

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010716.D
 Acq On : 28 Sep 2022 15:06
 Operator : KP/MD
 Sample : N4855-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-02-092822

Quant Time: Sep 29 01:13:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

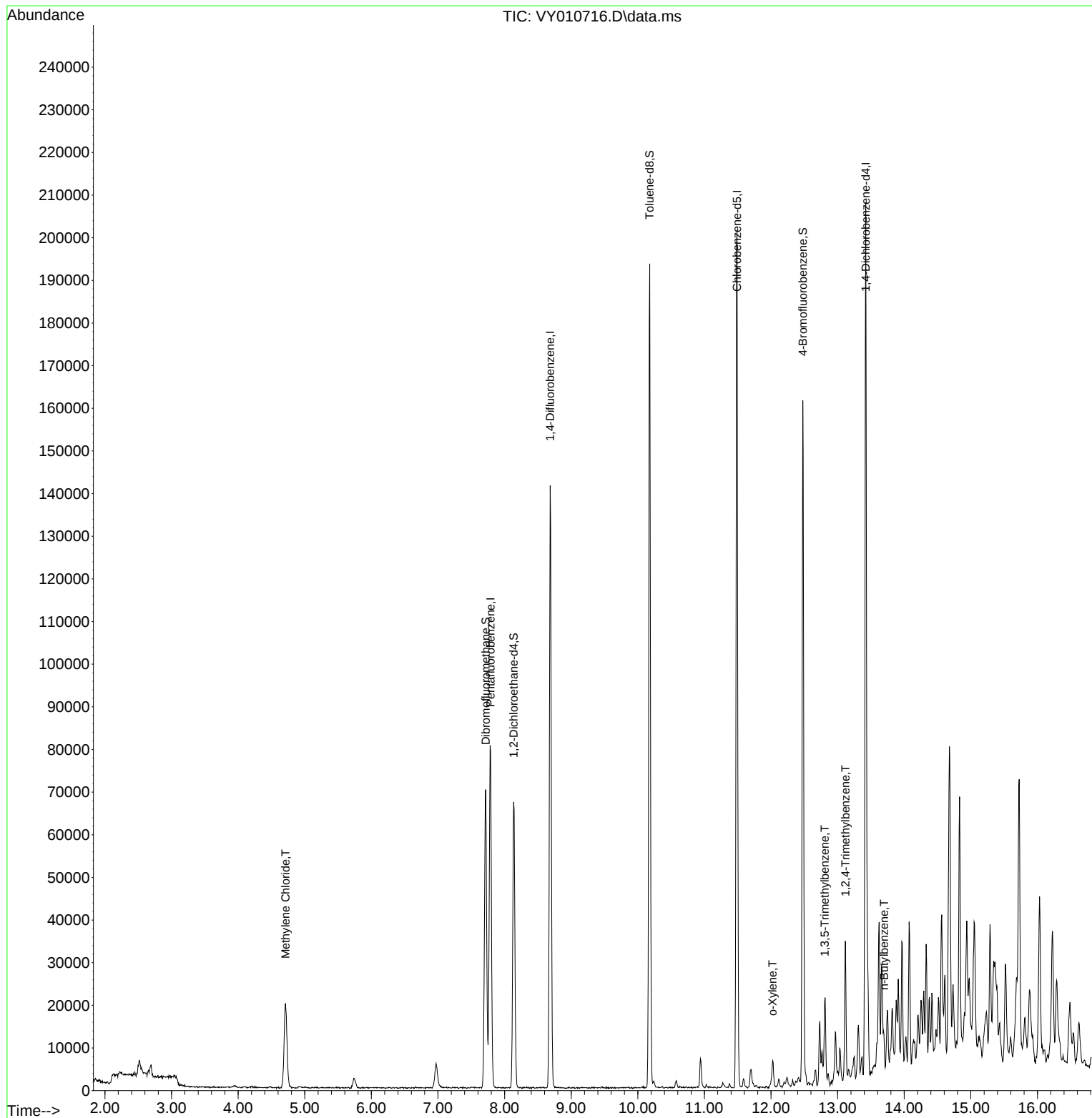
Internal Standards						
1) Pentafluorobenzene	7.789	168	61701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	118297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	110933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	50864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	53005	89.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 179.640%#	
35) Dibromofluoromethane	7.716	113	48131	63.752	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.500%	
50) Toluene-d8	10.179	98	125846	45.409	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.820%	
62) 4-Bromofluorobenzene	12.477	95	47959	46.103	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.200%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.710	84	14924	14.987	ug/l	84
69) o-Xylene	12.026	106	1698	1.335	ug/l	90
80) 1,3,5-Trimethylbenzene	12.806	105	6157	2.318	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	16001	6.064	ug/l	97
89) n-Butylbenzene	13.696	91	4007	1.501	ug/l #	78

