

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015810.D
 Acq On : 03 Oct 2023 16:55
 Operator : SY/MD
 Sample : 04703-05
 Misc : 3.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 E9066-OB-003

Quant Time: Oct 04 01:13:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

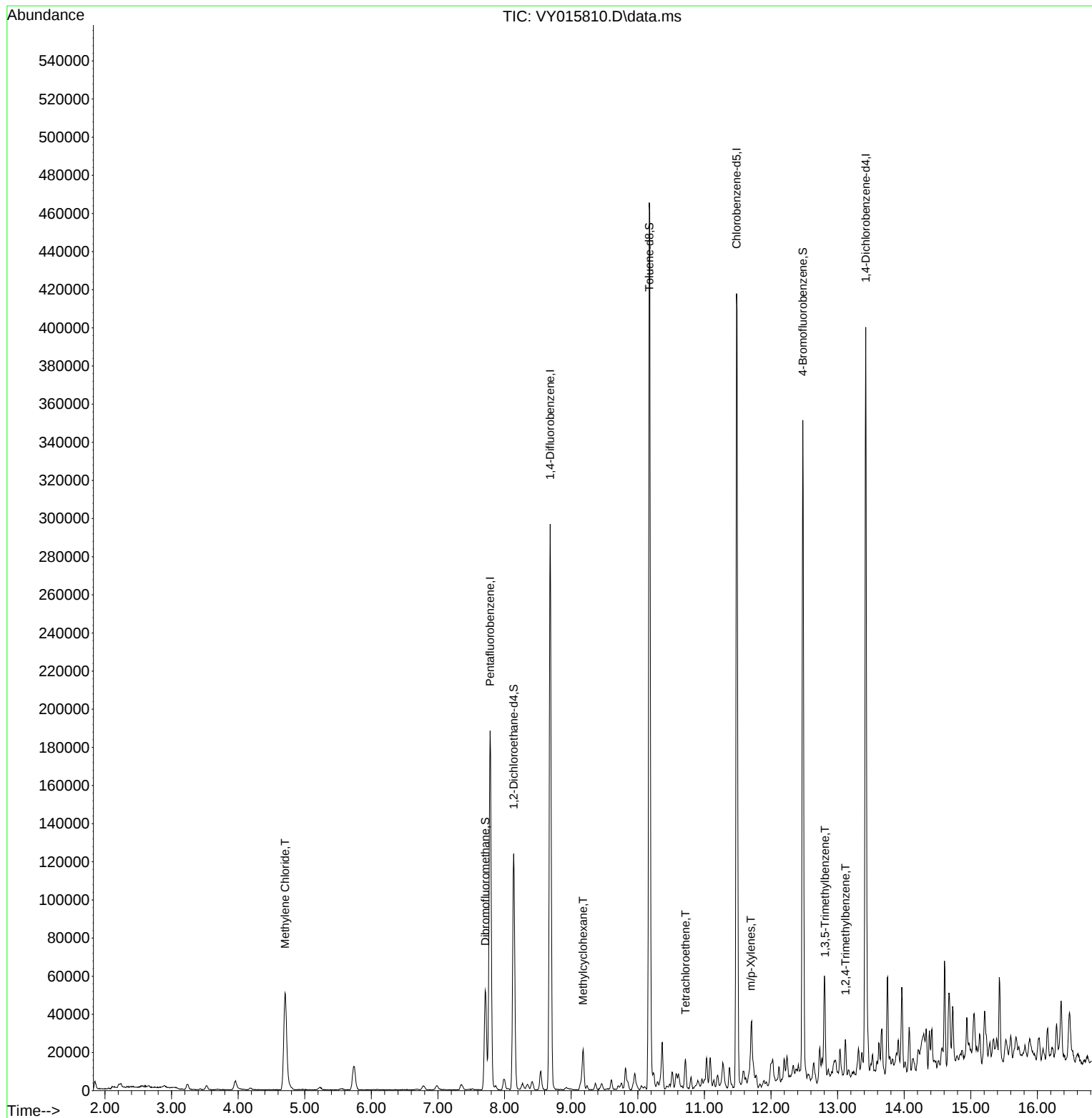
Internal Standards						
1) Pentafluorobenzene	7.783	168	142198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	251569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	229100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	98291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	96581	61.730	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.460%	
35) Dibromofluoromethane	7.710	113	37322	24.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 49.580%#	
50) Toluene-d8	10.173	98	298934	58.553	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.100%	
62) 4-Bromofluorobenzene	12.477	95	99387	49.606	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.220%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.704	84	38947	18.158	ug/l #	86
39) Methylcyclohexane	9.179	83	8496	3.450	ug/l	97
64) Tetrachloroethene	10.715	164	2388	1.215	ug/l #	85
68) m/p-Xylenes	11.697	106	4174	1.256	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	10043	1.627	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	10317	1.670	ug/l	96

