

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020969.D
 Acq On : 29 Jan 2025 17:05
 Operator : SY/MD
 Sample : Q1220-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-01292025

Quant Time: Jan 30 00:36:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

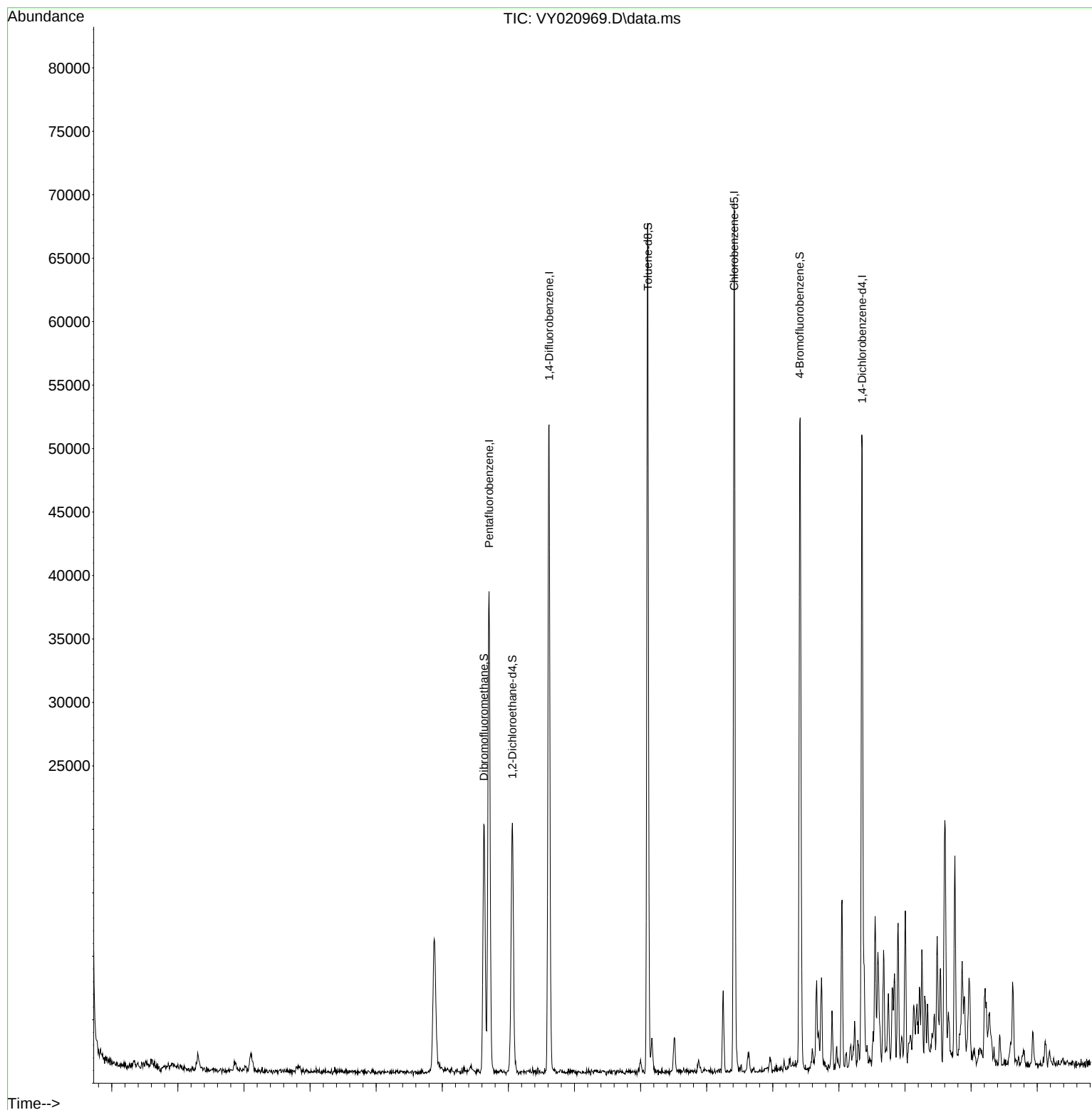
Internal Standards						
1) Pentafluorobenzene	7.707	168	32237	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	47221	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	39049	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.352	152	13186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	15422	60.001	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.000%	
35) Dibromofluoromethane	7.628	113	14249	52.562	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.120%	
50) Toluene-d8	10.109	98	46972	44.671	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 89.340%	
62) 4-Bromofluorobenzene	12.408	95	12810	36.606	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 73.220%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	1193	34.258	ug/l	98
52) Toluene	10.170	92	1186	1.661	ug/l	90
68) m/p-Xylenes	11.633	106	636	1.247	ug/l	93
78) n-propylbenzene	12.597	91	1430	1.352	ug/l	86
80) 1,3,5-Trimethylbenzene	12.737	105	1804	2.472	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	7395	10.294	ug/l	96
85) sec-Butylbenzene	13.176	105	1355	1.412	ug/l	99
89) n-Butylbenzene	13.621	91	1212	1.695	ug/l #	75

