

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120123\
 Data File : VY016568.D
 Acq On : 01 Dec 2023 18:09
 Operator : SY/MD
 Sample : 05602-11
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ROUTE-4-TP-6

Quant Time: Dec 01 23:41:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

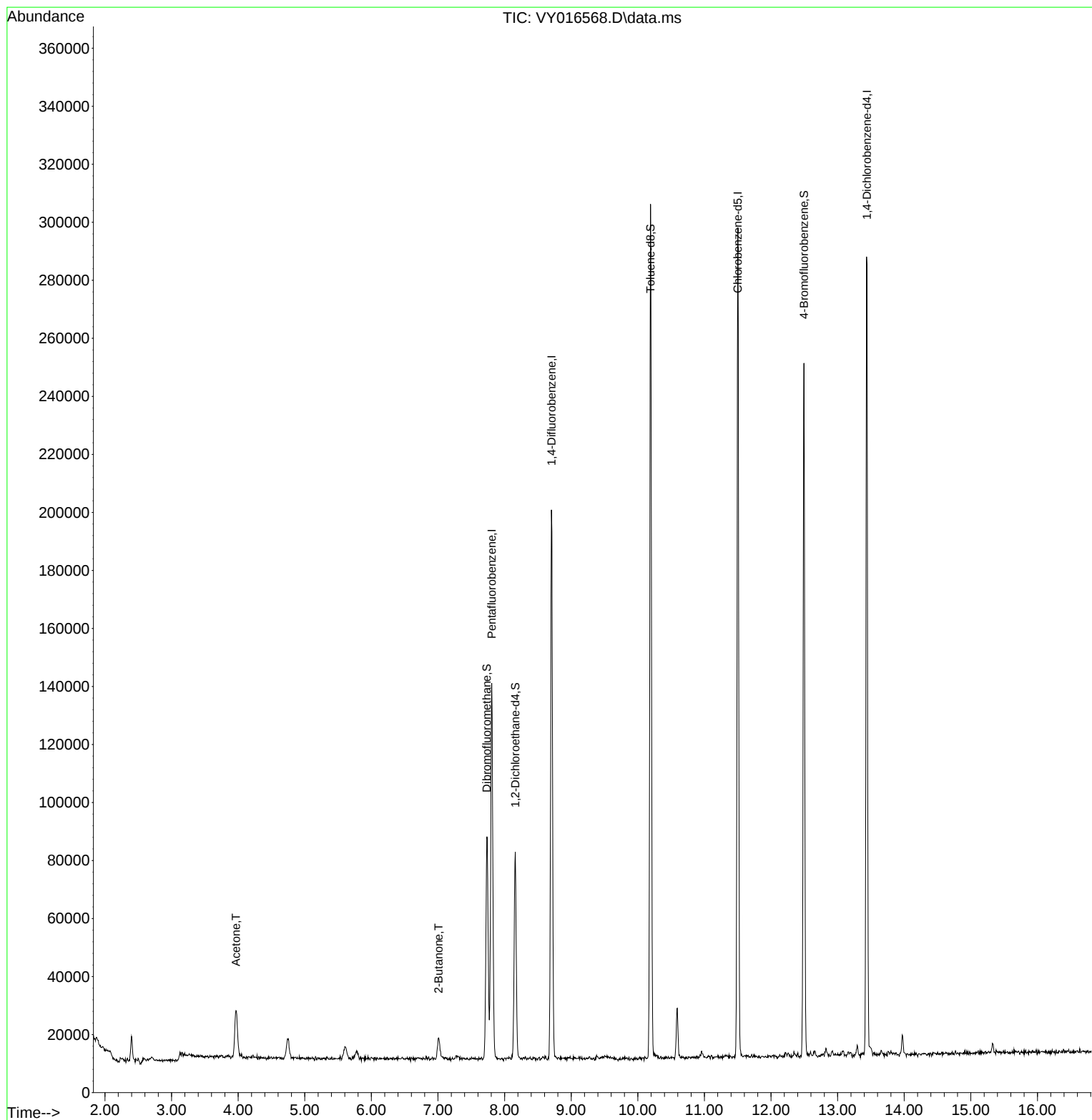
Internal Standards						
1) Pentafluorobenzene	7.807	168	107274	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.703	114	177055	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	171059	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	79329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	57447	67.783	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.560%	
35) Dibromofluoromethane	7.734	113	54610	52.552	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.100%	
50) Toluene-d8	10.191	98	203828	50.573	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	12.495	95	71922	56.884	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.760%	
Target Compounds						Qvalue
16) Acetone	3.967	43	29667	178.230	ug/l #	86
25) 2-Butanone	7.009	43	12176	53.249	ug/l #	84

