

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102023\
 Data File : VY016060.D
 Acq On : 20 Oct 2023 12:41
 Operator : SY/MD
 Sample : 04981-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-10192023

Quant Time: Oct 20 23:06:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

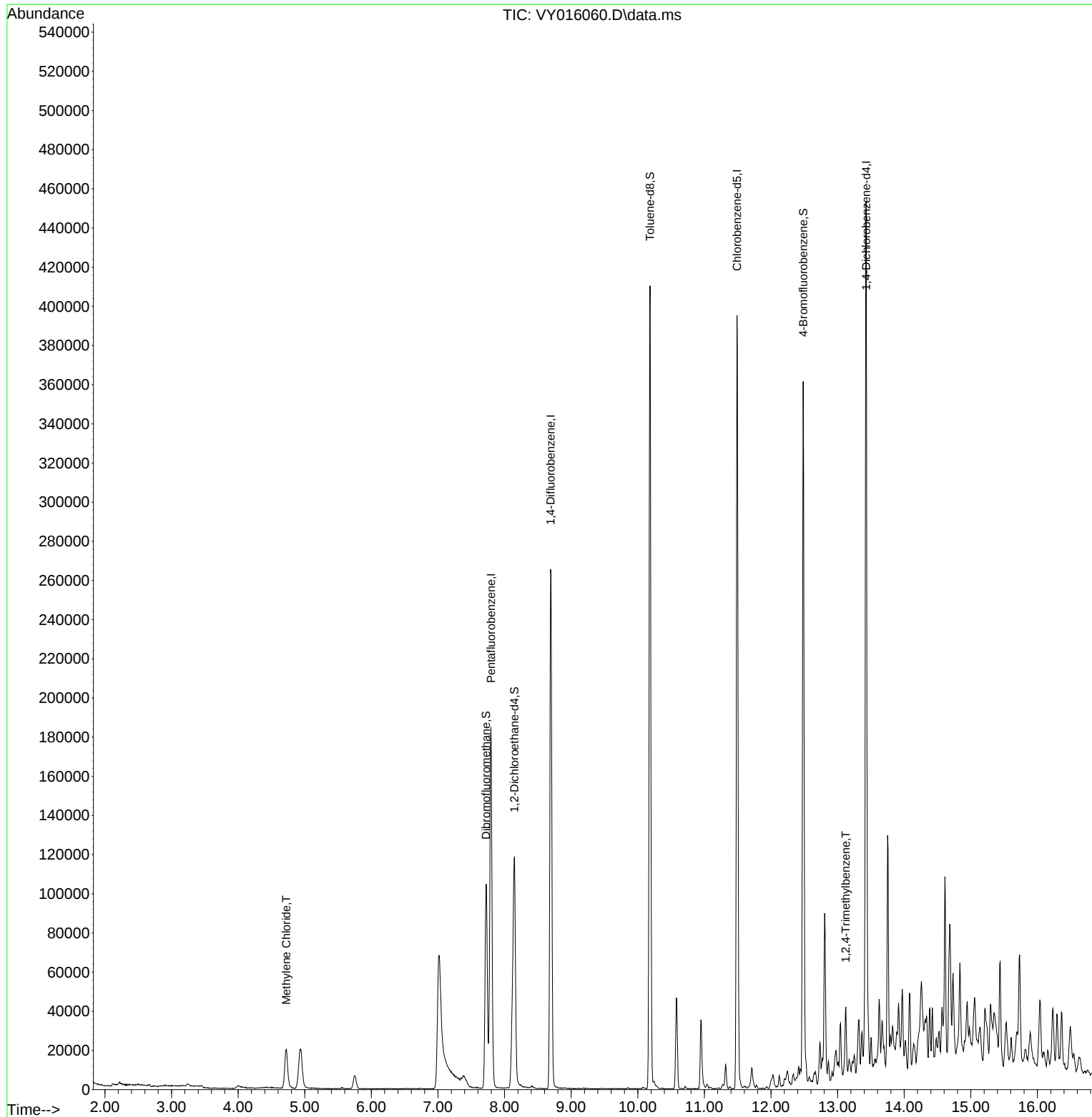
Internal Standards						
1) Pentafluorobenzene	7.795	168	147946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	238849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	221572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88757	52.784	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.560%
35) Dibromofluoromethane	7.722	113	77073	49.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.040%
50) Toluene-d8	10.185	98	276748	48.469	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.940%
62) 4-Bromofluorobenzene	12.483	95	98823	48.506	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.020%
Target Compounds						
20) Methylene Chloride	4.723	84	15852	8.561	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	18403	2.639	ug/l	98