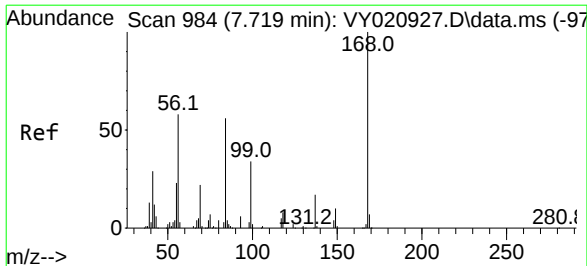
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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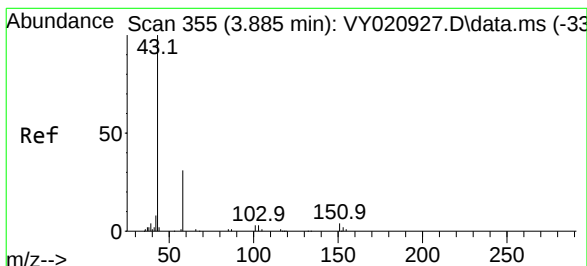
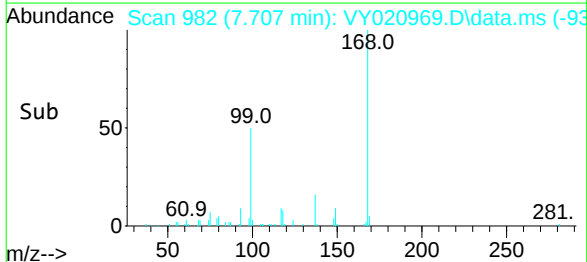
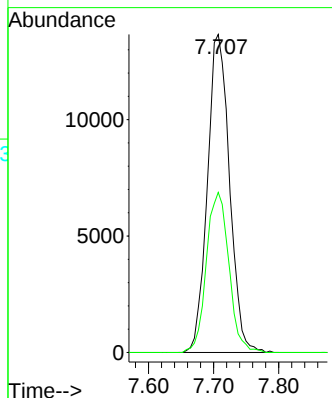
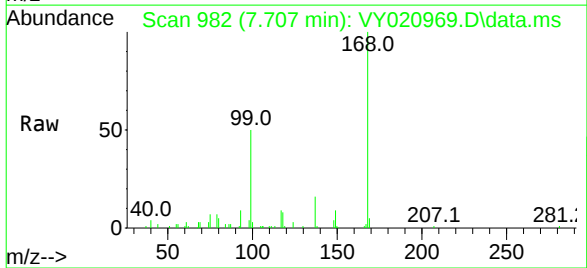




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020969.D
Acq: 29 Jan 2025 17:05

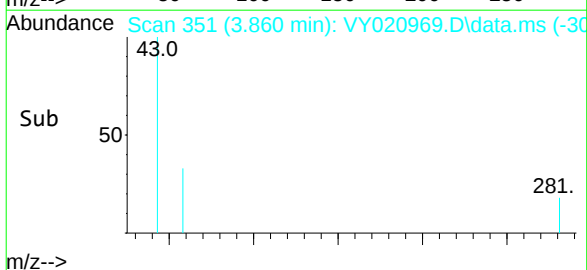
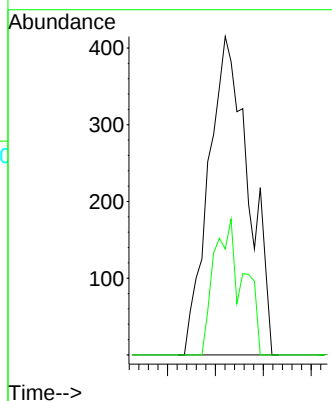
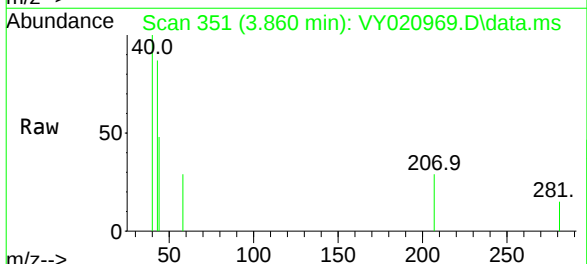
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

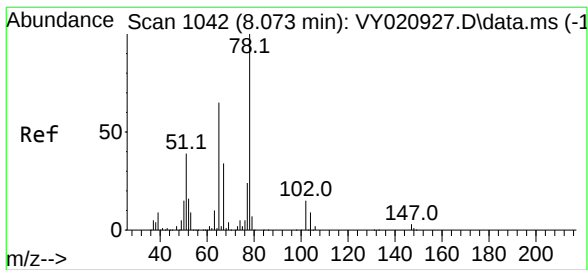
Tgt Ion:168 Resp: 32237
Ion Ratio Lower Upper
168 100
99 50.3 43.0 64.6



#16
Acetone
Concen: 34.258 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.024 min
Lab File: VY020969.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 43 Resp: 1193
Ion Ratio Lower Upper
43 100
58 33.3 25.6 38.4

