

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015811.D
 Acq On : 03 Oct 2023 17:18
 Operator : SY/MD
 Sample : 04703-03
 Misc : 4.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 E9066-OB-002

Quant Time: Oct 04 01:13:32 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)

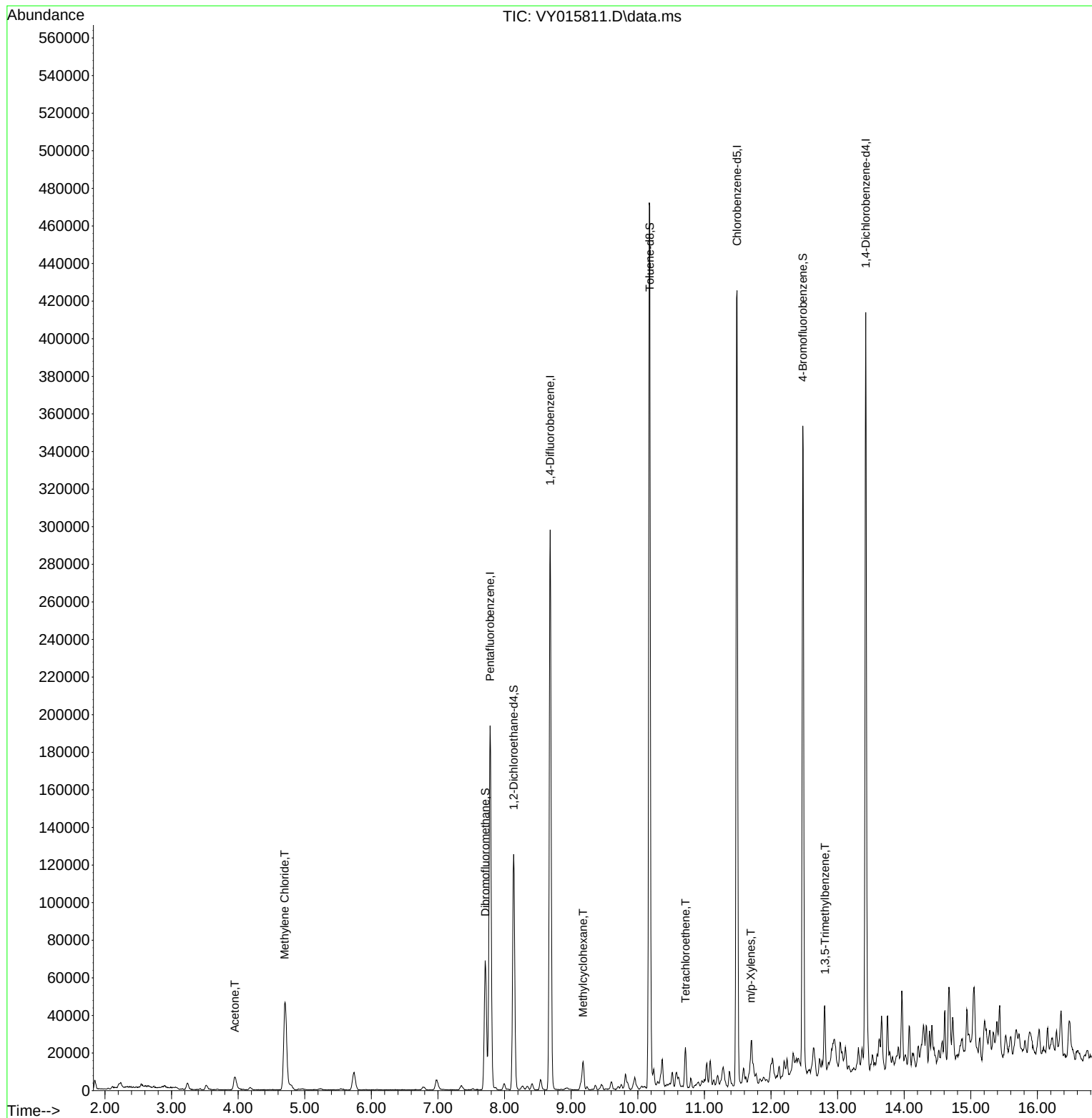
Internal Standards						
1) Pentafluorobenzene	7.783	168	147301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	256029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	236439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	97890	60.399	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.800%	
35) Dibromofluoromethane	7.710	113	48846	31.875	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 63.760%	
50) Toluene-d8	10.179	98	305971	58.887	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.780%	
62) 4-Bromofluorobenzene	12.477	95	101929	49.989	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.980%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	14598	16.831	ug/l	94
20) Methylene Chloride	4.698	84	37292	16.378	ug/l	89
39) Methylcyclohexane	9.179	83	6521	2.602	ug/l	88
64) Tetrachloroethene	10.715	164	3861	1.903	ug/l	97
68) m/p-Xylenes	11.697	106	3891	1.135	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	8192	1.277	ug/l	100

