

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088476.D
 Acq On : 09 Dec 2025 13:45
 Operator : JC\MD
 Sample : Q3770-01
 Misc : 1.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 4207

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/10/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 05:06:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	218053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	447665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	423132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	219623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	226612	55.168	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.340%			
35) Dibromofluoromethane	8.147	113	158339	51.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	10.541	98	571808	49.537	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.080%			
62) 4-Bromofluorobenzene	12.829	95	225525	56.942	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.880%			
Target Compounds					Qvalue	
16) Acetone	4.436	43	275908	185.728	ug/l	100
39) Methylcyclohexane	9.571	83	345338	67.432	ug/l #	87
52) Toluene	10.594	92	26778598m	3300.254	ug/l	
67) Ethyl Benzene	11.941	91	94796	5.707	ug/l	98
68) m/p-Xylenes	12.047	106	62064	10.077	ug/l	99
69) o-Xylene	12.377	106	22607	3.850	ug/l	99
73) Isopropylbenzene	12.671	105	16998	1.047	ug/l	98
78) n-propylbenzene	13.012	91	60289	3.035	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	71883	5.342	ug/l	94
84) 1,2,4-Trimethylbenzene	13.459	105	261693	19.566	ug/l	99
85) sec-Butylbenzene	13.588	105	41312	2.514	ug/l	87
86) p-Isopropyltoluene	13.706	119	30156	2.238	ug/l	91
89) n-Butylbenzene	14.029	91	63090m	4.822	ug/l	

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

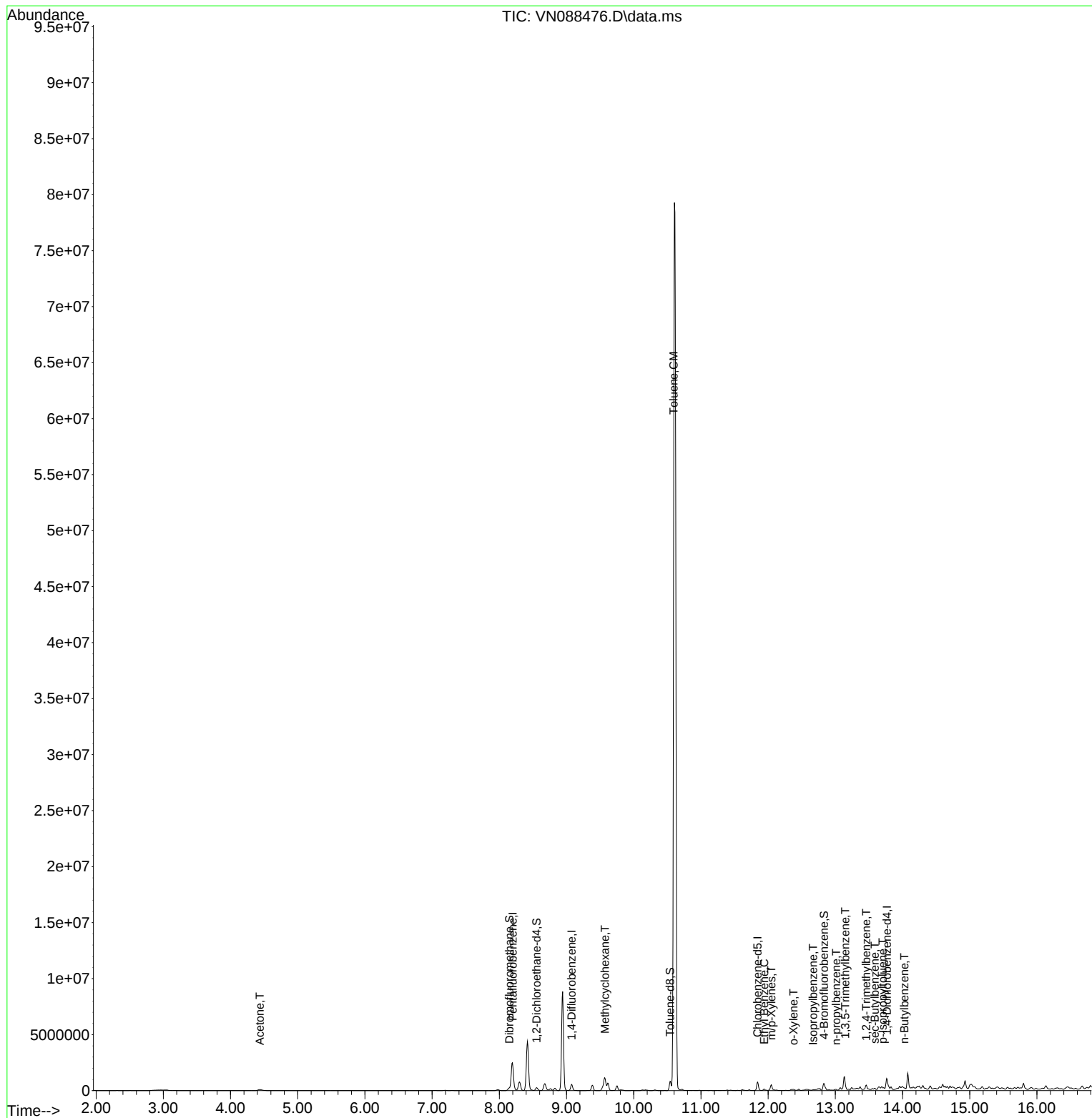
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088476.D
Acq On : 09 Dec 2025 13:45
Operator : JC\MD
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Misc : 1.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

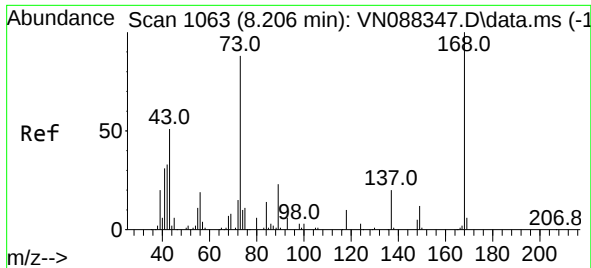
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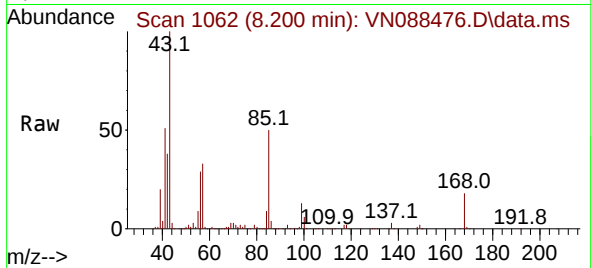
Quant Time: Dec 10 05:06:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