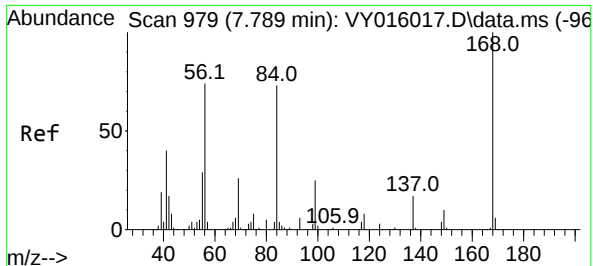
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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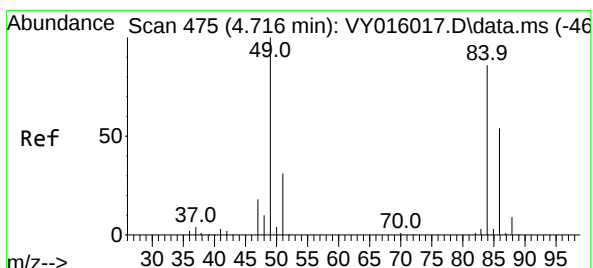
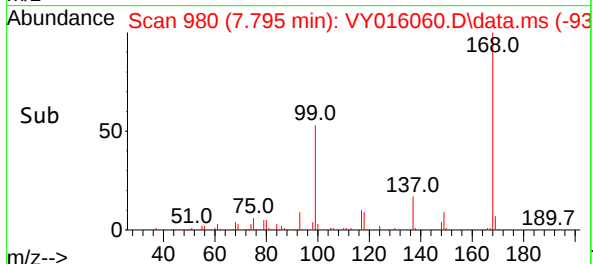
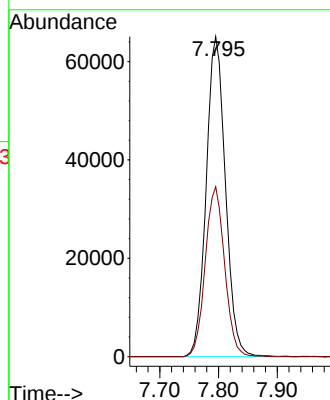
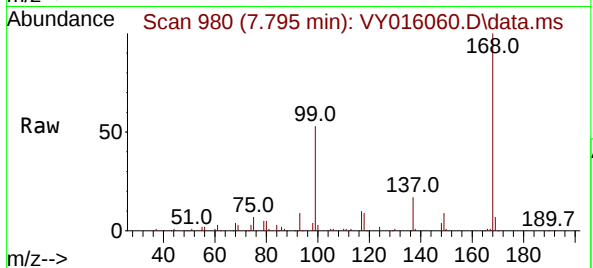




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

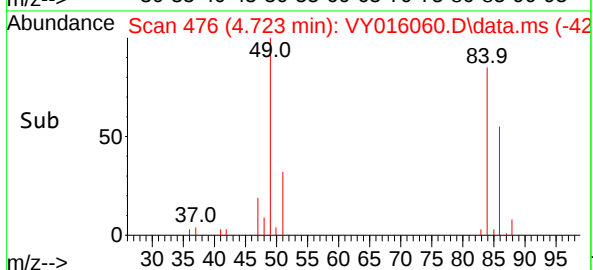
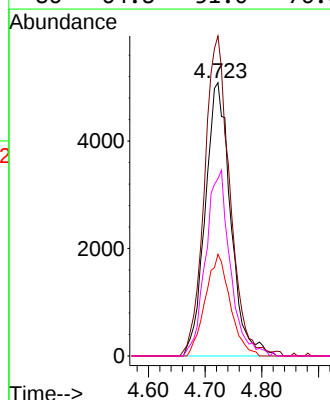
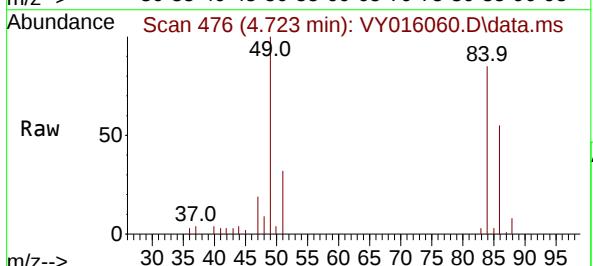
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-10192023