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

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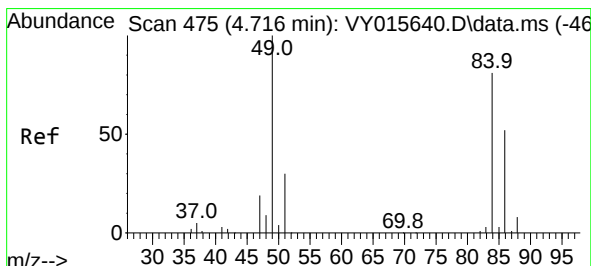
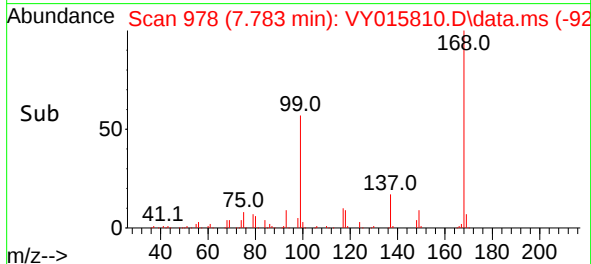
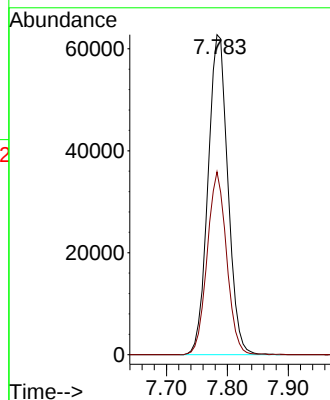
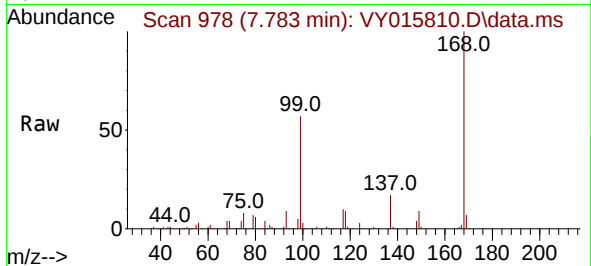




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

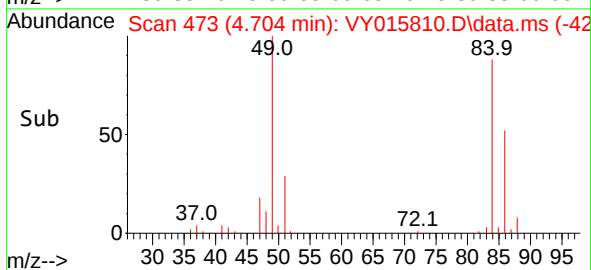
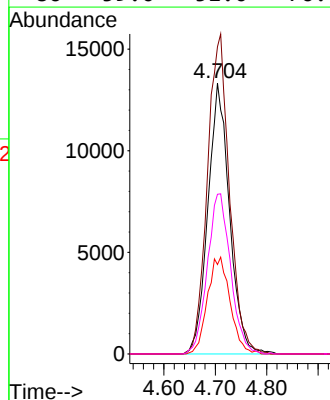
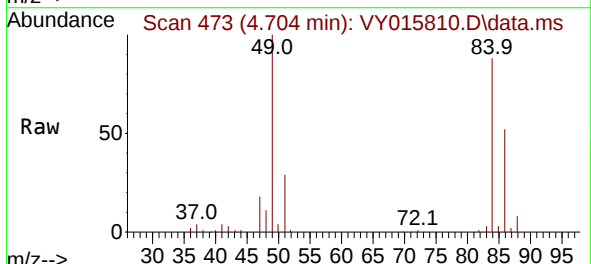
Instrument :
MSVOA_Y
ClientSampleId :
E9066-OB-003