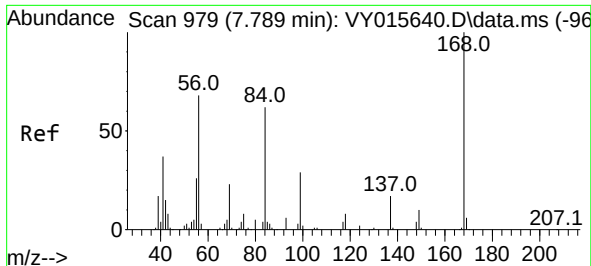
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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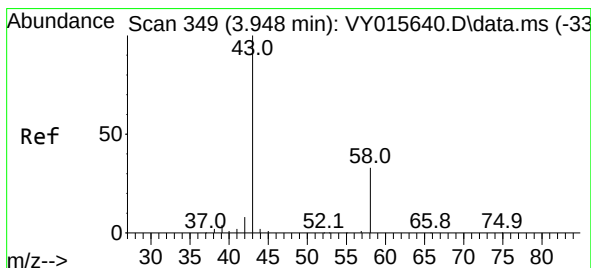
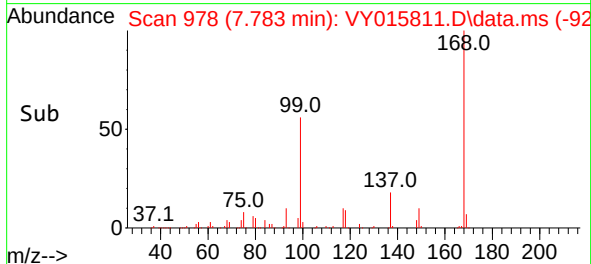
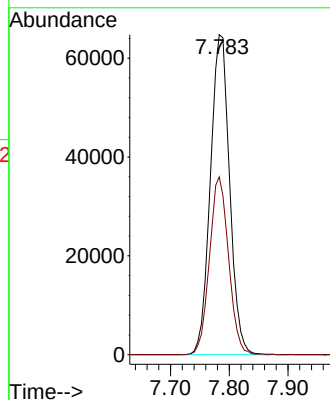
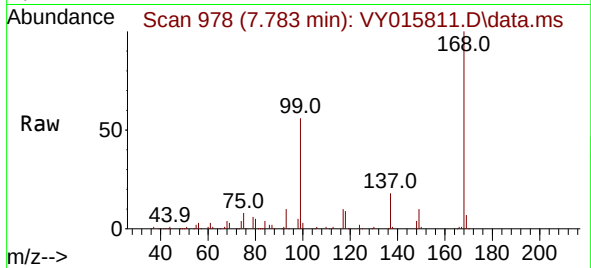




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015811.D
Acq: 03 Oct 2023 17:18

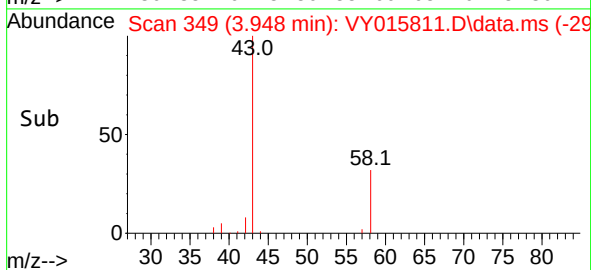
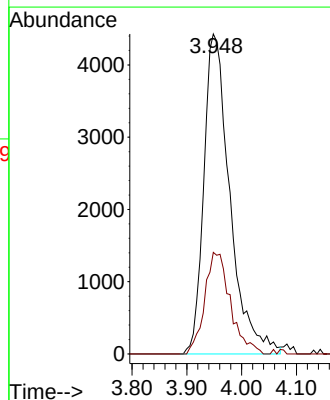
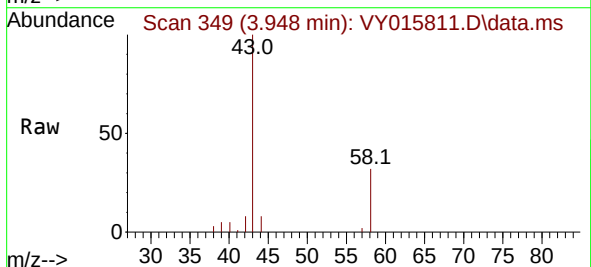
Instrument :
MSVOA_Y
ClientSampleId :
E9066-OB-002

