

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023759.D
 Acq On : 12 Nov 2025 13:14
 Operator : SY/MD
 Sample : Q3586-01RE
 Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-1RE

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:50:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	90723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	111445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	77890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	23500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	28254	36.510	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	73.020%		
35) Dibromofluoromethane	7.634	113	32559	46.750	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.500%		
50) Toluene-d8	10.109	98	127782	49.254	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.500%		
62) 4-Bromofluorobenzene	12.408	95	28205	33.618	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	67.240%		
Target Compounds						Qvalue
8) Diethyl Ether	3.446	74	1681	4.104	ug/l	98
16) Acetone	3.854	43	2221m	11.546	ug/l	
17) Carbon Disulfide	4.110	76	8587	3.452	ug/l #	95
20) Methylene Chloride	4.616	84	4592	4.945	ug/l	94
22) Diisopropyl ether	6.018	45	8777	3.992	ug/l #	90

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

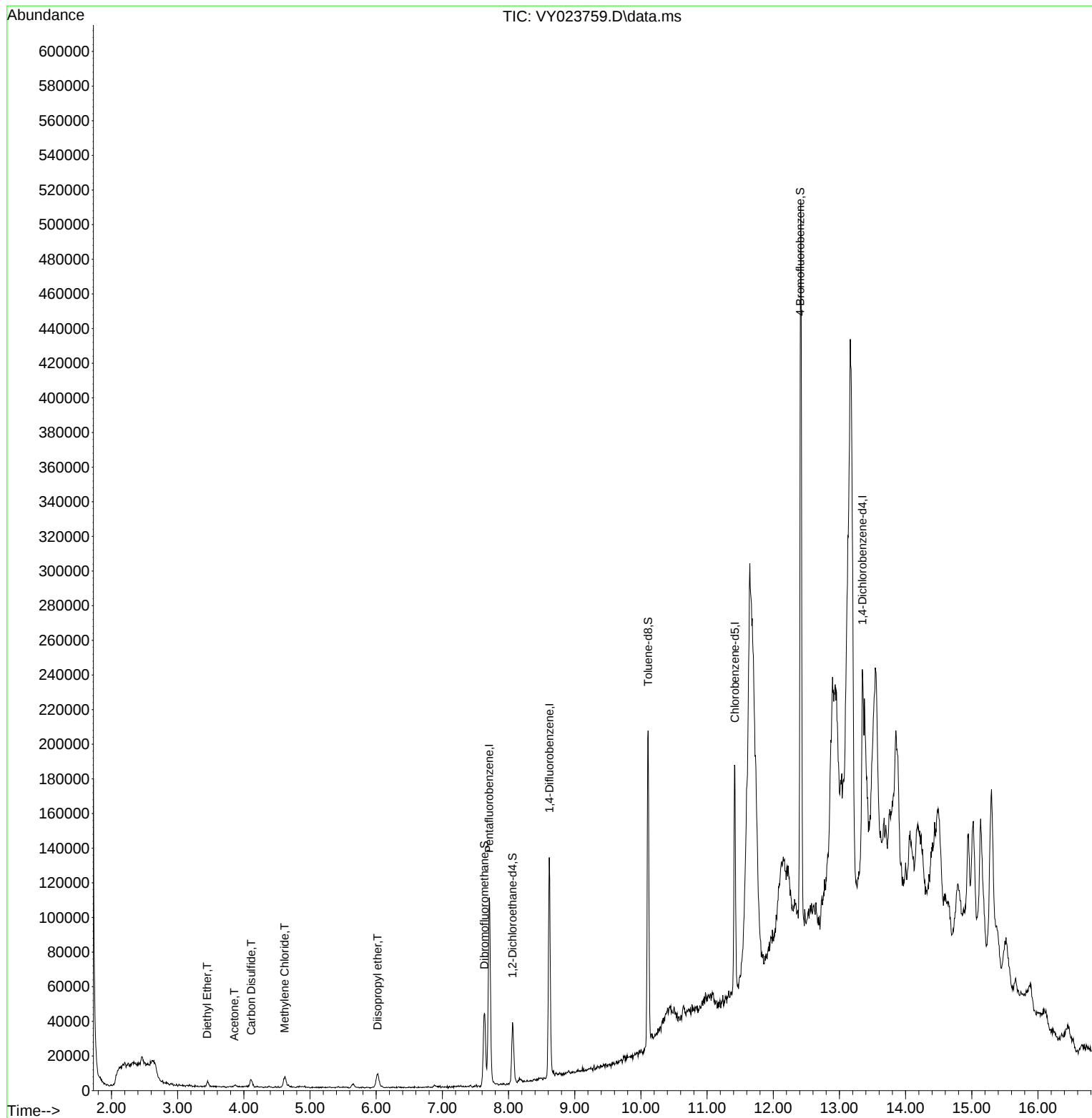
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
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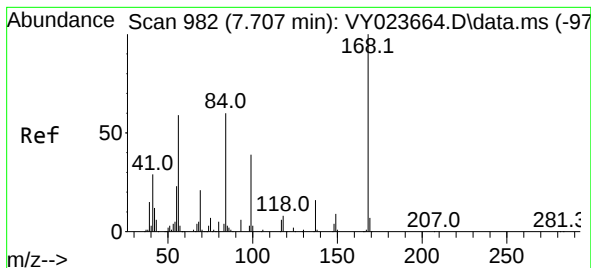
Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 90