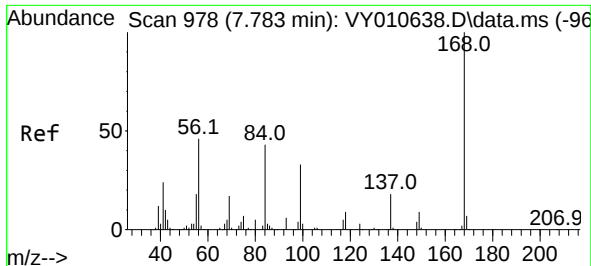
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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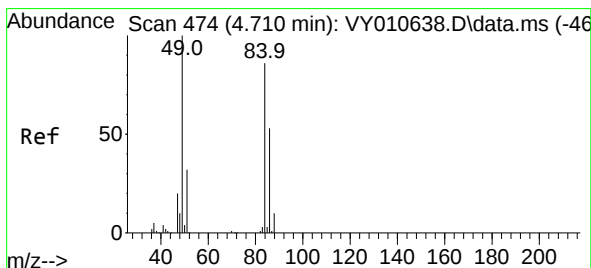
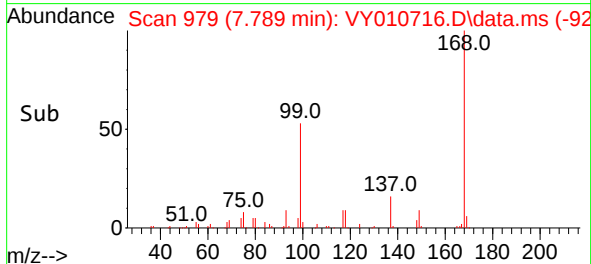
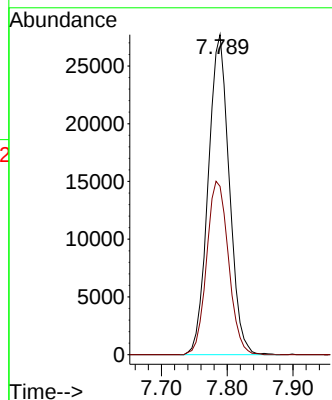
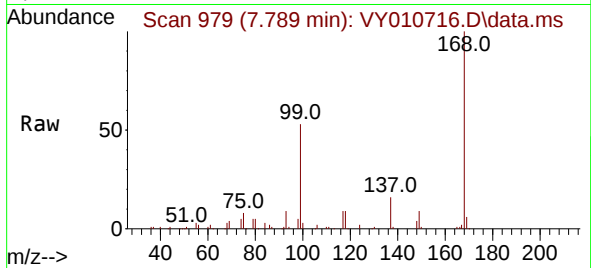




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

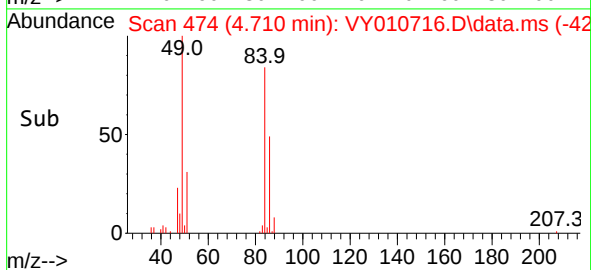
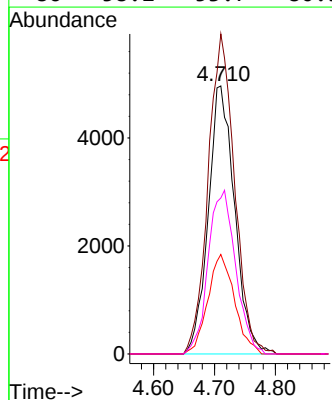
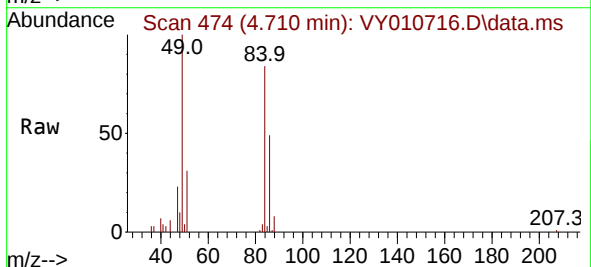
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

