

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022433.D
 Acq On : 27 May 2025 14:51
 Operator : SY/MD
 Sample : Q2113-01
 Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-05222025

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 07:43:47 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	482m	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	1246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	515	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	462	91.000	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	182.000%#
35) Dibromofluoromethane	7.646	113	514m	70.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	140.880%
50) Toluene-d8	10.115	98	801	26.928	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	53.860%#
62) 4-Bromofluorobenzene	12.401	95	372	41.343	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.680%

Target Compounds Qvalue

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

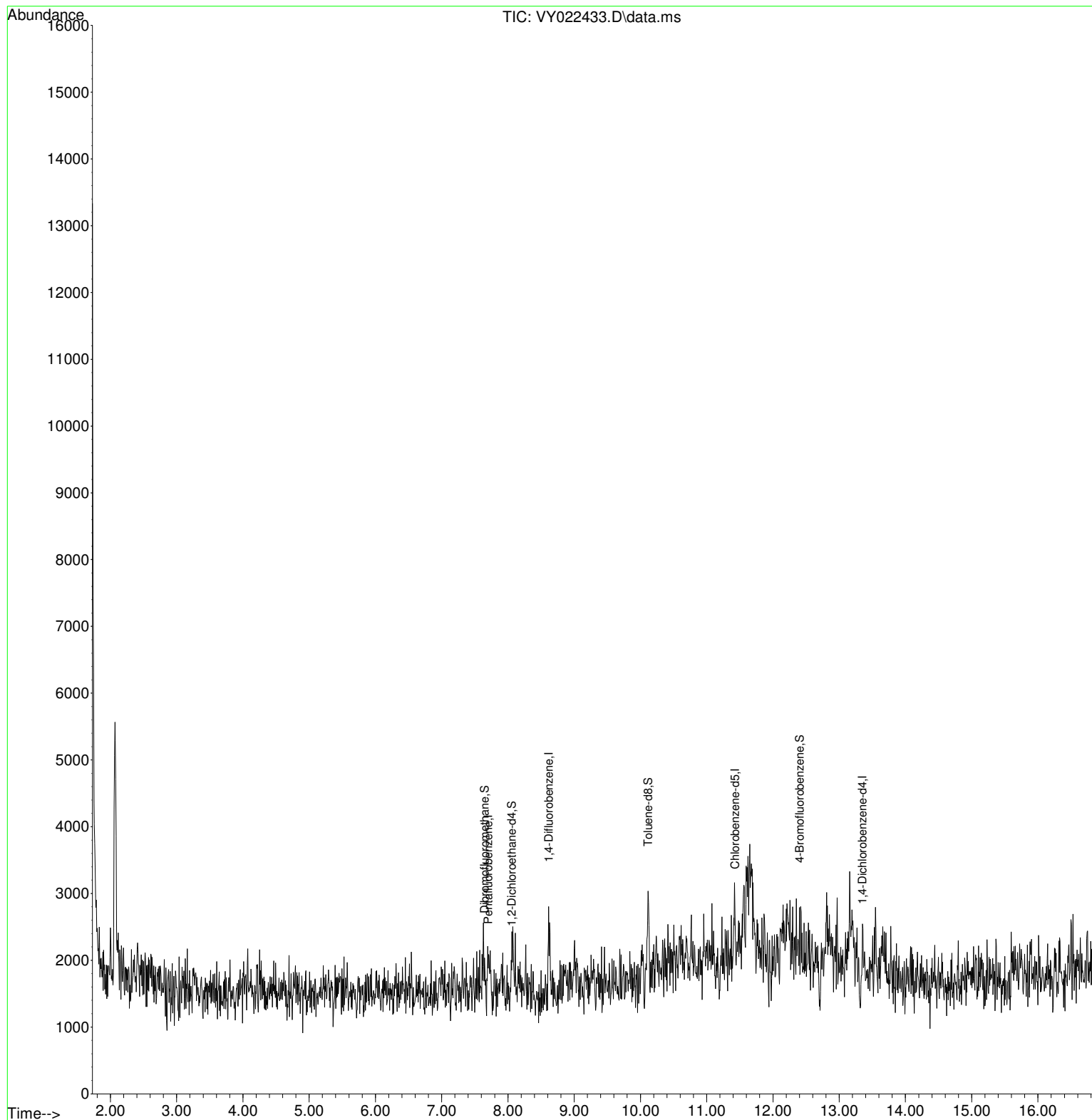
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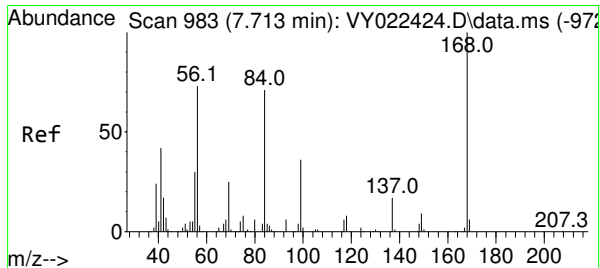
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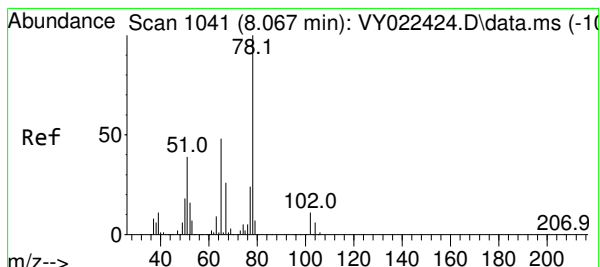
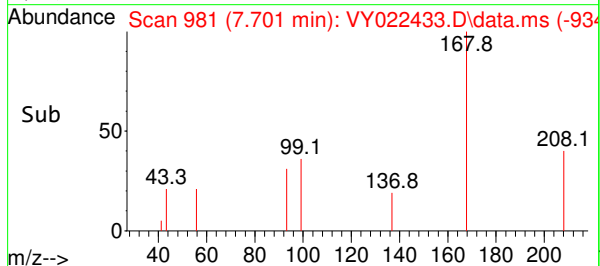
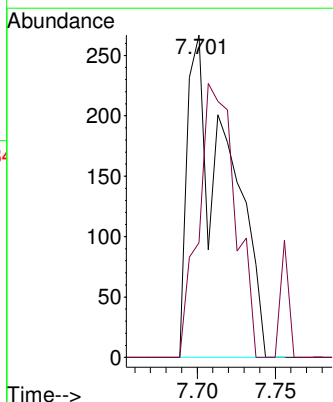
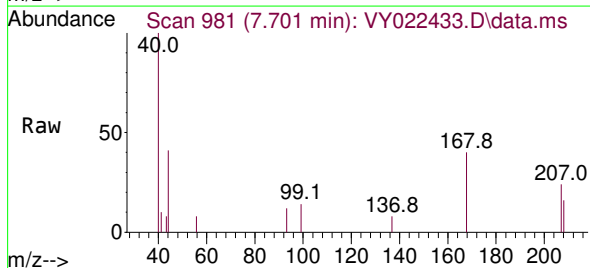
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 983
Delta R.T. -0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

