

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
 Data File : VY016046.D
 Acq On : 19 Oct 2023 18:43
 Operator : SY/MD
 Sample : 04945-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-2-101823

Quant Time: Oct 20 05:40:23 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)

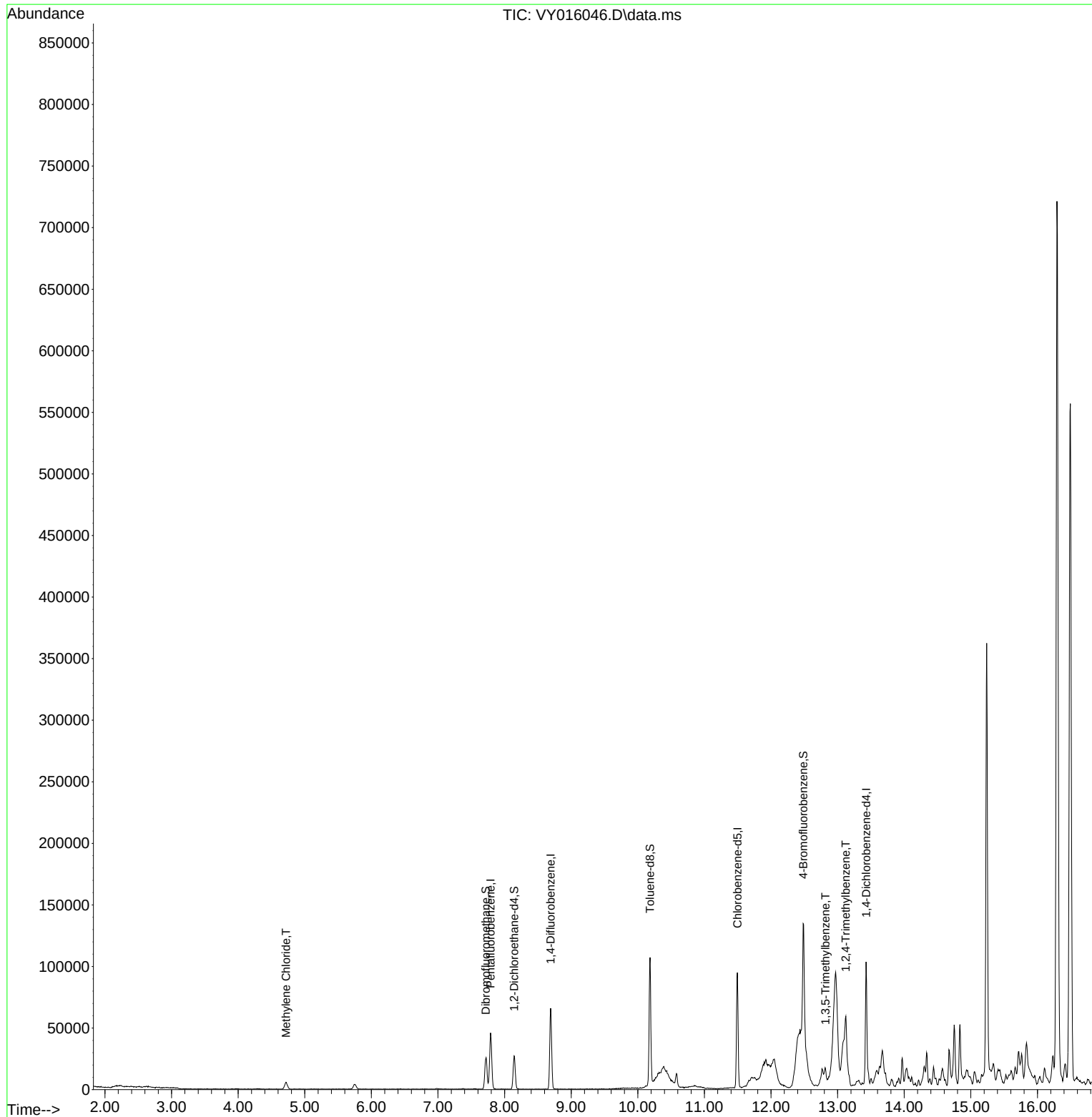
Internal Standards						
1) Pentafluorobenzene	7.789	168	35665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	58898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	53221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	26213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	21834	53.864	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.720%	
35) Dibromofluoromethane	7.716	113	19294	49.769	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.540%	
50) Toluene-d8	10.185	98	68846	48.897	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.800%	
62) 4-Bromofluorobenzene	12.483	95	24903	49.570	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.140%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.716	84	4230	9.476	ug/l #	81
80) 1,3,5-Trimethylbenzene	12.819	105	3320	2.044	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	11018	6.831	ug/l	94