Delta R.T. 0.000 min

Lab File: VY023759.D

Acq: 12 Nov 2025 13:14

Instrument :

MSVOA_Y

ClientSampleId :

SED-1RE

Tgt Ion:168 Resp: 9072

Ion Ratio Lower Upper

168 100

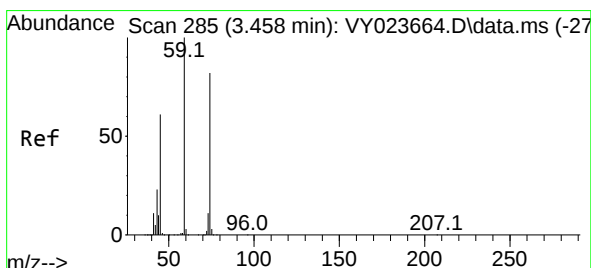
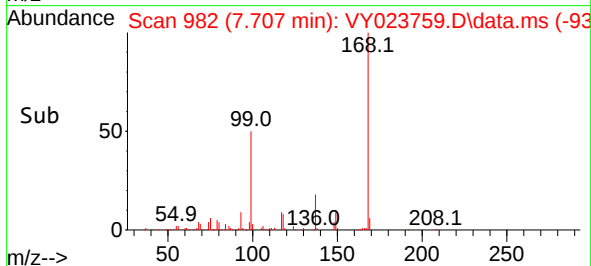
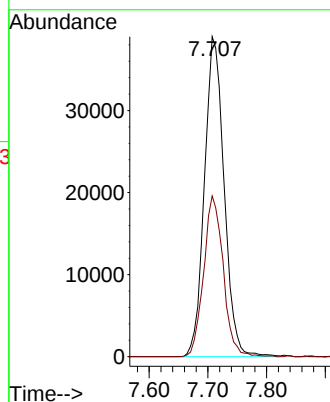
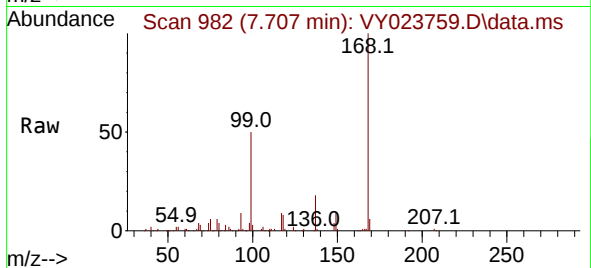
99 50.3 41.0 61.4