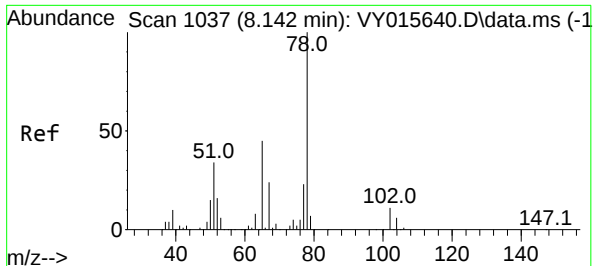
Tgt Ion:168 Resp: 142198
Ion Ratio Lower Upper
168 100
99 57.2 43.4 65.0



#20
Methylene Chloride
Concen: 18.158 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion: 84 Resp: 38947
Ion Ratio Lower Upper
84 100
49 113.4 106.9 160.3
51 33.0 33.2 49.8#
86 59.0 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 61.730 ug/l

RT: 8.137 min Scan# 110

Delta R.T. 0.001 min

Lab File: VY015810.D

Acq: 03 Oct 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

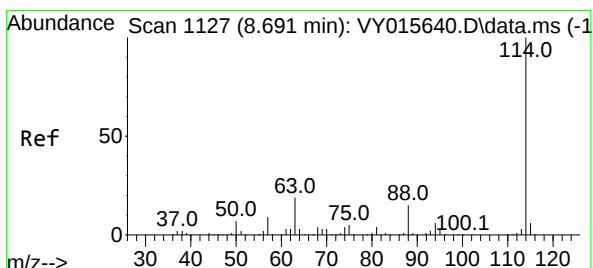
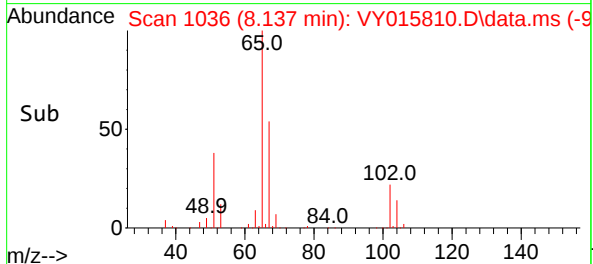
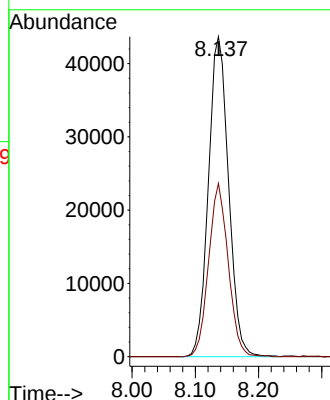
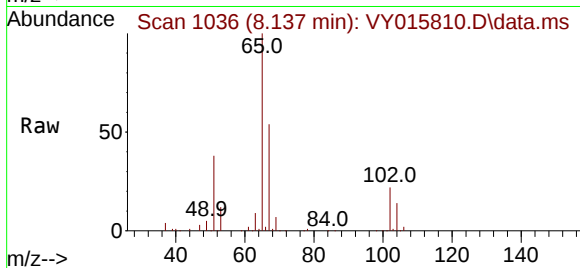
E9066-OB-003

Tgt Ion: 65 Resp: 96581

Ion Ratio Lower Upper

65 100

67 52.8 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: VY015810.D

Acq: 03 Oct 2023 16:55

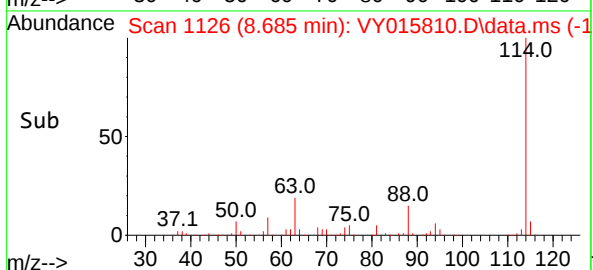
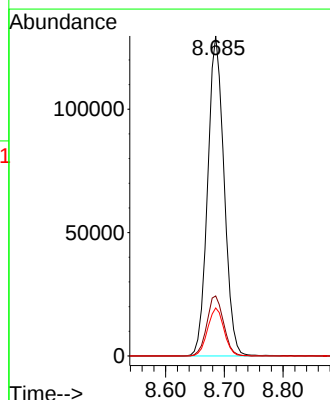
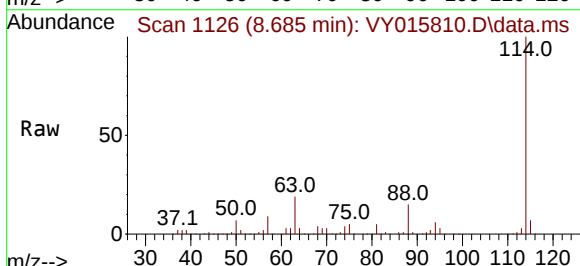
Tgt Ion: 114 Resp: 251569

