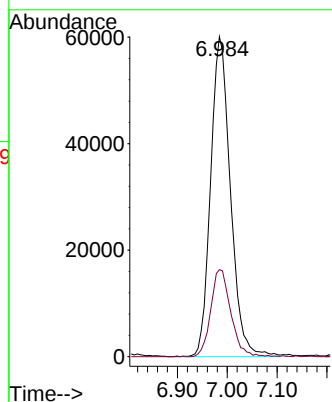
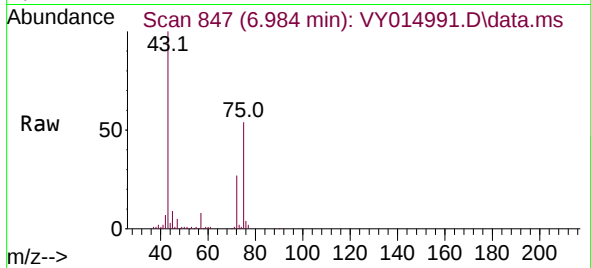




#25
2-Butanone
Concen: 160.815 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

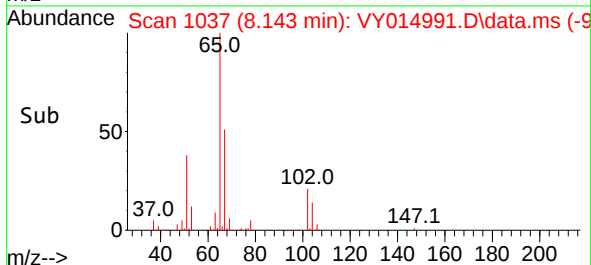
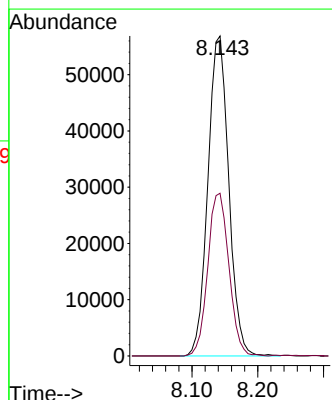
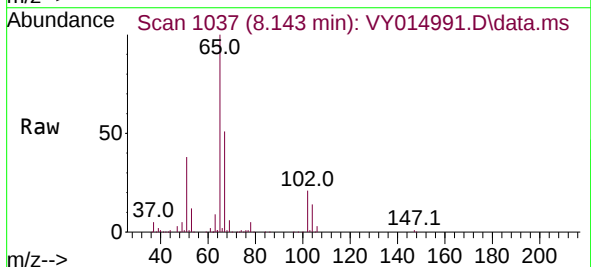
Instrument :
MSVOA_Y
ClientSampleId :
1127

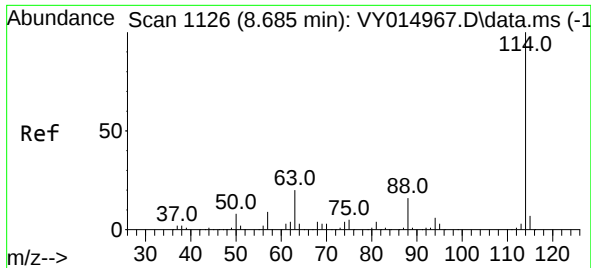
Tgt Ion: 43 Resp: 165992
Ion Ratio Lower Upper
43 100
72 27.2 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 54.332 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