Tgt Ion:168 Resp: 48
Ion Ratio Lower Upper
168 100
99 35.6 44.7 67.1

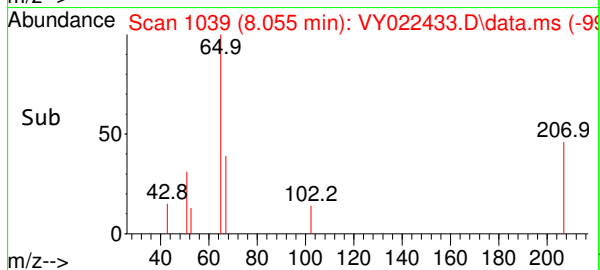
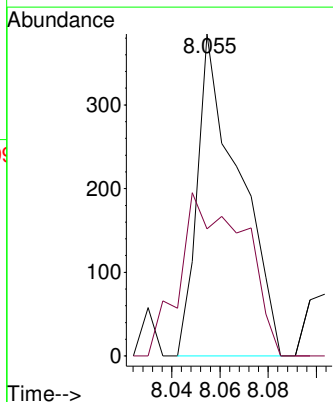
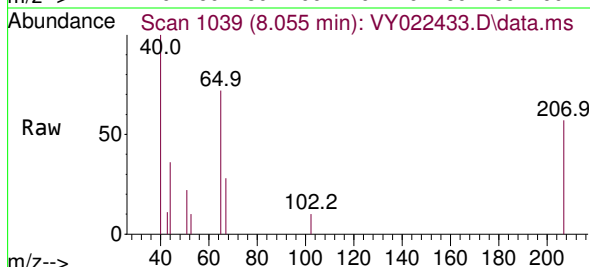
Manual Integrations
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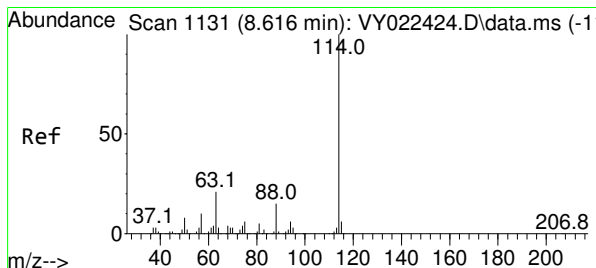
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#33
1,2-Dichloroethane-d4
Concen: 91.000 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

