

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021924.D
 Acq On : 18 Apr 2025 12:36
 Operator : SY/MD
 Sample : Q1829-01
 Misc : 5.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LP5729

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/21/2025
 Supervised By :Semsettin Yesilyurt 04/21/2025

Quant Time: Apr 19 01:11:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	214696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	401319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114566	49.251	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.500%			
35) Dibromofluoromethane	7.634	113	132405	50.861	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.720%			
50) Toluene-d8	10.109	98	501007	50.588	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.180%			
62) 4-Bromofluorobenzene	12.408	95	160108	47.795	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.580%			
Target Compounds						
89) n-Butylbenzene	13.615	91	11051m	1.213	ug/l	Qvalue

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

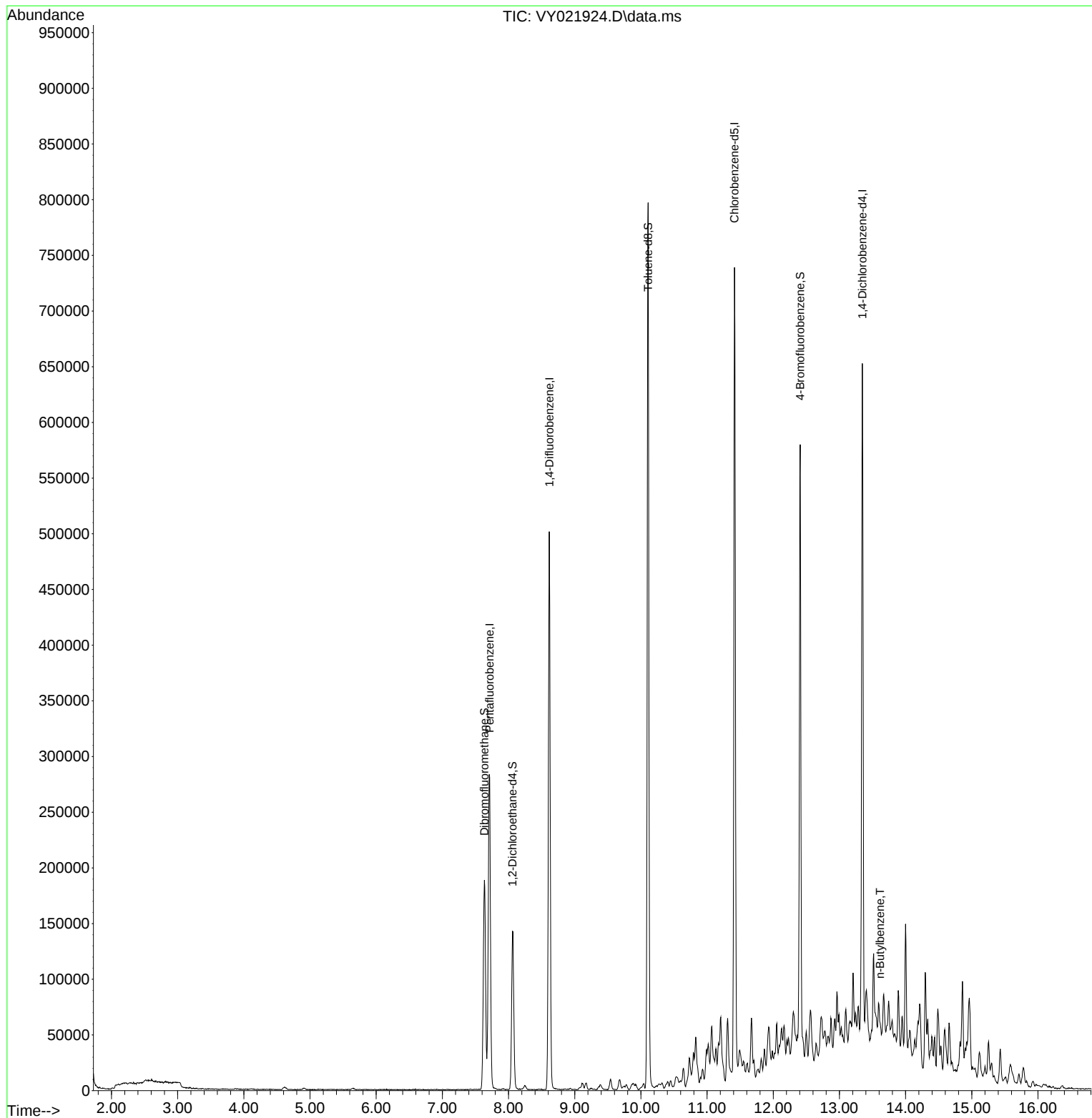
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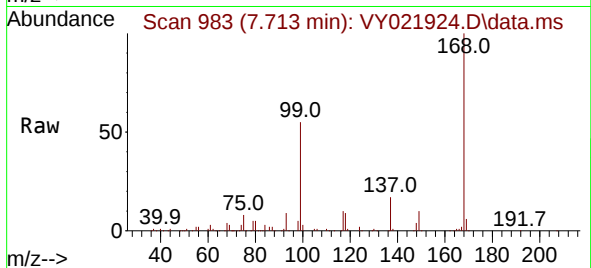
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

