

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022484.D
 Acq On : 30 May 2025 17:25
 Operator : SY/MD
 Sample : Q2161-01
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B27-SOIL-SAMPLE

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

Quant Time: May 31 02:31:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	6390	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.622	114	10178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	6206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3129	46.489	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.980%
35) Dibromofluoromethane	7.646	113	768m	12.885	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	25.760%#
50) Toluene-d8	10.109	98	11048	45.468	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.940%
62) 4-Bromofluorobenzene	12.408	95	1610	21.905	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	43.800%

Target Compounds	Qvalue

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

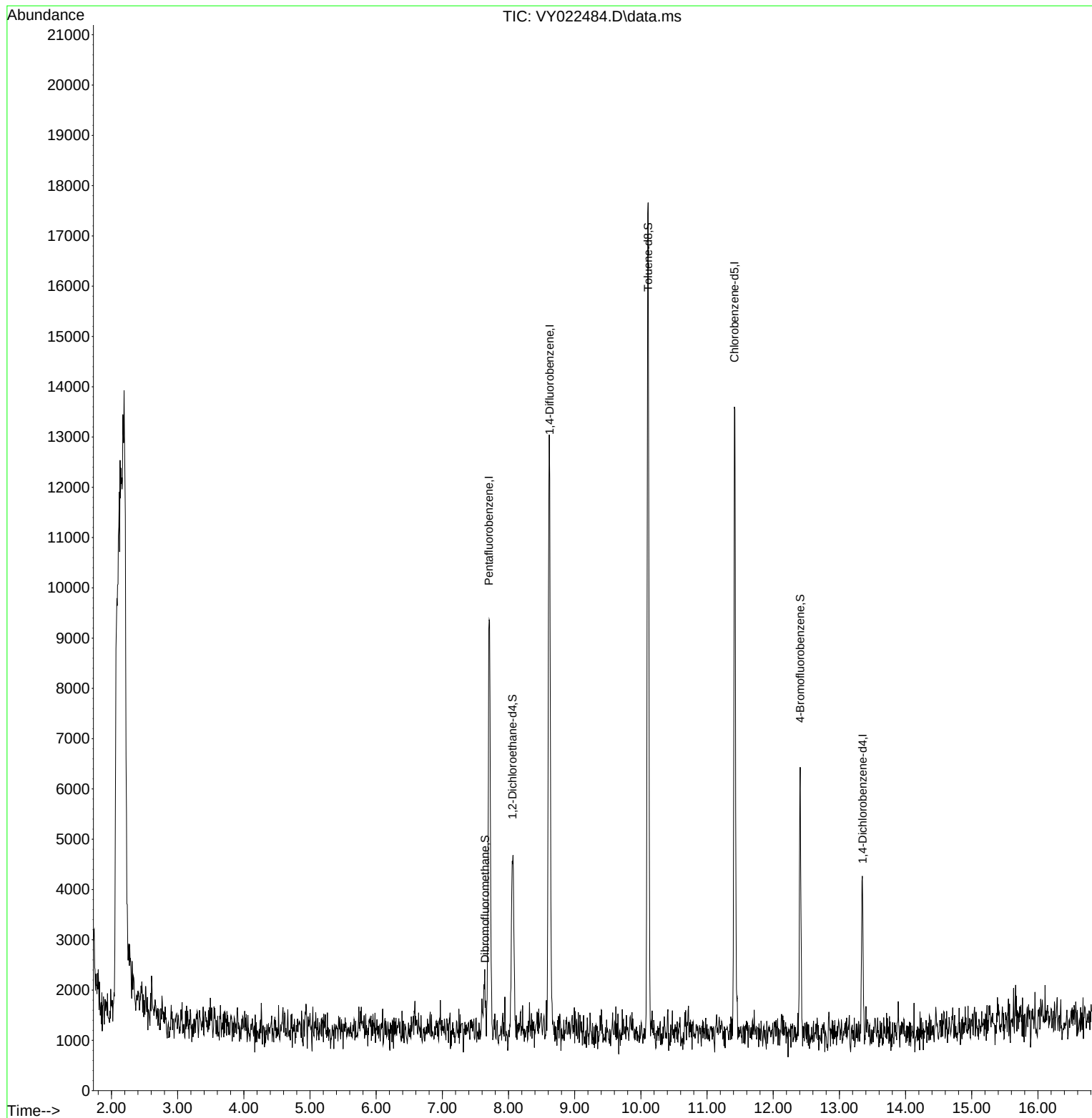
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
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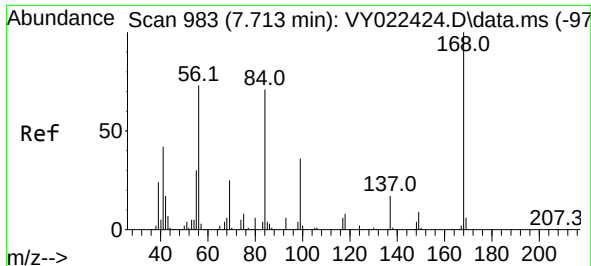
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
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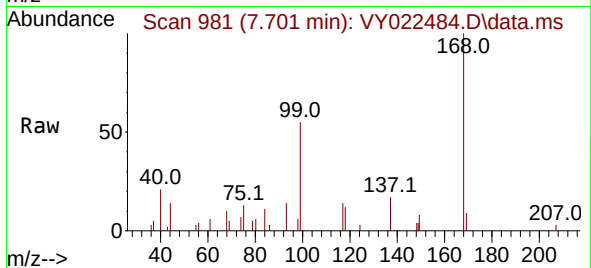
Reviewed By : John Carlone 06/02/2025
Supervised By : Mahesh Dadoda 06/02/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY022484.D
Acq: 30 May 2025 17:25