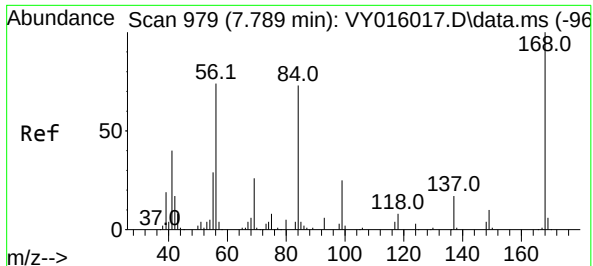
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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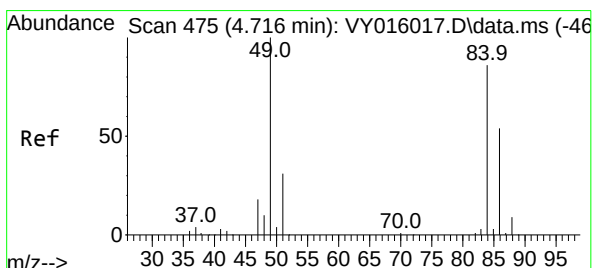
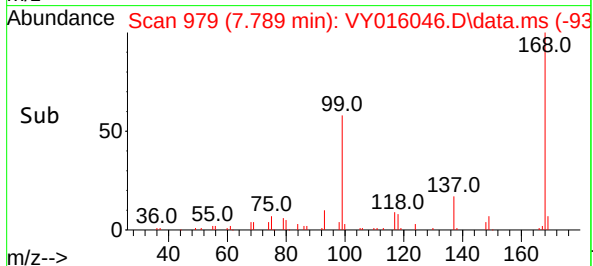
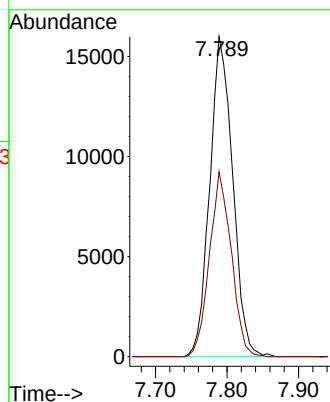
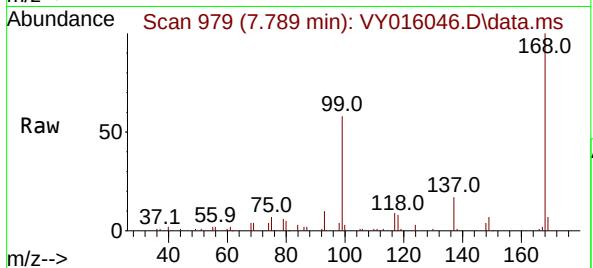




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016046.D
Acq: 19 Oct 2023 18:43

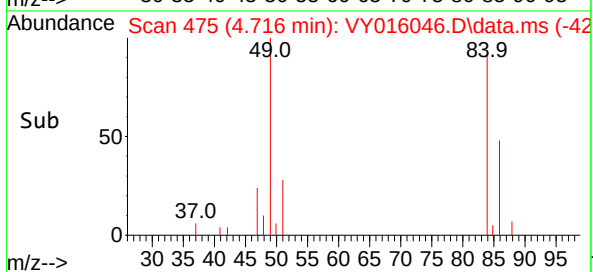
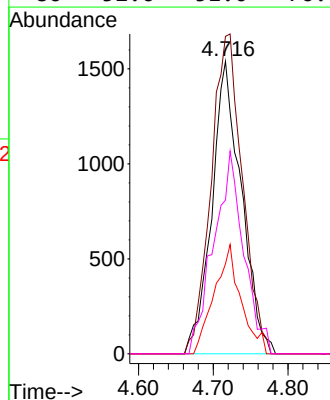
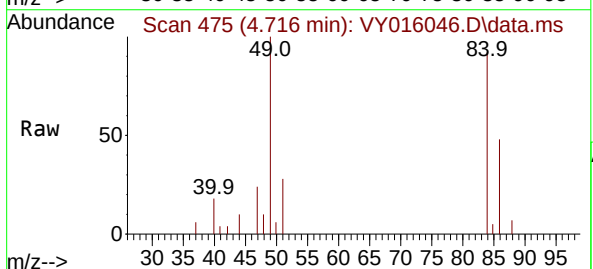
Instrument :
MSVOA_Y
ClientSampleId :
PAT-2-101823