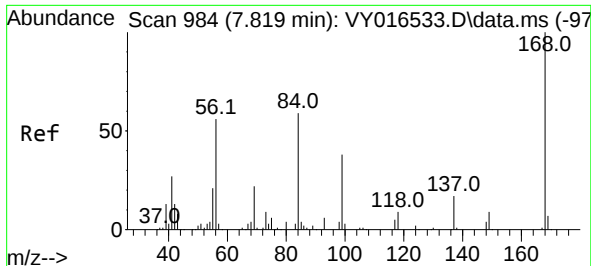
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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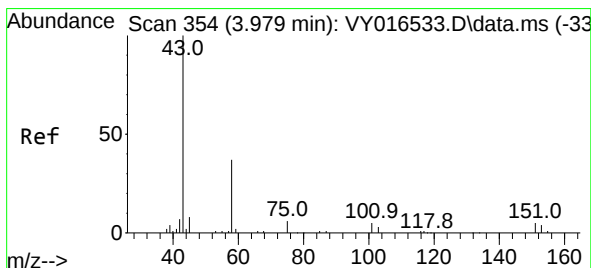
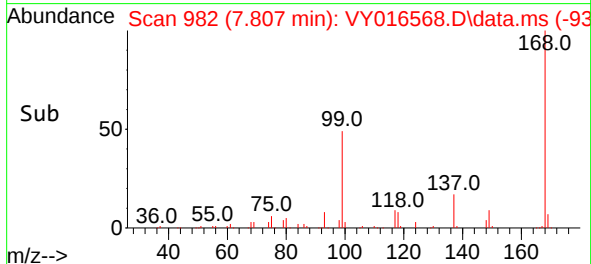
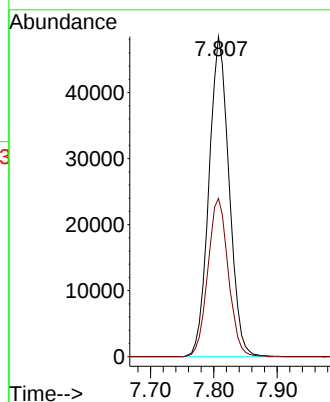
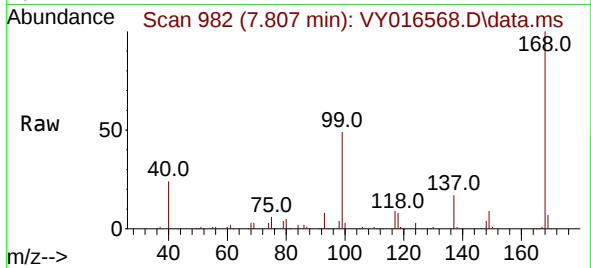




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

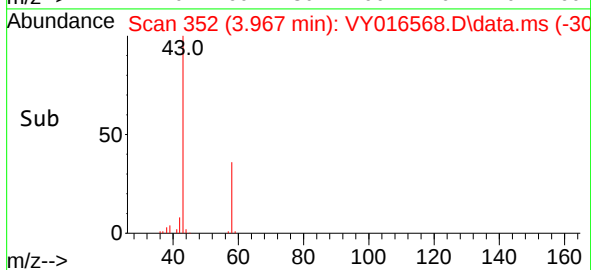
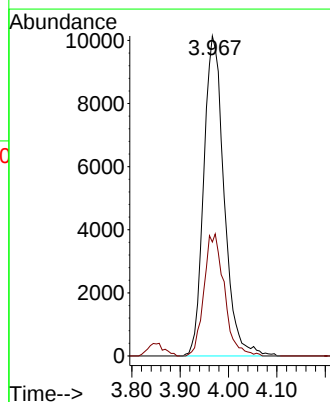
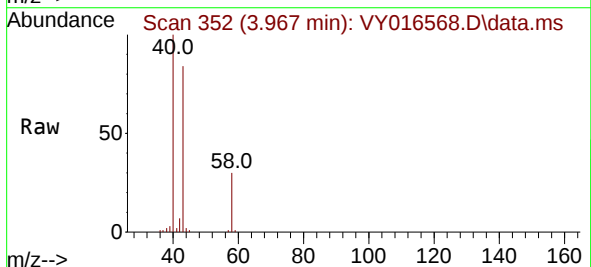
Instrument :
MSVOA_Y
ClientSampleId :
ROUTE-4-TP-6

