

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023959.D
 Acq On : 11 Dec 2025 16:52
 Operator : SY/MD
 Sample : Q3834-30
 Misc : 9.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B127(8-10)120925

Quant Time: Dec 12 03:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/12/2025
 Supervised By :Mahesh Dadoda 12/12/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	190433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	194490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	81268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	68444	40.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.300%
35) Dibromofluoromethane	7.634	113	75914	44.364	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.720%
50) Toluene-d8	10.109	98	323048	50.707	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.420%
62) 4-Bromofluorobenzene	12.402	95	89494	42.064	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.120%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.458	74	9706	11.195	ug/l	92
22) Diisopropyl ether	6.019	45	23297	4.627	ug/l #	94
39) Methylcyclohexane	9.110	83	44055m	14.155	ug/l	
73) Isopropylbenzene	12.255	105	107864	18.161	ug/l	99
85) sec-Butylbenzene	13.176	105	70076	10.973	ug/l #	68

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

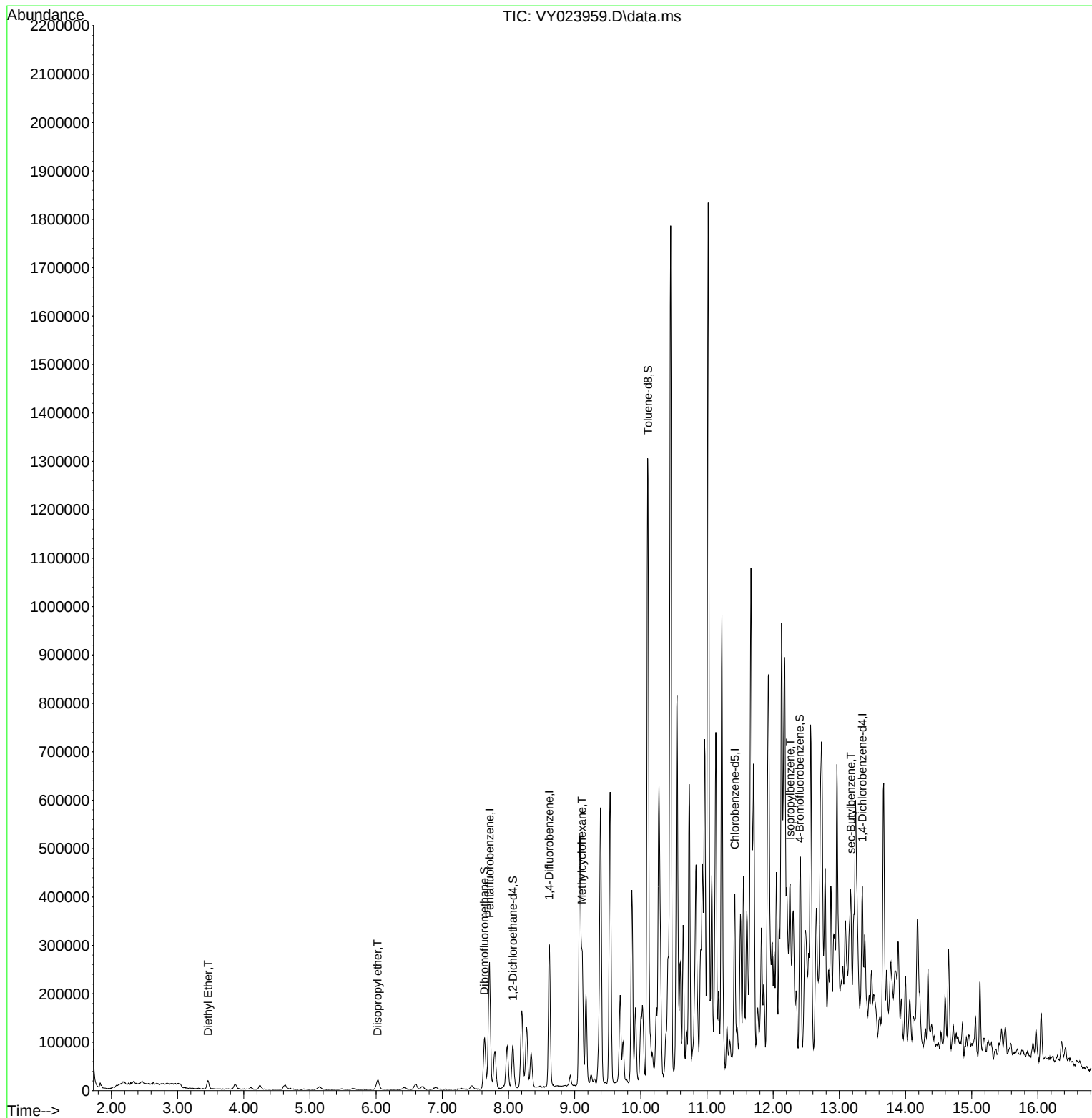
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023959.D
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Operator : SY/MD
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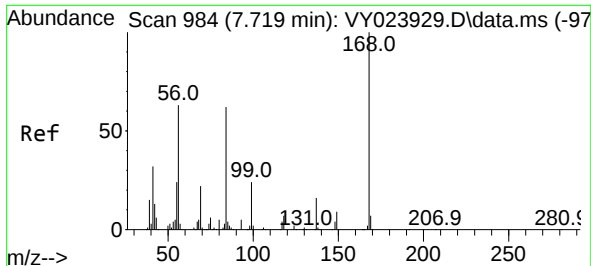
Instrument :
MSVOA_Y
ClientSampleId :
B127(8-10)120925