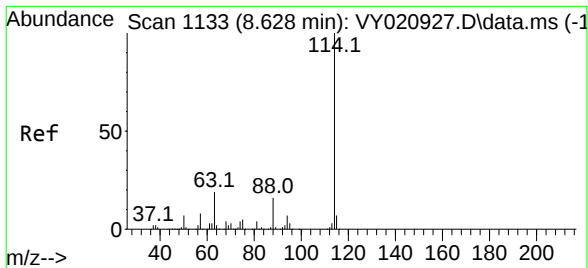
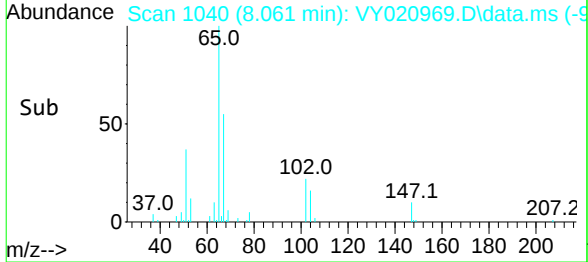
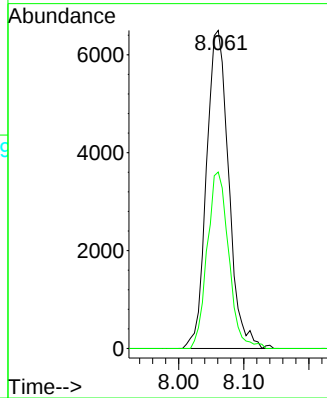
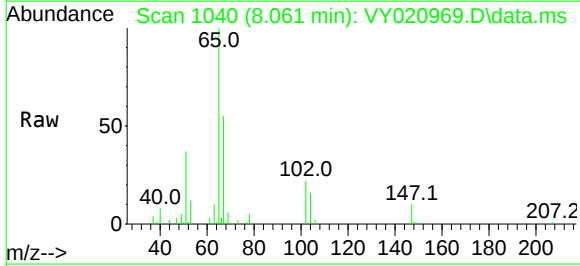




#33
1,2-Dichloroethane-d4
Concen: 60.001 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020969.D
Acq: 29 Jan 2025 17:05

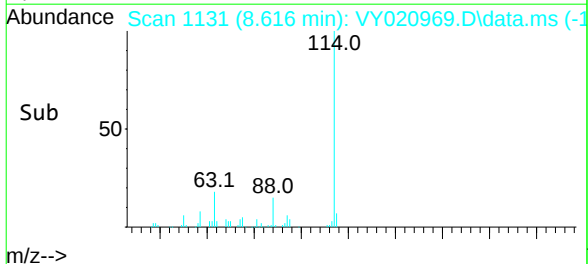
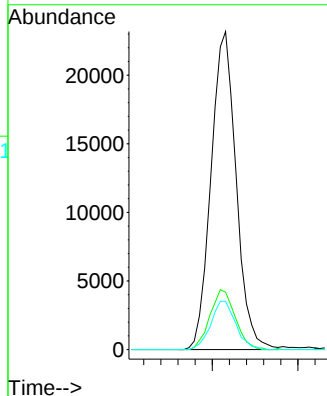
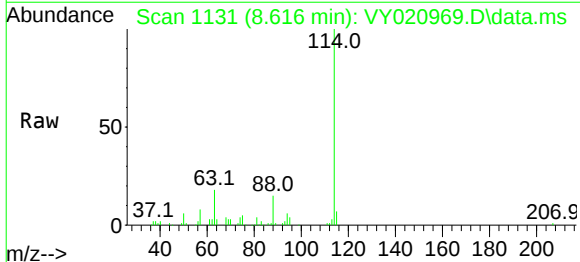
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

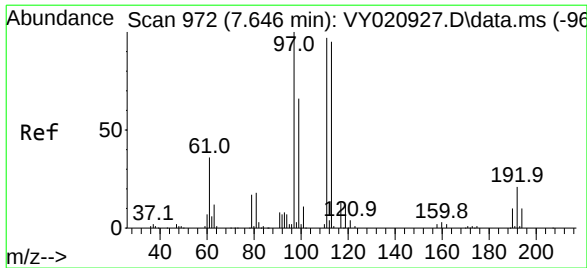
Tgt Ion: 65 Resp: 15422
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.012 min
Lab File: VY020969.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 114 Resp: 47221
Ion Ratio Lower Upper
114 100
63 18.1 0.0 38.4
88 15.2 0.0 31.6