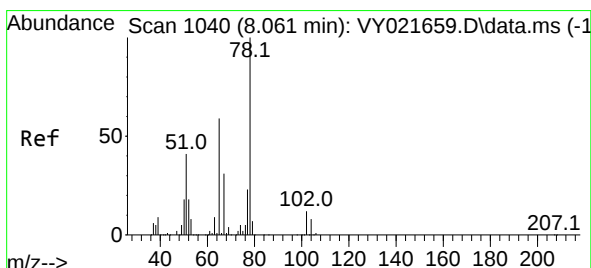
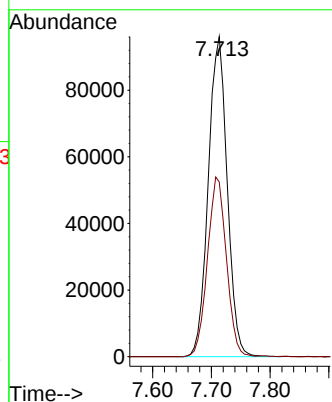
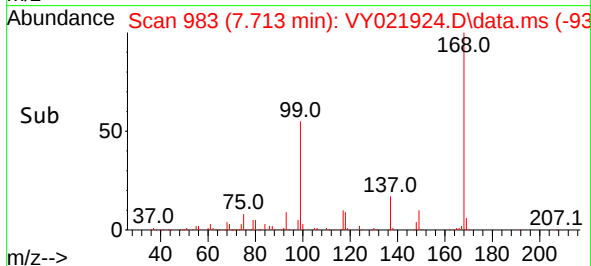
Instrument :
MSVOA_Y
ClientSampleId :
LP5729



Tgt Ion:168 Resp: 214690
Ion Ratio Lower Upper
168 100
99 54.6 46.7 70.1

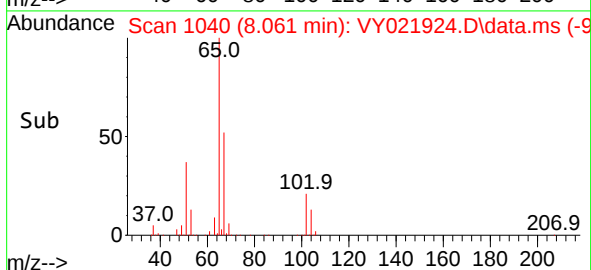
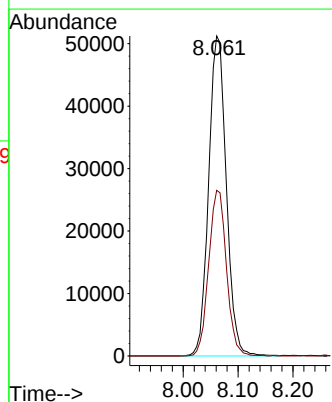
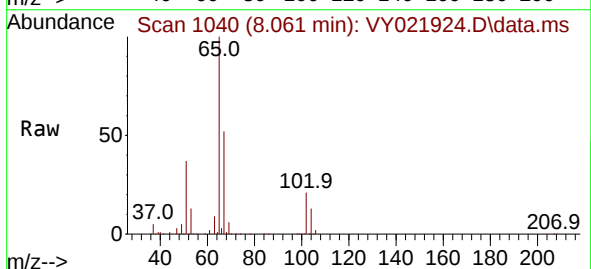
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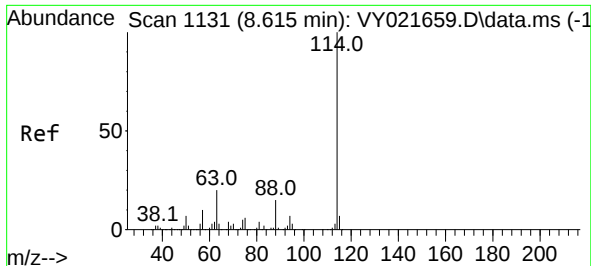
Reviewed By :Mahesh Dadoda 04/21/2025
Supervised By :Semsettin Yesilyurt 04/21/2025