Quant Time: Dec 12 03:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
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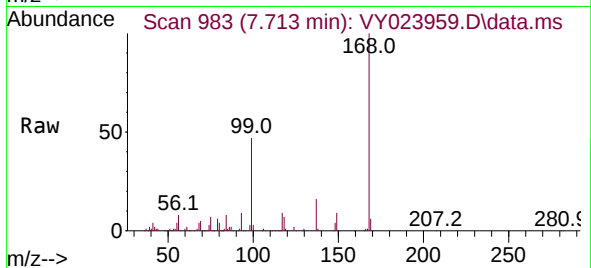
Reviewed By :Semsettin Yesilyurt 12/12/2025
Supervised By :Mahesh Dadoda 12/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023959.D
Acq: 11 Dec 2025 16:52

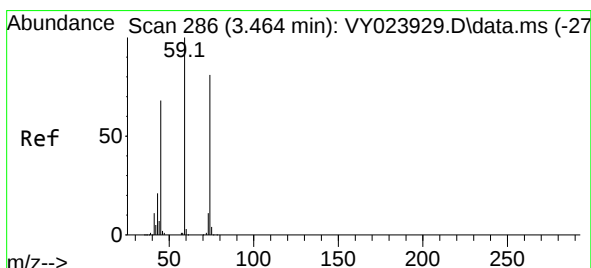
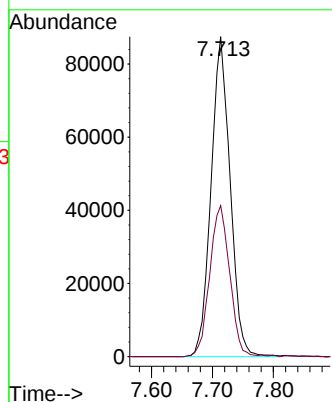
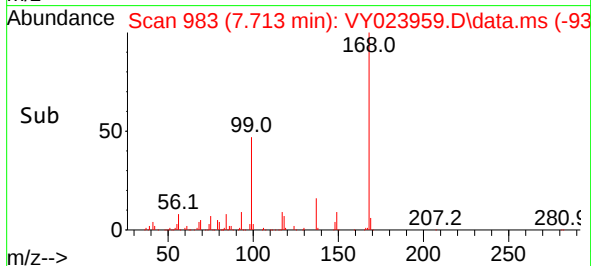
Instrument :
MSVOA_Y
ClientSampleId :
B127(8-10)120925