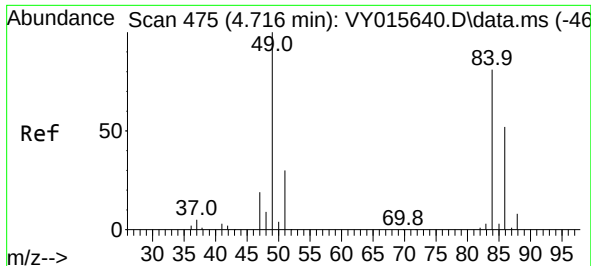
Tgt Ion:168 Resp: 147301
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#16
Acetone
Concen: 16.831 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015811.D
Acq: 03 Oct 2023 17:18

Tgt Ion: 43 Resp: 14598
Ion Ratio Lower Upper
43 100
58 31.7 22.7 34.1



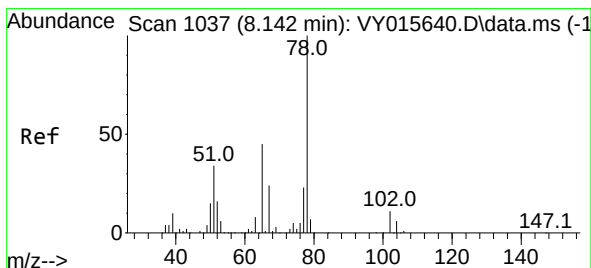
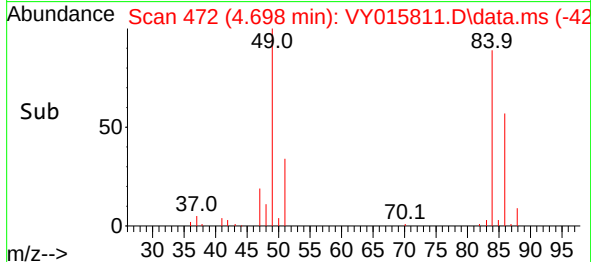
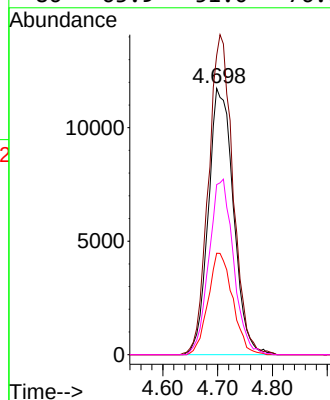
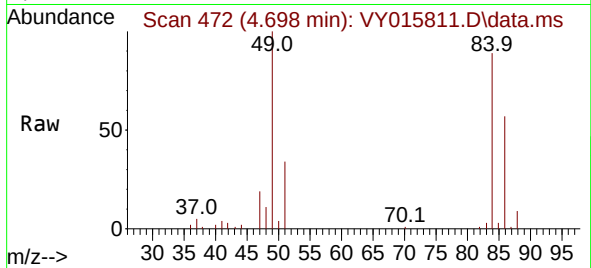


#20
Methylene Chloride
Concen: 16.378 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015811.D
Acq: 03 Oct 2023 17:18

Instrument :
MSVOA_Y
ClientSampleId :
E9066-OB-002

Tgt Ion: 84 Resp: 37292

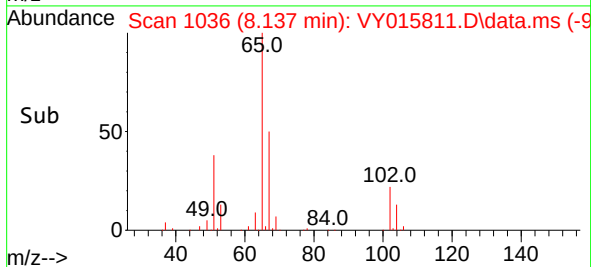
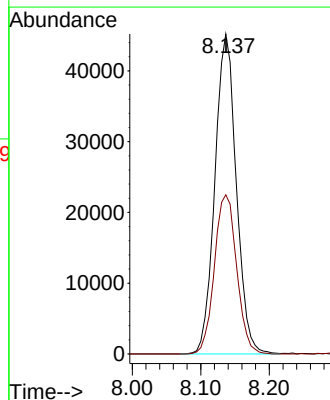
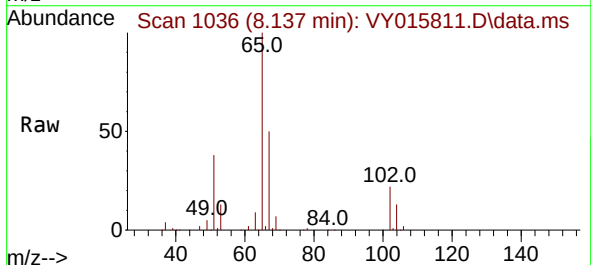
Ion	Ratio	Lower	Upper
84	100		
49	112.4	106.9	160.3
51	38.1	33.2	49.8
86	63.9	51.0	76.6