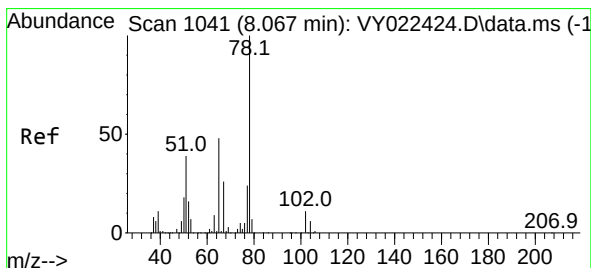
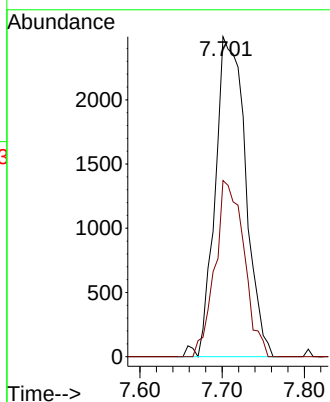
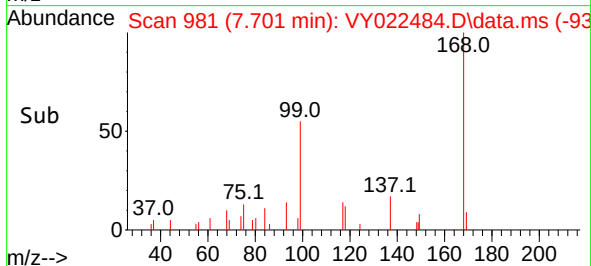
Instrument :
MSVOA_Y
ClientSampleId :
B27-SOIL-SAMPLE



Tgt Ion:168 Resp: 6390
Ion Ratio Lower Upper
168 100
99 55.1 44.7 67.1

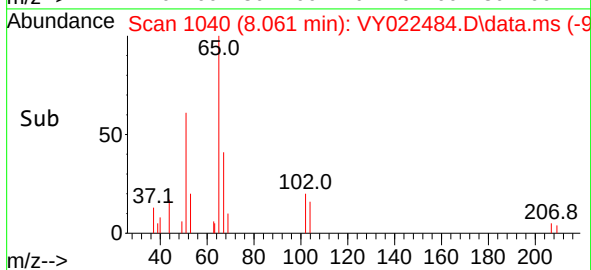
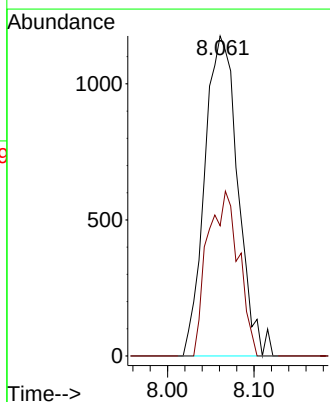
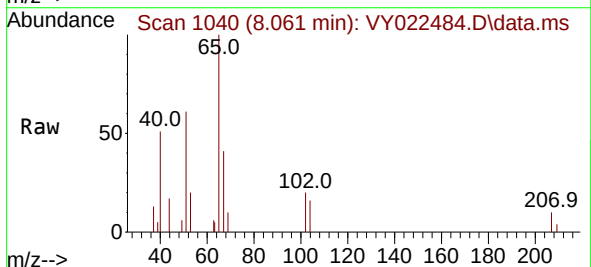
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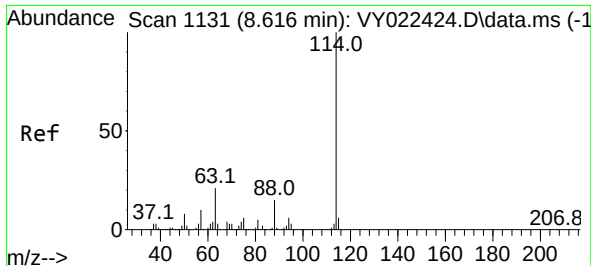
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#33
1,2-Dichloroethane-d4
Concen: 46.489 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022484.D
Acq: 30 May 2025 17:25