Tgt Ion:168 Resp: 190433
Ion Ratio Lower Upper
168 100
99 47.2 38.9 58.3

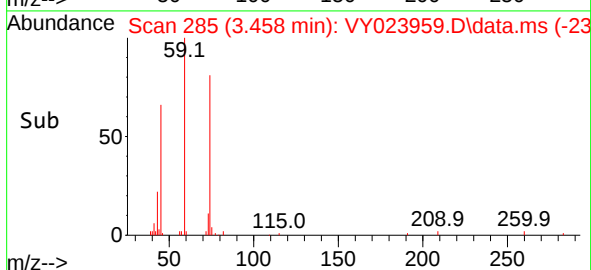
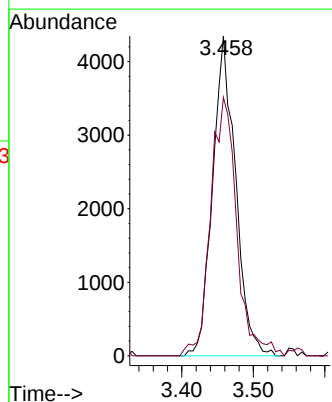
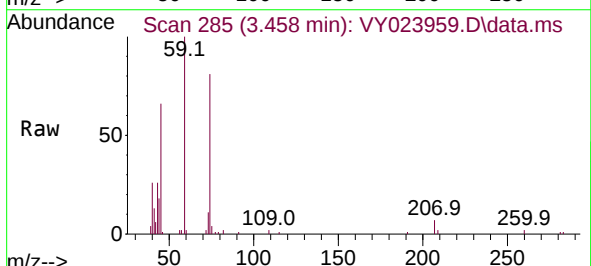
Manual Integrations
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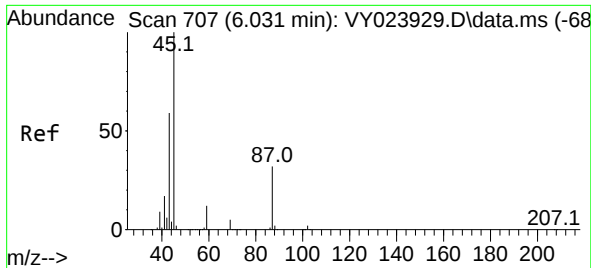
Reviewed By :Semsettin Yesilyurt 12/12/2025
Supervised By :Mahesh Dadoda 12/12/2025



#8
Diethyl Ether
Concen: 11.195 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY023959.D
Acq: 11 Dec 2025 16:52

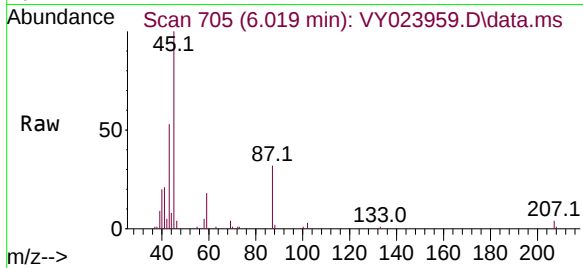
Tgt Ion: 74 Resp: 9706
Ion Ratio Lower Upper
74 100
45 91.8 42.0 126.1





#22
Diisopropyl ether
Concen: 4.627 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.012 min
Lab File: VY023959.D
Acq: 11 Dec 2025 16:52

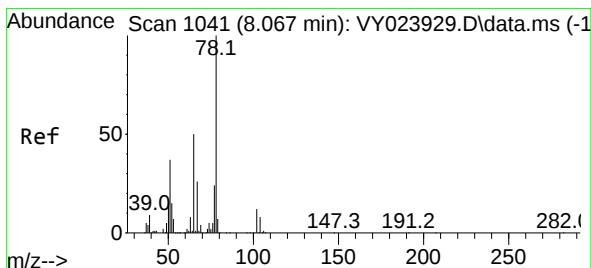
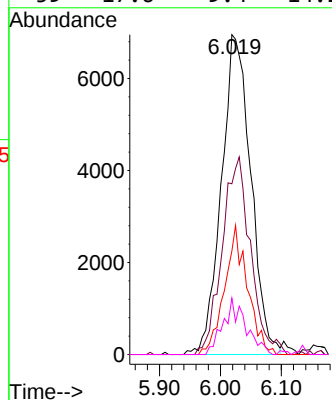
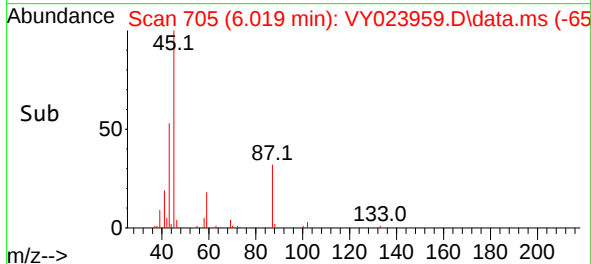
Instrument :
MSVOA_Y
ClientSampleId :
B127(8-10)120925



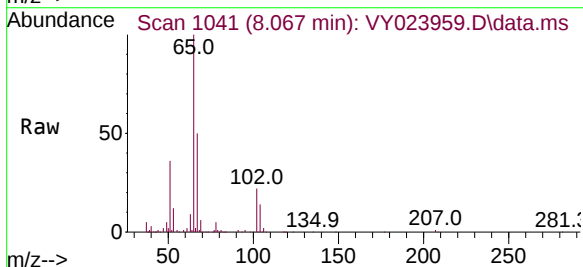
Tgt Ion: 45 Resp: 23297
Ion Ratio Lower Upper
45 100
43 53.4 47.0 70.6
87 32.4 26.0 39.0
59 17.6 9.4 14.2#