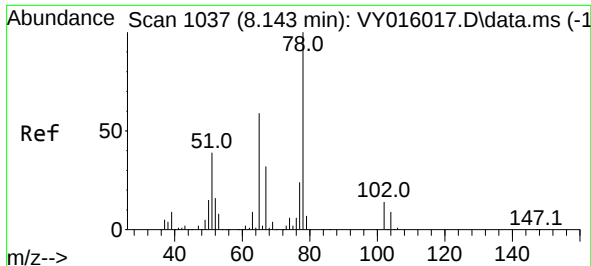
Tgt Ion:168 Resp: 147946
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#20
Methylene Chloride
Concen: 8.561 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Tgt Ion: 84 Resp: 15852
Ion Ratio Lower Upper
84 100
49 117.1 106.9 160.3
51 37.1 33.2 49.8
86 64.8 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 52.784 ug/l

RT: 8.149 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY016060.D

Acq: 20 Oct 2023 12:41

Instrument :

MSVOA_Y

ClientSampleId :

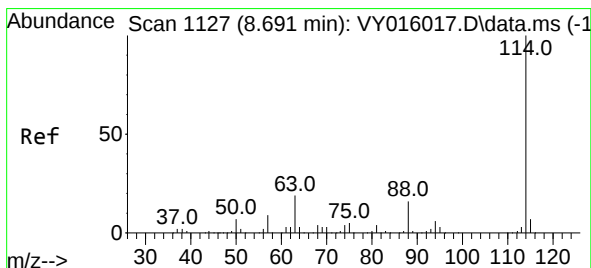
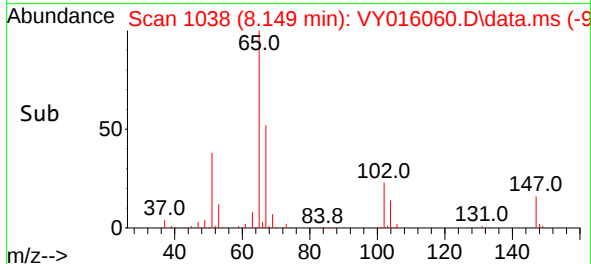
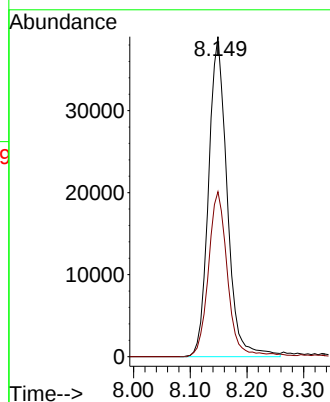
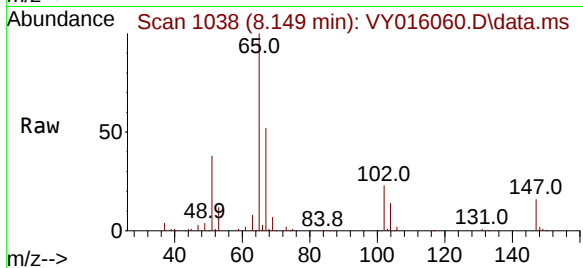
TR-04-10192023

Tgt Ion: 65 Resp: 88757

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY016060.D

Acq: 20 Oct 2023 12:41

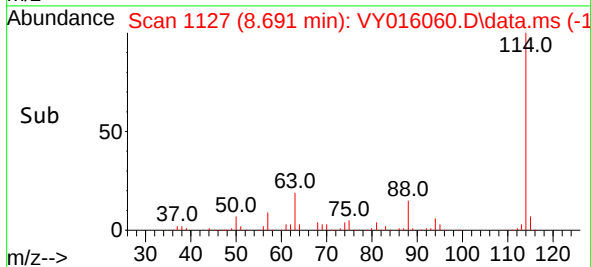
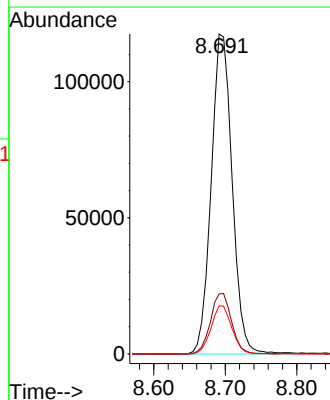
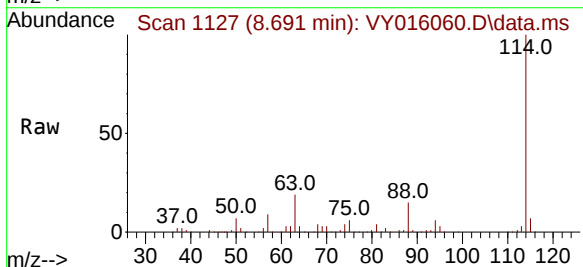
Tgt Ion: 114 Resp: 238849