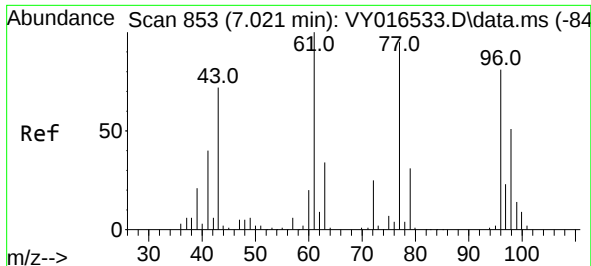
Tgt Ion:168 Resp: 107274
Ion Ratio Lower Upper
168 100
99 49.4 43.4 65.0



#16
Acetone
Concen: 178.230 ug/l
RT: 3.967 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Tgt Ion: 43 Resp: 29667
Ion Ratio Lower Upper
43 100
58 35.6 22.7 34.1#





#25

2-Butanone

Concen: 53.249 ug/l

RT: 7.009 min Scan# 8

Delta R.T. -0.012 min

Lab File: VY016568.D

Acq: 01 Dec 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :

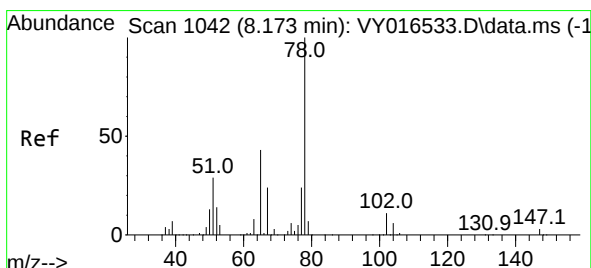
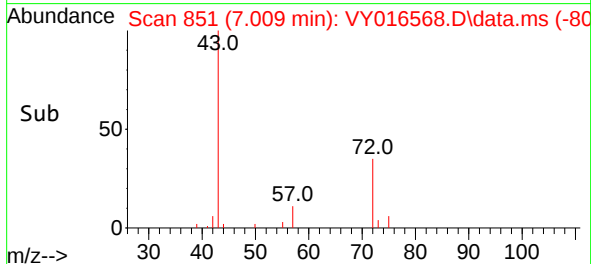
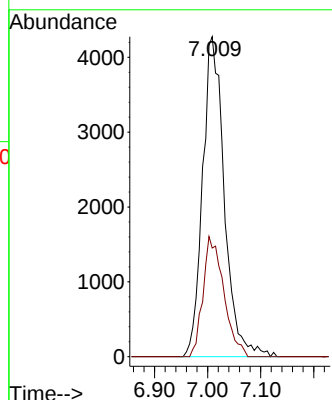
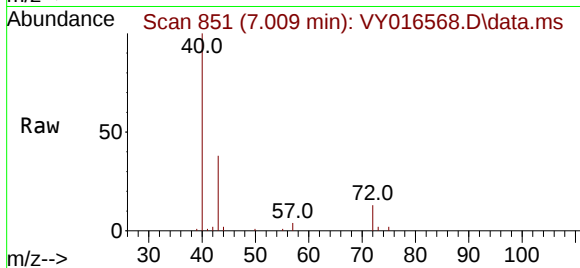
ROUTE-4-TP-6

Tgt Ion: 43 Resp: 12176

Ion Ratio Lower Upper

43 100

72 33.9 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 67.783 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.012 min