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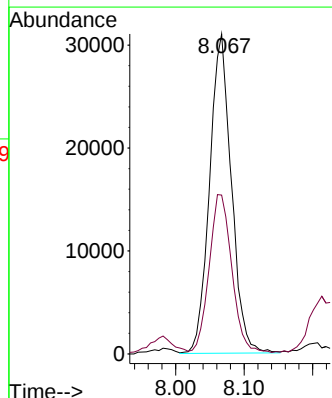
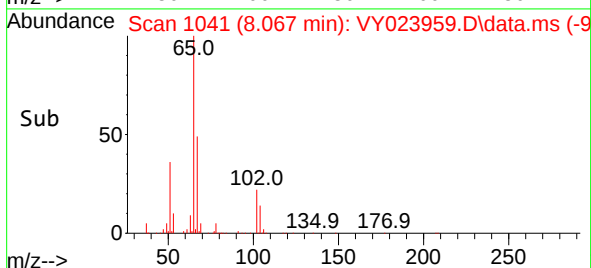
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Supervised By :Mahesh Dadoda 12/12/2025

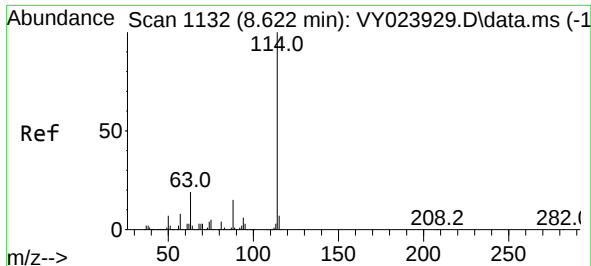


#33
1,2-Dichloroethane-d4
Concen: 40.651 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY023959.D
Acq: 11 Dec 2025 16:52



Tgt Ion: 65 Resp: 68444
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY023959.D

Acq: 11 Dec 2025 16:52

Instrument :

MSVOA_Y

ClientSampleId :

B127(8-10)120925

Tgt Ion:114 Resp: 26177

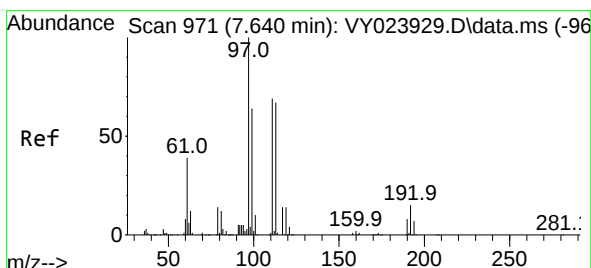
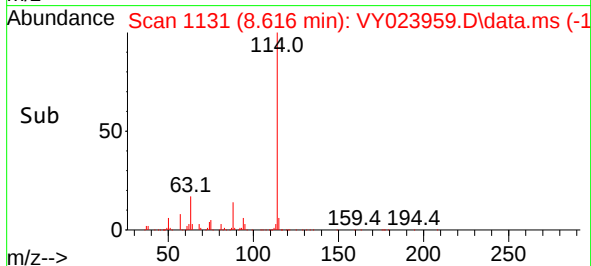
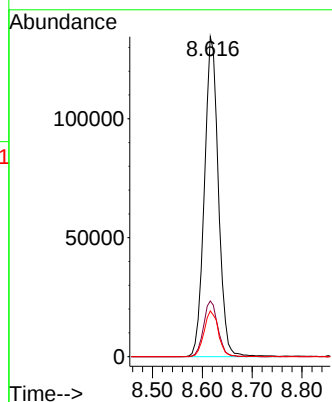
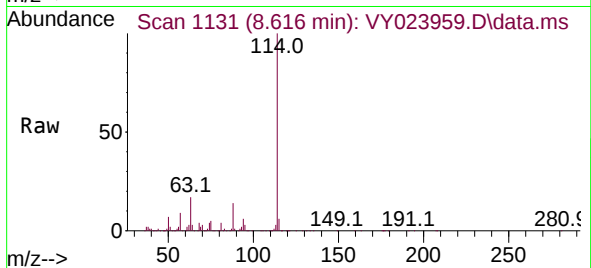
Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	37.2
88	14.3	0.0	29.4