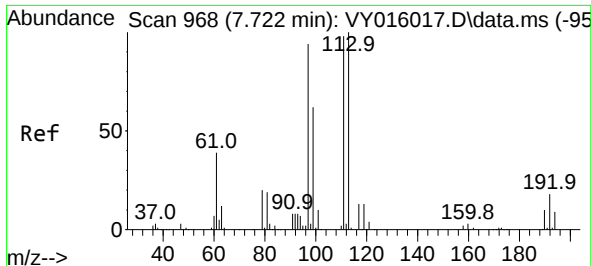
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.0 0.0 30.6

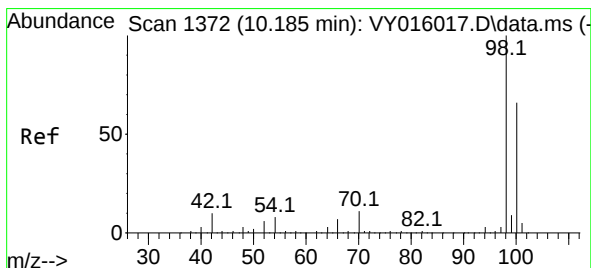
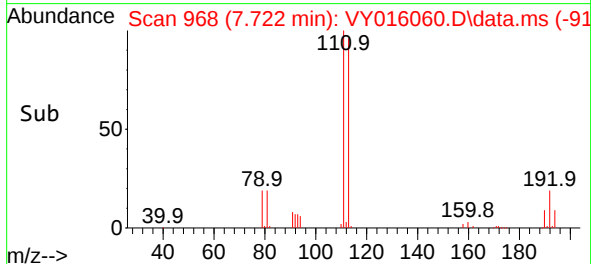
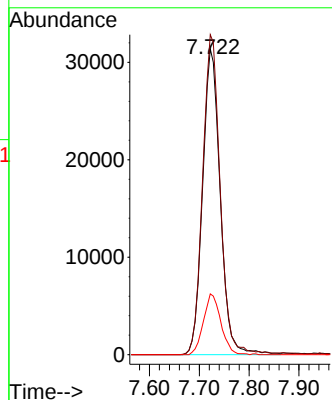
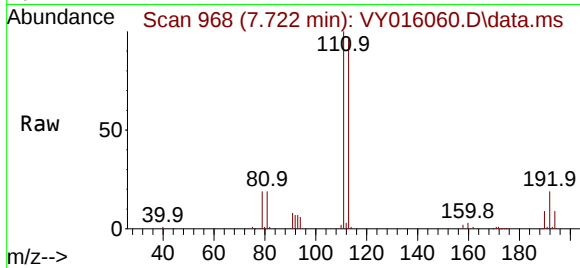




#35
Dibromofluoromethane
Concen: 49.024 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

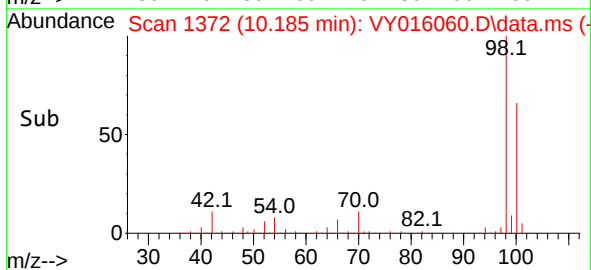
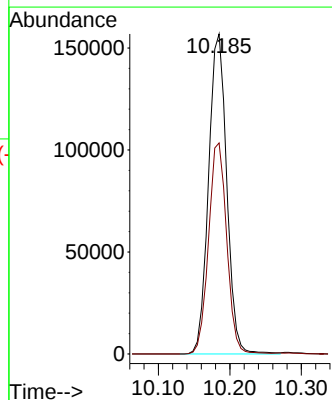
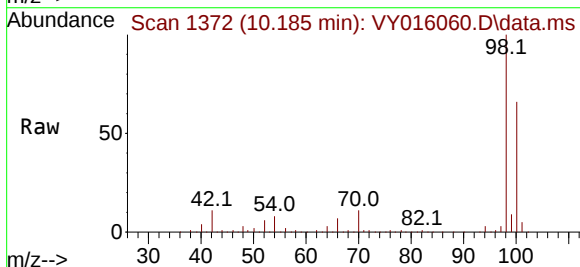
Instrument :
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TR-04-10192023