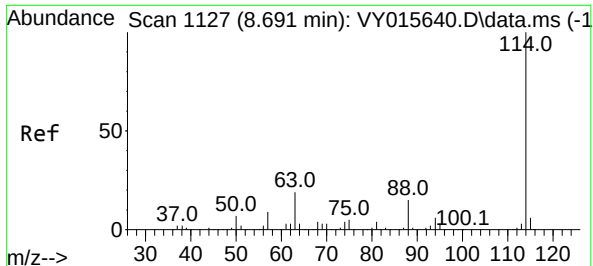


#33
1,2-Dichloroethane-d4
Concen: 60.399 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY015811.D
Acq: 03 Oct 2023 17:18

Tgt Ion: 65 Resp: 97890

Ion	Ratio	Lower	Upper
65	100		
67	51.7	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: VY015811.D

Acq: 03 Oct 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

E9066-OB-002

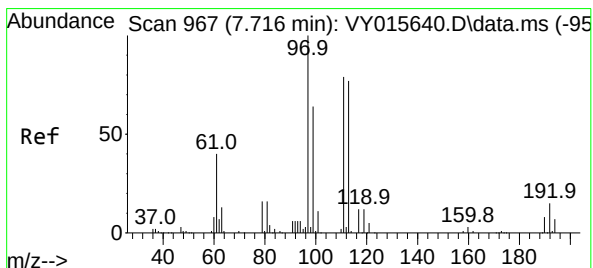
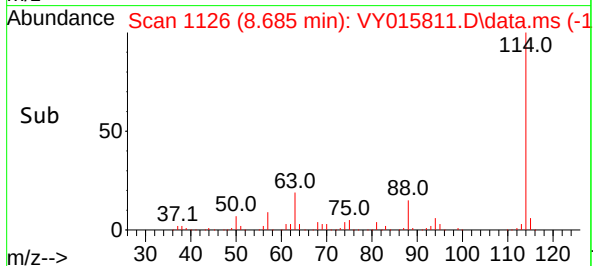
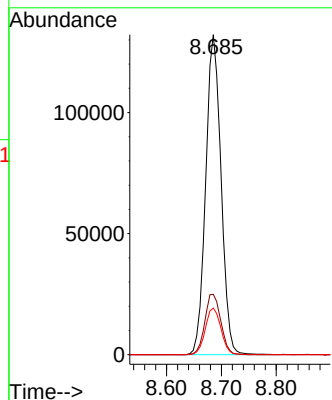
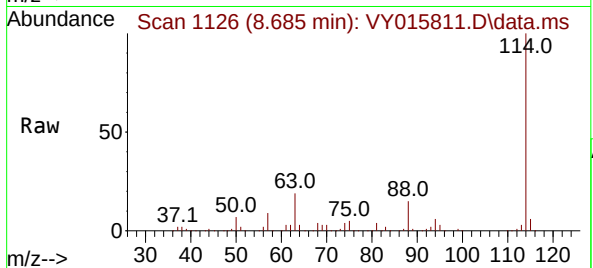
Tgt Ion:114 Resp: 256029

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 31.875 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015811.D