Tgt Ion: 65 Resp: 125565
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.8

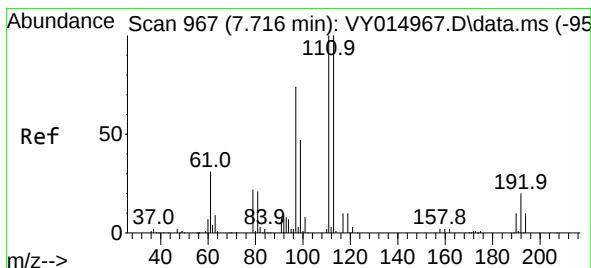
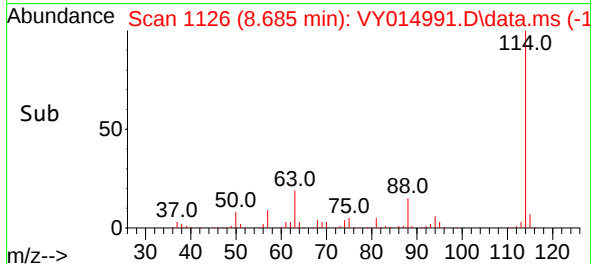
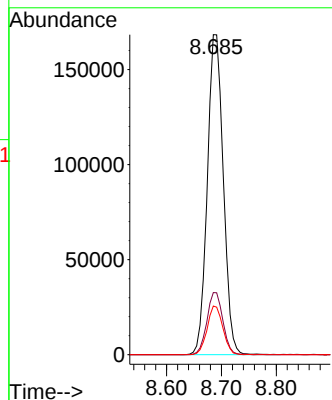
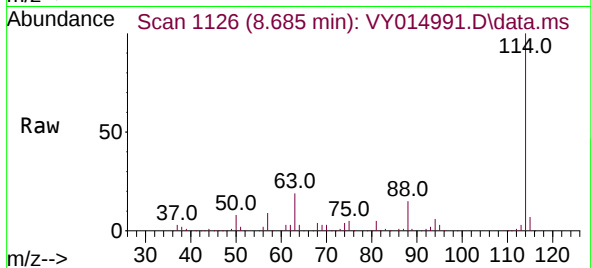




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

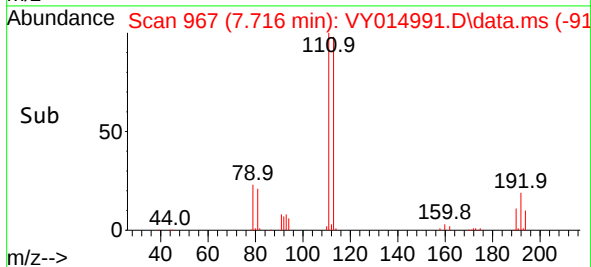
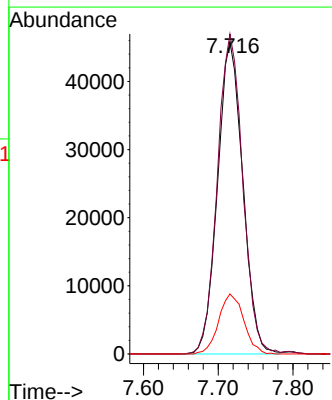
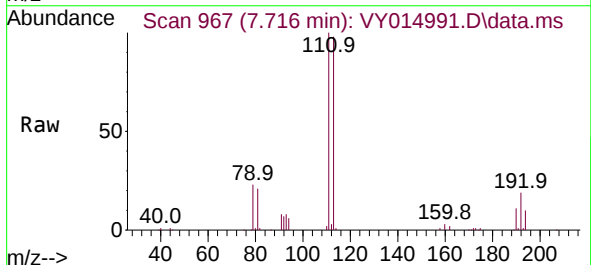
Instrument :
MSVOA_Y
ClientSampleId :
1127

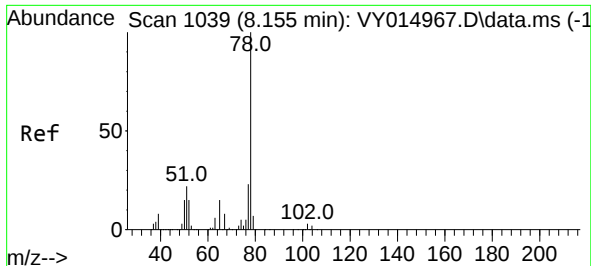
Tgt Ion:114 Resp: 340009
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.488 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

Tgt Ion:113 Resp: 107601
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 19.1 16.9 25.3