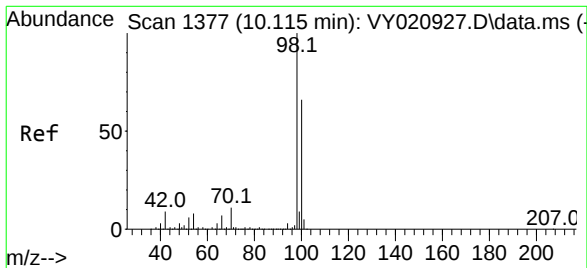
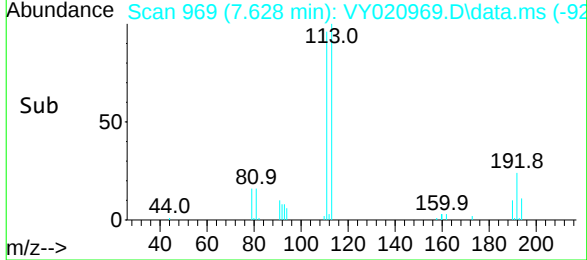
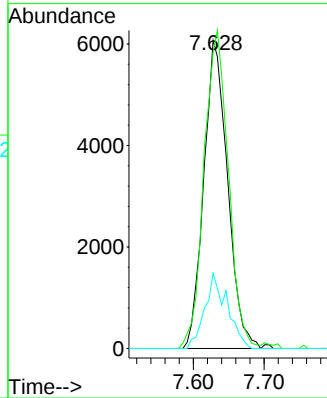
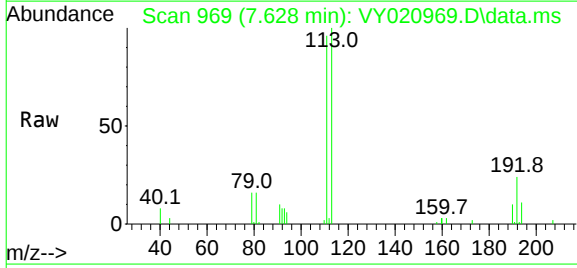




#35
Dibromofluoromethane
Concen: 52.562 ug/l
RT: 7.628 min Scan# 96
Delta R.T. -0.018 min
Lab File: VY020969.D
Acq: 29 Jan 2025 17:05

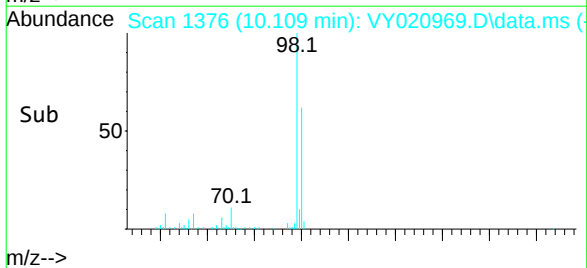
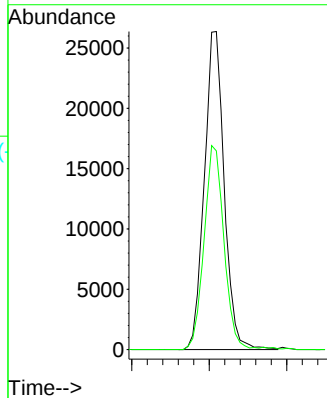
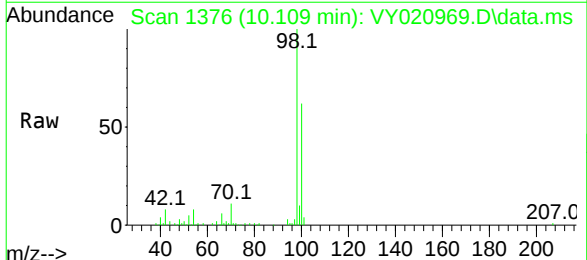
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

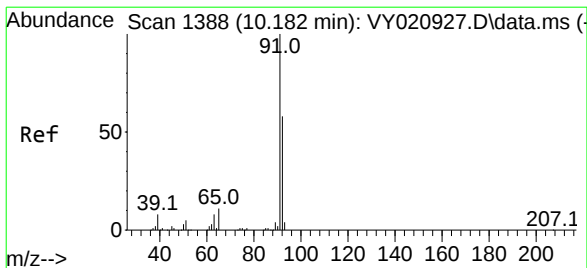
Tgt Ion: 113 Resp: 14249
Ion Ratio Lower Upper
113 100
111 105.1 82.3 123.5
192 22.9 17.4 26.2



#50
Toluene-d8
Concen: 44.671 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020969.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 98 Resp: 46972
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5