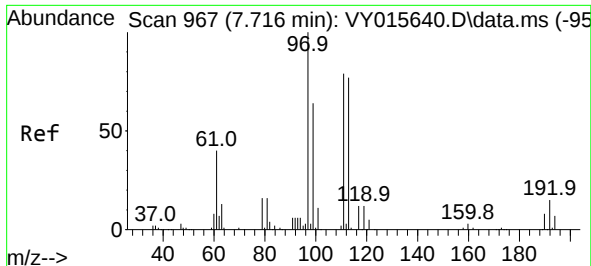
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.0 0.0 30.6

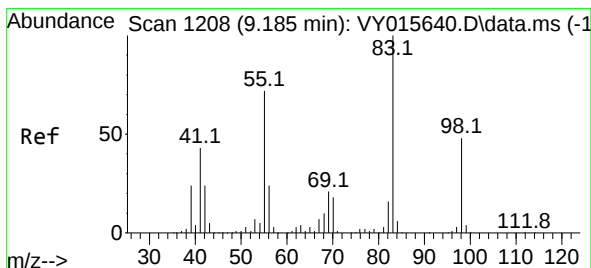
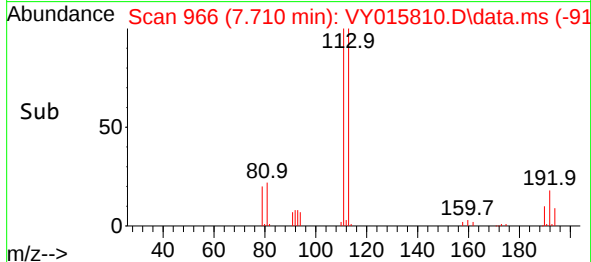
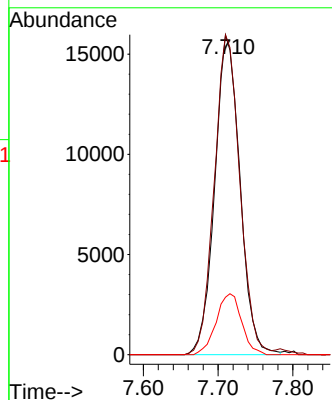
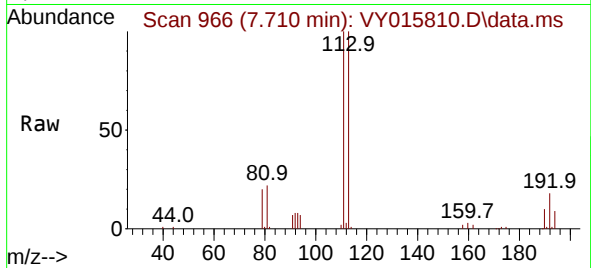




#35
Dibromofluoromethane
Concen: 24.787 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

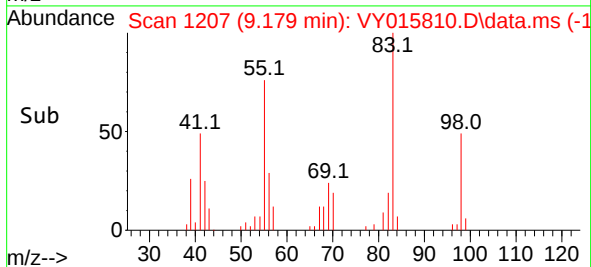
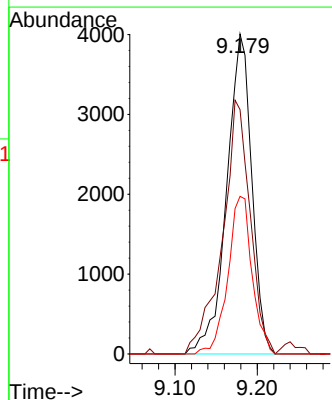
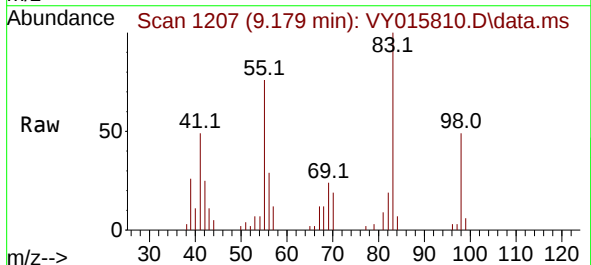
Instrument :
MSVOA_Y
ClientSampleId :
E9066-OB-003