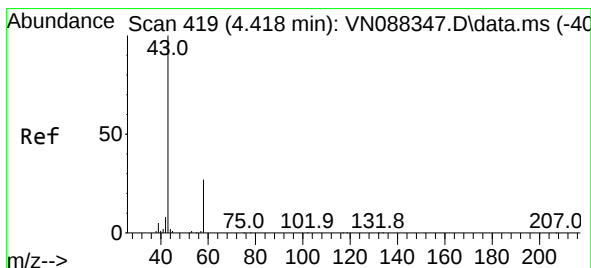
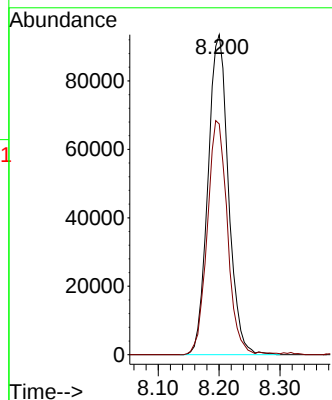
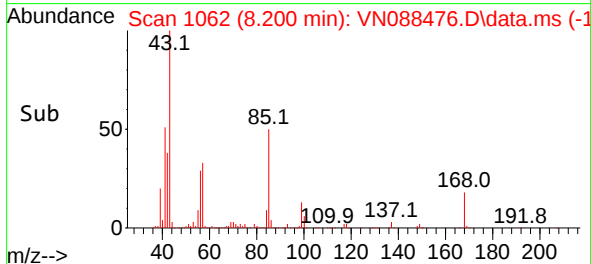
Instrument :
MSVOA_N
ClientSampleId :
4207



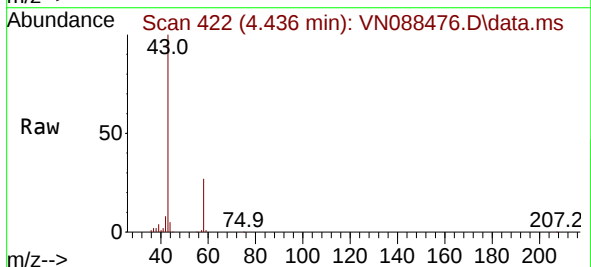
Tgt Ion:168 Resp: 21805
Ion Ratio Lower Upper
168 100
99 72.1 57.1 85.7

Manual Integrations
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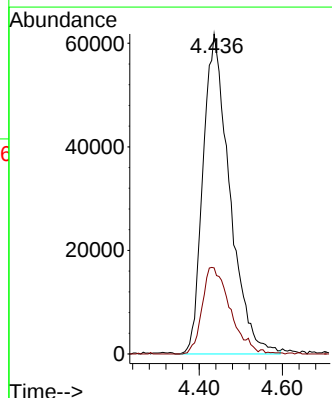
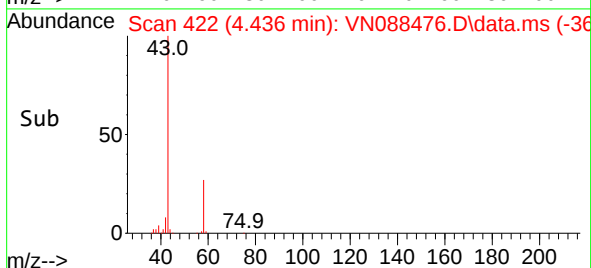
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

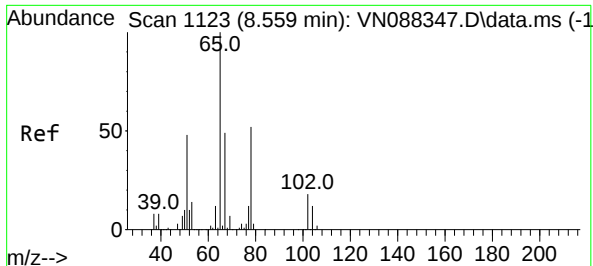


#16
Acetone
Concen: 185.728 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45



Tgt Ion: 43 Resp: 275908
Ion Ratio Lower Upper
43 100
58 26.9 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 55.168 ug/l

RT: 8.553 min Scan# 1122

Delta R.T. -0.006 min

Lab File: VN088476.D

Acq: 09 Dec 2025 13:45

Instrument :

MSVOA_N

ClientSampleId :

4207

Tgt Ion: 65 Resp: 22661

Ion Ratio Lower Upper

65 100

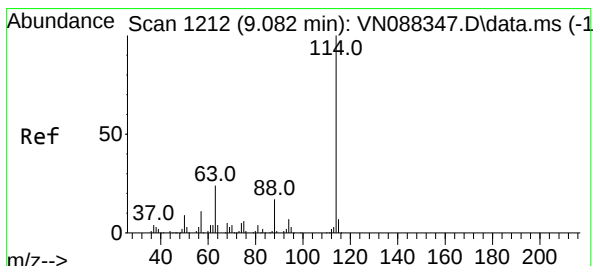
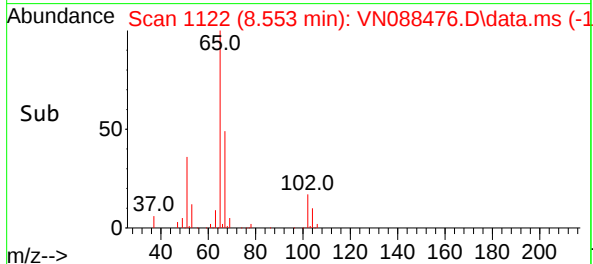
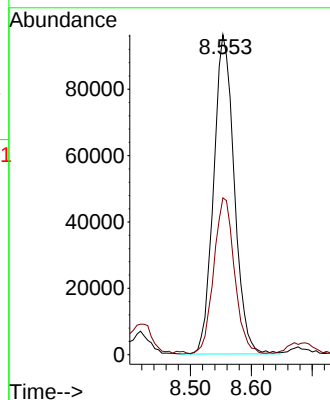
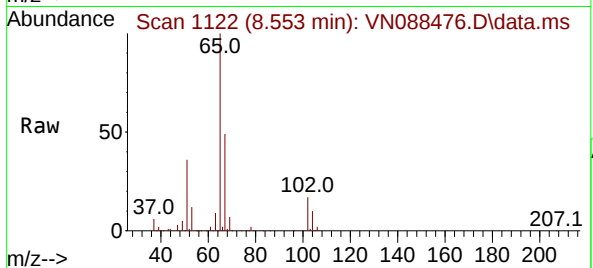
67 48.8 0.0 100.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088476.D