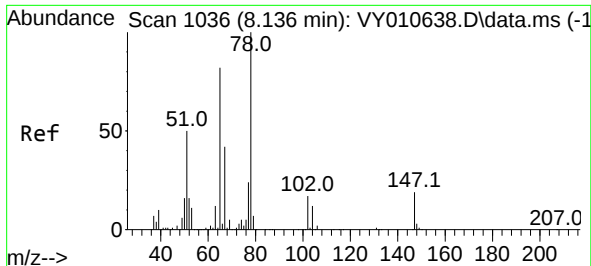
Tgt Ion:168 Resp: 61701
Ion Ratio Lower Upper
168 100
99 52.6 46.9 70.3



#20
Methylene Chloride
Concen: 14.987 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion: 84 Resp: 14924
Ion Ratio Lower Upper
84 100
49 119.4 114.4 171.6
51 37.1 35.3 52.9
86 58.2 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 89.815 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY010716.D

Acq: 28 Sep 2022 15:06

Instrument :

MSVOA_Y

ClientSampleId :

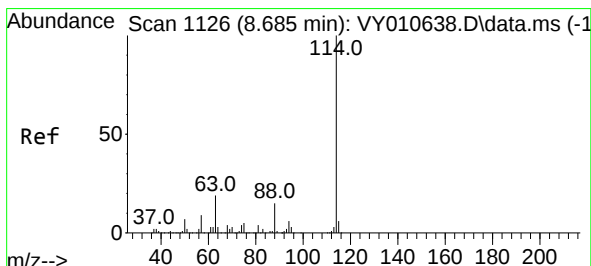
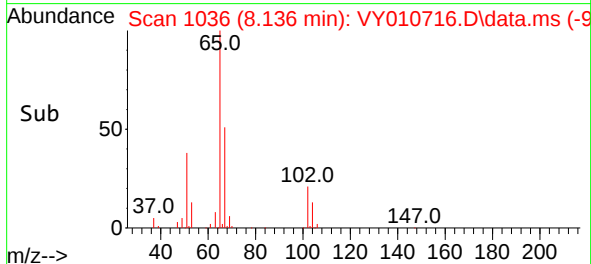
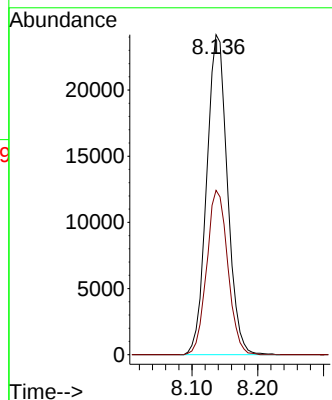
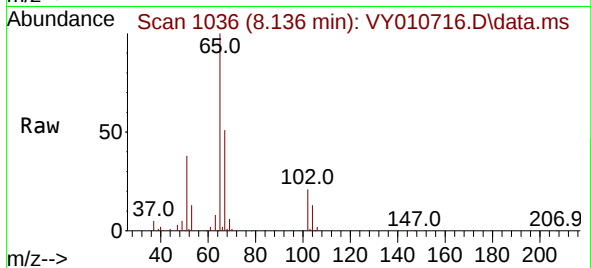
OE-02-092822