Manual Integrations

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#35

Dibromofluoromethane

Concen: 44.364 ug/l

RT: 7.634 min Scan# 970

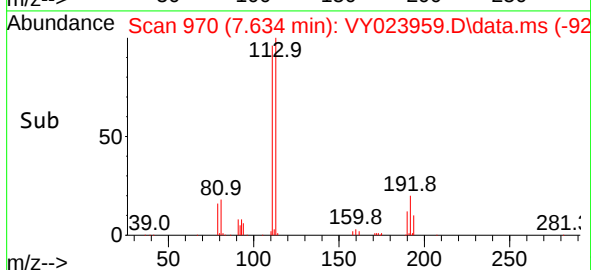
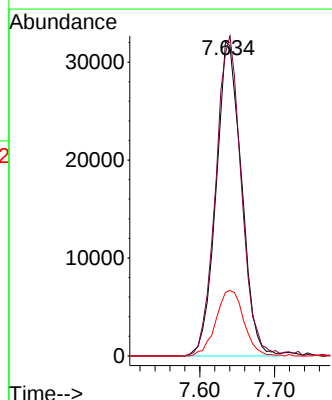
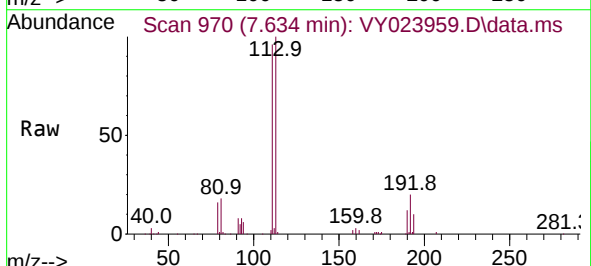
Delta R.T. -0.006 min

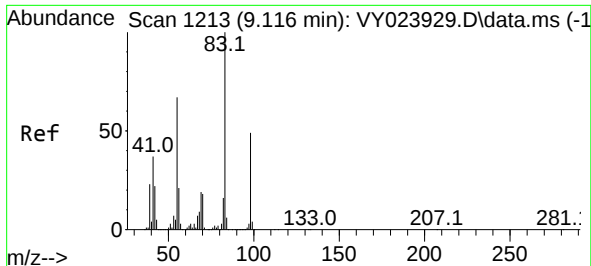
Lab File: VY023959.D

Acq: 11 Dec 2025 16:52

Tgt Ion:113 Resp: 75914

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	22.9	17.9	26.9





#39

Methylcyclohexane

Concen: 14.155 ug/l m

RT: 9.110 min Scan# 1213

Delta R.T. -0.006 min

Lab File: VY023959.D

Acq: 11 Dec 2025 16:52

Instrument :

MSVOA_Y

ClientSampleId :

B127(8-10)120925

Tgt Ion: 83 Resp: 44055

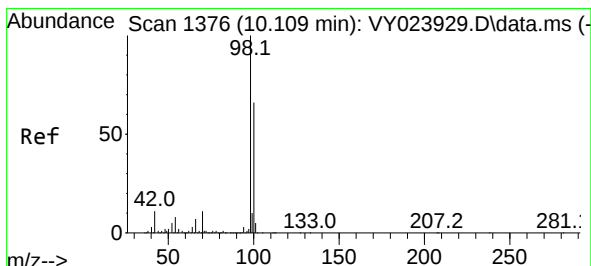
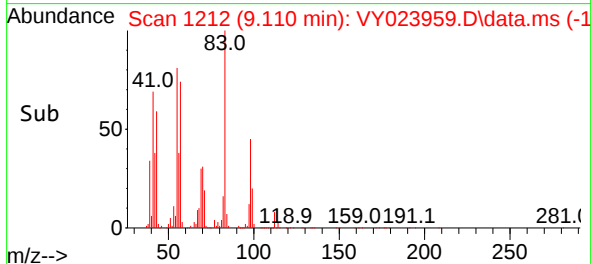
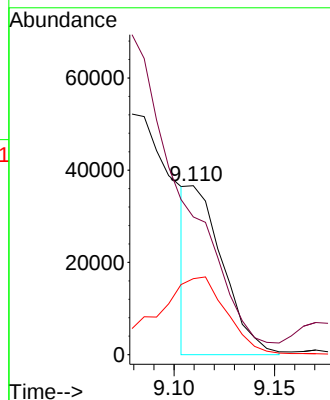
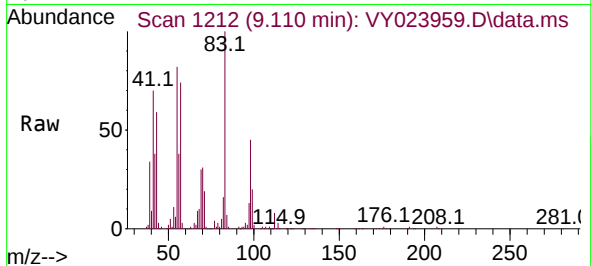
Ion	Ratio	Lower	Upper
83	100		
55	81.5	53.4	80.0
98	45.0	39.2	58.8