#52

Toluene

Concen: 1.661 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.012 min

Lab File: VY020969.D

Acq: 29 Jan 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

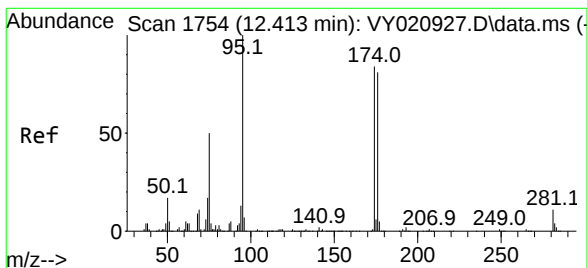
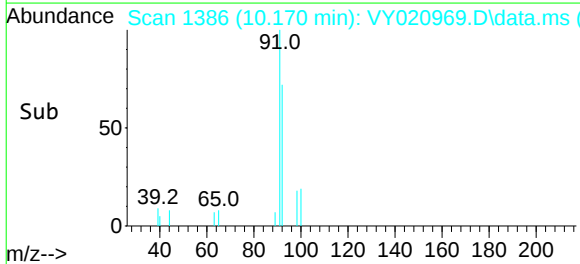
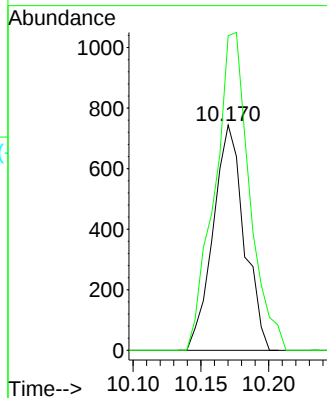
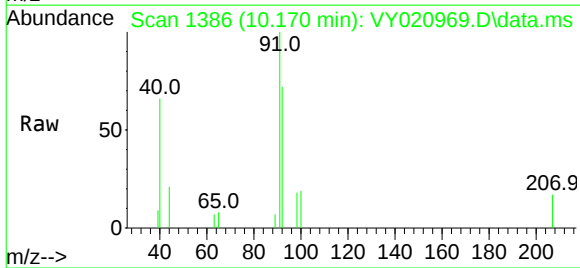
TR-06-01292025

Tgt Ion: 92 Resp: 1186

Ion Ratio Lower Upper

92 100

91 158.4 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 36.606 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY020969.D

Acq: 29 Jan 2025 17:05

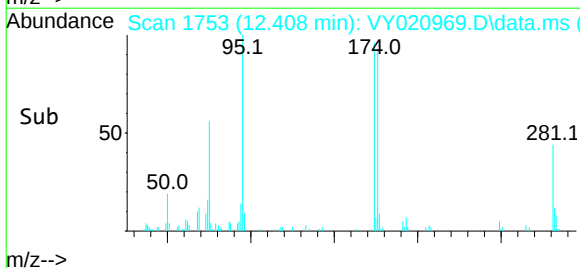
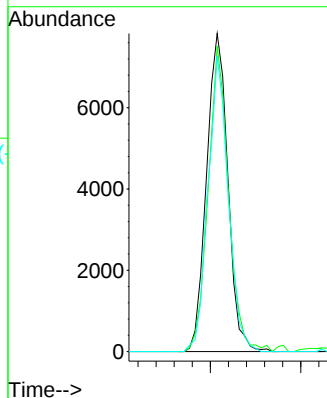
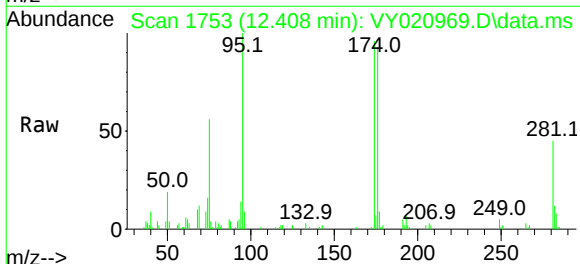
Tgt Ion: 95 Resp: 12810

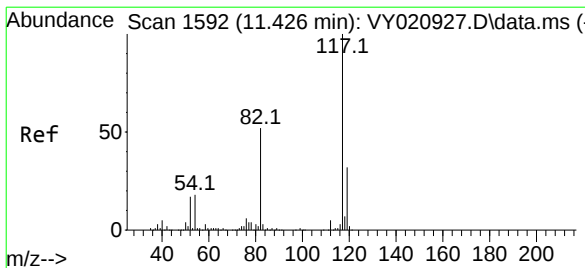
Ion Ratio Lower Upper

95 100

174 91.8 0.0 177.4

176 88.5 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 15

Delta R.T. -0.012 min

Lab File: VY020969.D

Acq: 29 Jan 2025 17:05

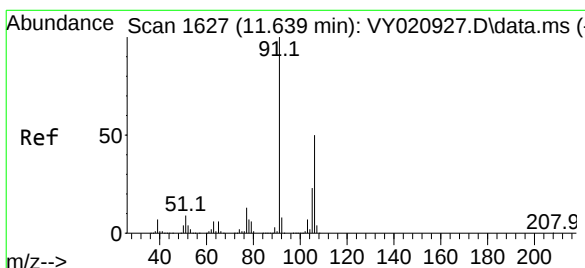
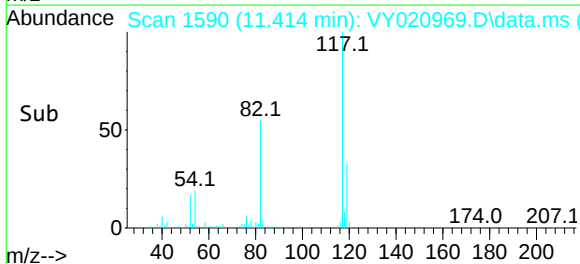
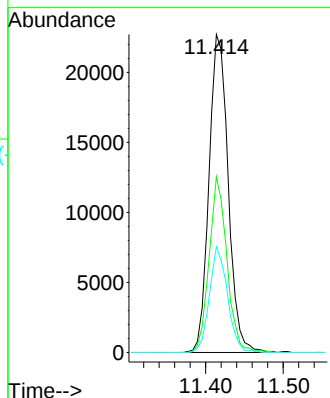
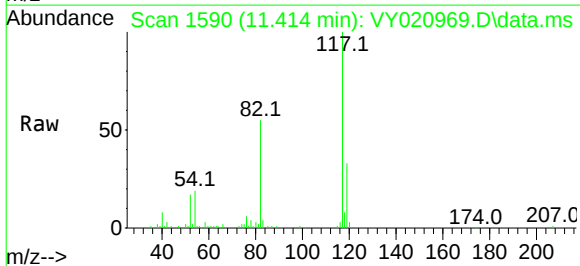
Instrument :