Manual Integrations

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#8

Diethyl Ether

Concen: 4.104 ug/l

RT: 3.446 min Scan# 283

Delta R.T. -0.012 min

Lab File: VY023759.D

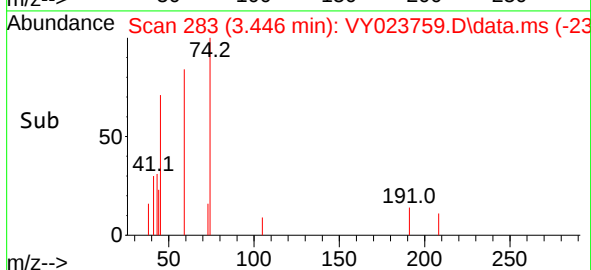
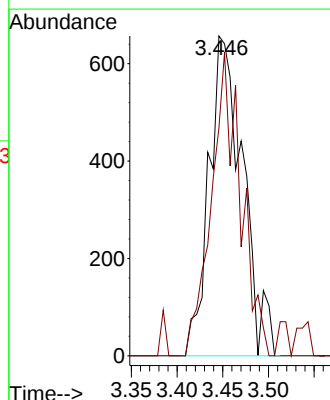
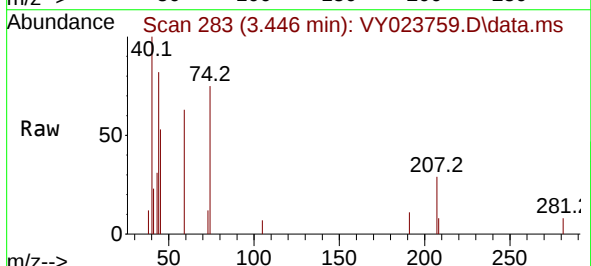
Acq: 12 Nov 2025 13:14

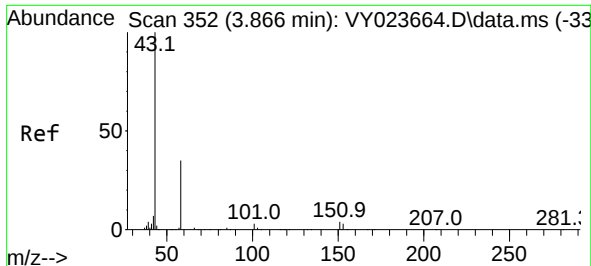
Tgt Ion: 74 Resp: 1681

Ion Ratio Lower Upper

74 100

45 83.0 40.6 121.7





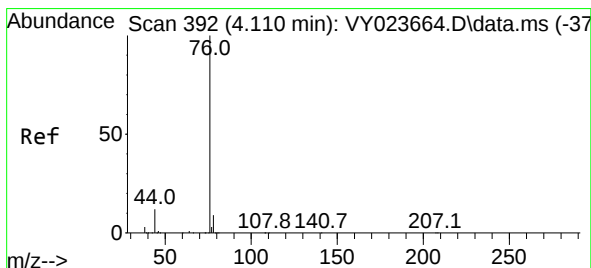
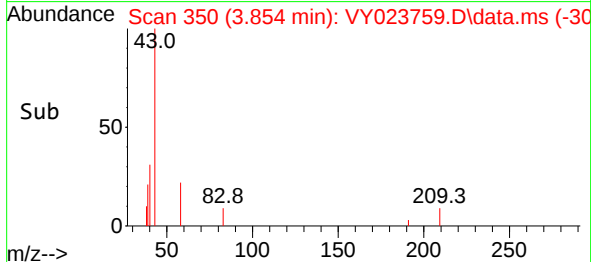
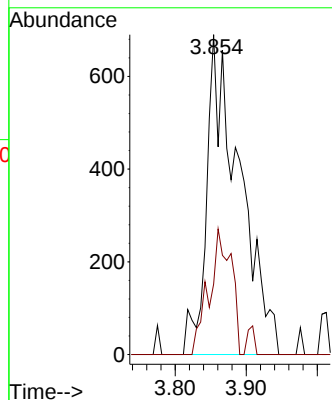
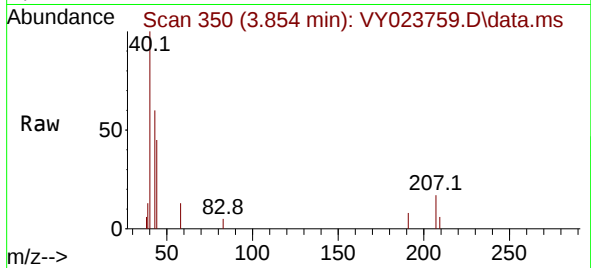
#16
Acetone
Concen: 11.546 ug/l m
RT: 3.854 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
58 22.0 28.2 42.4