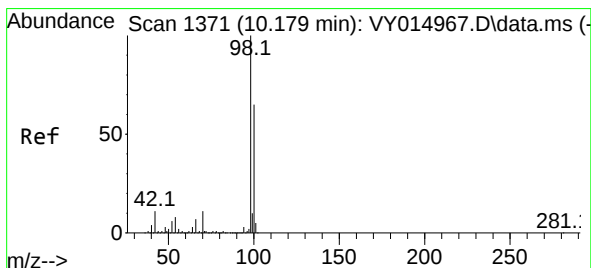
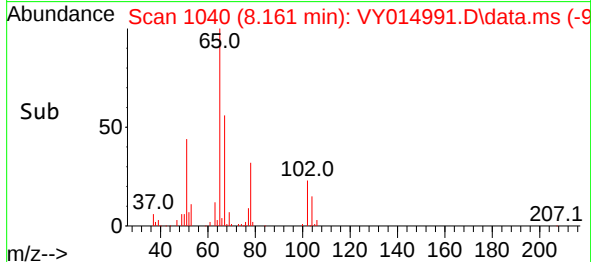
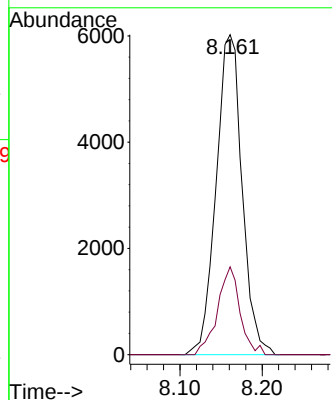
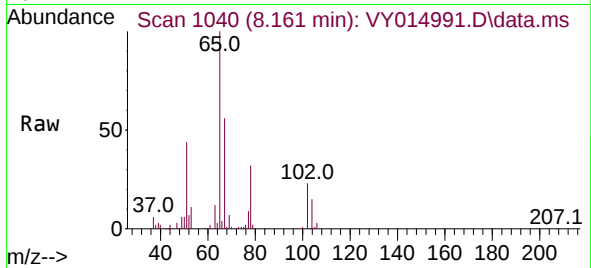




#40
Benzene
Concen: 1.662 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

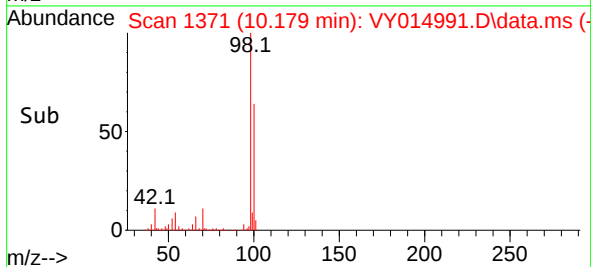
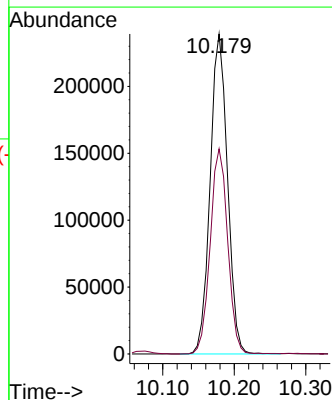
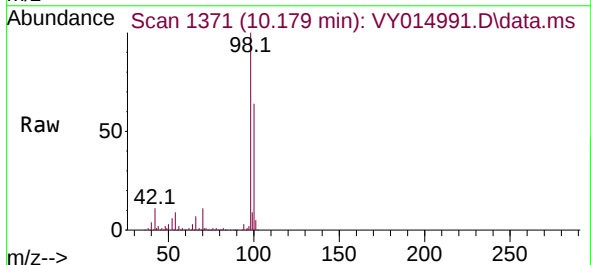
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ClientSampleId :
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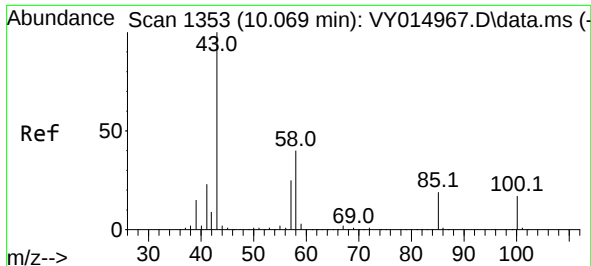
Tgt Ion: 78 Resp: 13211
Ion Ratio Lower Upper
78 100
77 27.5 19.0 28.6



#50
Toluene-d8
Concen: 48.625 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

Tgt Ion: 98 Resp: 402414
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 10.394 ug/l