Manual Integrations

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Supervised By :Mahesh Dadoda 12/12/2025



#50

Toluene-d8

Concen: 50.707 ug/l

RT: 10.109 min Scan# 1376

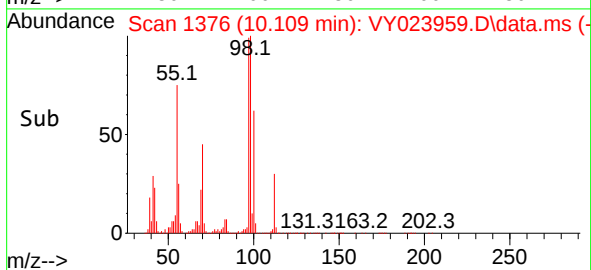
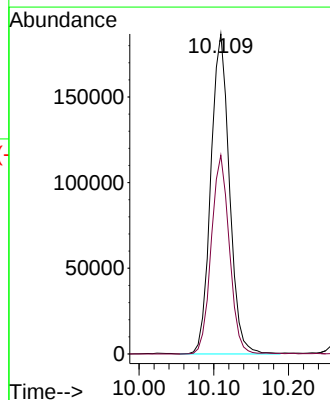
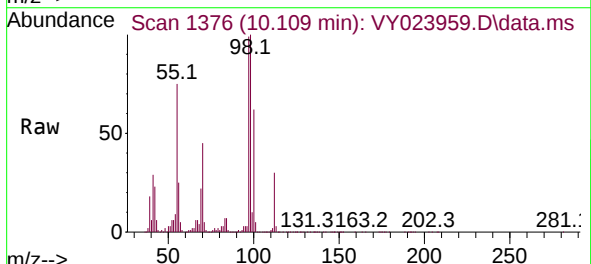
Delta R.T. 0.000 min

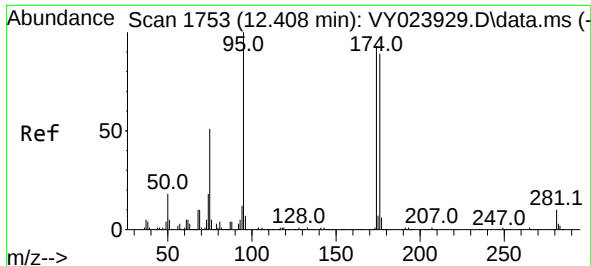
Lab File: VY023959.D

Acq: 11 Dec 2025 16:52

Tgt Ion: 98 Resp: 323048

Ion	Ratio	Lower	Upper
98	100		
100	60.1	52.8	79.2





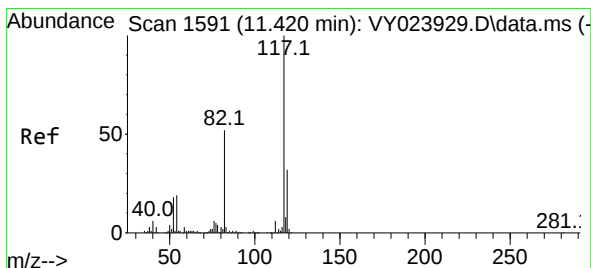
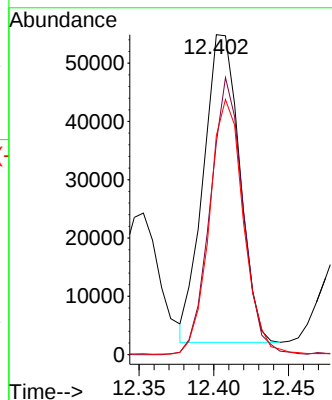
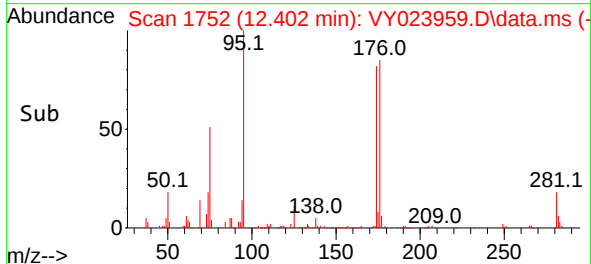
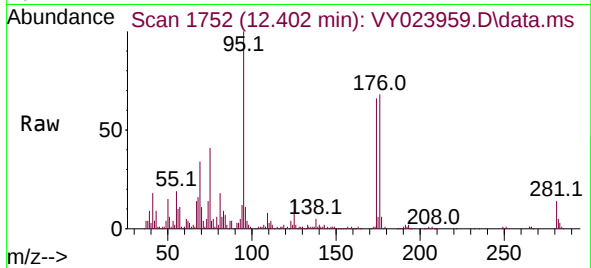
#62
4-Bromofluorobenzene
Concen: 42.064 ug/l
RT: 12.402 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY023959.D
Acq: 11 Dec 2025 16:52