Acq: 09 Dec 2025 13:45

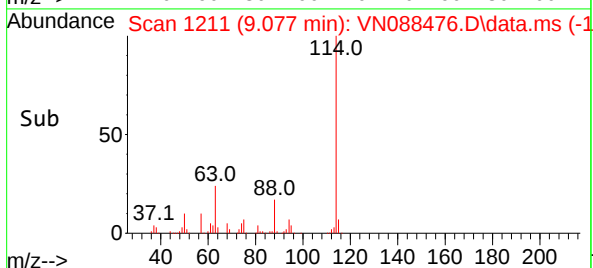
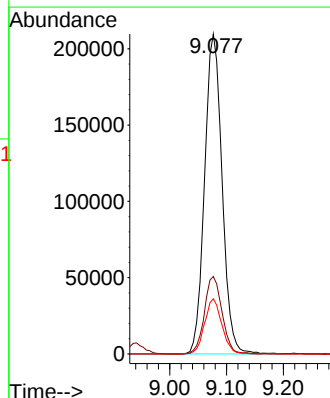
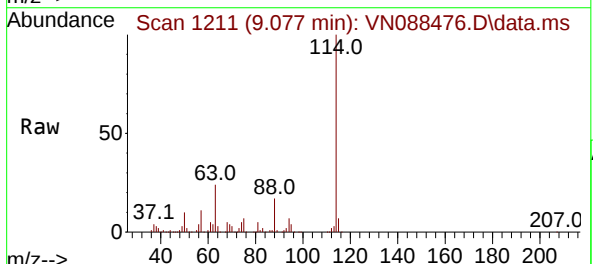
Tgt Ion:114 Resp: 447665

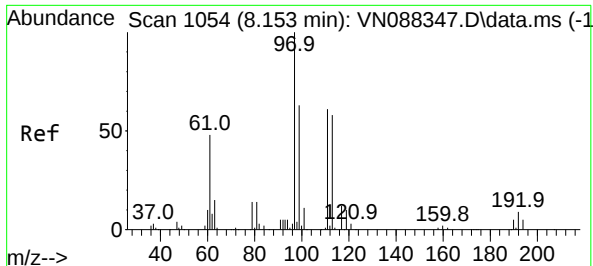
Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.0

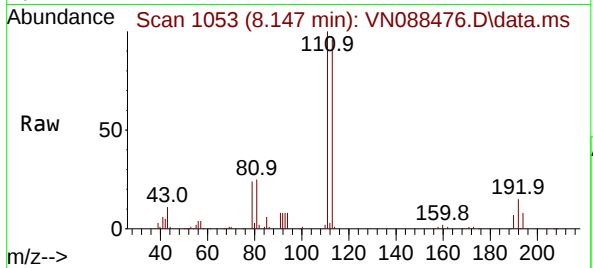
88 17.2 0.0 34.0





#35
Dibromofluoromethane
Concen: 51.039 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

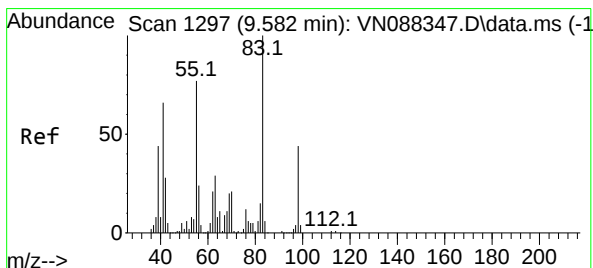
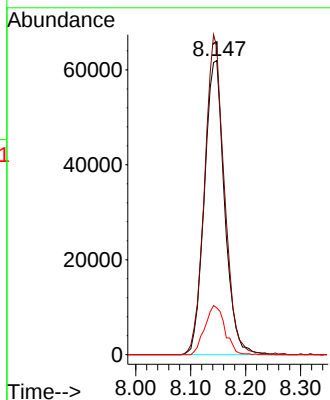
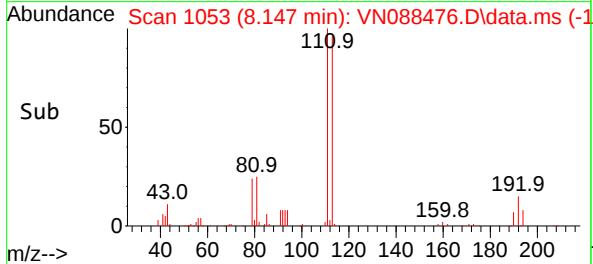
Instrument :
MSVOA_N
ClientSampleId :
4207



Tgt Ion:113 Resp: 158339
Ion Ratio Lower Upper
113 100
111 105.9 82.5 123.7
192 16.6 12.8 19.2