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014991.D

Acq: 08 Aug 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

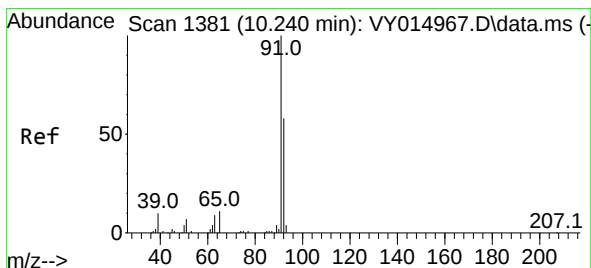
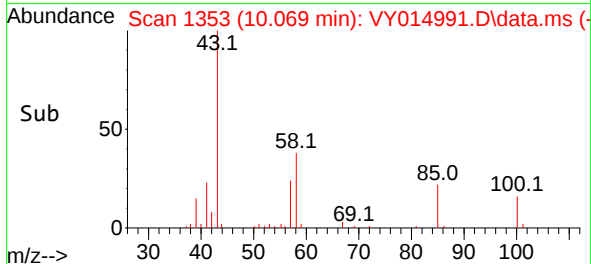
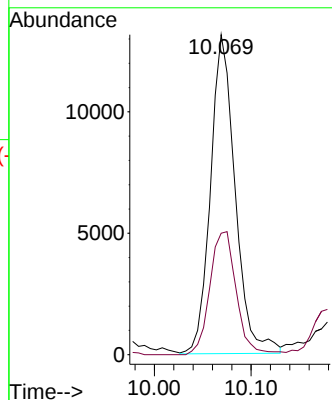
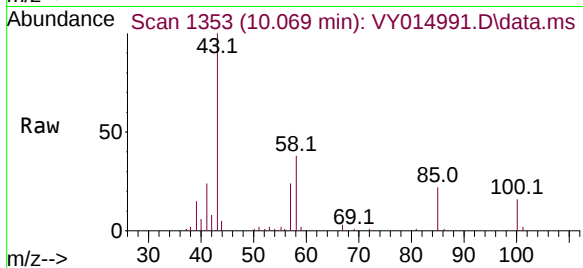
1127

Tgt Ion: 43 Resp: 23317

Ion Ratio Lower Upper

43 100

58 41.0 29.0 43.6



#52

Toluene

Concen: 2.589 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY014991.D

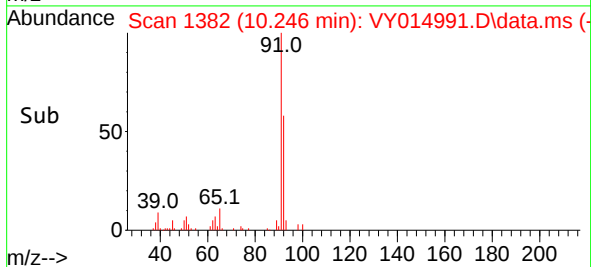
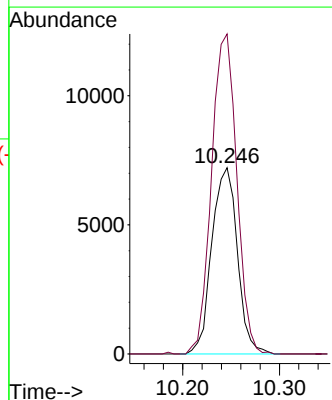
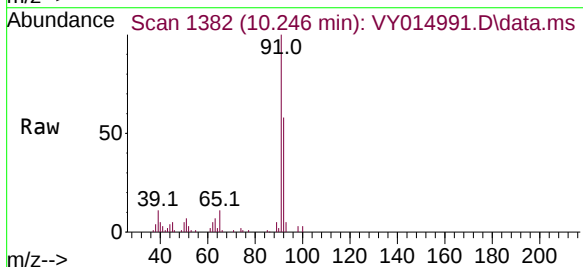
Acq: 08 Aug 2023 17:33