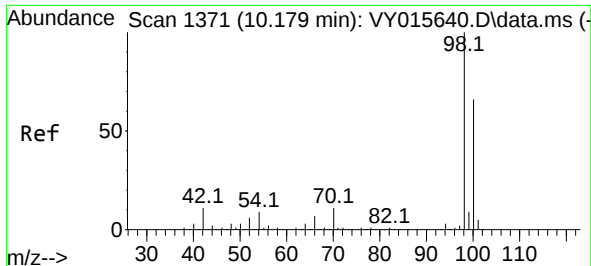
Tgt Ion:113 Resp: 37322
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 19.3 16.9 25.3



#39
Methylcyclohexane
Concen: 3.450 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion: 83 Resp: 8496
Ion Ratio Lower Upper
83 100
55 76.4 63.0 94.4
98 49.3 37.4 56.2

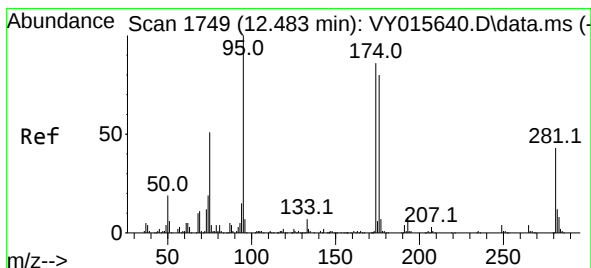
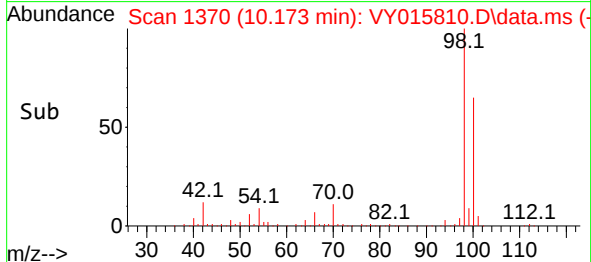
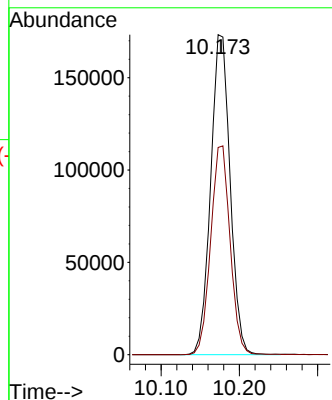
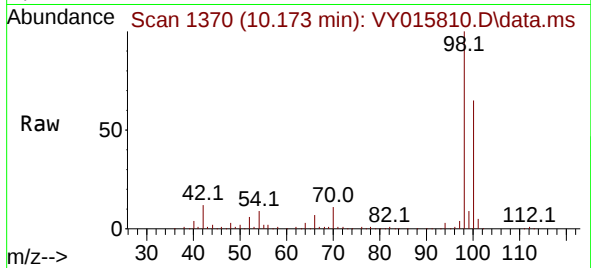




#50
Toluene-d8
Concen: 58.553 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

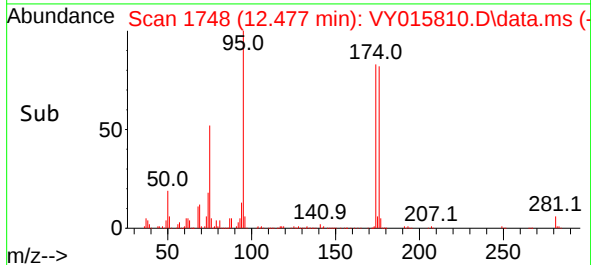
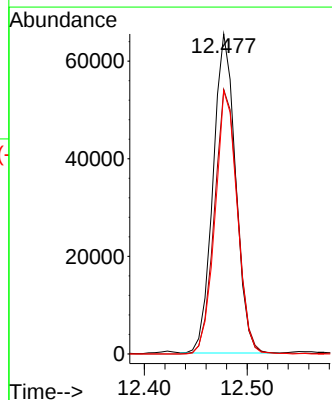
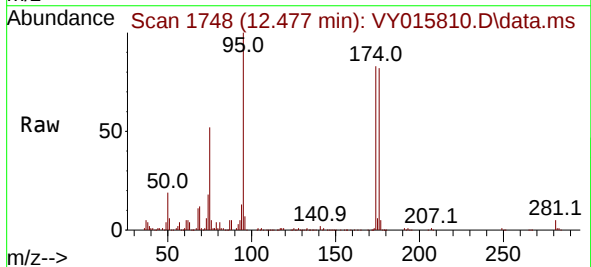
Instrument :
MSVOA_Y
ClientSampleId :
E9066-OB-003