MSVOA_Y

ClientSampleId :

TR-06-01292025

Tgt Ion:	117	Resp:	39049
Ion	Ratio	Lower	Upper
117	100		
82	55.2	41.8	62.8
119	33.2	26.0	39.0



#68

m/p-Xylenes

Concen: 1.247 ug/l

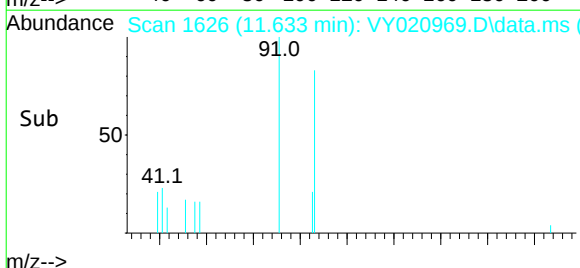
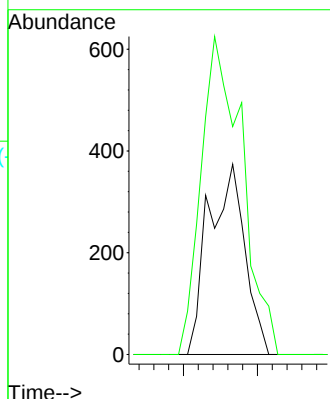
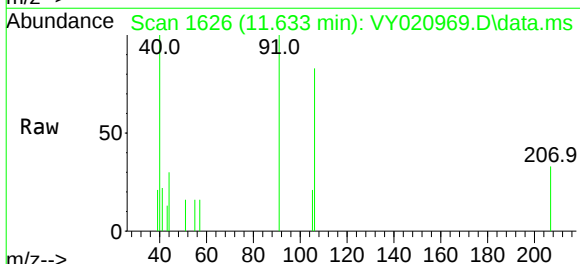
RT: 11.633 min Scan# 1626

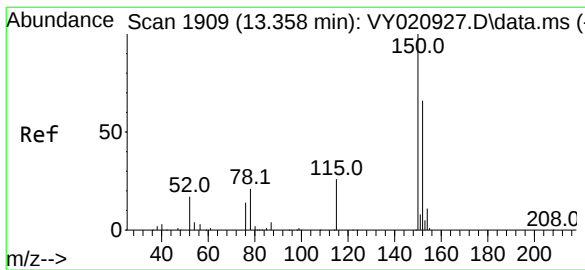
Delta R.T. -0.006 min

Lab File: VY020969.D

Acq: 29 Jan 2025 17:05

Tgt Ion:	106	Resp:	636
Ion	Ratio	Lower	Upper
106	100		
91	189.5	159.5	239.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1909

Delta R.T. -0.006 min

Lab File: VY020969.D

Acq: 29 Jan 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-01292025

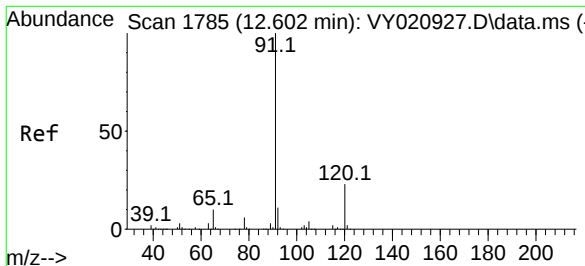
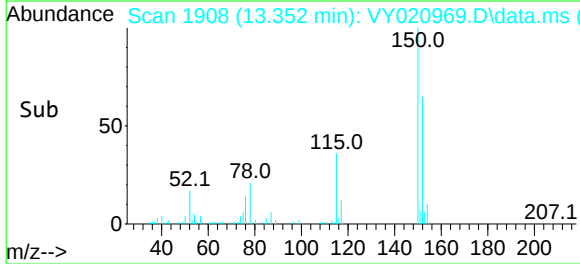
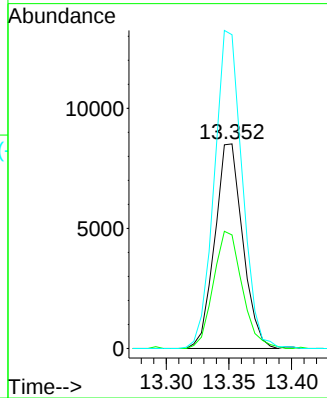
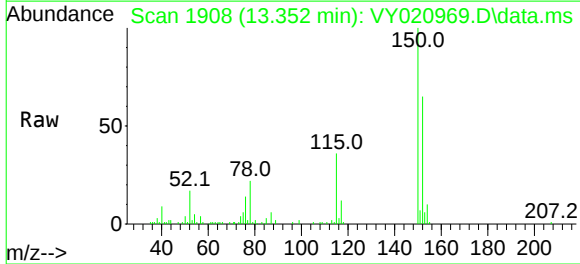
Tgt Ion: 152 Resp: 13186