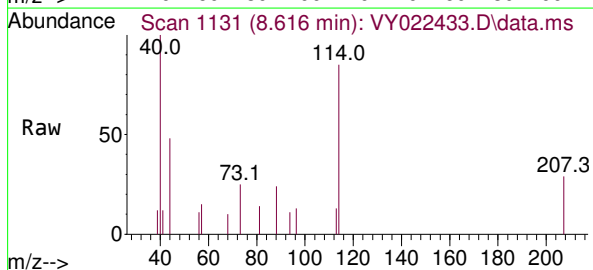
Tgt Ion: 65 Resp: 462
Ion Ratio Lower Upper
65 100
67 78.1 0.0 104.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

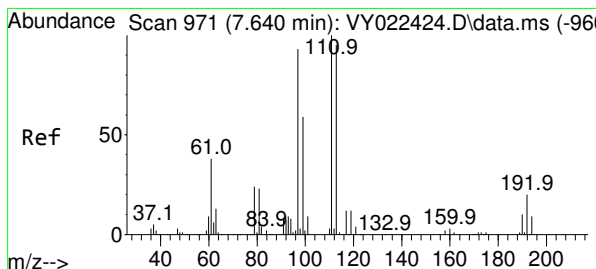
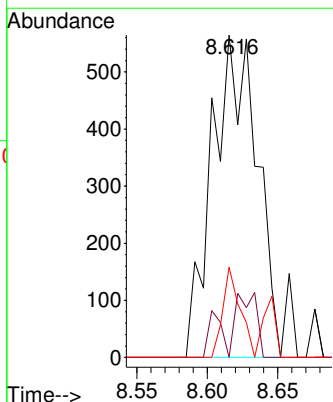
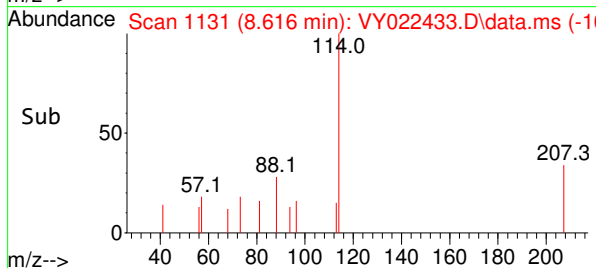
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025



Tgt Ion:114 Resp: 124
Ion Ratio Lower Upper
114 100
63 0.0 0.0 42.6
88 28.0 0.0 29.4