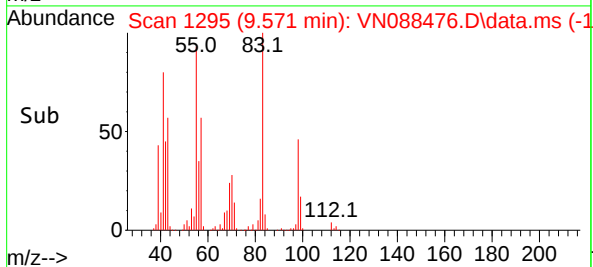
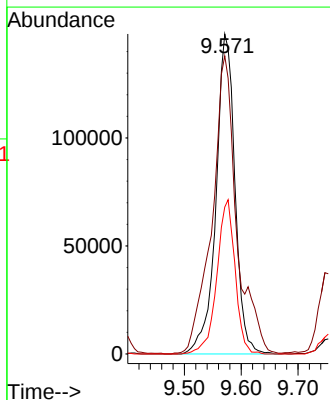
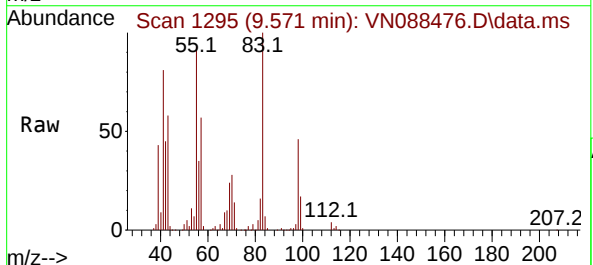
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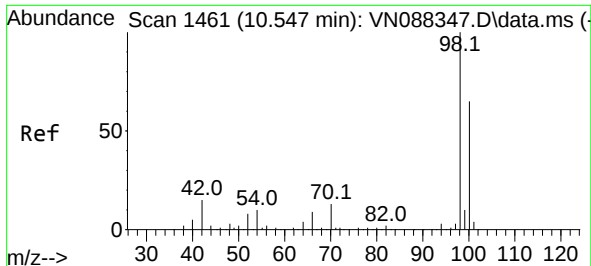
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#39
Methylcyclohexane
Concen: 67.432 ug/l
RT: 9.571 min Scan# 1295
Delta R.T. -0.012 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

Tgt Ion: 83 Resp: 345338
Ion Ratio Lower Upper
83 100
55 92.9 61.6 92.4#
98 45.9 35.3 52.9





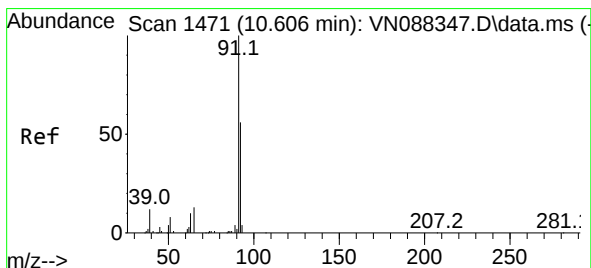
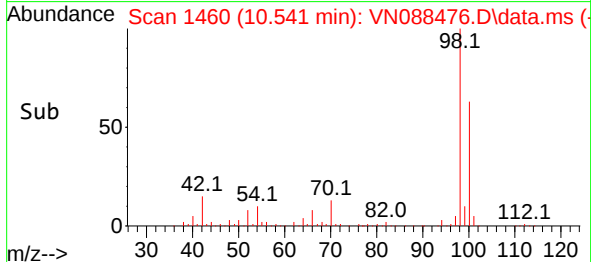
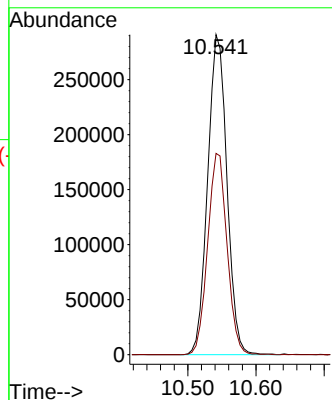
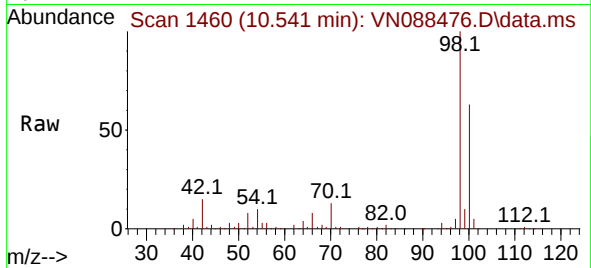
#50
Toluene-d8
Concen: 49.537 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
4207

Tgt Ion: 98 Resp: 571808
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.2

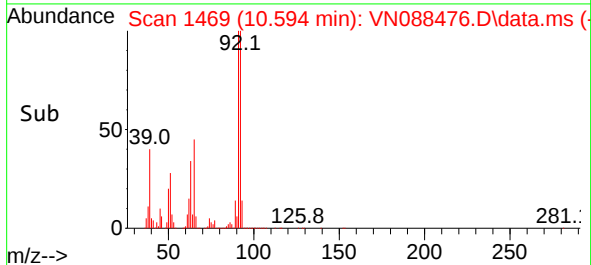
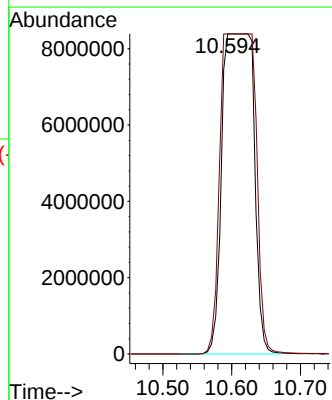
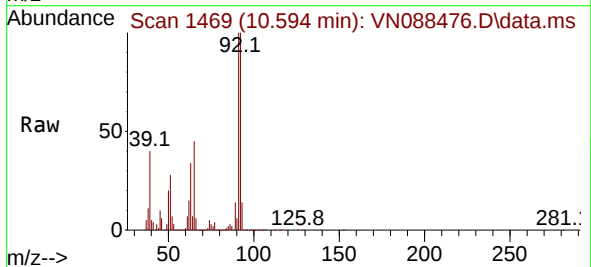
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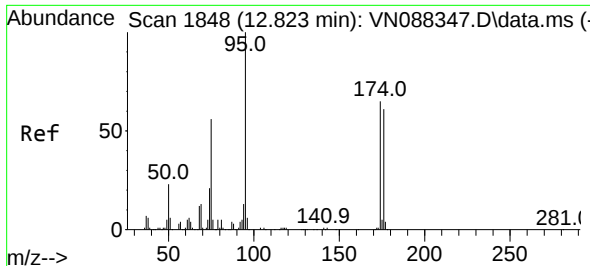
Reviewed By :John Carlone 12/10/2025
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#52
Toluene
Concen: 3300.254 ug/l m
RT: 10.594 min Scan# 1469
Delta R.T. -0.012 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

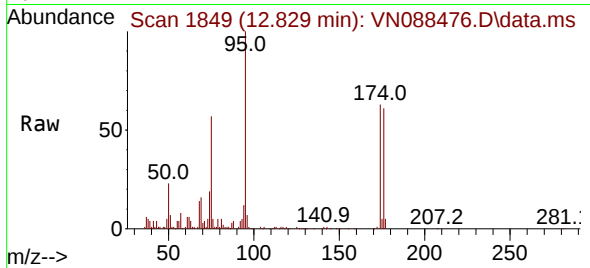
Tgt Ion: 92 Resp:26778598
Ion Ratio Lower Upper
92 100
91 0.0 140.2 210.2#