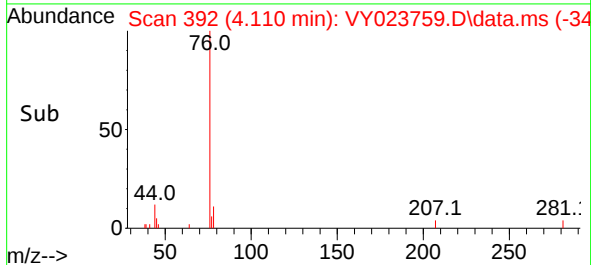
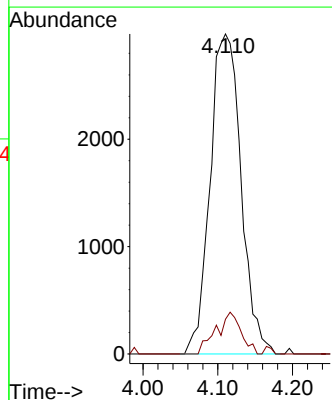
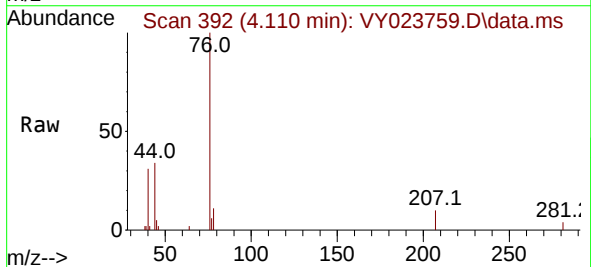
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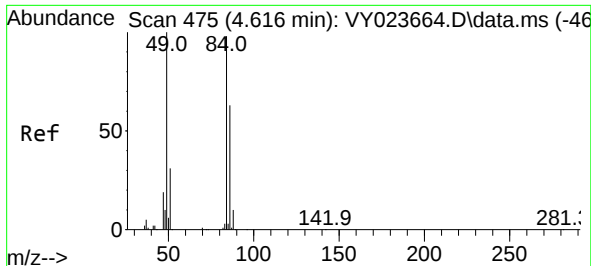
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#17
Carbon Disulfide
Concen: 3.452 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

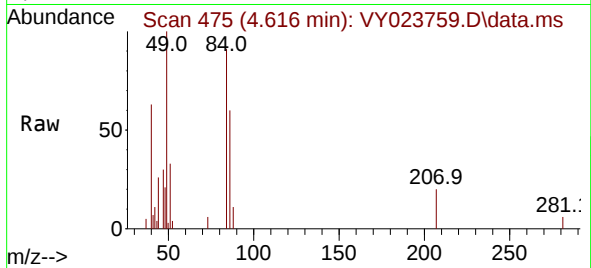
Tgt Ion: 76 Resp: 8587
Ion Ratio Lower Upper
76 100
78 10.9 7.1 10.7





#20
Methylene Chloride
Concen: 4.945 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

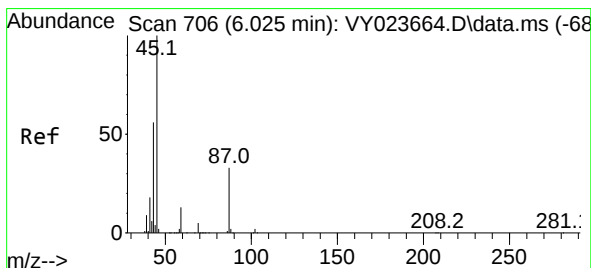
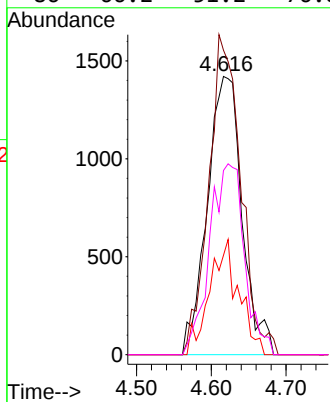
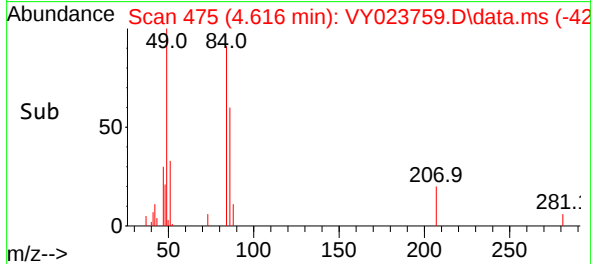
Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE