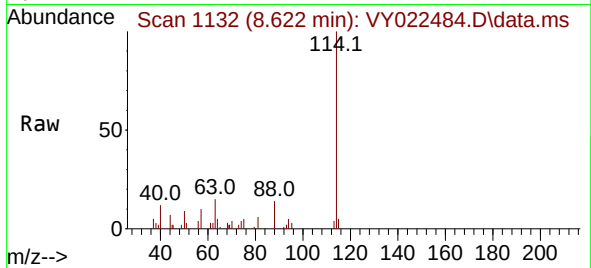
Tgt Ion: 65 Resp: 3129
Ion Ratio Lower Upper
65 100
67 48.3 0.0 104.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022484.D
Acq: 30 May 2025 17:25

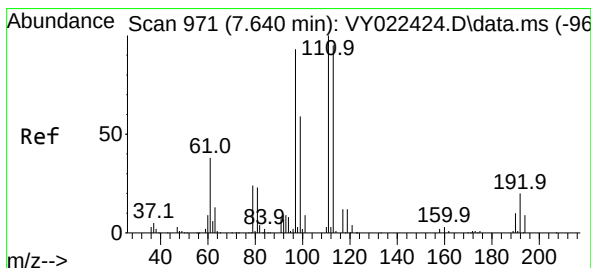
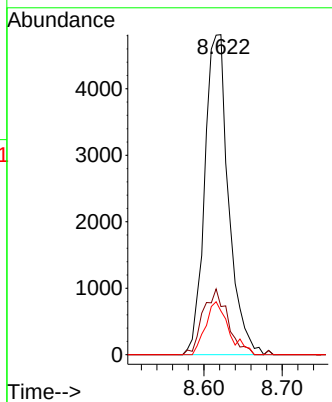
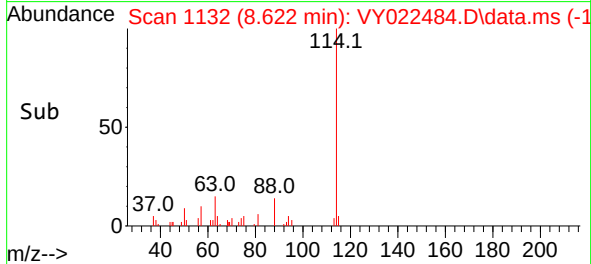
Instrument :
MSVOA_Y
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Tgt Ion:114 Resp: 10178
Ion Ratio Lower Upper
114 100
63 15.1 0.0 42.6
88 13.7 0.0 29.4

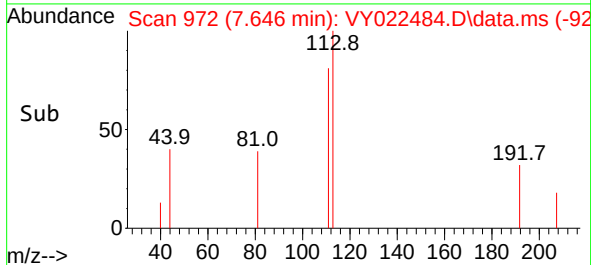
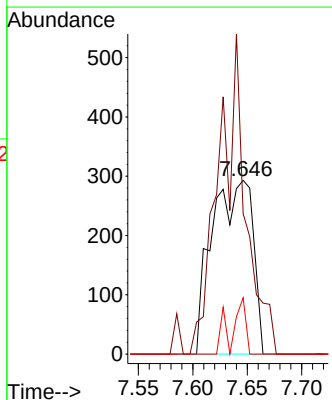
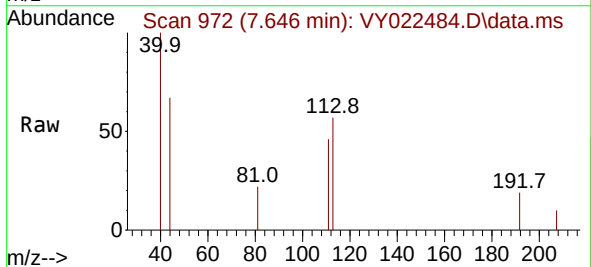
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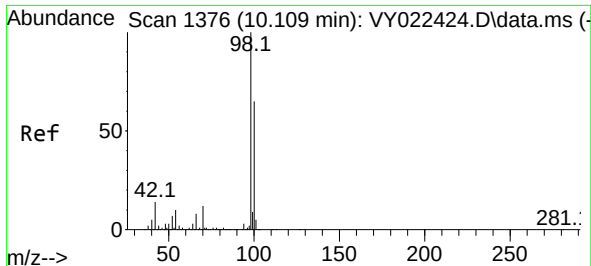
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#35
Dibromofluoromethane
Concen: 12.885 ug/l m
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY022484.D
Acq: 30 May 2025 17:25