Tgt Ion: 65 Resp: 53005

Ion Ratio Lower Upper

65 100

67 52.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010716.D

Acq: 28 Sep 2022 15:06

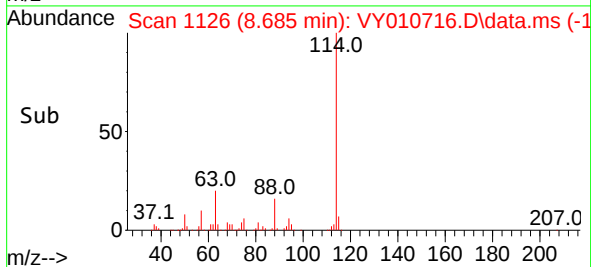
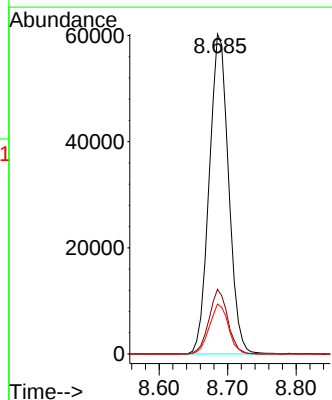
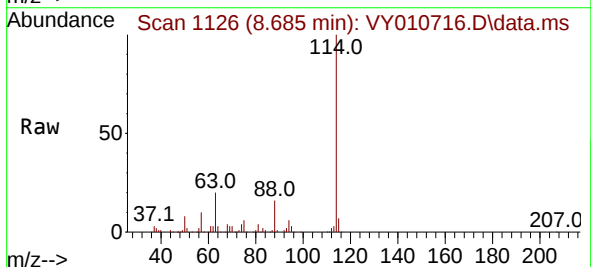
Tgt Ion:114 Resp: 118297

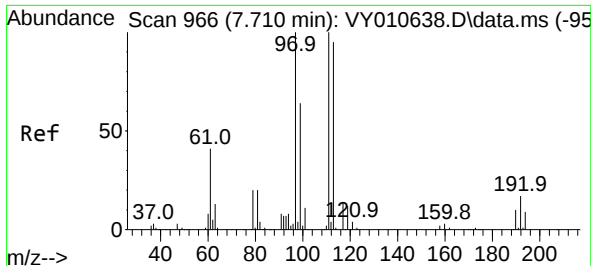
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 63.752 ug/l

RT: 7.716 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY010716.D

Acq: 28 Sep 2022 15:06

Instrument :

MSVOA_Y

ClientSampleId :

OE-02-092822

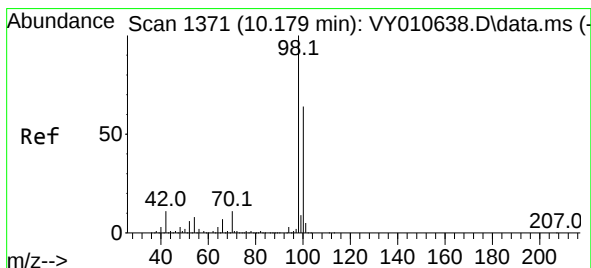
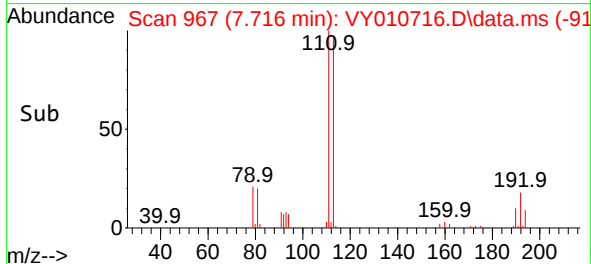
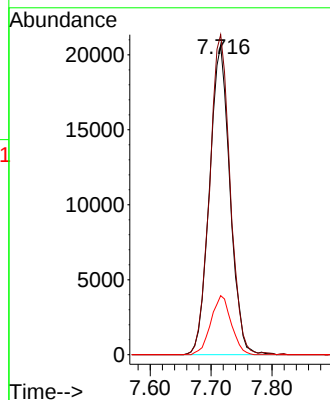
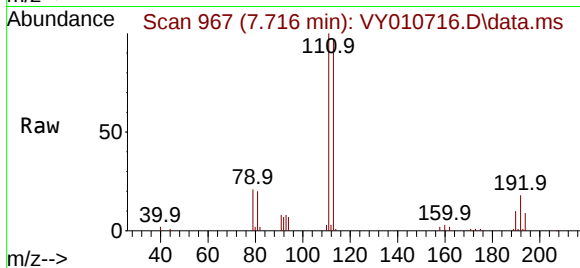
Tgt Ion:113 Resp: 48131

Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 19.0 17.6 26.4



#50

Toluene-d8

Concen: 45.409 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.006 min

Lab File: VY010716.D

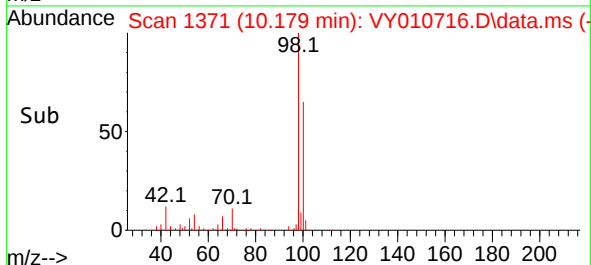
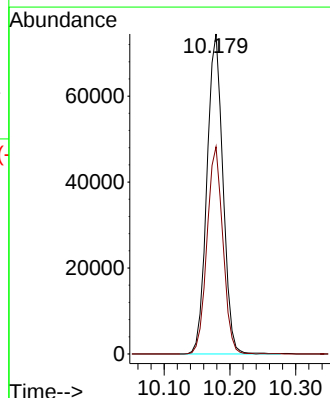
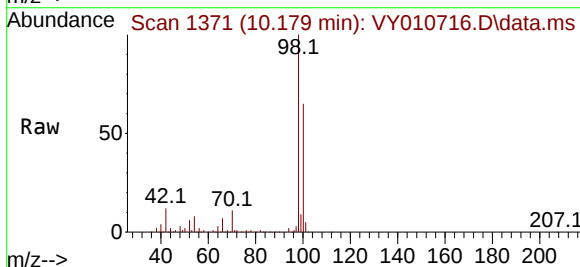
Acq: 28 Sep 2022 15:06

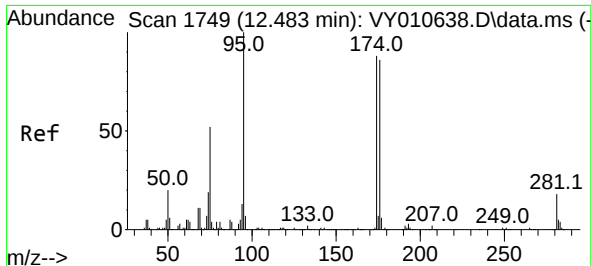
Tgt Ion: 98 Resp: 125846

Ion Ratio Lower Upper

98 100

100 64.2 50.2 75.2

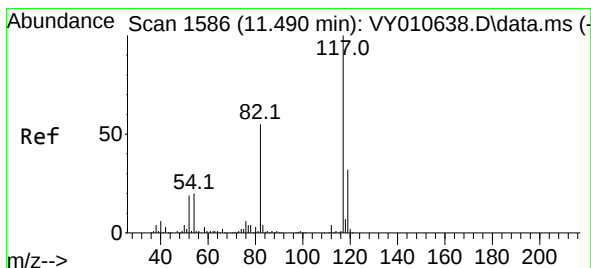
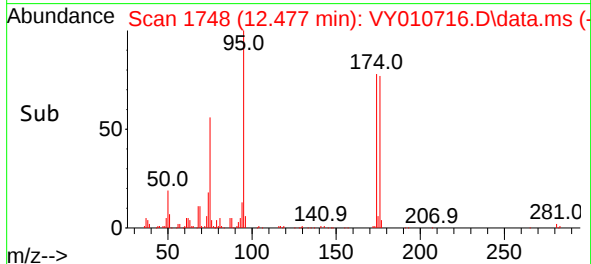
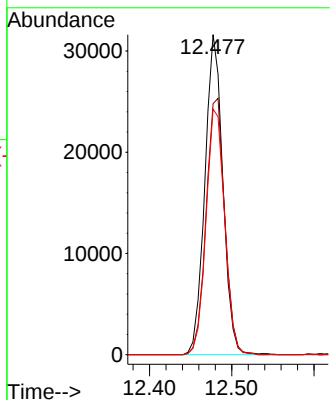
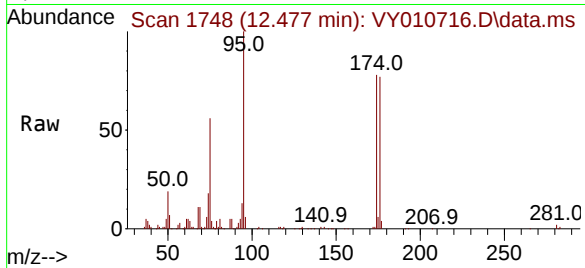