Acq: 03 Oct 2023 17:18

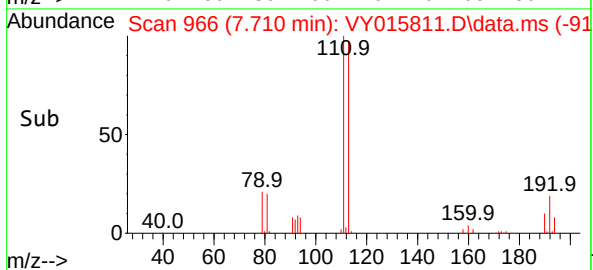
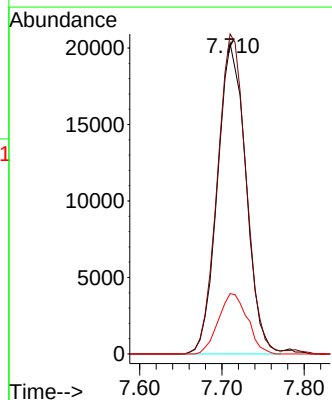
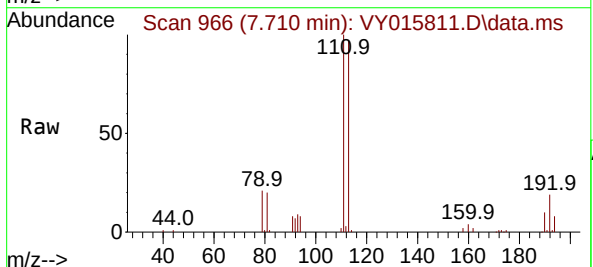
Tgt Ion:113 Resp: 48846

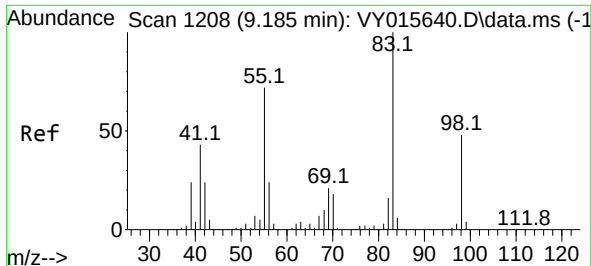
Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

192 19.8 16.9 25.3





#39

Methylcyclohexane

Concen: 2.602 ug/l

RT: 9.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015811.D

Acq: 03 Oct 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

E9066-OB-002

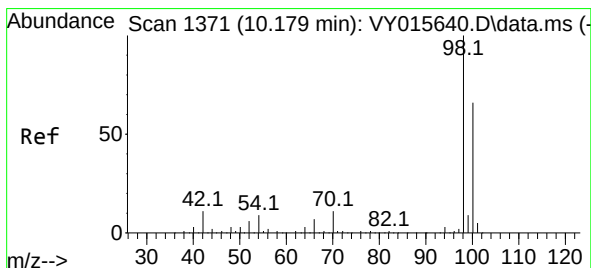
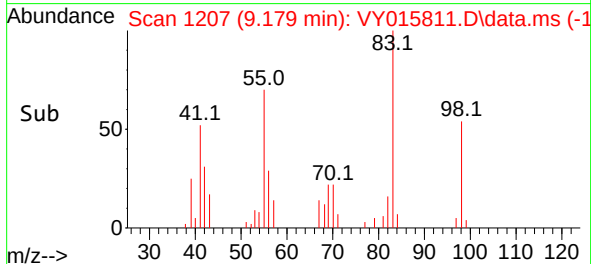
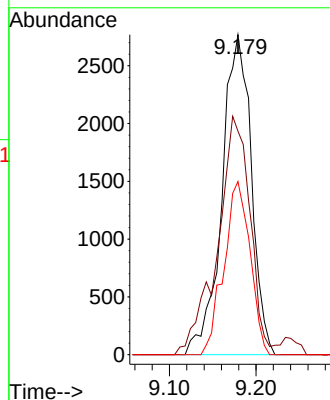
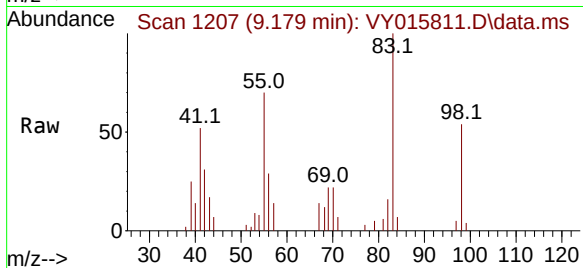
Tgt Ion: 83 Resp: 6521