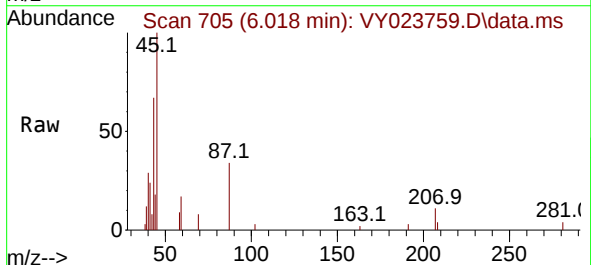
Tgt Ion: 84	Resp: 459
Ion Ratio	Lower Upper
84 100	
49 109.4	81.5 122.3
51 35.7	25.5 38.3
86 66.2	51.2 76.8

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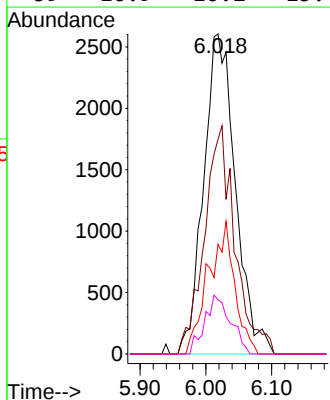
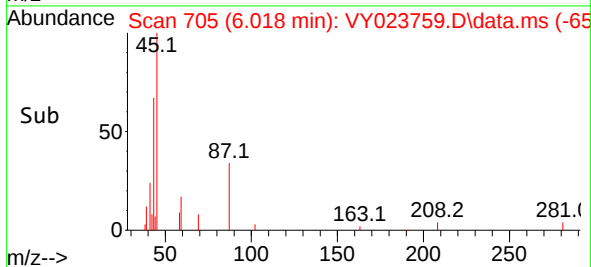
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

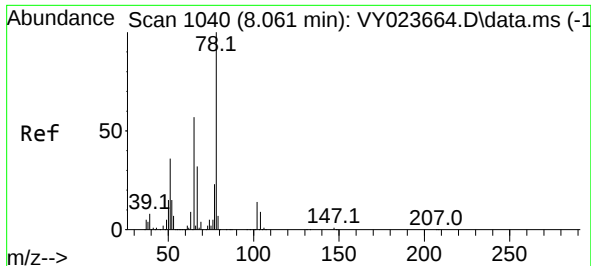


#22
Diisopropyl ether
Concen: 3.992 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14



Tgt Ion: 45	Resp: 8777
Ion Ratio	Lower Upper
45 100	
43 67.1	44.7 67.1#
87 34.3	27.2 40.8
59 16.9	10.2 15.4#





#33

1,2-Dichloroethane-d4

Concen: 36.510 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023759.D

Acq: 12 Nov 2025 13:14

Instrument :

MSVOA_Y

ClientSampleId :

SED-1RE

Tgt Ion: 65 Resp: 28254

Ion Ratio Lower Upper

65 100

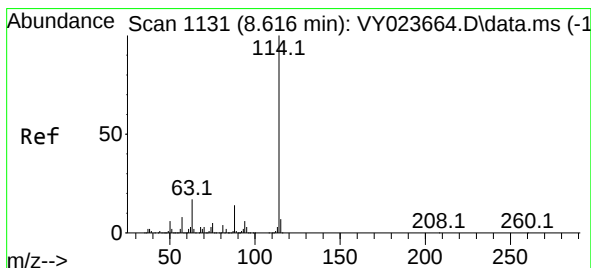
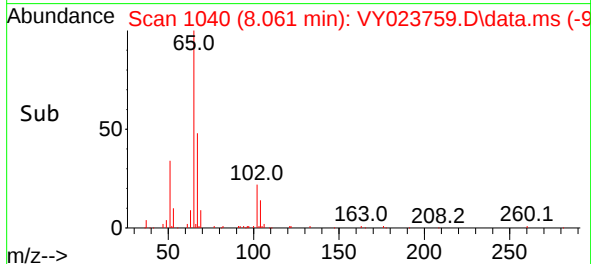
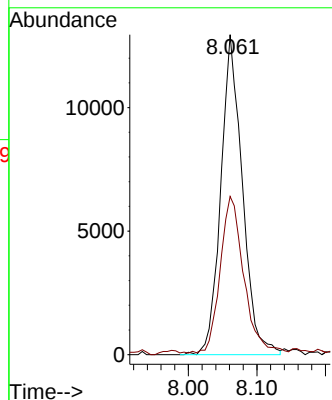
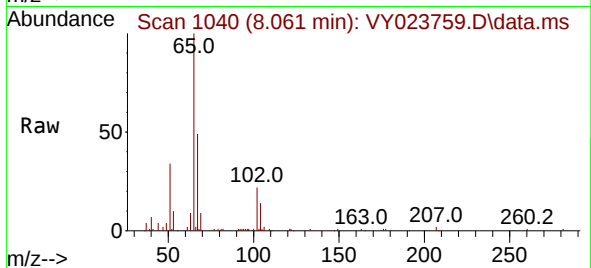
67 53.6 0.0 107.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023759.D