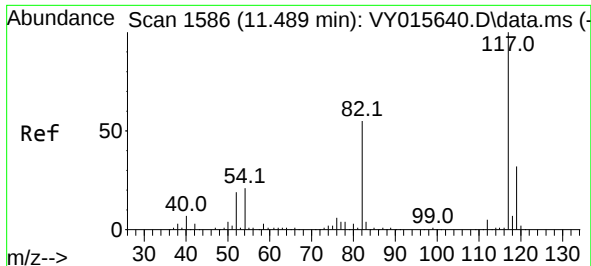
Tgt Ion: 98 Resp: 298934
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.606 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion: 95 Resp: 99387
Ion Ratio Lower Upper
95 100
174 85.0 0.0 178.2
176 81.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.484 min Scan# 11

Delta R.T. -0.005 min

Lab File: VY015810.D

Acq: 03 Oct 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

E9066-OB-003

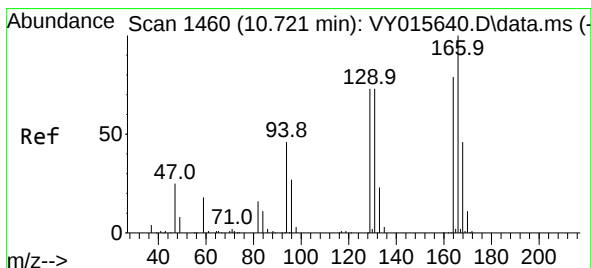
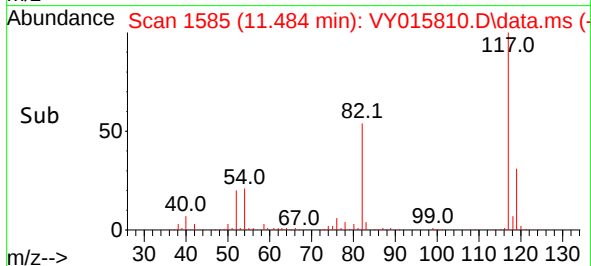
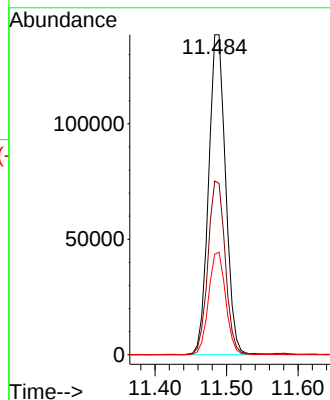
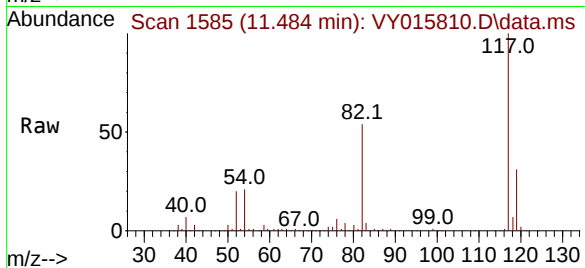
Tgt Ion:117 Resp: 229100