#33
1,2-Dichloroethane-d4
Concen: 49.251 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Tgt Ion: 65 Resp: 114566
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6





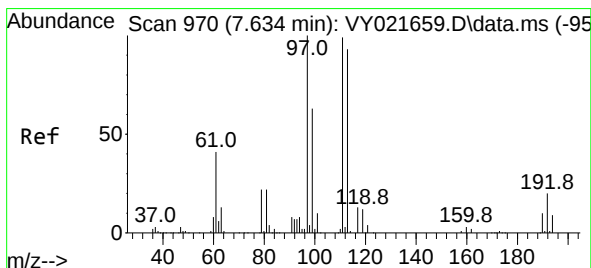
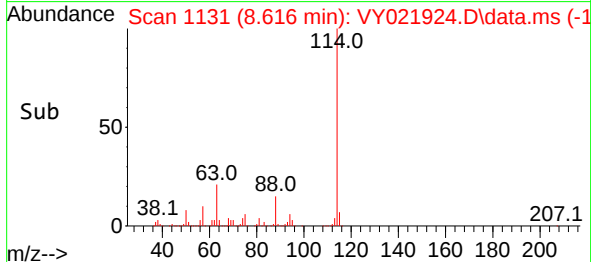
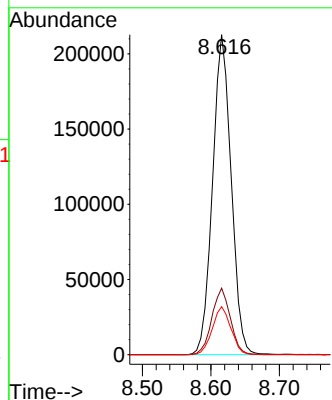
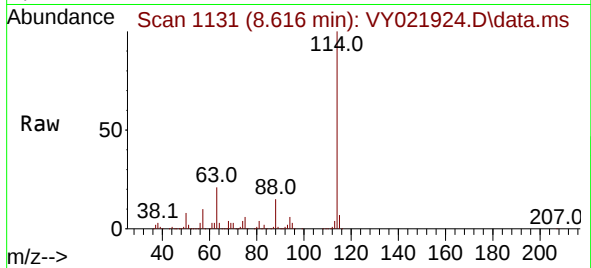
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Instrument :
MSVOA_Y
ClientSampleId :
LP5729

Tgt Ion:114 Resp: 401319
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.2
88 15.0 0.0 29.8