#62
4-Bromofluorobenzene
Concen: 56.942 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

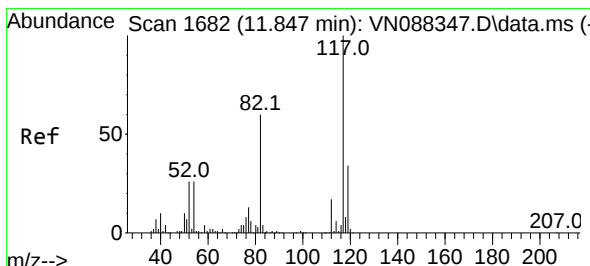
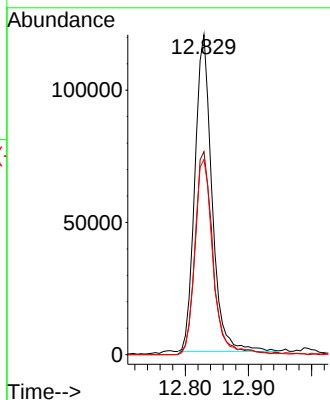
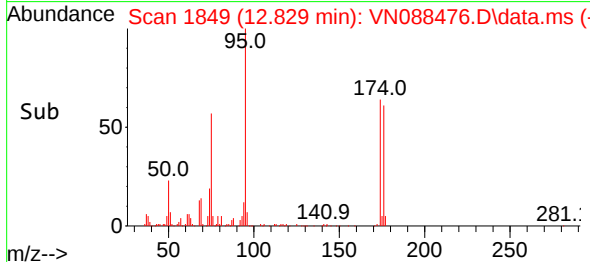
Instrument :
MSVOA_N
ClientSampleId :
4207



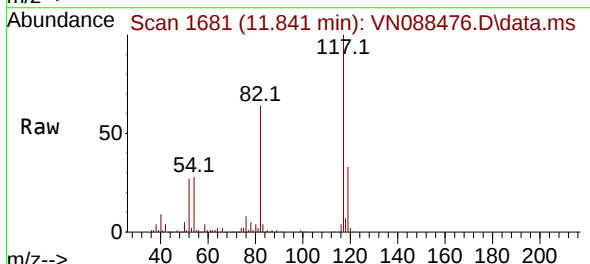
Tgt Ion: 95 Resp: 225529
Ion Ratio Lower Upper
95 100
174 66.8 0.0 139.0
176 66.0 0.0 132.4

Manual Integrations
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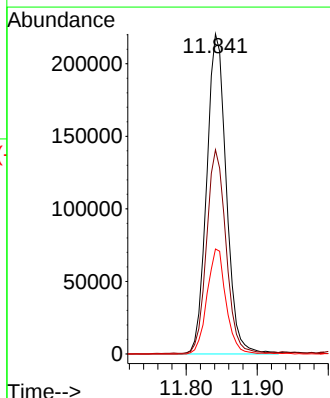
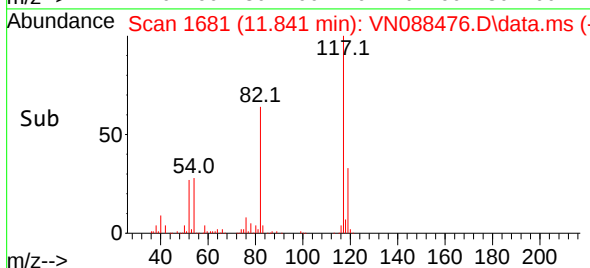
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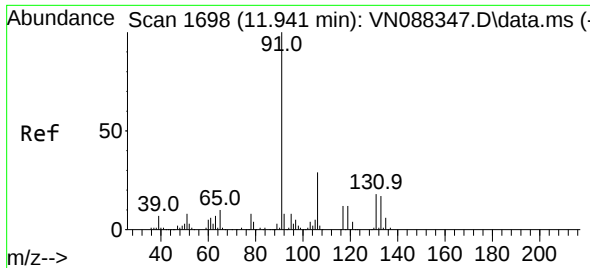


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45



Tgt Ion:117 Resp: 423132
Ion Ratio Lower Upper
117 100
82 63.6 47.8 71.8
119 32.8 26.9 40.3





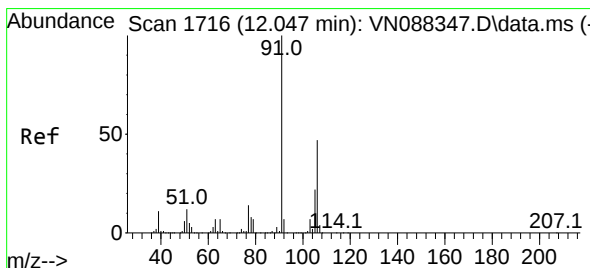
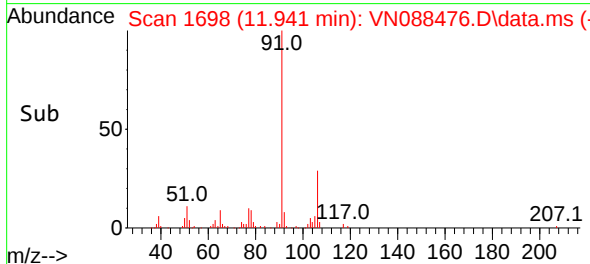
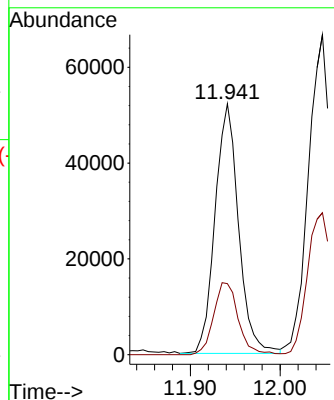
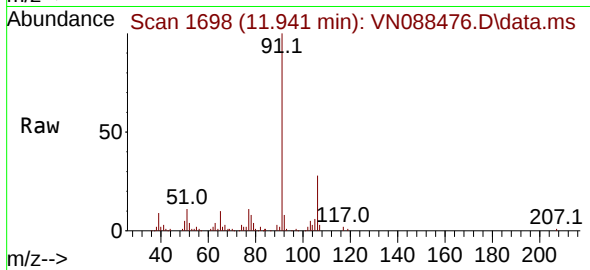
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Ethyl Benzene
Concen: 5.707 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
4207