Acq: 12 Nov 2025 13:14

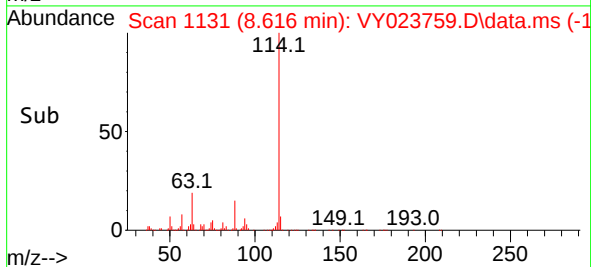
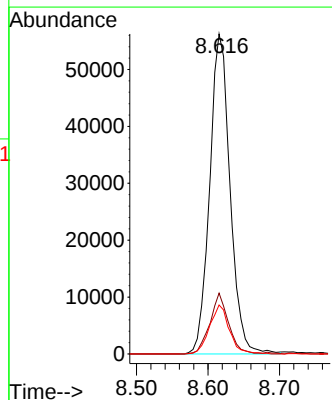
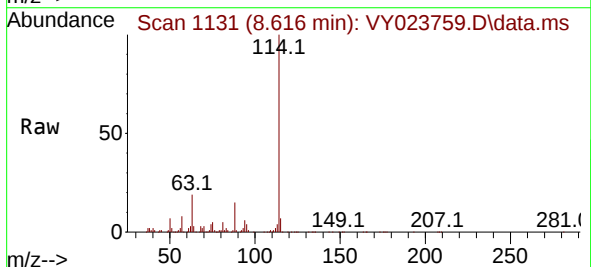
Tgt Ion:114 Resp: 111445

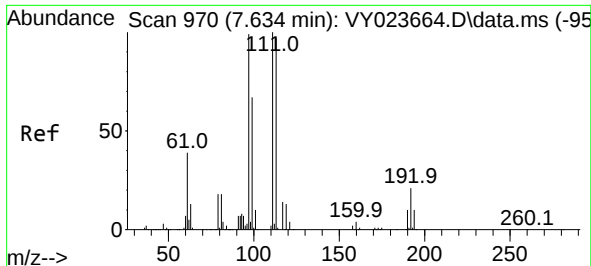
Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.8

88 15.3 0.0 29.0





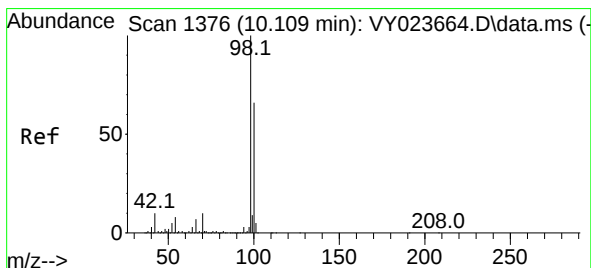
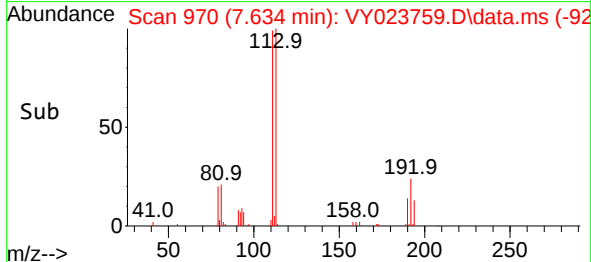
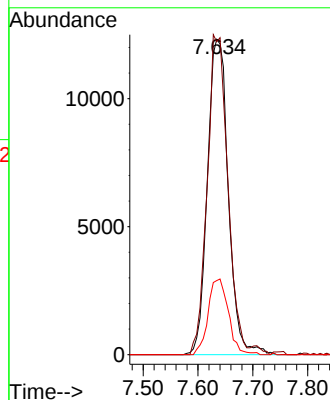
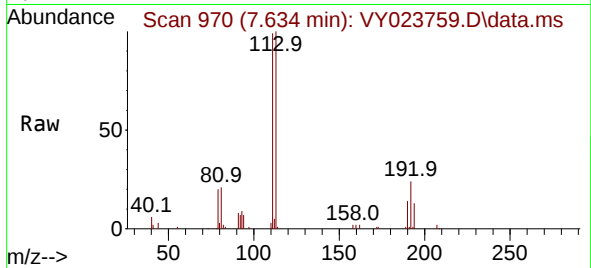
#35
Dibromofluoromethane
Concen: 46.750 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