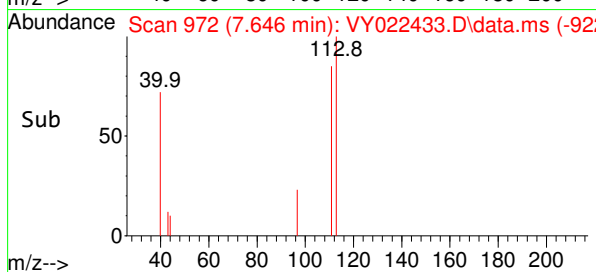
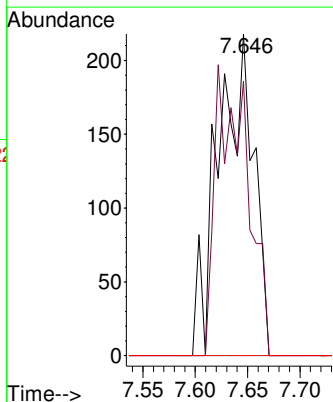
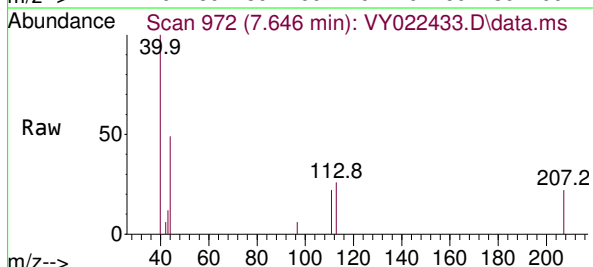
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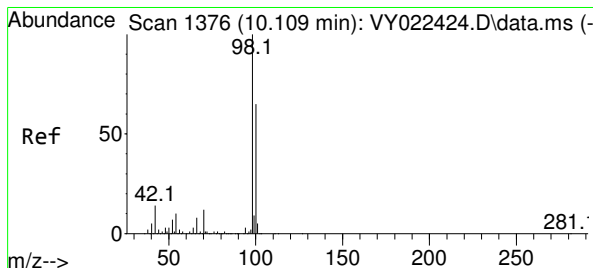
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#35
Dibromofluoromethane
Concen: 70.440 ug/l m
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion:113 Resp: 514
Ion Ratio Lower Upper
113 100
111 29.2 82.4 123.6#
192 0.0 15.2 22.8#





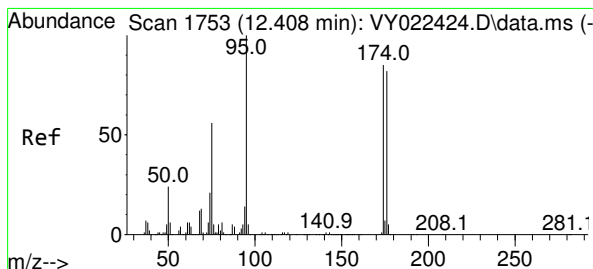
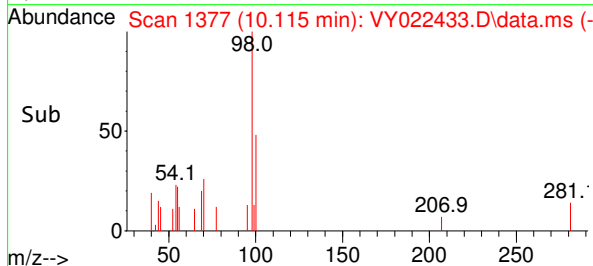
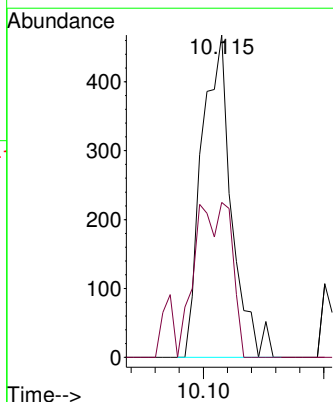
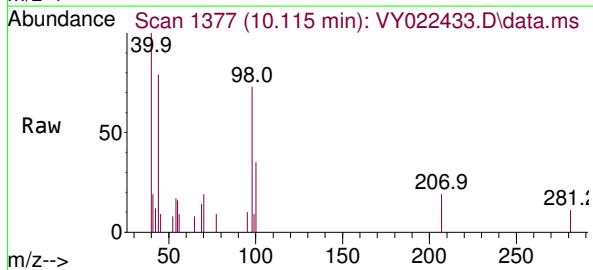
#50
Toluene-d8
Concen: 26.928 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