Ion Ratio Lower Upper

83 100

55 67.5 63.0 94.4

98 54.1 37.4 56.2



#50

Toluene-d8

Concen: 58.887 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015811.D

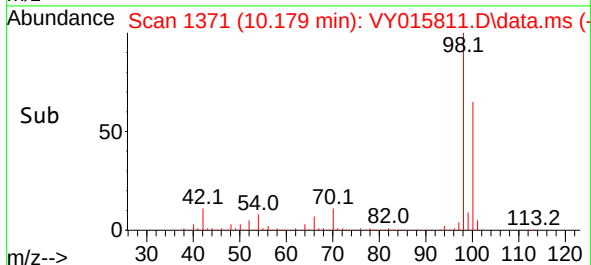
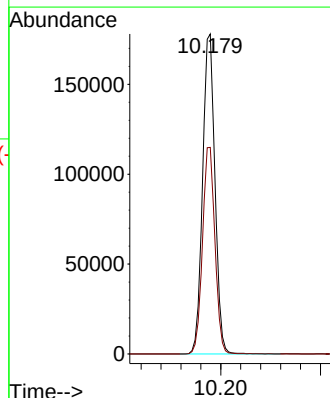
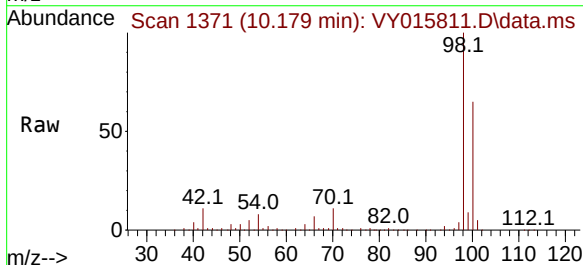
Acq: 03 Oct 2023 17:18

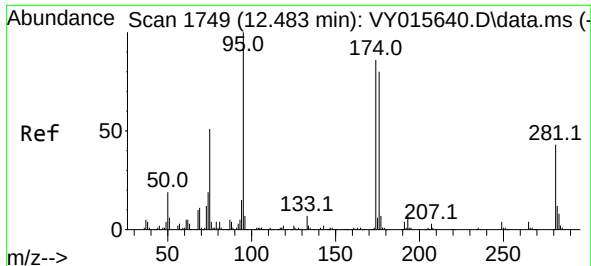
Tgt Ion: 98 Resp: 305971

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1

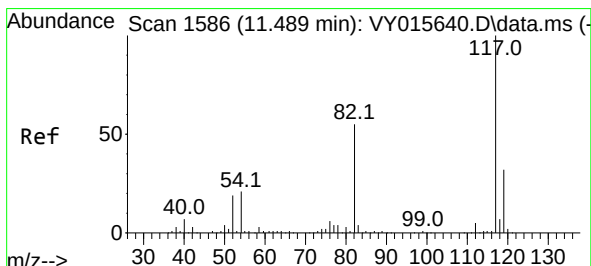
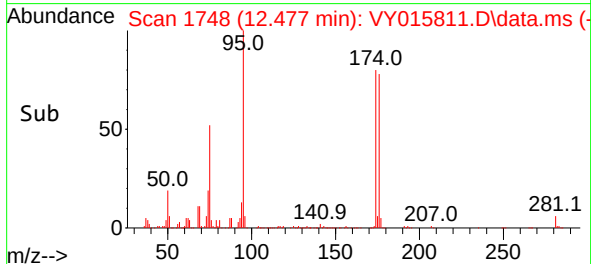
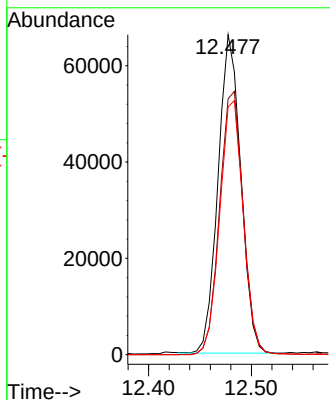
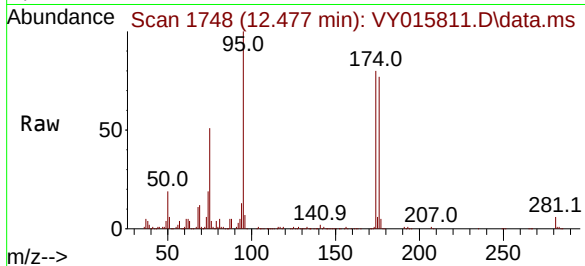




#62
4-Bromofluorobenzene
Concen: 49.989 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015811.D
Acq: 03 Oct 2023 17:18