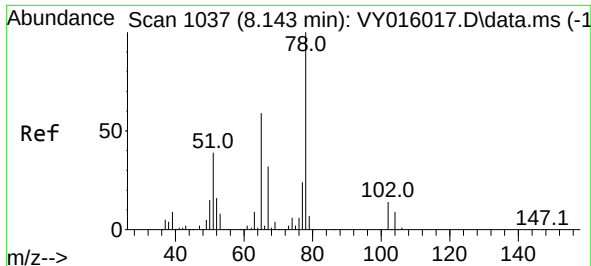
Tgt Ion:168 Resp: 35665
Ion Ratio Lower Upper
168 100
99 57.8 43.4 65.0



#20
Methylene Chloride
Concen: 9.476 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY016046.D
Acq: 19 Oct 2023 18:43

Tgt Ion: 84 Resp: 4230
Ion Ratio Lower Upper
84 100
49 108.5 106.9 160.3
51 30.8 33.2 49.8#
86 52.6 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 53.864 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY016046.D

Acq: 19 Oct 2023 18:43

Instrument :

MSVOA_Y

ClientSampleId :

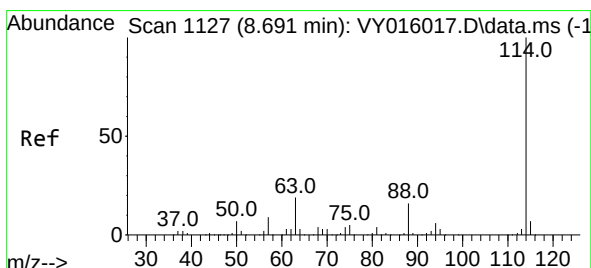
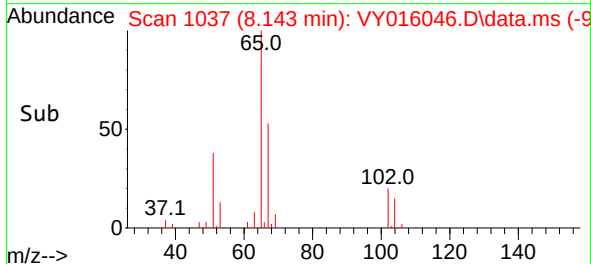
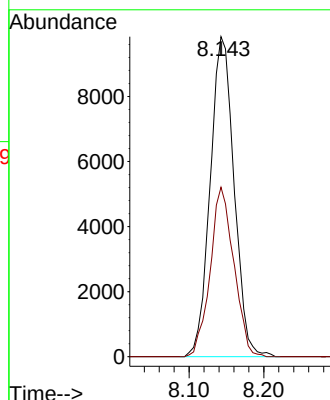
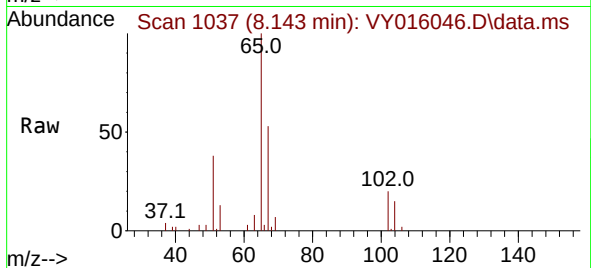
PAT-2-101823