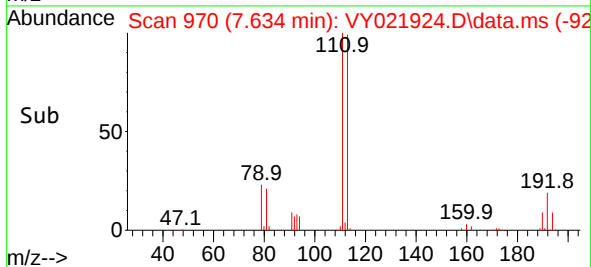
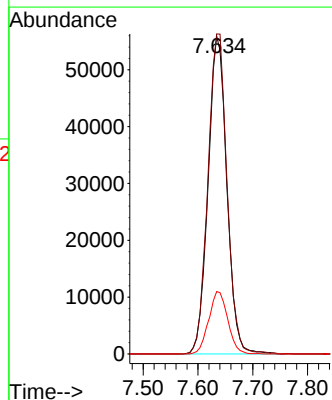
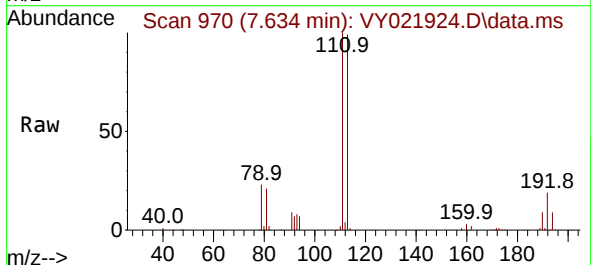
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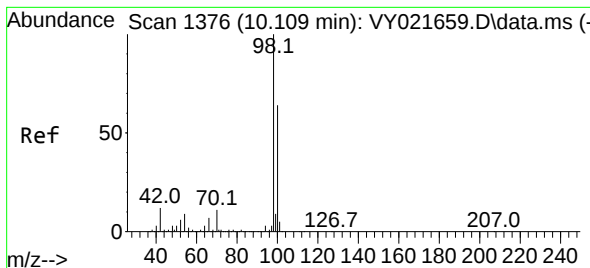
Reviewed By :Mahesh Dadoda 04/21/2025
Supervised By :Semsettin Yesilyurt 04/21/2025



#35
Dibromofluoromethane
Concen: 50.861 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Tgt Ion:113 Resp: 132405
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 20.0 16.2 24.4





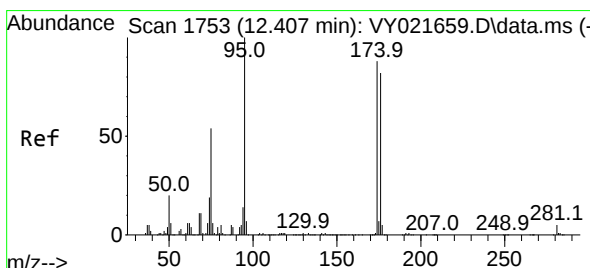
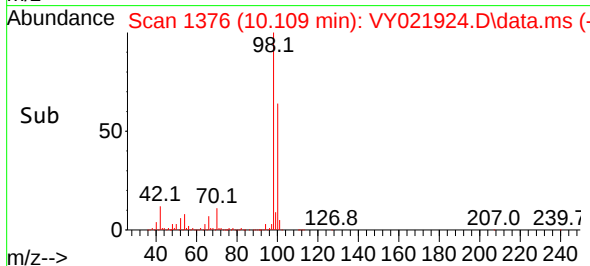
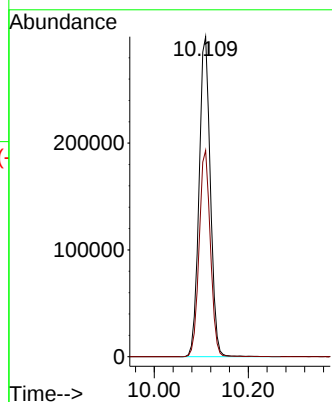
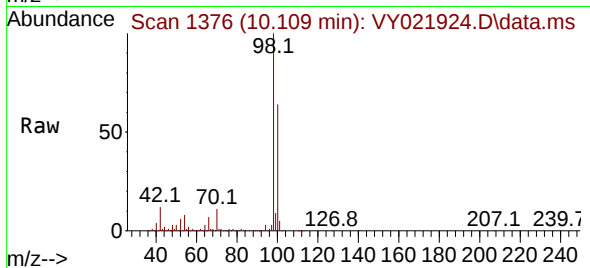
#50
Toluene-d8
Concen: 50.588 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Instrument :
MSVOA_Y
ClientSampleId :
LP5729