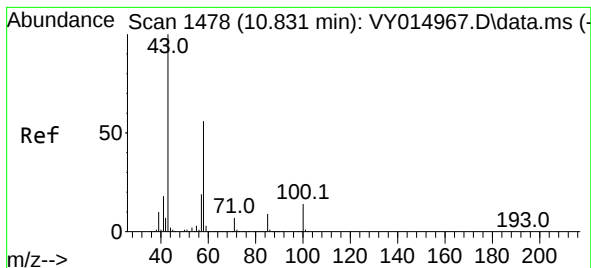
Tgt Ion: 92 Resp: 13245

Ion Ratio Lower Upper

92 100

91 169.5 143.8 215.6

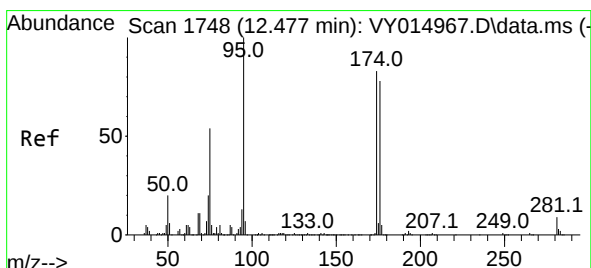
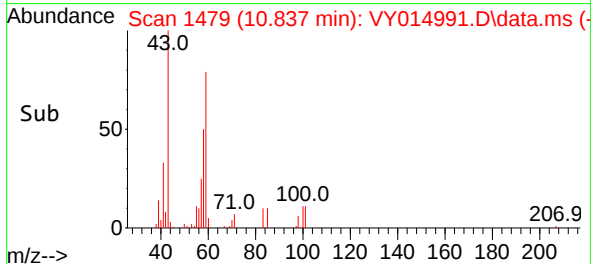
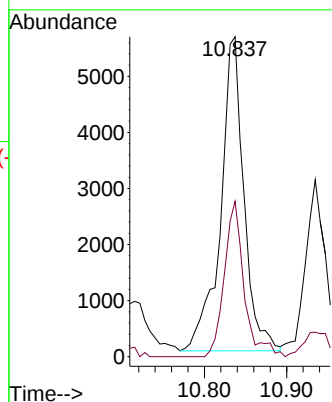
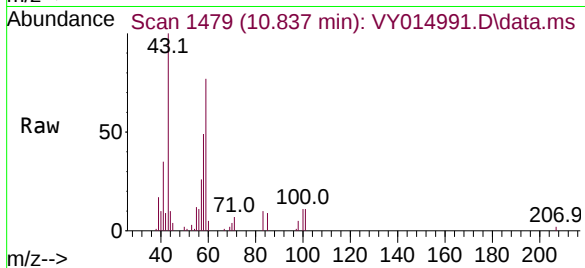




#59
2-Hexanone
Concen: 6.683 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

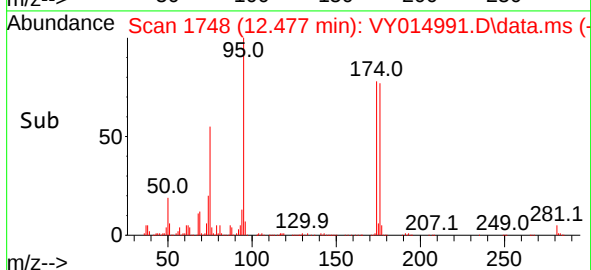
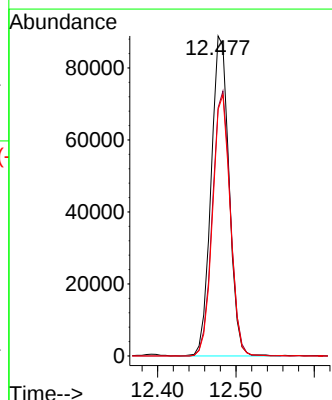
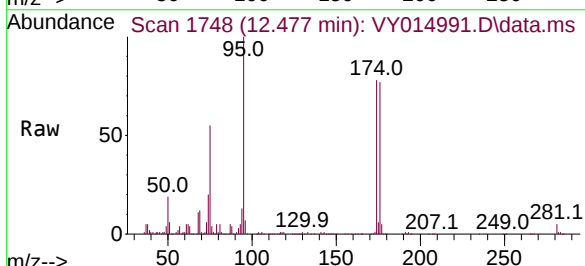
Instrument :
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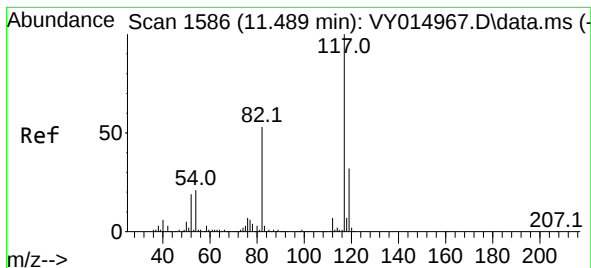
Tgt Ion: 43 Resp: 11075
Ion Ratio Lower Upper
43 100
58 41.8 25.1 75.3



#62
4-Bromofluorobenzene
Concen: 48.228 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014991.D
Acq: 08 Aug 2023 17:33

Tgt Ion: 95 Resp: 141459
Ion Ratio Lower Upper
95 100
174 82.7 0.0 178.2
176 80.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014991.D