Tgt Ion: 91 Resp: 94790
Ion Ratio Lower Upper
91 100
106 28.5 23.6 35.4

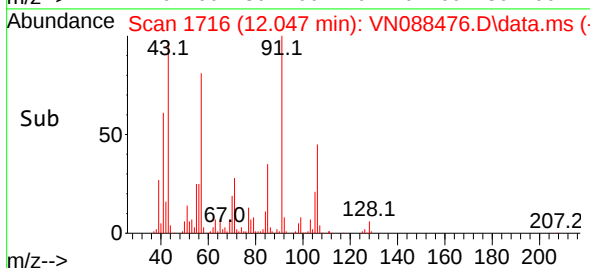
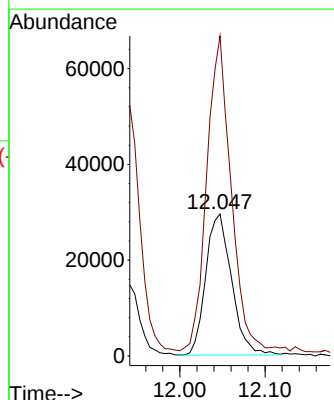
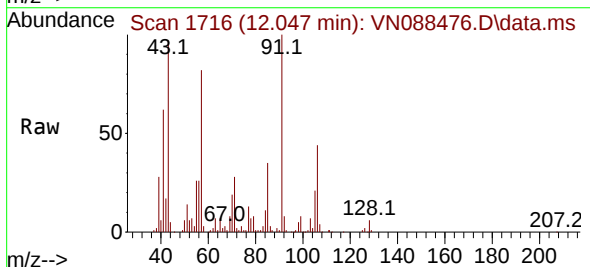
Manual Integrations
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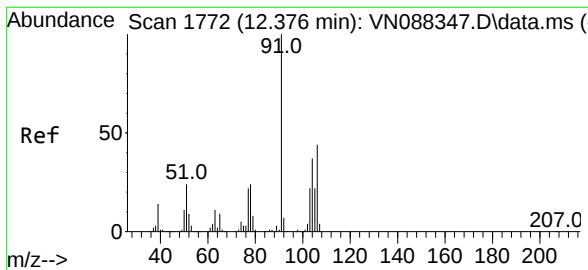
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#68
m/p-Xylenes
Concen: 10.077 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

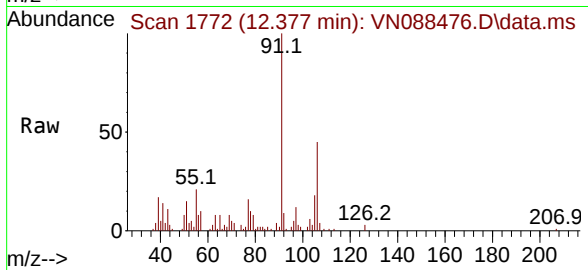
Tgt Ion:106 Resp: 62064
Ion Ratio Lower Upper
106 100
91 208.3 167.8 251.6





#69
o-Xylene
Concen: 3.850 ug/l
RT: 12.377 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

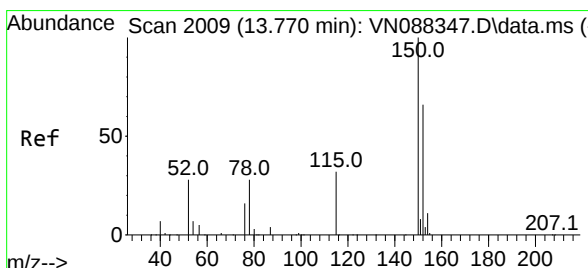
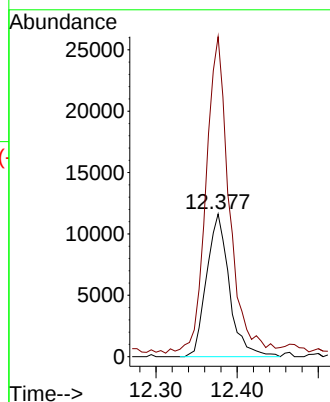
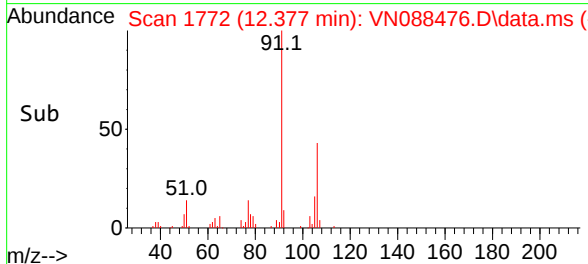
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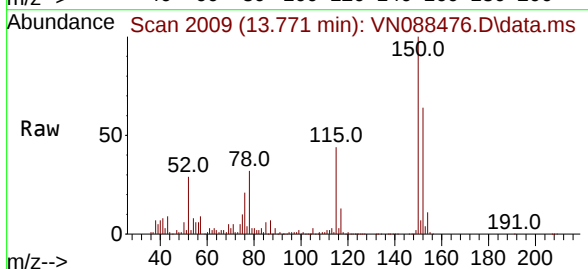
Tgt Ion:106 Resp: 2260
Ion Ratio Lower Upper
106 100
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Manual Integrations
APPROVED