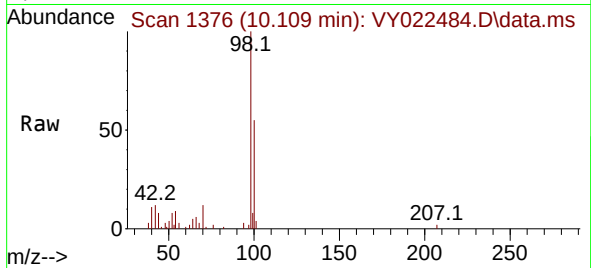
Tgt Ion:113 Resp: 768
Ion Ratio Lower Upper
113 100
111 61.8 82.4 123.6#
192 11.3 15.2 22.8#





#50
Toluene-d8
Concen: 45.468 ug/l
RT: 10.109 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VY022484.D
Acq: 30 May 2025 17:25

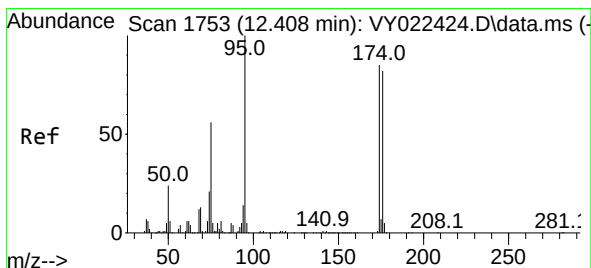
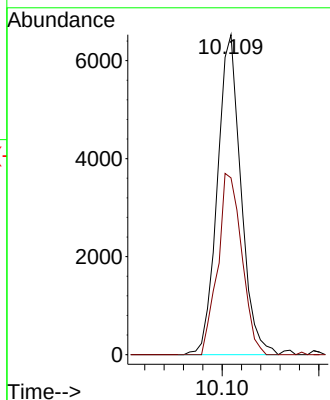
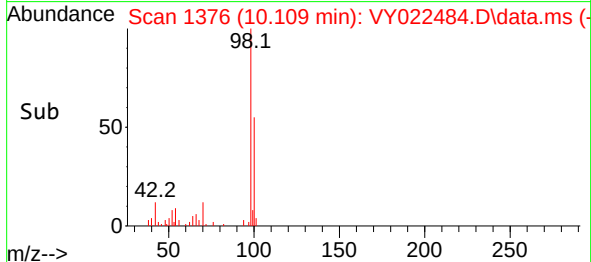
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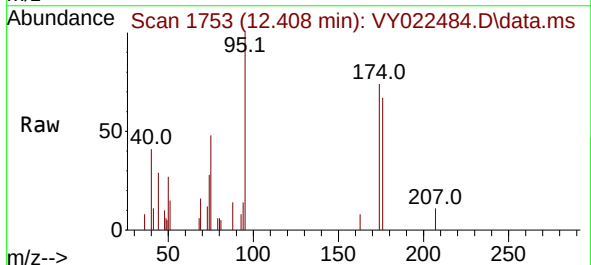
Tgt Ion: 98 Resp: 1104
Ion Ratio Lower Upper
98 100
100 57.6 52.2 78.2