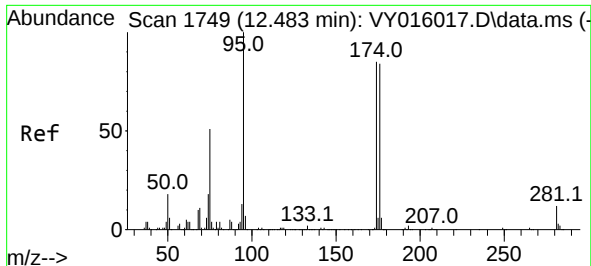
Tgt Ion:113 Resp: 77073
Ion Ratio Lower Upper
113 100
111 104.2 81.3 121.9
192 19.6 16.9 25.3



#50
Toluene-d8
Concen: 48.469 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Tgt Ion: 98 Resp: 276748
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1

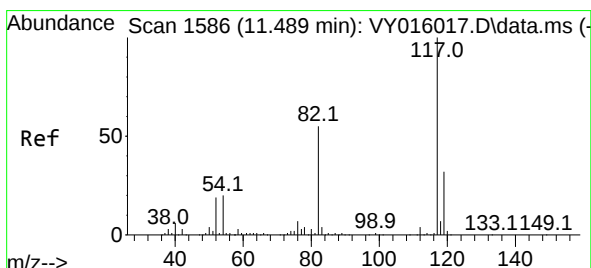
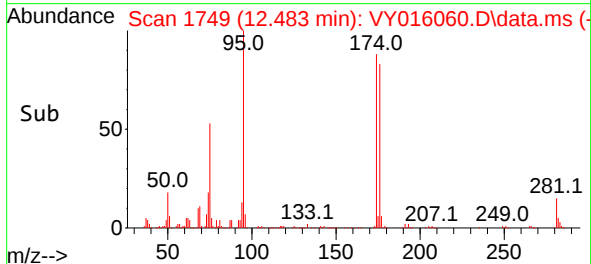
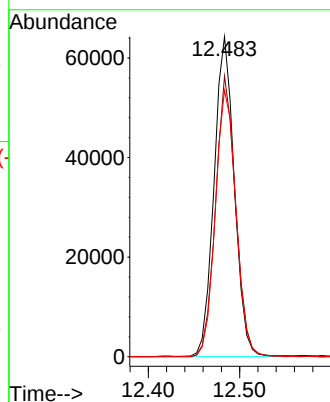
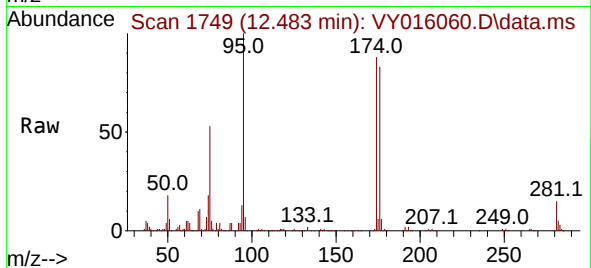




#62
4-Bromofluorobenzene
Concen: 48.506 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