Tgt Ion: 98 Resp: 50100
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1

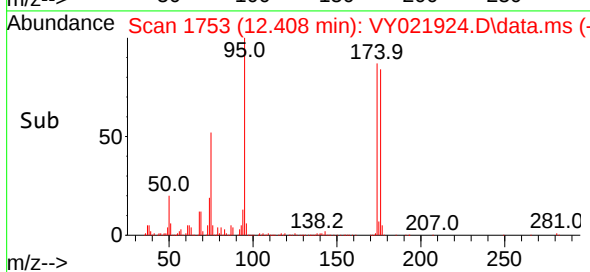
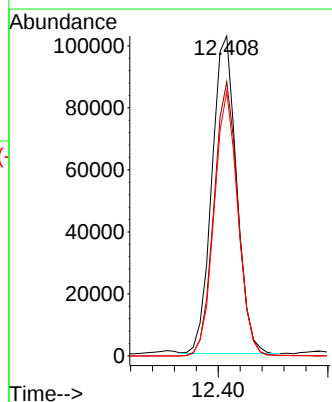
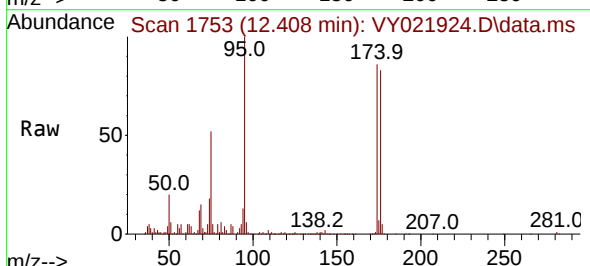
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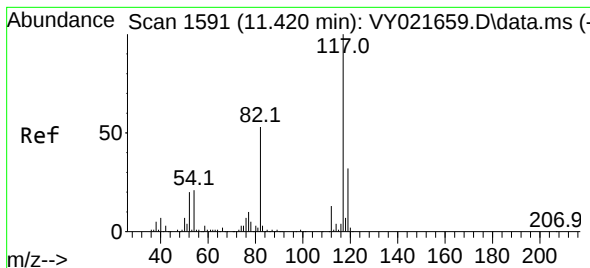
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Supervised By :Semsettin Yesilyurt 04/21/2025



#62
4-Bromofluorobenzene
Concen: 47.795 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021924.D
Acq: 18 Apr 2025 12:36

Tgt Ion: 95 Resp: 160108
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.8
176 80.3 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021924.D

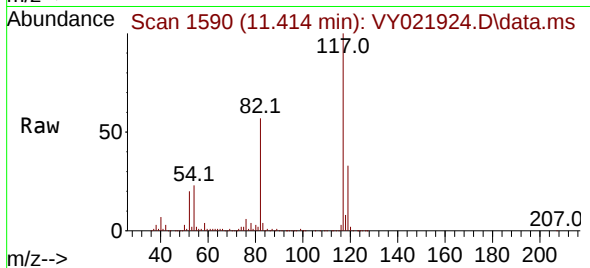
Acq: 18 Apr 2025 12:36

Instrument :

MSVOA_Y

ClientSampleId :