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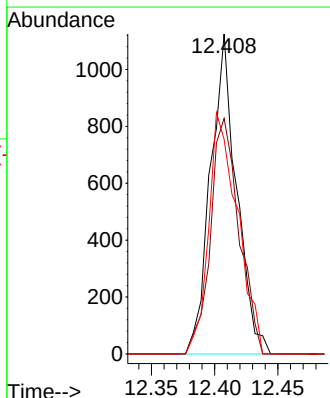
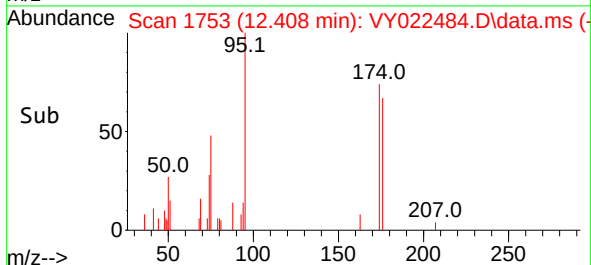
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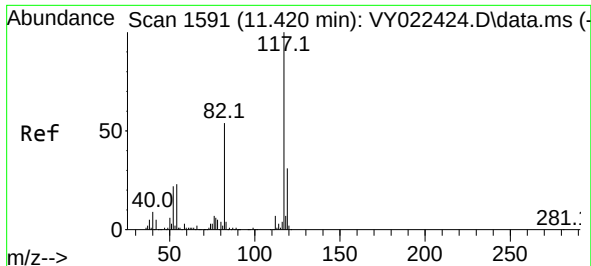


#62
4-Bromofluorobenzene
Concen: 21.905 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022484.D
Acq: 30 May 2025 17:25



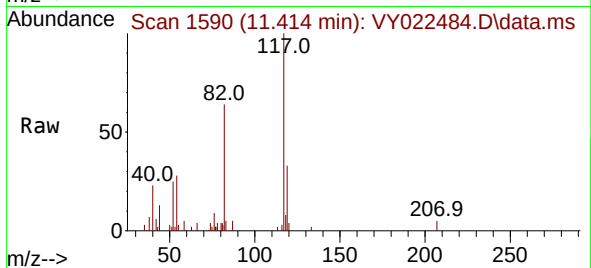
Tgt Ion: 95 Resp: 1610
Ion Ratio Lower Upper
95 100
174 80.8 0.0 171.6
176 83.8 0.0 164.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022484.D
Acq: 30 May 2025 17:25

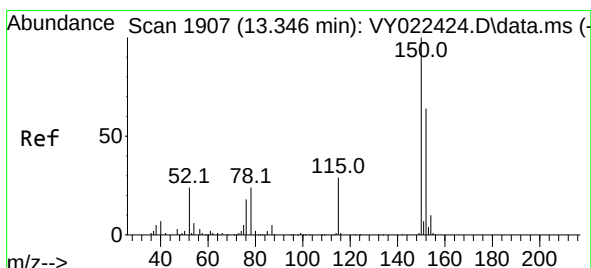
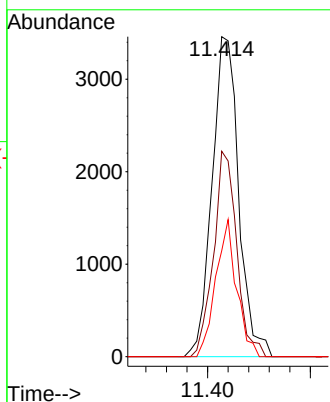
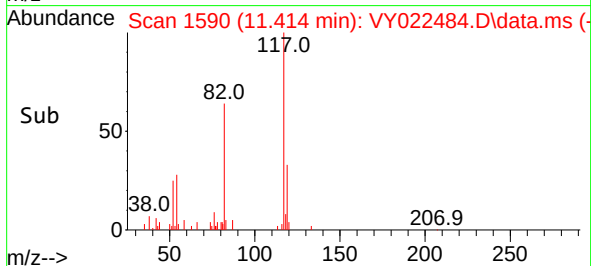
Instrument :
MSVOA_Y
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B27-SOIL-SAMPLE



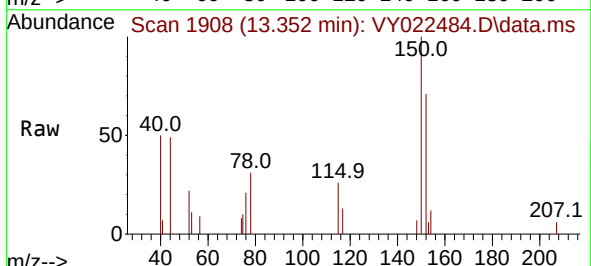
Tgt Ion:117 Resp: 6200
Ion Ratio Lower Upper
117 100
82 64.2 43.3 64.9
119 33.1 24.5 36.7

Manual Integrations
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Supervised By :Mahesh Dadoda 06/02/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022484.D
Acq: 30 May 2025 17:25



Tgt Ion:152 Resp: 883
Ion Ratio Lower Upper
152 100
115 51.2 28.4 85.3
150 149.5 0.0 345.8