Tgt Ion: 65 Resp: 21834

Ion Ratio Lower Upper

65 100

67 52.4 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: VY016046.D

Acq: 19 Oct 2023 18:43

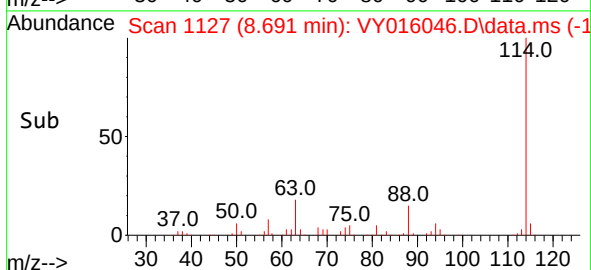
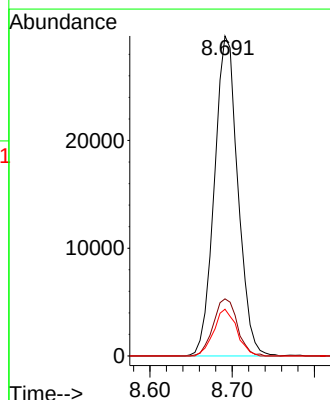
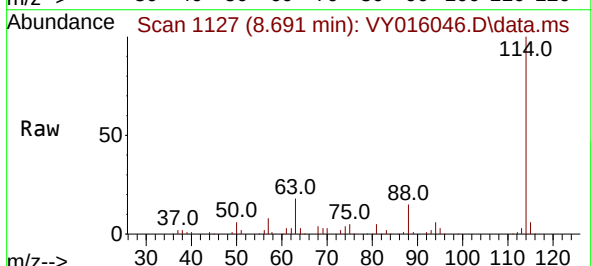
Tgt Ion: 114 Resp: 58898

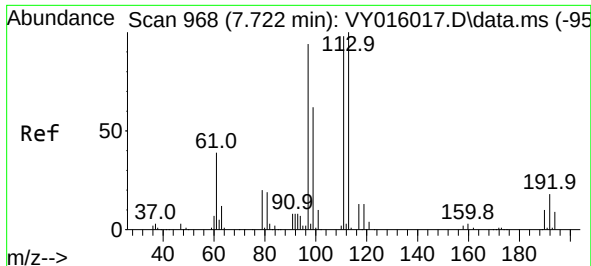
Ion Ratio Lower Upper

114 100

63 17.8 0.0 42.4

88 14.6 0.0 30.6

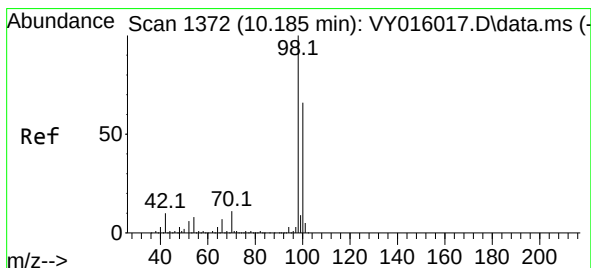
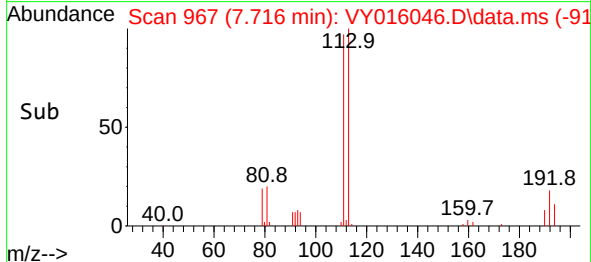
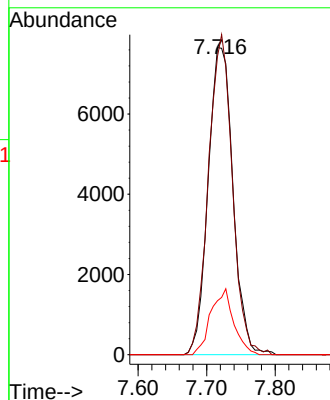
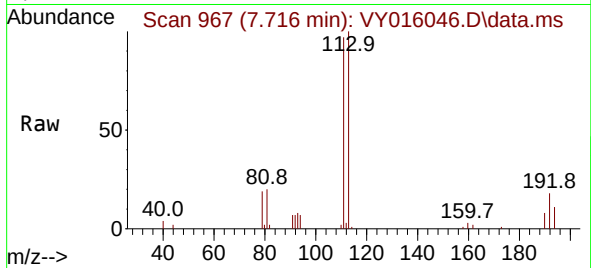