LP5729



Tgt Ion:117 Resp: 375700

Ion Ratio Lower Upper

117 100

82 57.1 42.8 64.2

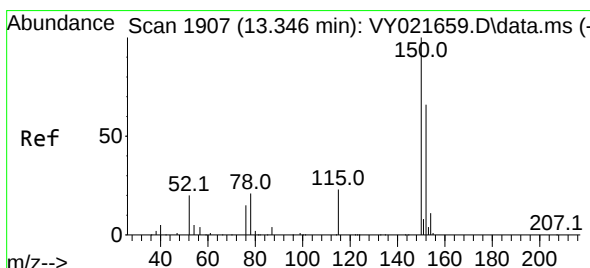
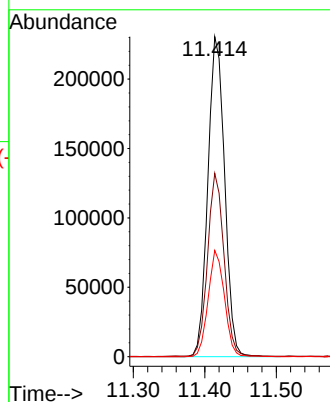
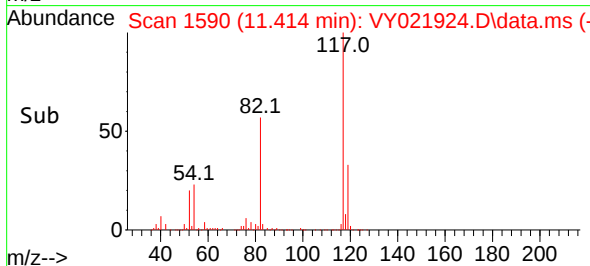
119 33.2 25.7 38.5

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021924.D

Acq: 18 Apr 2025 12:36

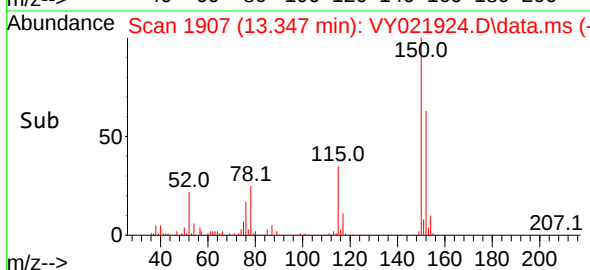
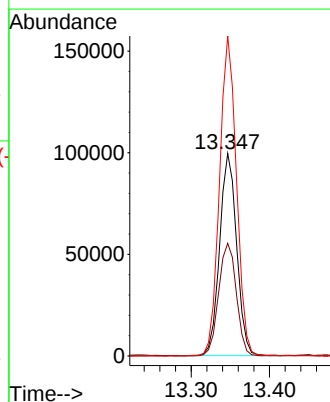
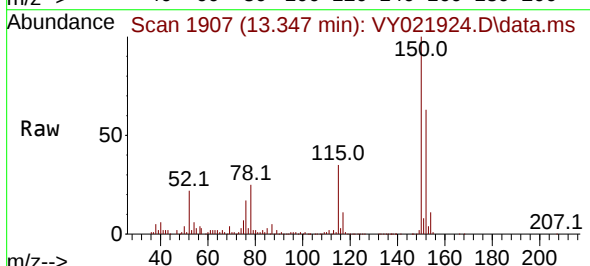
Tgt Ion:152 Resp: 150832

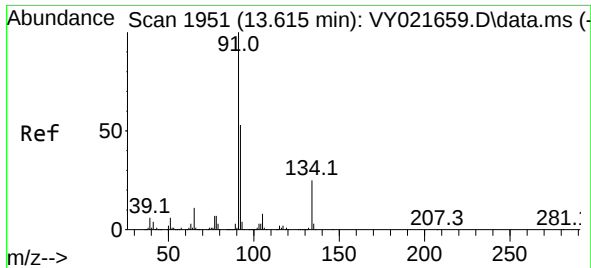
Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

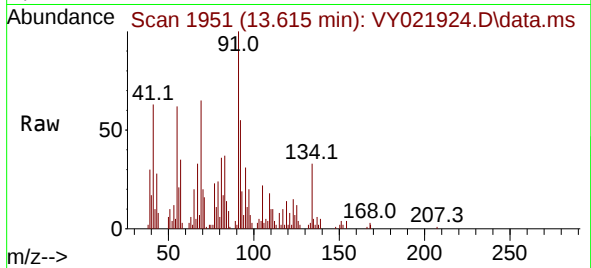
150 157.4 0.0 348.4





#89
n-Butylbenzene
Concen: 1.213 ug/l m
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY021924.D
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Instrument :
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Tgt Ion: 91 Resp: 1105

Ion	Ratio	Lower	Upper
91	100		
92	37.9	26.4	79.2
134	59.6	12.8	38.4

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