Instrument :
MSVOA_Y
ClientSampleId :
B127(8-10)120925

Tgt Ion: 95 Resp: 89494
Ion Ratio Lower Upper
95 100
174 81.3 0.0 187.4
176 78.4 0.0 179.6

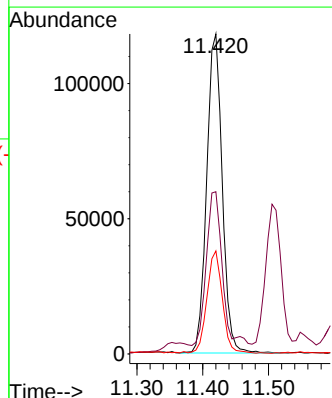
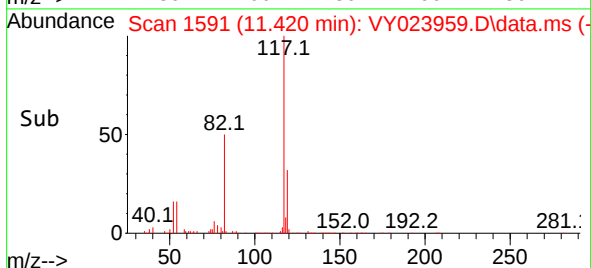
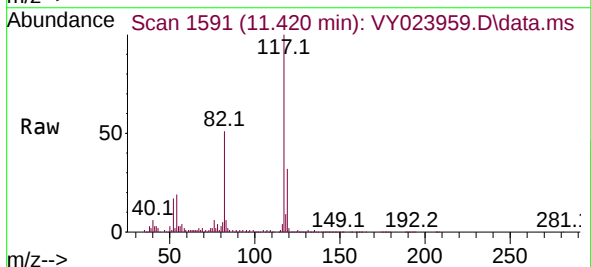
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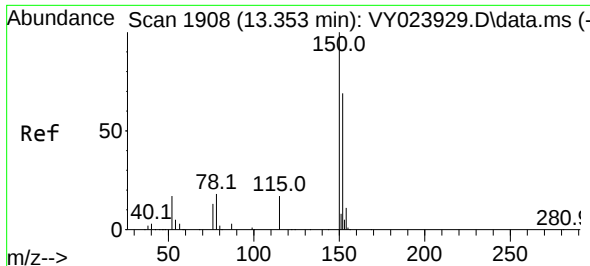
Reviewed By :Semsettin Yesilyurt 12/12/2025
Supervised By :Mahesh Dadoda 12/12/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY023959.D
Acq: 11 Dec 2025 16:52

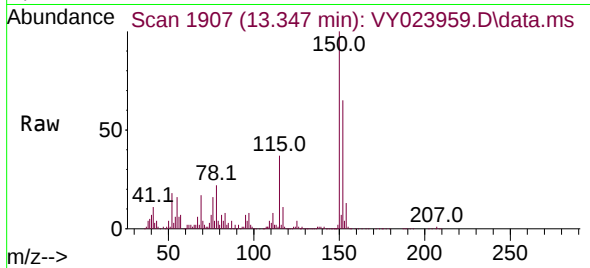
Tgt Ion:117 Resp: 194490
Ion Ratio Lower Upper
117 100
82 47.4 41.4 62.2
119 32.0 25.5 38.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY023959.D
Acq: 11 Dec 2025 16:52