Lab File: VY016568.D

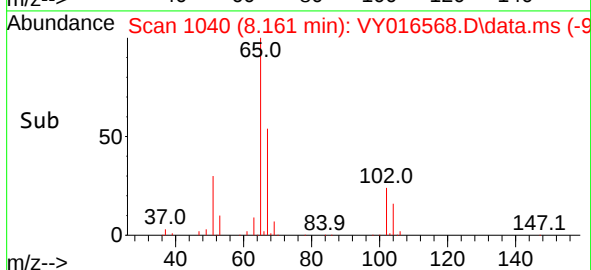
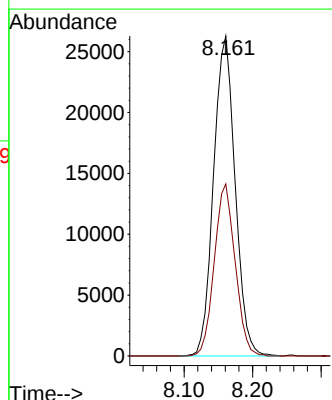
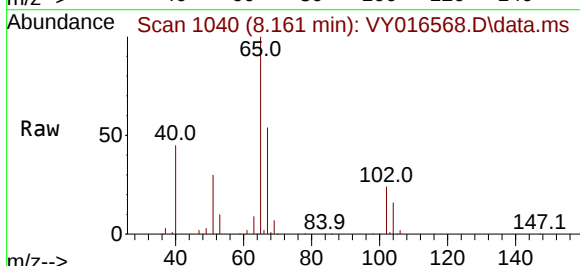
Acq: 01 Dec 2023 18:09

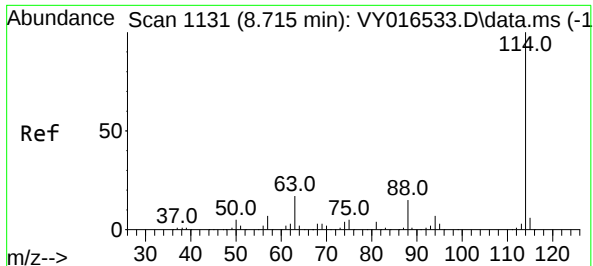
Tgt Ion: 65 Resp: 57447

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY016568.D

Acq: 01 Dec 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :

ROUTE-4-TP-6

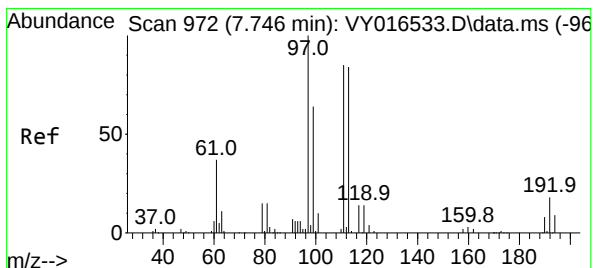
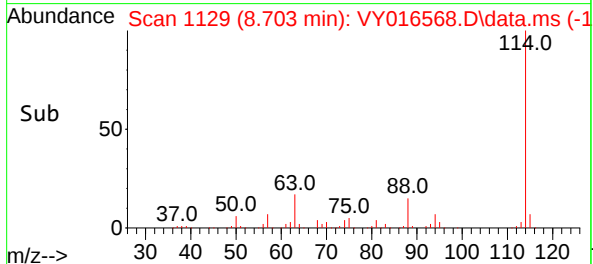
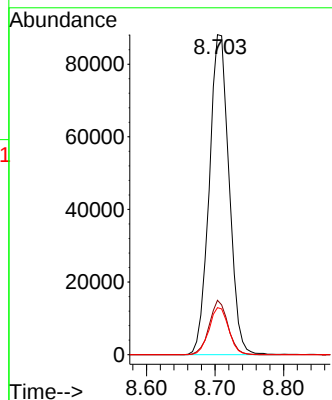
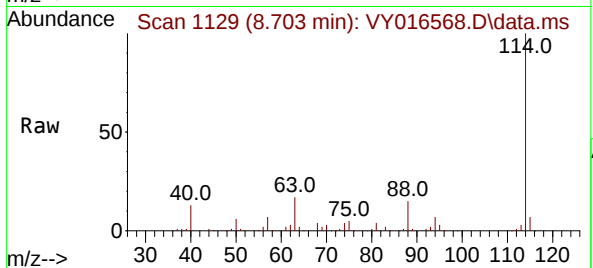
Tgt Ion:114 Resp: 177055

Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.552 ug/l

RT: 7.734 min Scan# 970

Delta R.T. -0.012 min

Lab File: VY016568.D

Acq: 01 Dec 2023 18:09

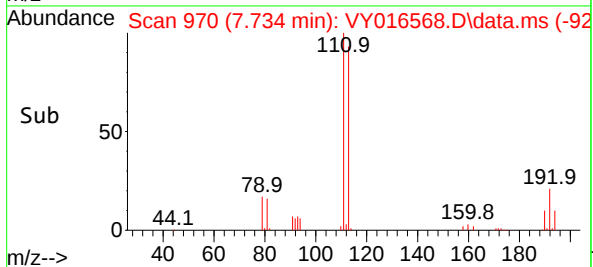
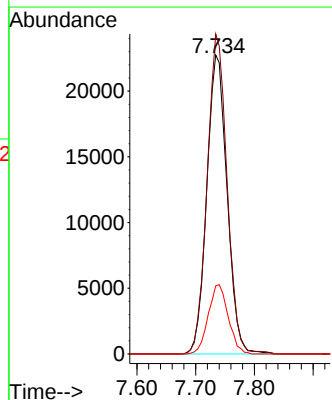
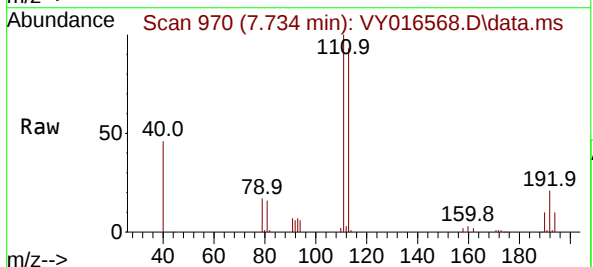
Tgt Ion:113 Resp: 54610

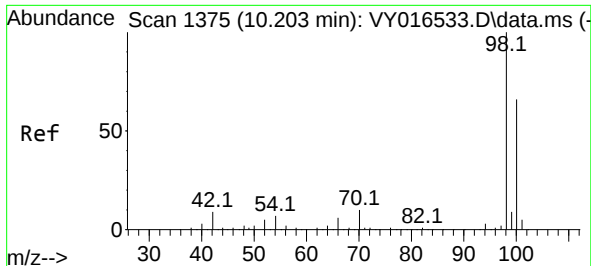
Ion Ratio Lower Upper

113 100

111 104.9 81.3 121.9

192 22.8 16.9 25.3

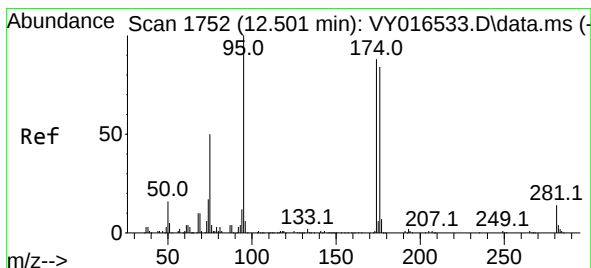
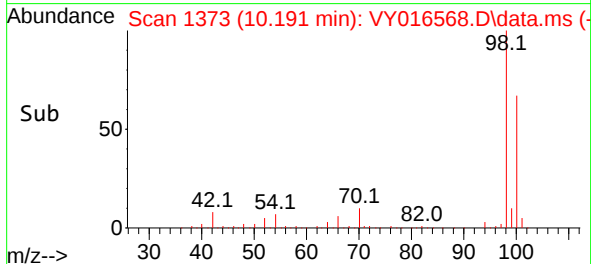
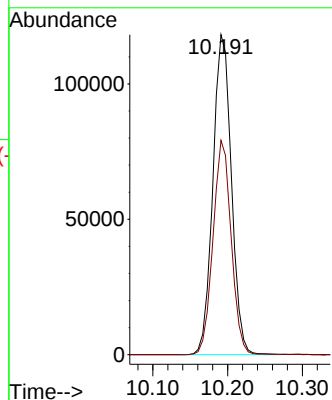
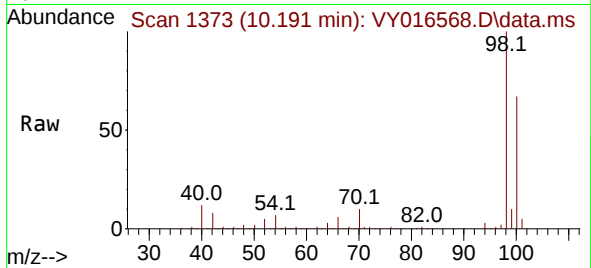




#50
Toluene-d8
Concen: 50.573 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