#35
Dibromofluoromethane
Concen: 49.769 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016046.D
Acq: 19 Oct 2023 18:43

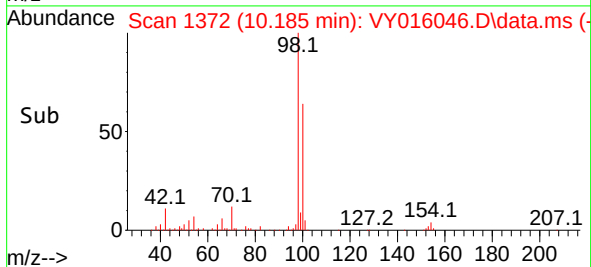
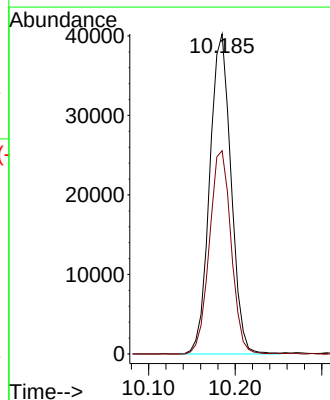
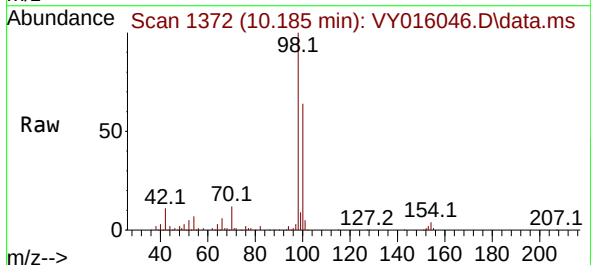
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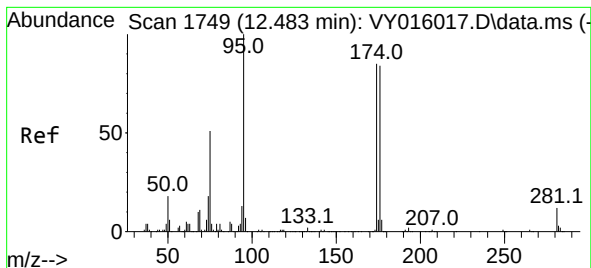
Tgt Ion:113 Resp: 19294
Ion Ratio Lower Upper
113 100
111 100.1 81.3 121.9
192 19.7 16.9 25.3



#50
Toluene-d8
Concen: 48.897 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY016046.D
Acq: 19 Oct 2023 18:43

Tgt Ion: 98 Resp: 68846
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1

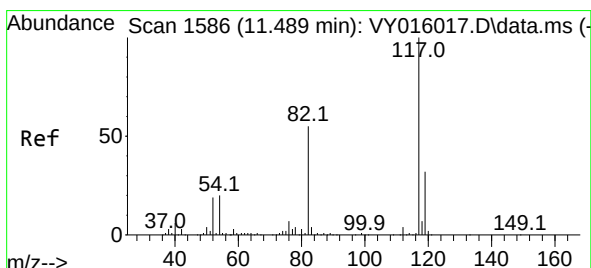
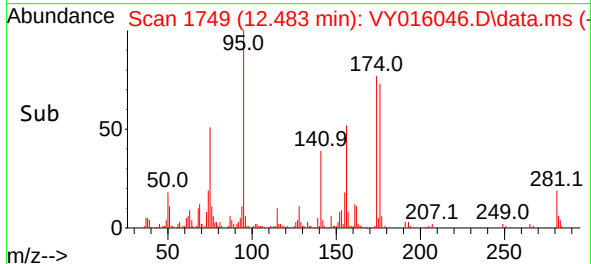
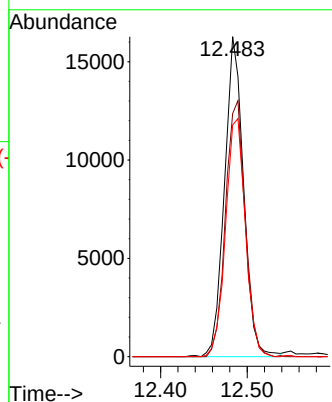
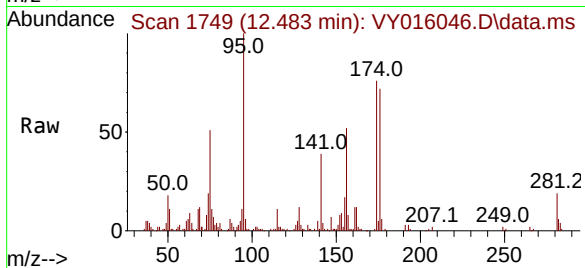