#62
4-Bromofluorobenzene
Concen: 46.103 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

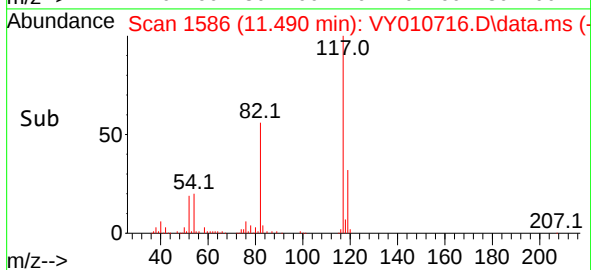
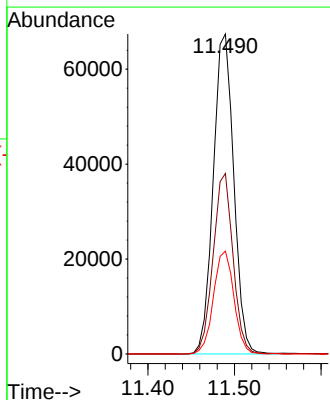
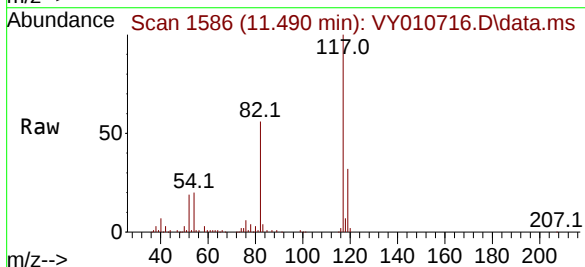
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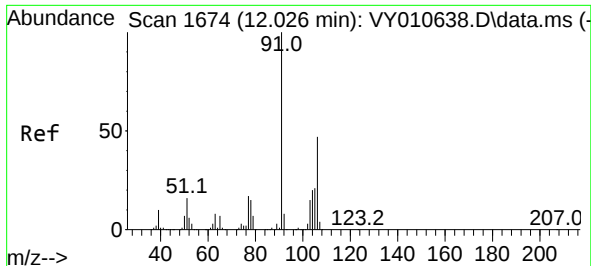
Tgt Ion: 95 Resp: 47959
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 79.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion: 117 Resp: 110933
Ion Ratio Lower Upper
117 100
82 56.4 43.0 64.4
119 32.1 25.4 38.0

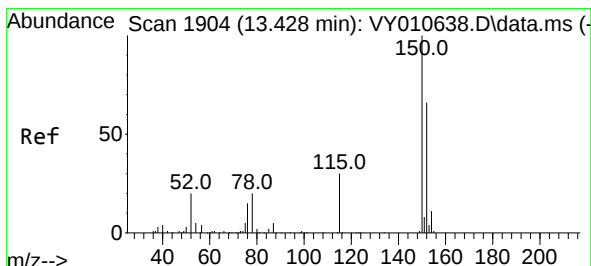
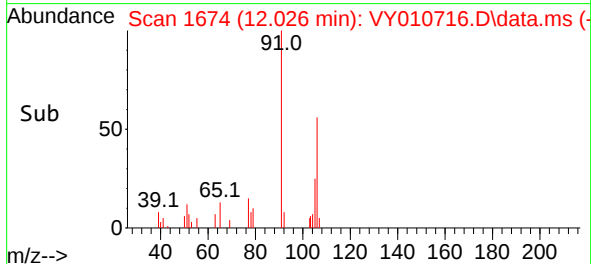
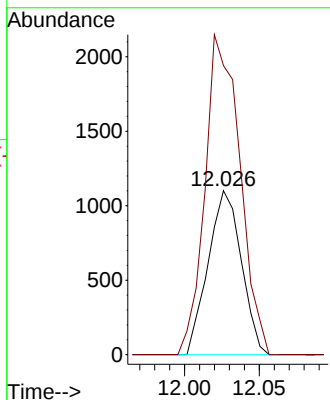
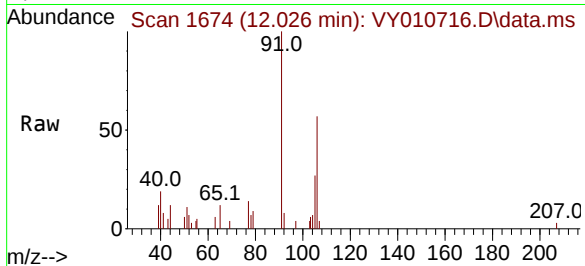