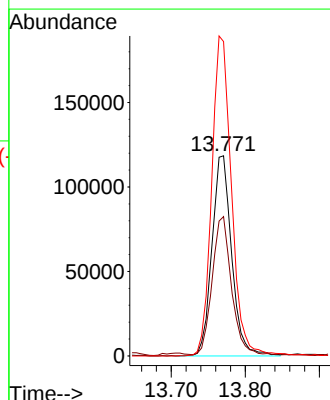
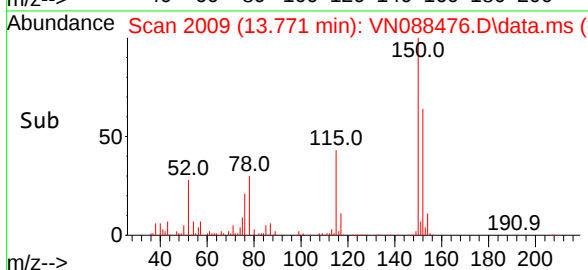
Reviewed By :John Carlone 12/10/2025
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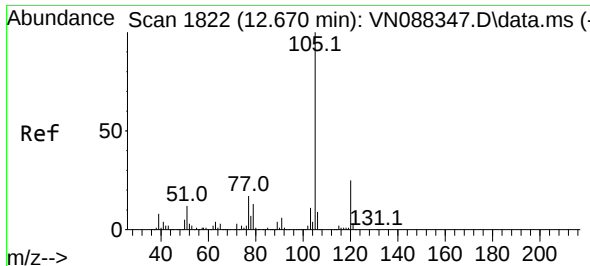


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45



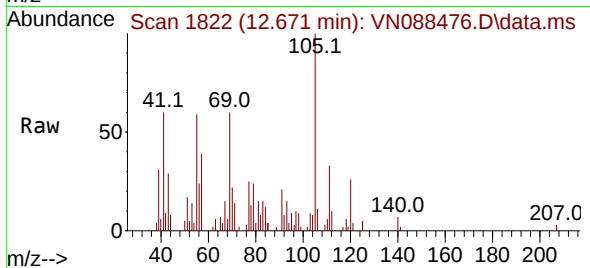
Tgt Ion:152 Resp: 219623
Ion Ratio Lower Upper
152 100
115 67.5 33.0 98.9
150 160.4 0.0 349.0





#73
Isopropylbenzene
Concen: 1.047 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

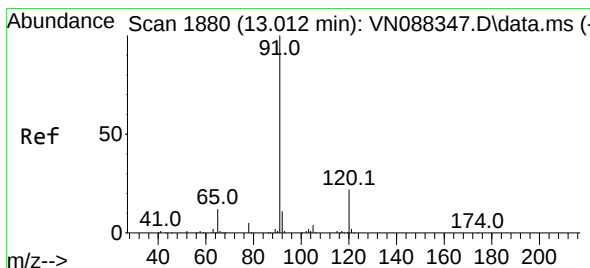
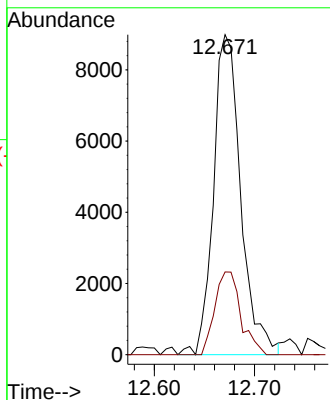
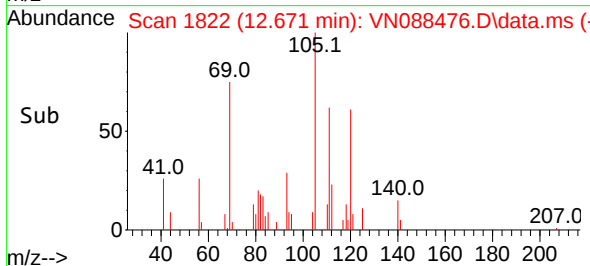
Instrument :
MSVOA_N
ClientSampleId :
4207



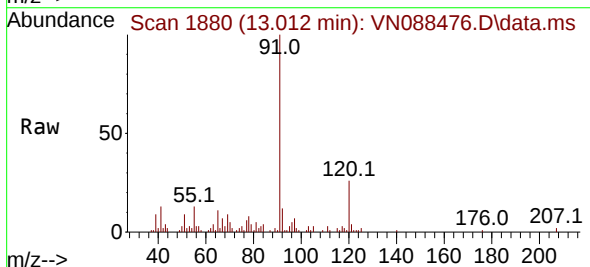
Tgt Ion:105 Resp: 16998
Ion Ratio Lower Upper
105 100
120 24.6 12.8 38.3

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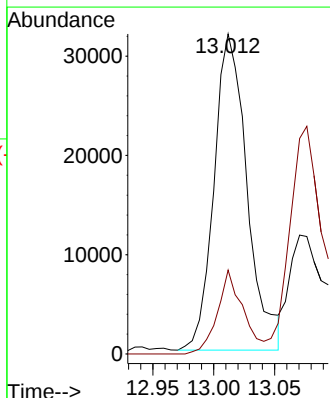
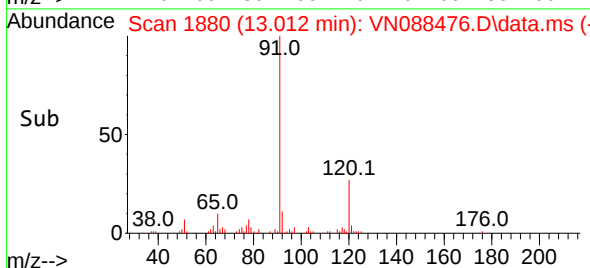
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

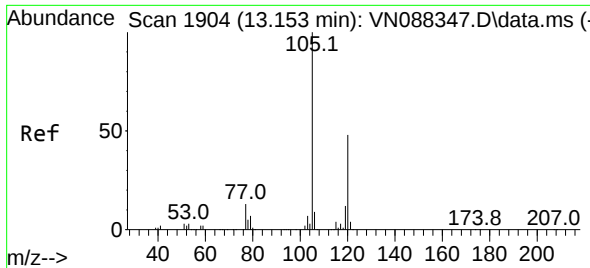


#78
n-propylbenzene
Concen: 3.035 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45