Tgt Ion: 98 Resp: 86
Ion Ratio Lower Upper
98 100
100 35.6 52.2 78.2

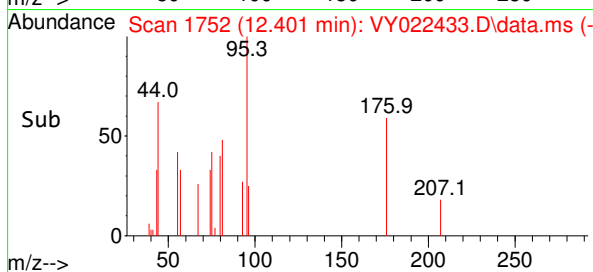
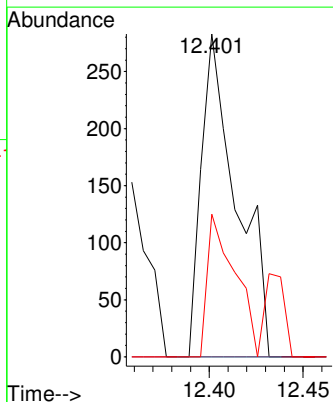
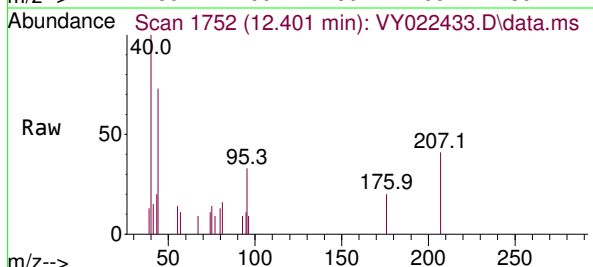
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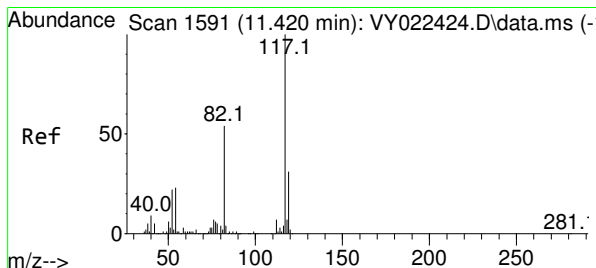
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#62
4-Bromofluorobenzene
Concen: 41.343 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 95 Resp: 372
Ion Ratio Lower Upper
95 100
174 0.0 0.0 171.6
176 34.4 0.0 164.6





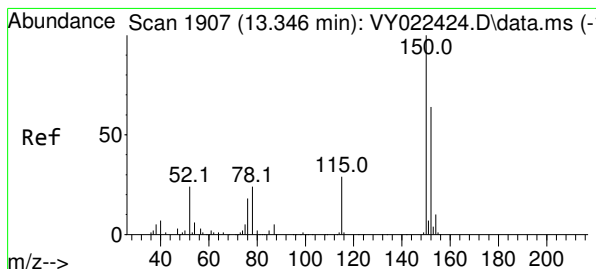
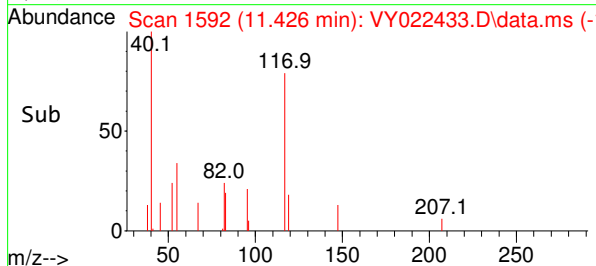
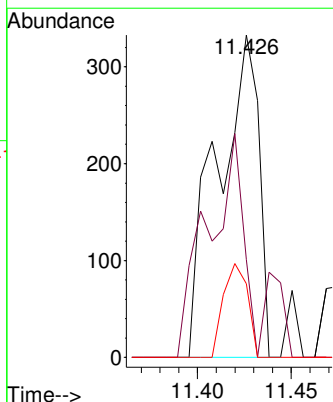
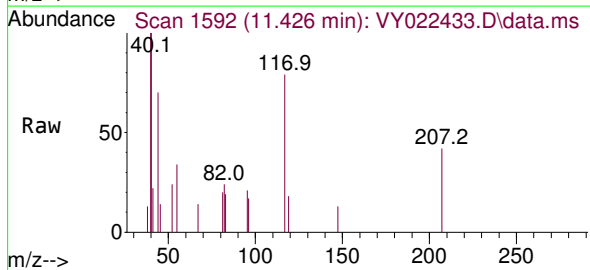
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

Tgt Ion	Ratio	Lower	Upper
117	100		
82	30.3	43.3	64.9
119	22.8	24.5	36.7

Manual Integrations
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Supervised By :Mahesh Dadoda 05/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	40.4	28.4	85.3
150	256.7	0.0	345.8