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 31.4 26.3 39.5



#64

Tetrachloroethene

Concen: 1.215 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY015810.D

Acq: 03 Oct 2023 16:55

Tgt Ion:164 Resp: 2388

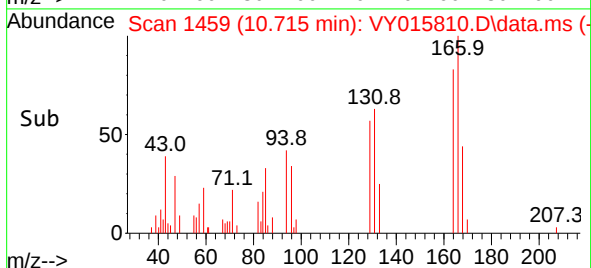
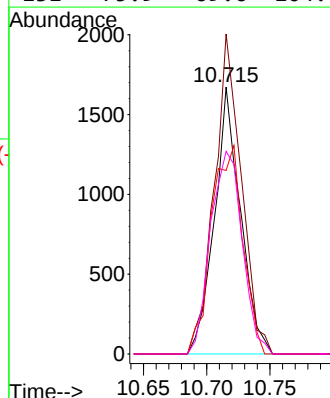
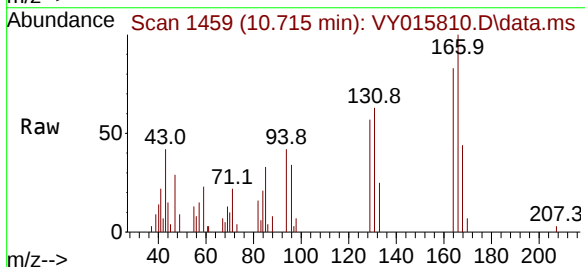
Ion Ratio Lower Upper

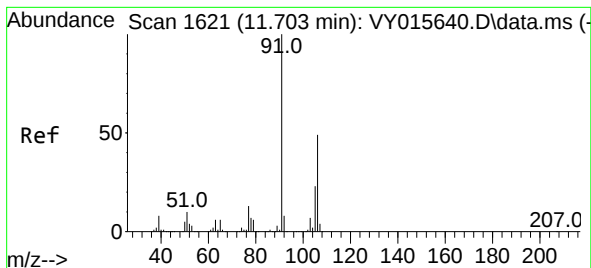
164 100

166 119.9 103.0 154.6

129 68.8 77.2 115.8#

131 75.9 69.6 104.4

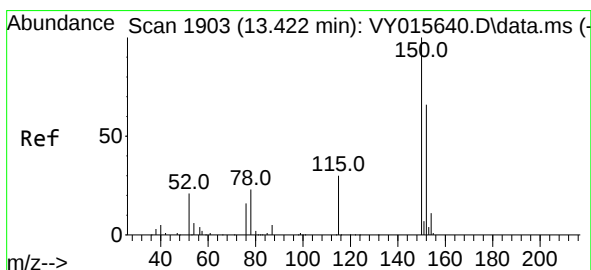
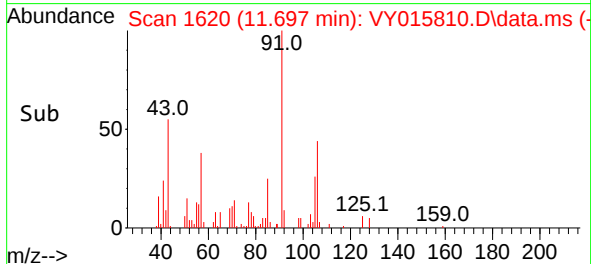
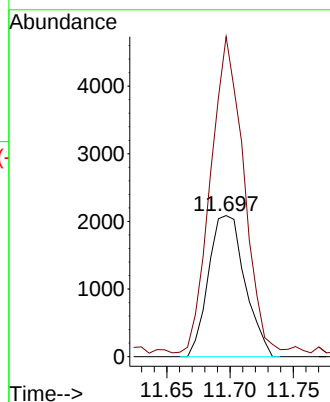
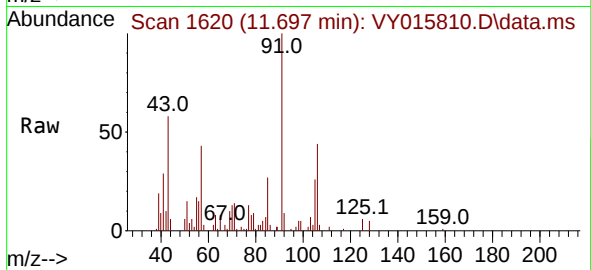




#68
m/p-Xylenes
Concen: 1.256 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