#62
4-Bromofluorobenzene
Concen: 49.570 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016046.D
Acq: 19 Oct 2023 18:43

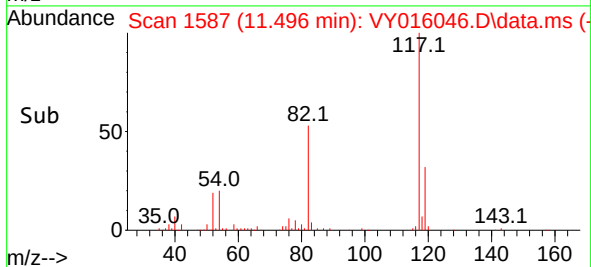
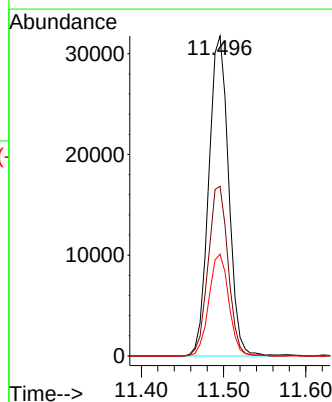
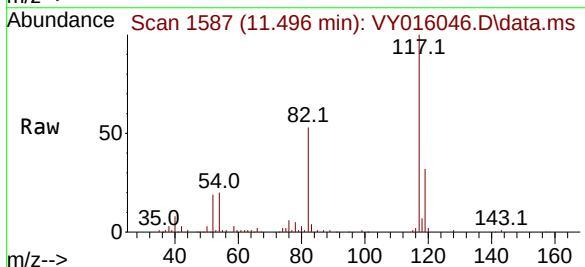
Instrument :
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ClientSampleId :
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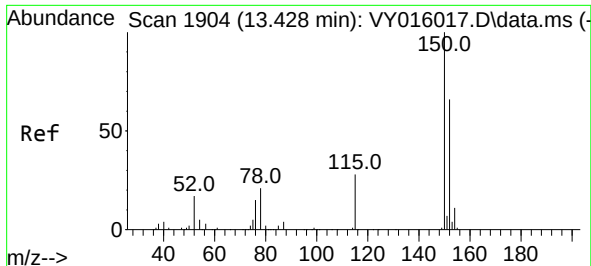
Tgt Ion: 95 Resp: 24903
Ion Ratio Lower Upper
95 100
174 82.6 0.0 178.2
176 77.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY016046.D
Acq: 19 Oct 2023 18:43

Tgt Ion: 117 Resp: 53221
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 31.8 26.3 39.5