Ion Ratio Lower Upper

152 100

115 59.3 29.0 87.0

150 156.1 0.0 347.6



#78

n-propylbenzene

Concen: 1.352 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VY020969.D

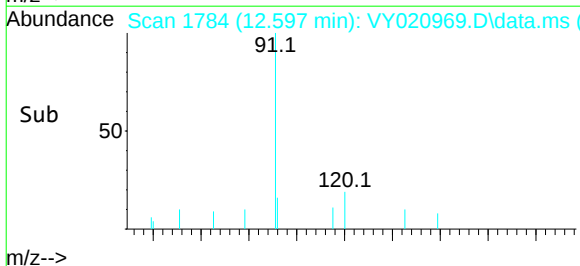
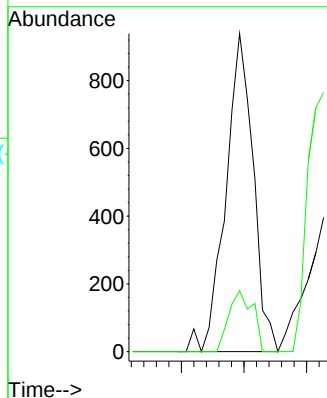
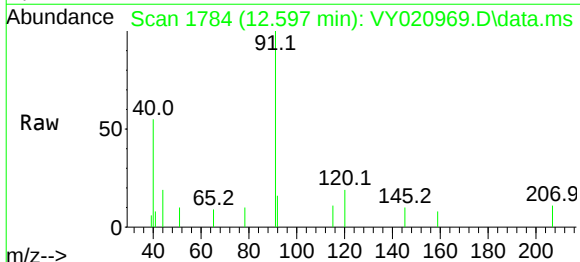
Acq: 29 Jan 2025 17:05

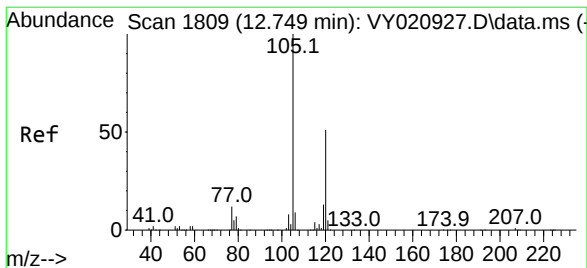
Tgt Ion: 91 Resp: 1430

Ion Ratio Lower Upper

91 100

120 16.7 11.8 35.4





#80

1,3,5-Trimethylbenzene

Concen: 2.472 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.012 min

Lab File: VY020969.D

Acq: 29 Jan 2025 17:05

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ClientSampleId :

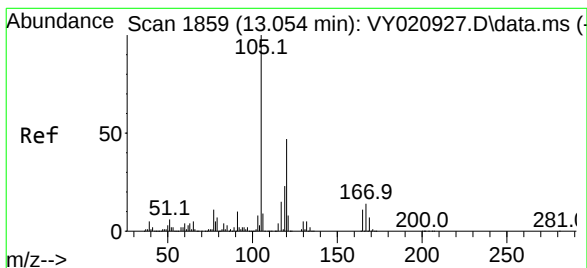
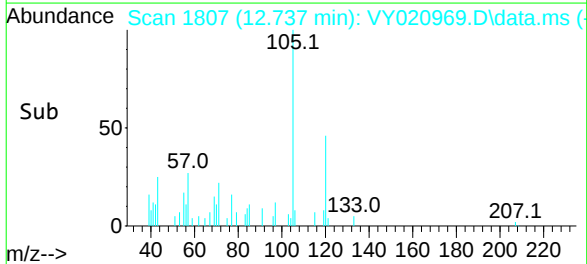
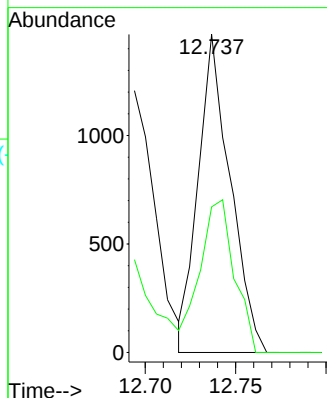
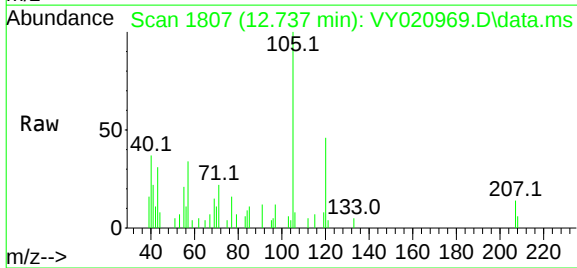
TR-06-01292025