Acq: 08 Aug 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

1127

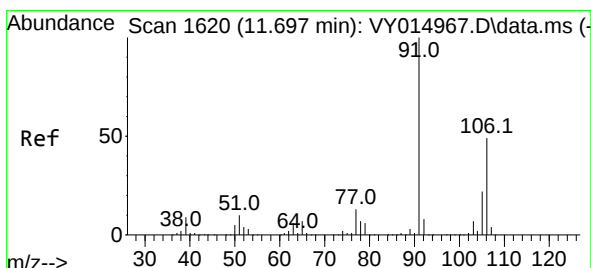
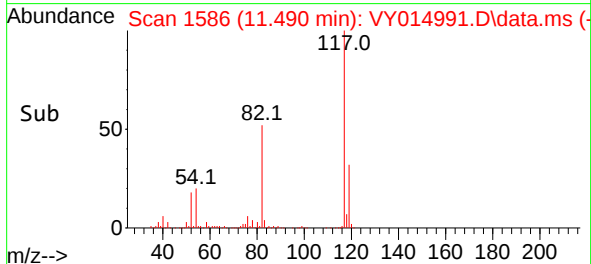
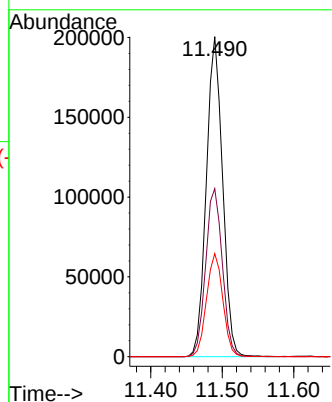
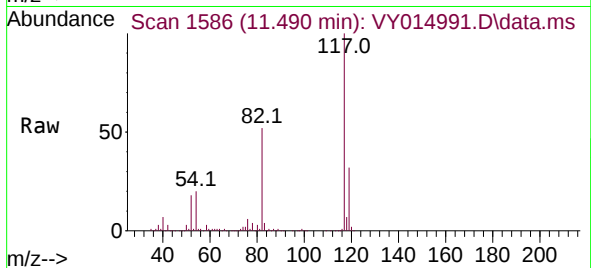
Tgt Ion:117 Resp: 316609

Ion Ratio Lower Upper

117 100

82 52.5 43.4 65.0

119 32.2 26.3 39.5



#68

m/p-Xylenes

Concen: 1.329 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VY014991.D

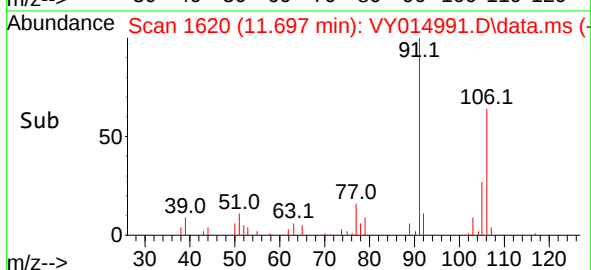
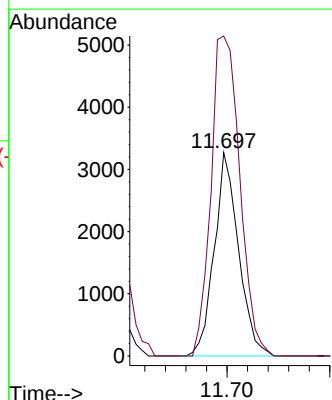
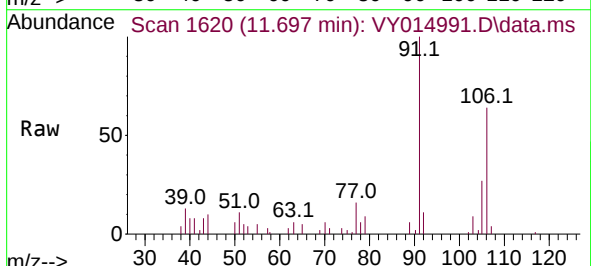
Acq: 08 Aug 2023 17:33

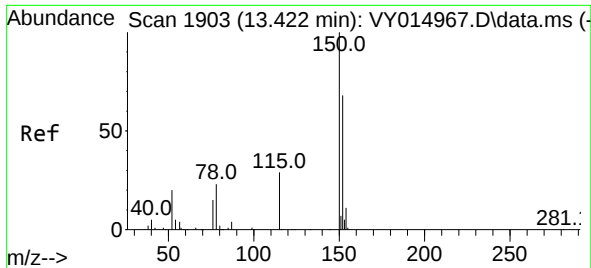
Tgt Ion:106 Resp: 5361

Ion Ratio Lower Upper

106 100

91 187.1 166.1 249.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY014991.D
 Acq: 08 Aug 2023 17:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 1127

Tgt Ion:152 Resp: 142637
 Ion Ratio Lower Upper
 152 100
 115 59.2 28.8 86.5
 150 158.0 0.0 348.8