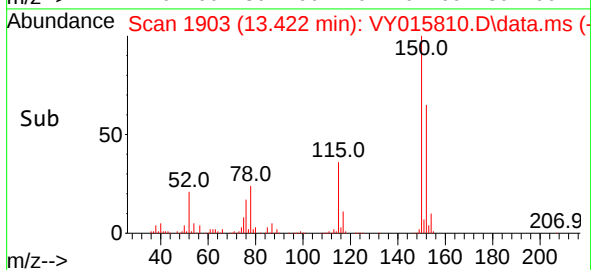
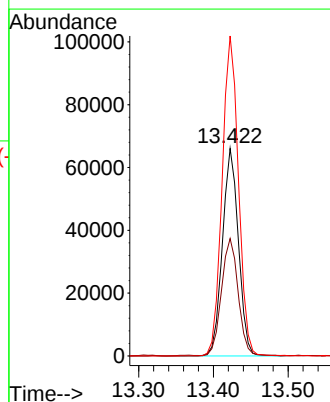
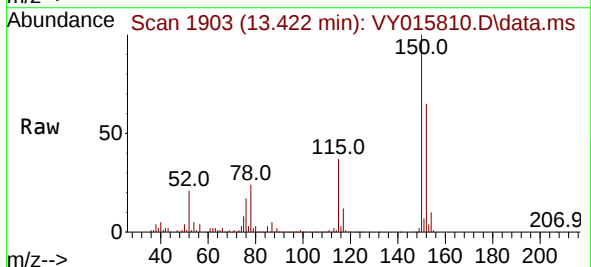
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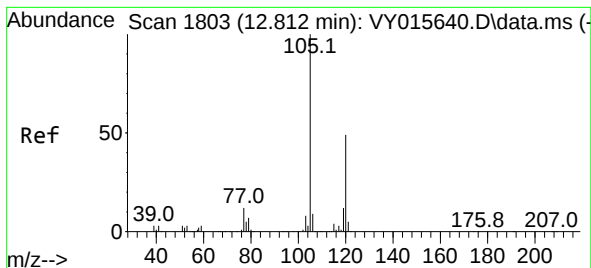
Tgt Ion:106 Resp: 4174
Ion Ratio Lower Upper
106 100
91 206.2 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion:152 Resp: 98291
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 157.2 0.0 348.8





#80

1,3,5-Trimethylbenzene

Concen: 1.627 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.001 min

Lab File: VY015810.D

Acq: 03 Oct 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

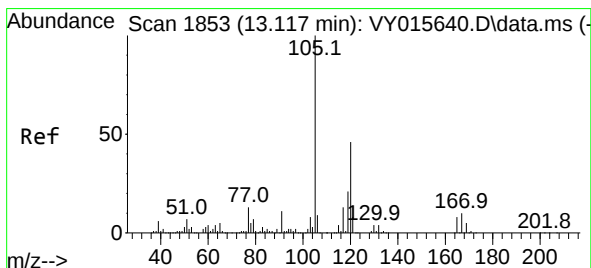
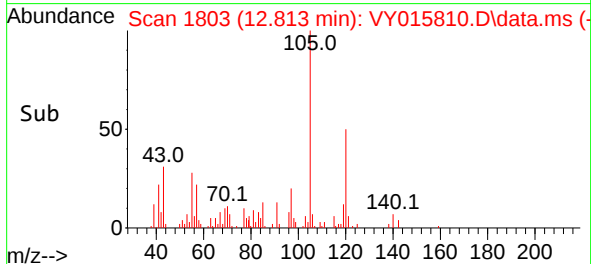
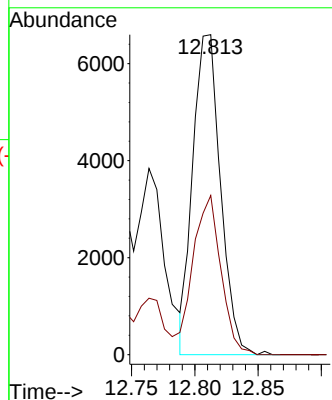
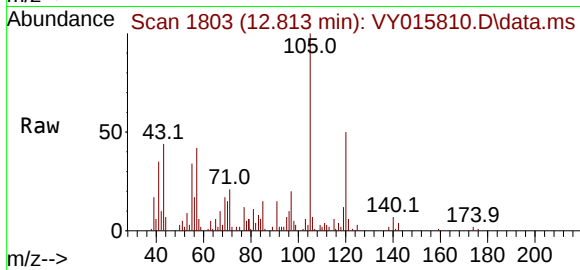
E9066-OB-003

Tgt Ion:105 Resp: 10043

Ion Ratio Lower Upper

105 100

120 50.6 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 1.670 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015810.D

Acq: 03 Oct 2023 16:55

Tgt Ion:105 Resp: 10317

Ion Ratio Lower Upper

105 100

120 47.1 22.2 66.6