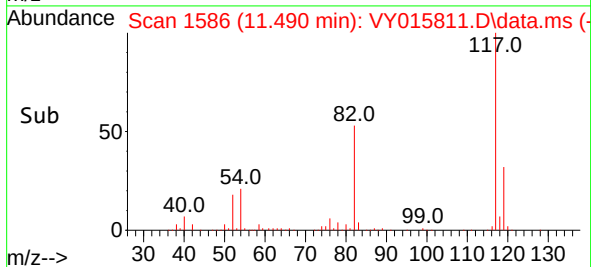
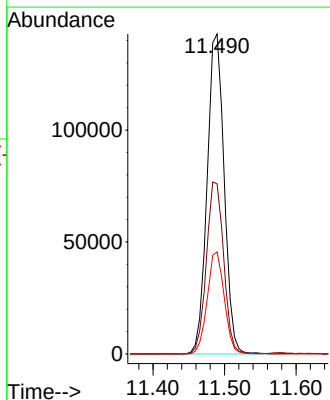
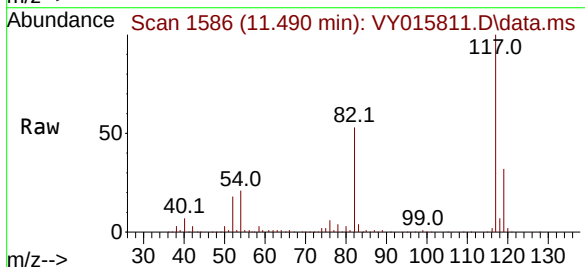
Instrument :
MSVOA_Y
ClientSampleId :
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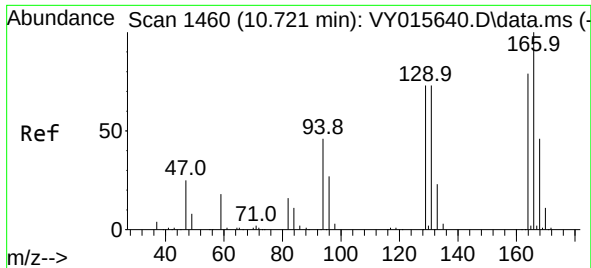
Tgt Ion: 95 Resp: 101929
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 82.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY015811.D
Acq: 03 Oct 2023 17:18

Tgt Ion: 117 Resp: 236439
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.9 26.3 39.5

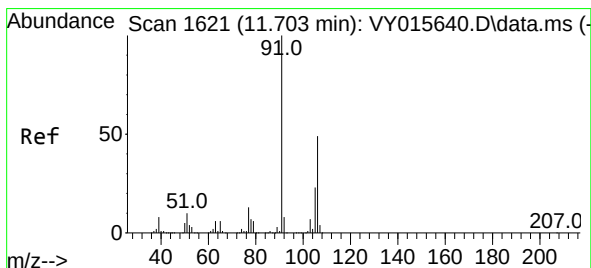
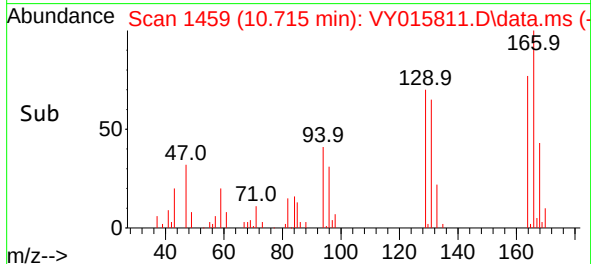
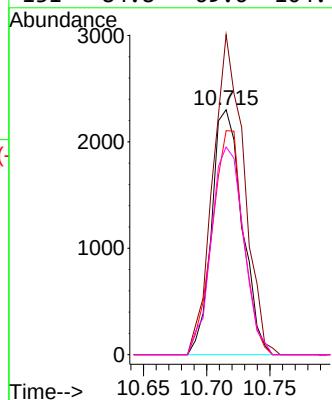
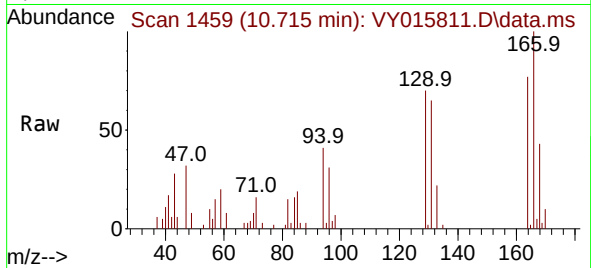




#64
Tetrachloroethene
Concen: 1.903 ug/l
RT: 10.715 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY015811.D
Acq: 03 Oct 2023 17:18