#69
o-Xylene
Concen: 1.335 ug/l
RT: 12.026 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

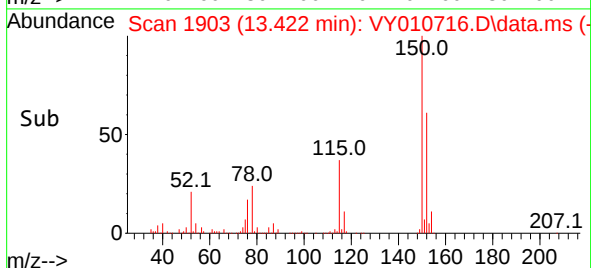
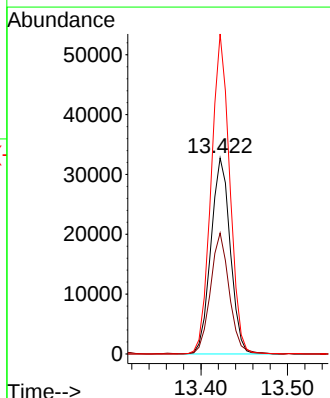
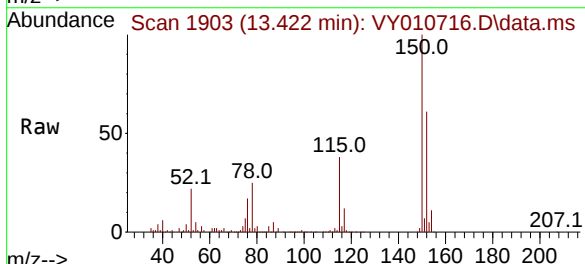
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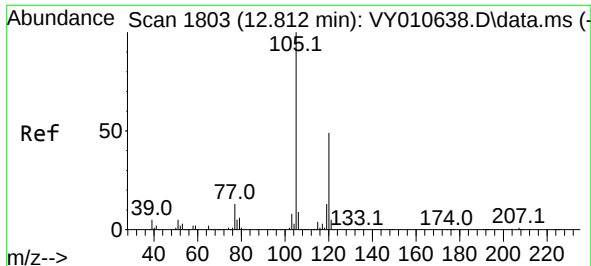
Tgt Ion:106 Resp: 1698
Ion Ratio Lower Upper
106 100
91 205.4 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion:152 Resp: 50864
Ion Ratio Lower Upper
152 100
115 60.0 28.2 84.7
150 156.5 0.0 347.6

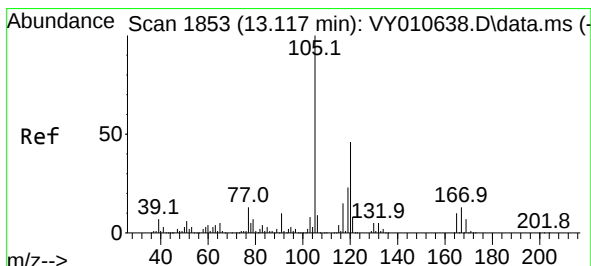
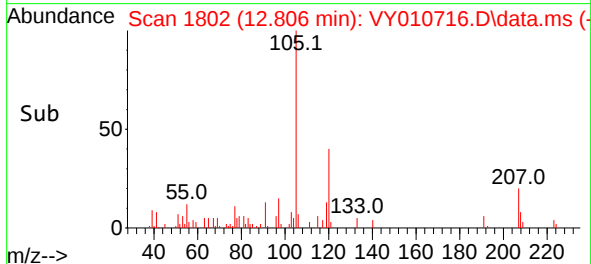
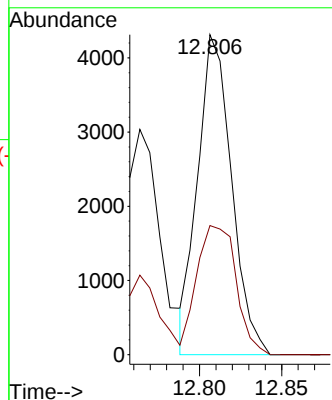
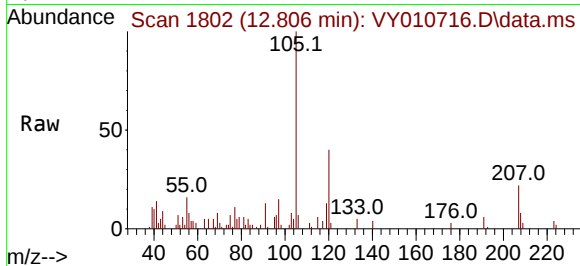