Tgt Ion:105 Resp: 1804

Ion Ratio Lower Upper

105 100

120 51.8 24.9 74.6



#84

1,2,4-Trimethylbenzene

Concen: 10.294 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.006 min

Lab File: VY020969.D

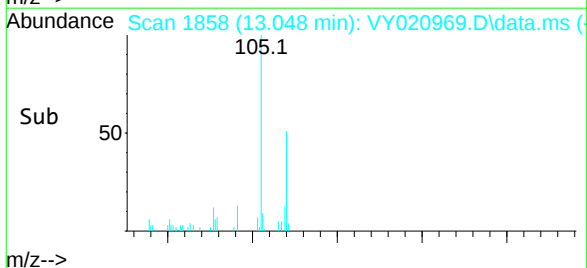
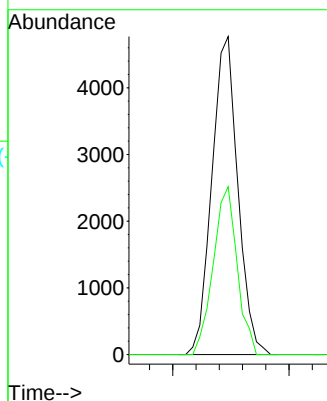
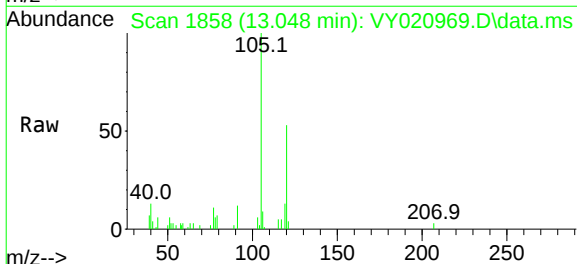
Acq: 29 Jan 2025 17:05

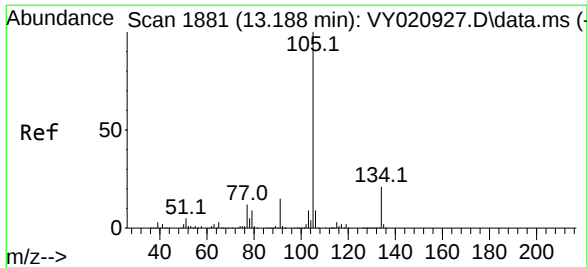
Tgt Ion:105 Resp: 7395

Ion Ratio Lower Upper

105 100

120 48.5 22.9 68.7





#85

sec-Butylbenzene

Concen: 1.412 ug/l

RT: 13.176 min Scan# 1881

Delta R.T. -0.012 min

Lab File: VY020969.D

Acq: 29 Jan 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

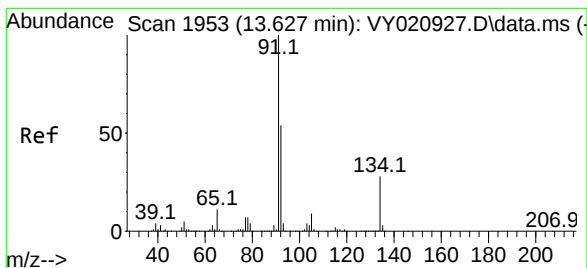
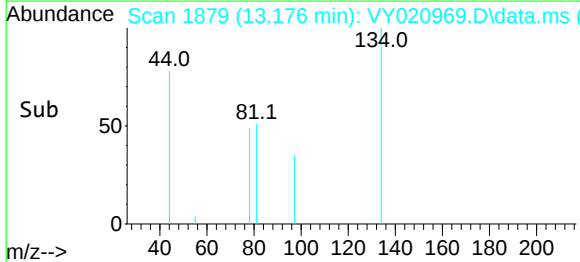
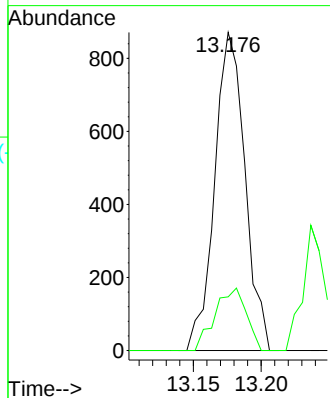
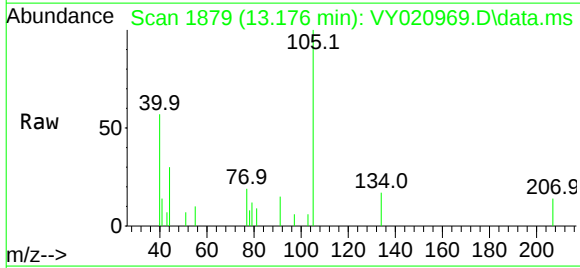
TR-06-01292025

Tgt Ion:105 Resp: 1355

Ion Ratio Lower Upper

105 100

134 20.2 10.4 31.4



#89

n-Butylbenzene

Concen: 1.695 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.006 min

Lab File: VY020969.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 91 Resp: 1212

Ion Ratio Lower Upper

91 100

92 61.6 26.8 80.3

134 0.0 13.8 41.4#