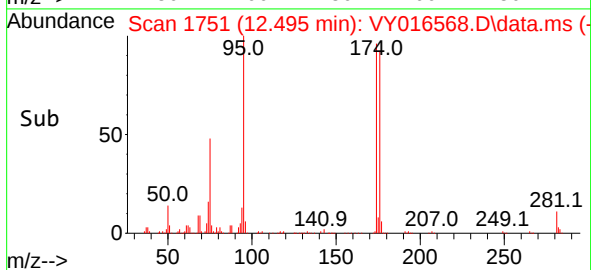
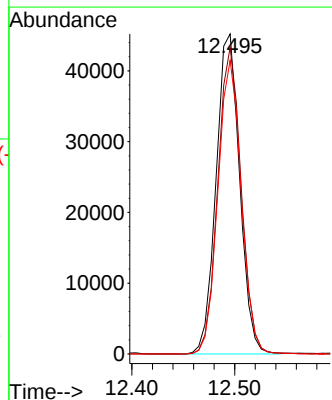
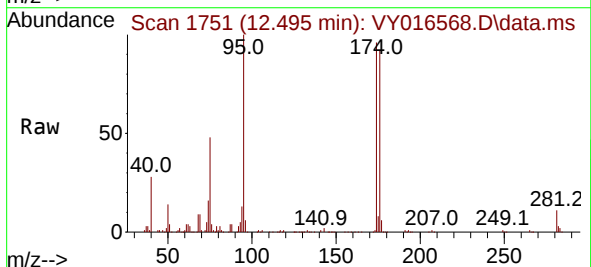
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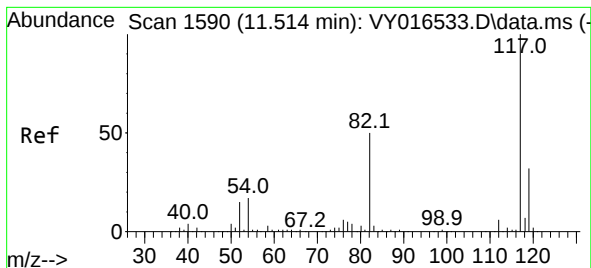
Tgt Ion: 98 Resp: 203828
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 56.884 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.006 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Tgt Ion: 95 Resp: 71922
Ion Ratio Lower Upper
95 100
174 94.9 0.0 178.2
176 90.8 0.0 173.8

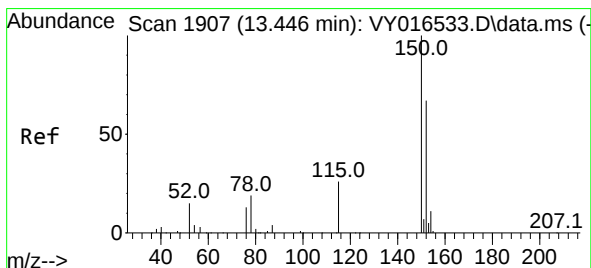
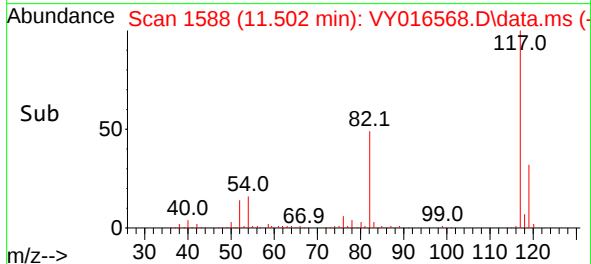
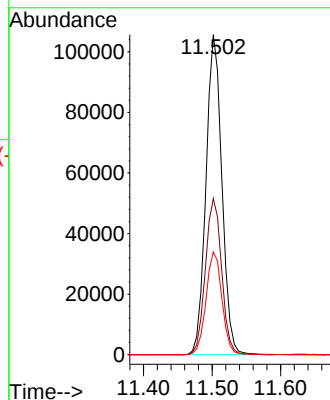
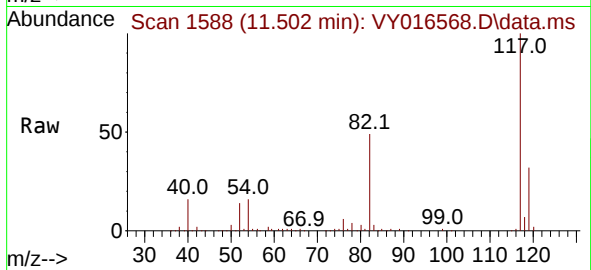




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :
ROUTE-4-TP-6

Tgt Ion:117 Resp: 171059
Ion Ratio Lower Upper
117 100
82 48.8 43.4 65.0
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY016568.D
Acq: 01 Dec 2023 18:09

Tgt Ion:152 Resp: 79329
Ion Ratio Lower Upper
152 100
115 57.0 28.8 86.5
150 161.2 0.0 348.8