#80
1,3,5-Trimethylbenzene
Concen: 2.318 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.007 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

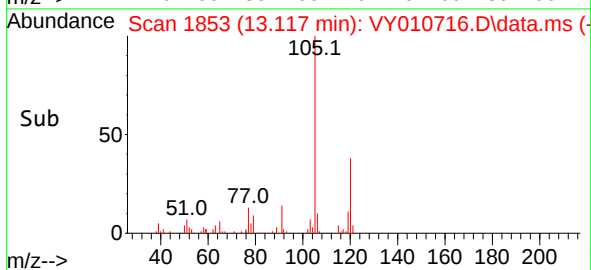
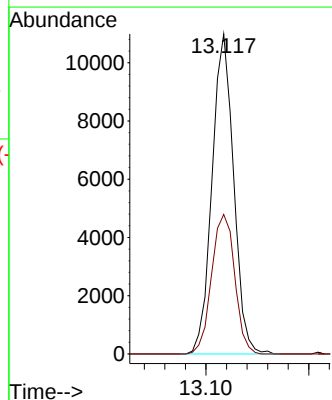
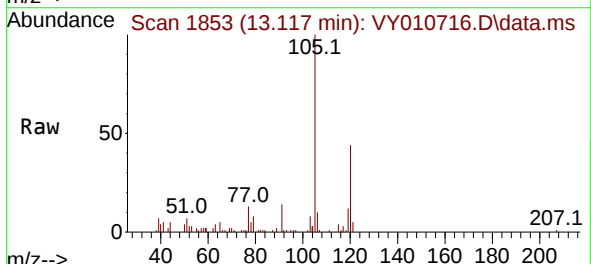
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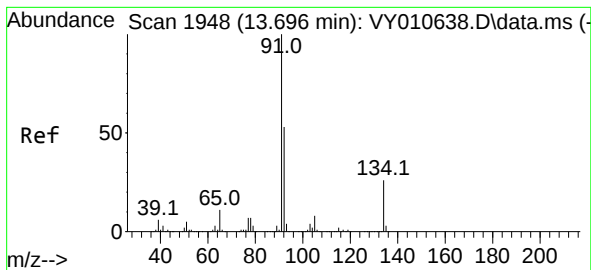
Tgt Ion:105 Resp: 6157
Ion Ratio Lower Upper
105 100
120 47.0 24.4 73.4



#84
1,2,4-Trimethylbenzene
Concen: 6.064 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion:105 Resp: 16001
Ion Ratio Lower Upper
105 100
120 46.7 22.3 66.9





#89

n-Butylbenzene

Concen: 1.501 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.001 min

Lab File: VY010716.D

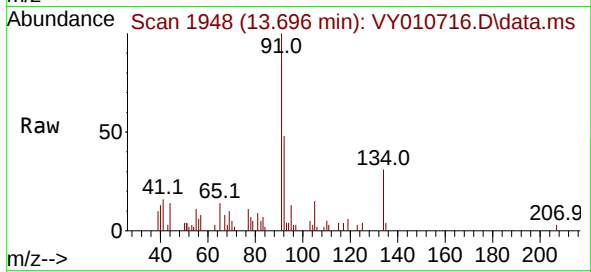
Acq: 28 Sep 2022 15:06

Instrument :

MSVOA_Y

ClientSampleId :

OE-02-092822



Tgt Ion: 91 Resp: 4007

Ion Ratio Lower Upper

91 100

92 58.0 26.3 78.9

134 0.0 13.0 38.9#