Tgt Ion:113 Resp: 3255
Ion Ratio Lower Upper
113 100
111 99.9 82.2 123.4
192 23.3 17.3 25.9

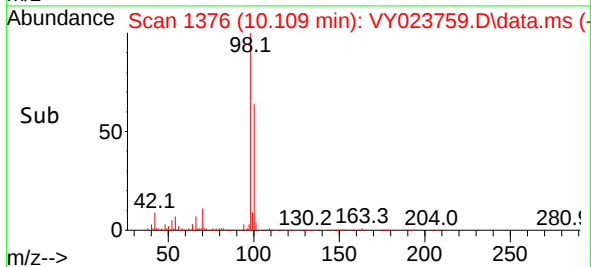
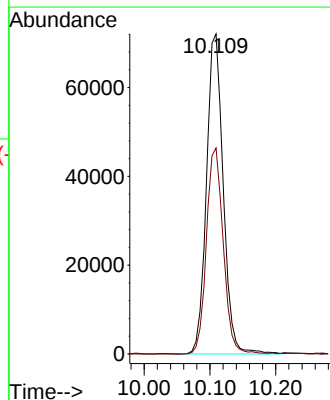
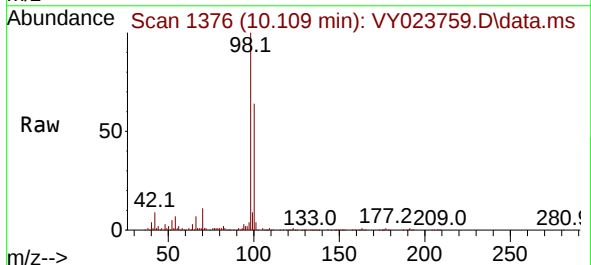
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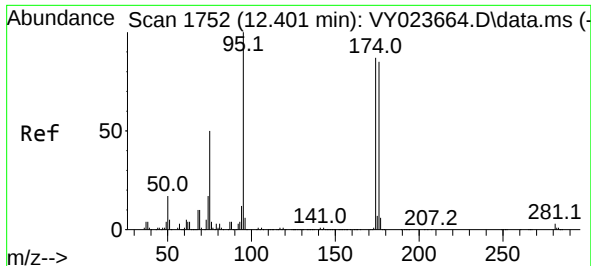
Reviewed By :Amit Patel 11/14/2025
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#50
Toluene-d8
Concen: 49.254 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

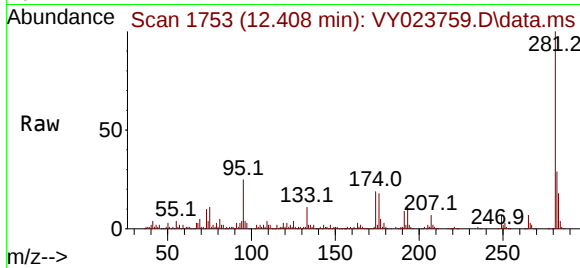
Tgt Ion: 98 Resp: 127782
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1





#62
4-Bromofluorobenzene
Concen: 33.618 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