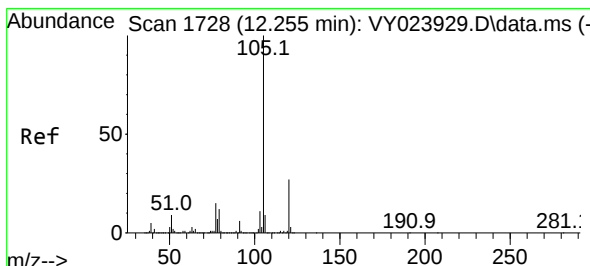
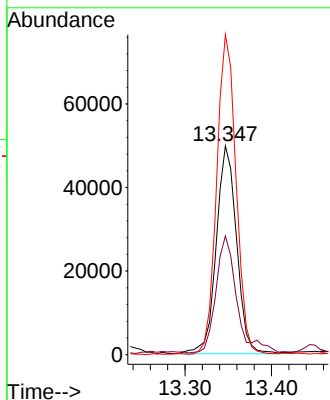
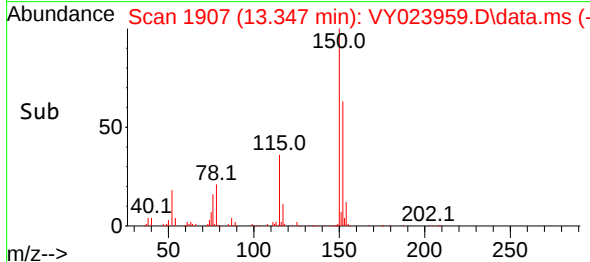
Instrument :
MSVOA_Y
ClientSampleId :
B127(8-10)120925



Tgt Ion:152 Resp: 81268
Ion Ratio Lower Upper
152 100
115 57.5 27.3 81.9
150 145.8 0.0 347.6

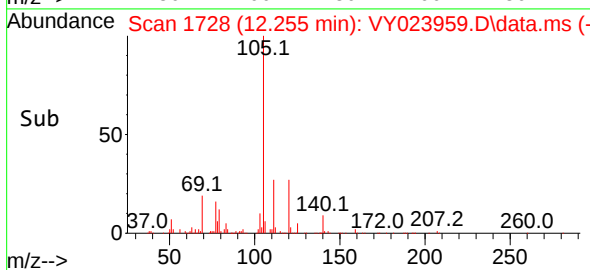
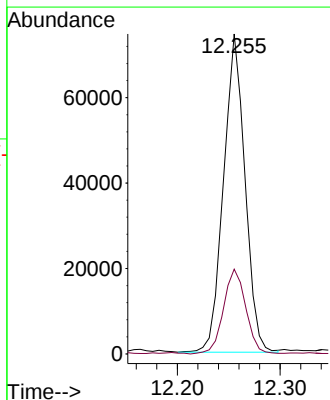
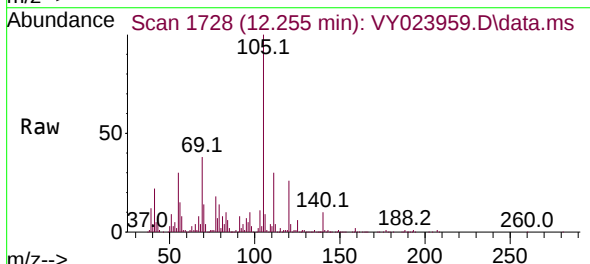
Manual Integrations
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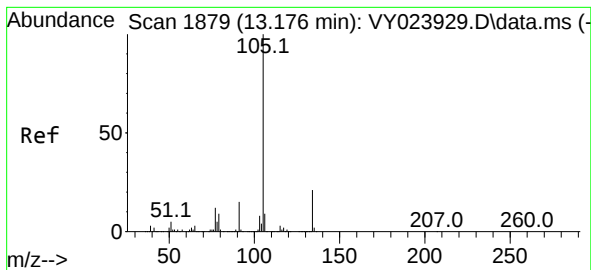
Reviewed By :Semsettin Yesilyurt 12/12/2025
Supervised By :Mahesh Dadoda 12/12/2025



#73
Isopropylbenzene
Concen: 18.161 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023959.D
Acq: 11 Dec 2025 16:52

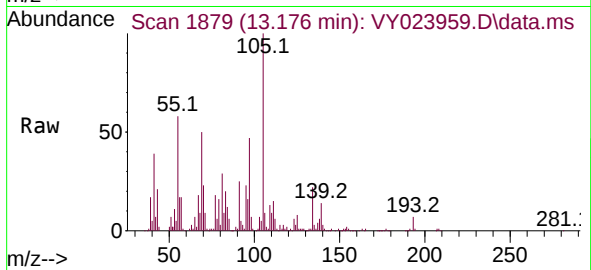
Tgt Ion:105 Resp: 107864
Ion Ratio Lower Upper
105 100
120 27.7 13.7 41.0





#85
sec-Butylbenzene
Concen: 10.973 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023959.D
Acq: 11 Dec 2025 16:52

Instrument :
MSVOA_Y
ClientSampleId :
B127(8-10)120925



Tgt Ion:105 Resp: 70076
Ion Ratio Lower Upper
105 100
134 36.3 10.6 31.8

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