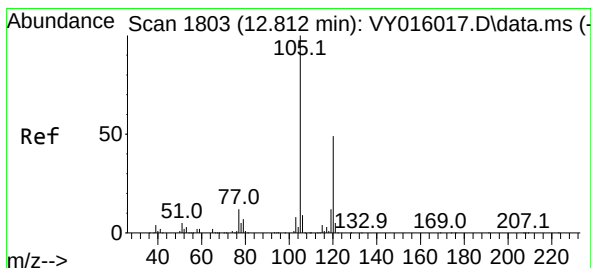
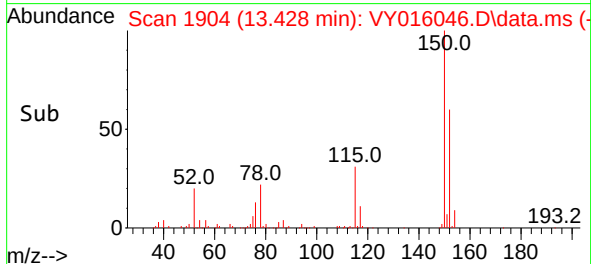
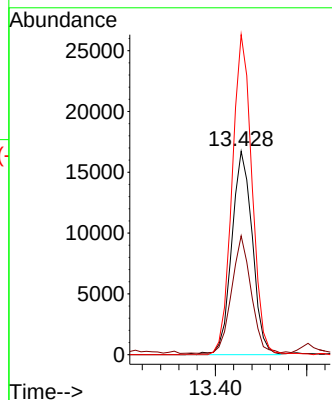
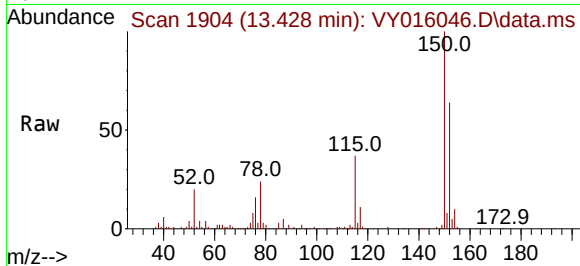




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY016046.D
 Acq: 19 Oct 2023 18:43

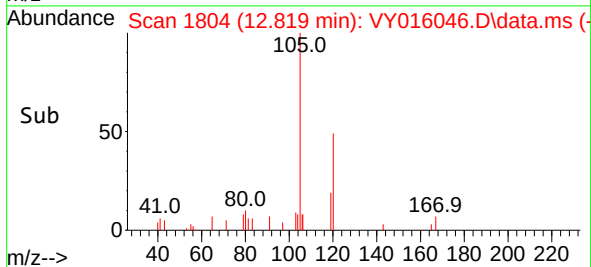
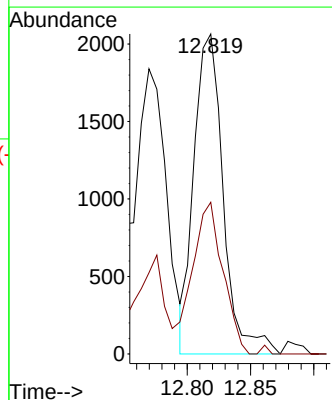
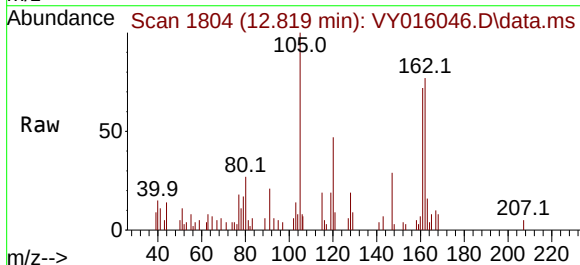
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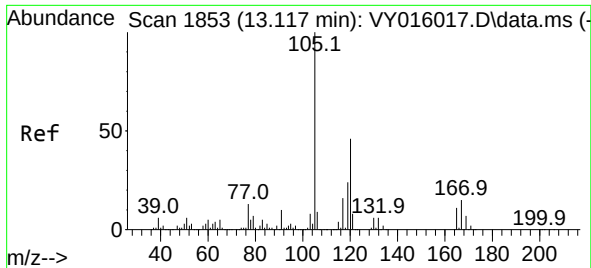
Tgt Ion:152 Resp: 26213
 Ion Ratio Lower Upper
 152 100
 115 54.4 28.8 86.5
 150 151.7 0.0 348.8



#80
 1,3,5-Trimethylbenzene
 Concen: 2.044 ug/l
 RT: 12.819 min Scan# 1804
 Delta R.T. 0.006 min
 Lab File: VY016046.D
 Acq: 19 Oct 2023 18:43

Tgt Ion:105 Resp: 3320
 Ion Ratio Lower Upper
 105 100
 120 49.9 23.9 71.7





#84
 1,2,4-Trimethylbenzene
 Concen: 6.831 ug/l
 RT: 13.123 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY016046.D
 Acq: 19 Oct 2023 18:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-2-101823

Tgt Ion:105 Resp: 11018
 Ion Ratio Lower Upper
 105 100
 120 48.2 22.2 66.6