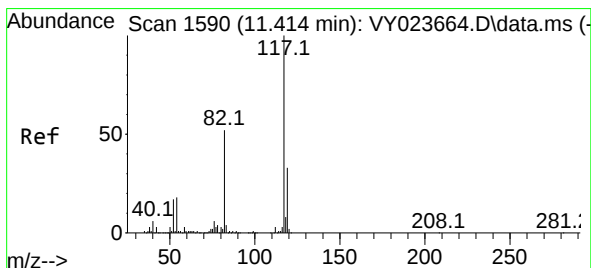
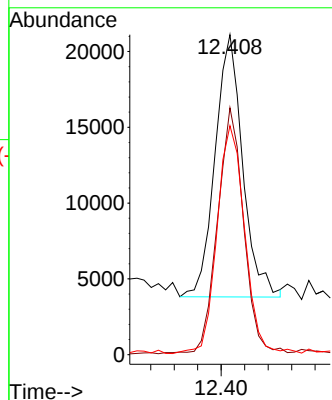
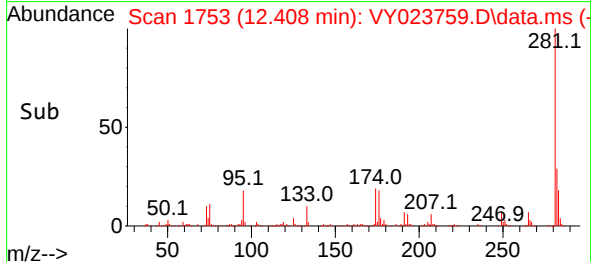
Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE



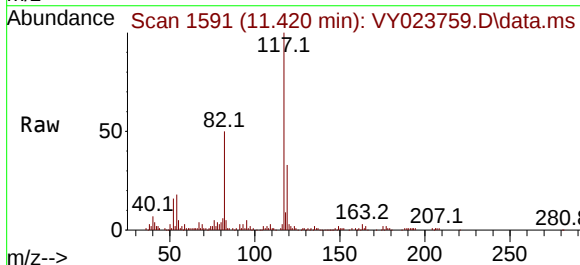
Tgt Ion: 95 Resp: 2820
Ion Ratio Lower Upper
95 100
174 88.8 0.0 184.8
176 86.9 0.0 181.6

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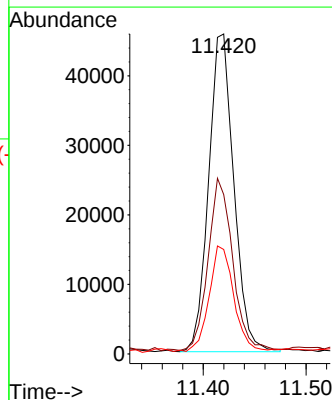
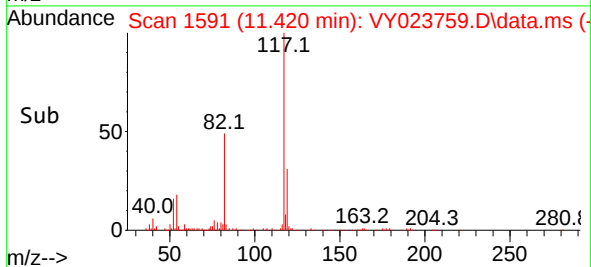
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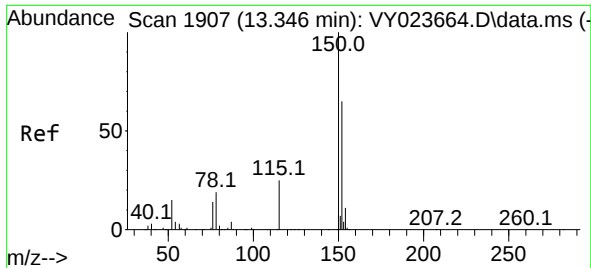


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14



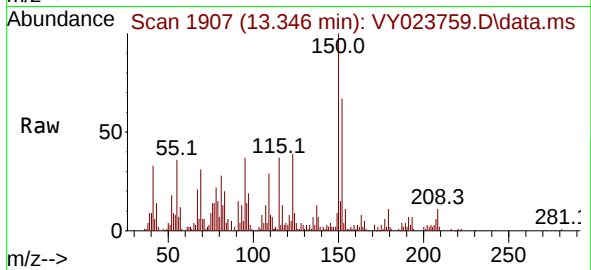
Tgt Ion:117 Resp: 77890
Ion Ratio Lower Upper
117 100
82 49.1 41.2 61.8
119 31.7 26.2 39.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023759.D
 Acq: 12 Nov 2025 13:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-1RE



Tgt Ion:152 Resp: 23500
 Ion Ratio Lower Upper
 152 100
 115 51.2 27.5 82.5
 150 134.3 0.0 349.0

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