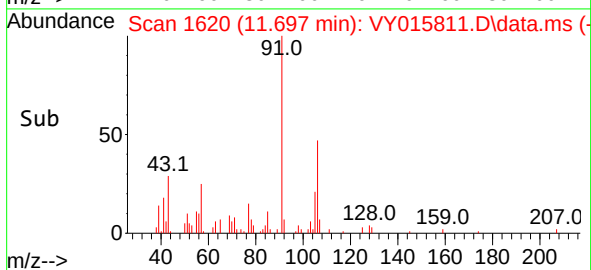
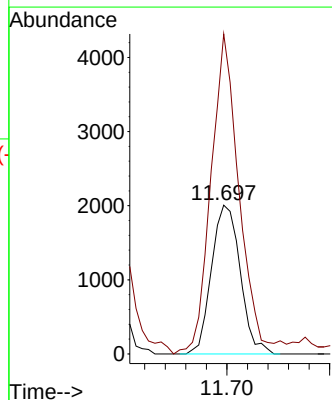
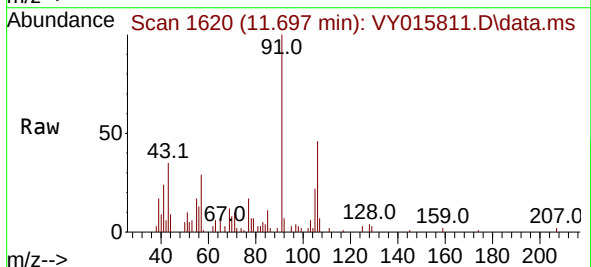
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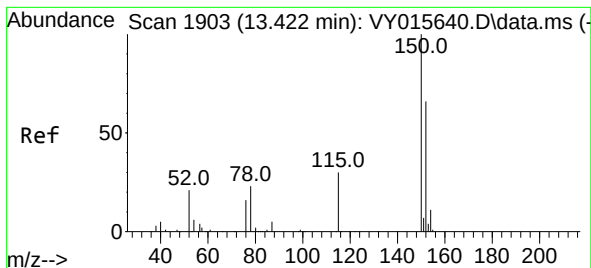
Tgt Ion:164 Resp: 3861
Ion Ratio Lower Upper
164 100
166 130.6 103.0 154.6
129 91.4 77.2 115.8
131 84.8 69.6 104.4



#68
m/p-Xylenes
Concen: 1.135 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY015811.D
Acq: 03 Oct 2023 17:18

Tgt Ion:106 Resp: 3891
Ion Ratio Lower Upper
106 100
91 209.3 166.1 249.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015811.D

Acq: 03 Oct 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

E9066-OB-002

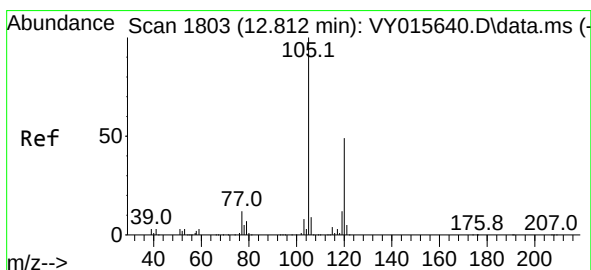
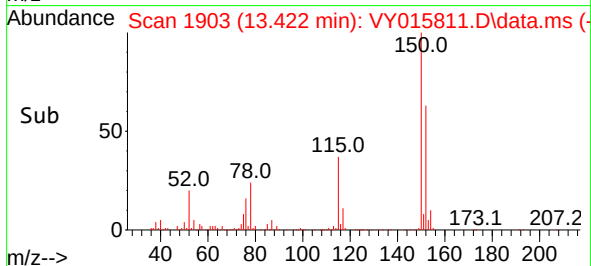
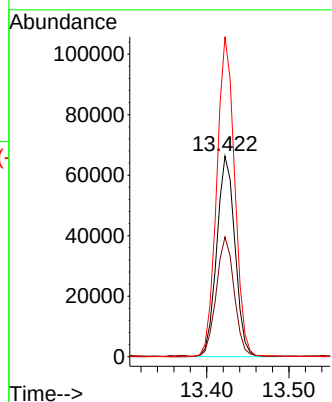
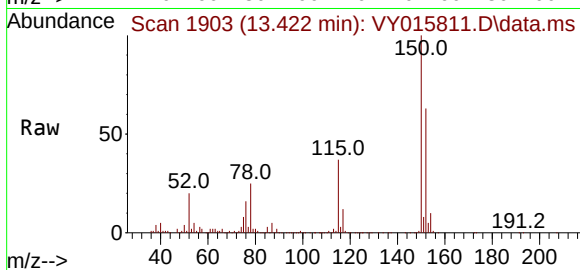
Tgt Ion:152 Resp: 102141

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 157.2 0.0 348.8



#80

1,3,5-Trimethylbenzene

Concen: 1.277 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.001 min

Lab File: VY015811.D

Acq: 03 Oct 2023 17:18

Tgt Ion:105 Resp: 8192

Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.7