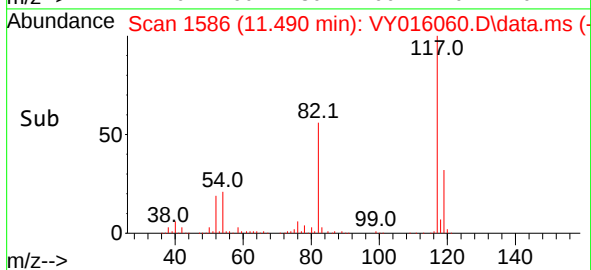
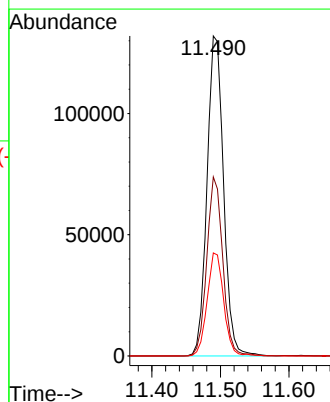
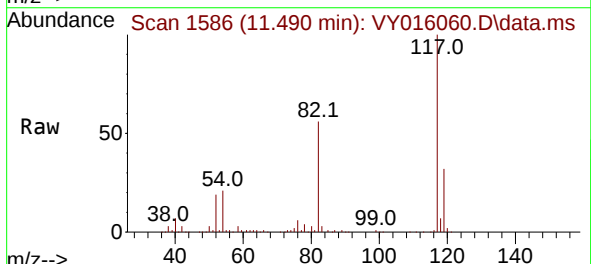
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-10192023

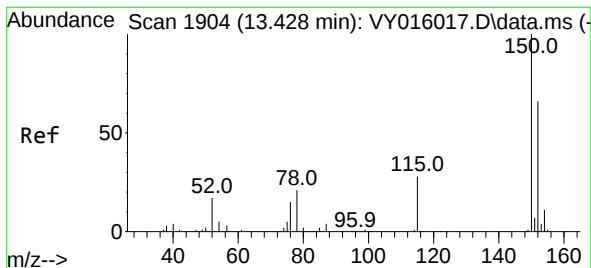
Tgt Ion:	95	Resp:	98823
Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	178.2
176	85.4	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Tgt Ion:	117	Resp:	221572
Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.4	65.0
119	32.2	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY016060.D

Acq: 20 Oct 2023 12:41

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-10192023

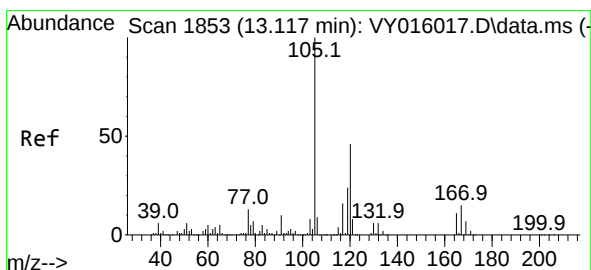
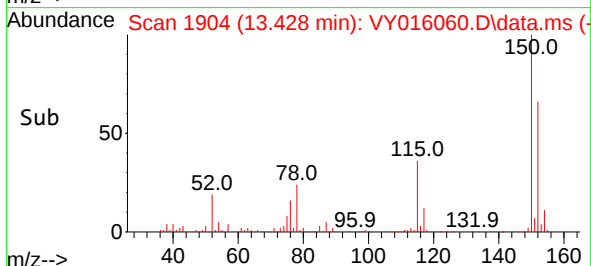
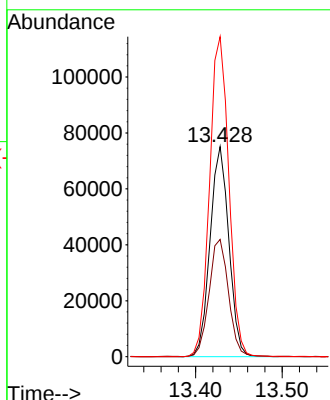
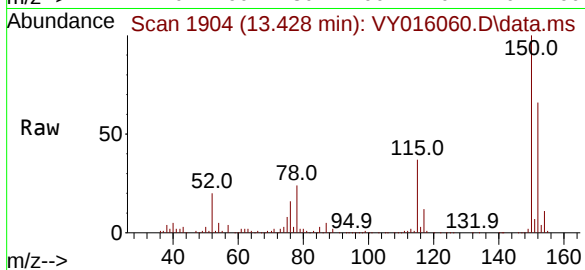
Tgt Ion:152 Resp: 113351

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 156.0 0.0 348.8



#84

1,2,4-Trimethylbenzene

Concen: 2.639 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY016060.D

Acq: 20 Oct 2023 12:41

Tgt Ion:105 Resp: 18403

Ion Ratio Lower Upper

105 100

120 45.9 22.2 66.6