Tgt Ion: 91 Resp: 60289
Ion Ratio Lower Upper
91 100
120 20.7 10.9 32.6





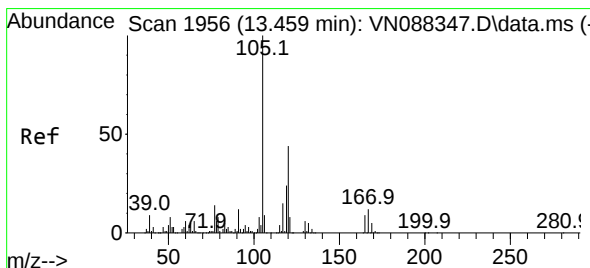
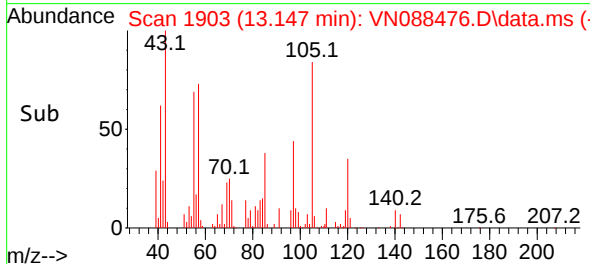
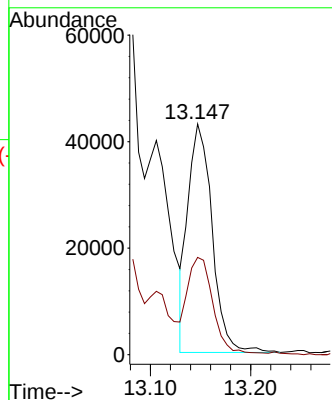
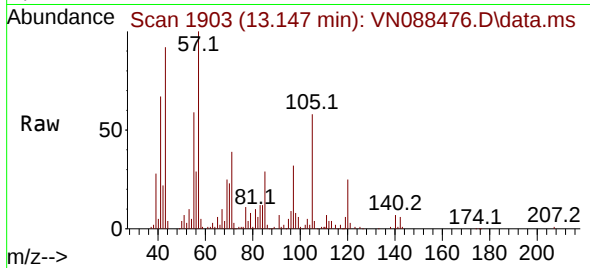
#80
1,3,5-Trimethylbenzene
Concen: 5.342 ug/l
RT: 13.147 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
4207

Tgt Ion:105 Resp: 7188
Ion Ratio Lower Upper
105 100
120 43.4 23.8 71.5

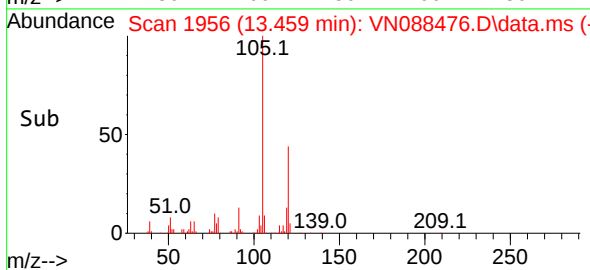
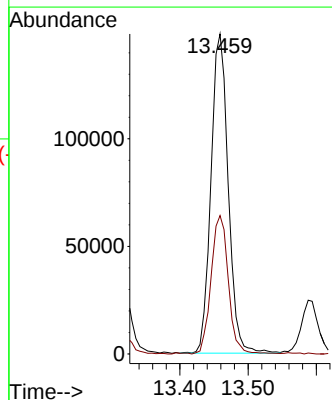
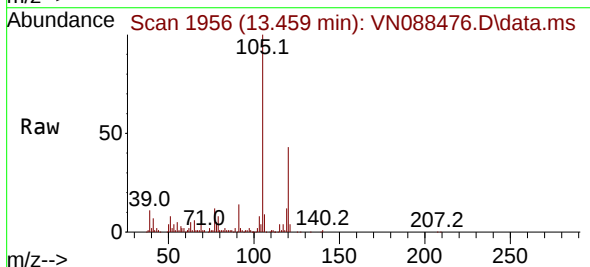
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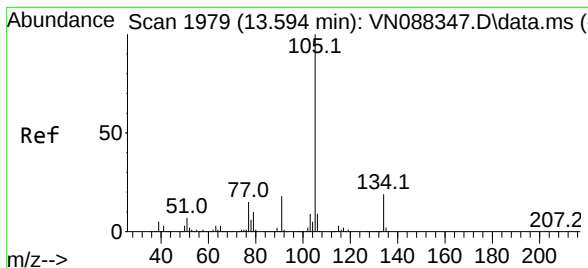
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#84
1,2,4-Trimethylbenzene
Concen: 19.566 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088476.D
Acq: 09 Dec 2025 13:45

Tgt Ion:105 Resp: 261693
Ion Ratio Lower Upper
105 100
120 43.4 22.1 66.1





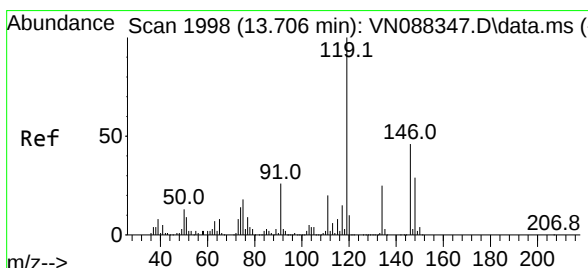
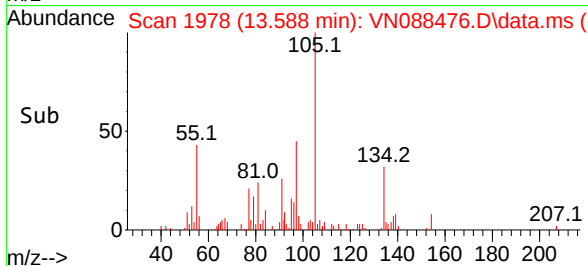
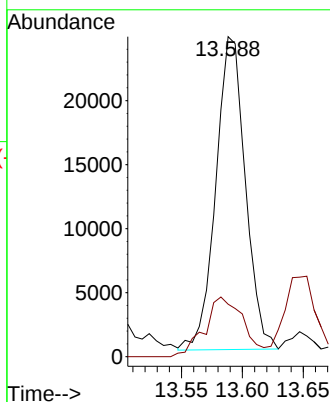
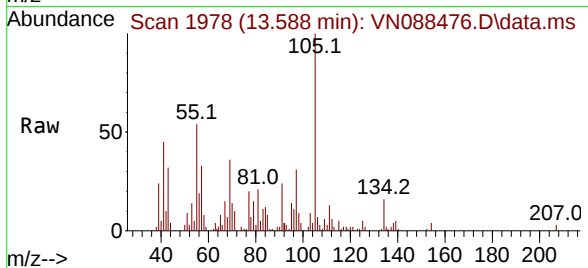
#85
 sec-Butylbenzene
 Concen: 2.514 ug/l
 RT: 13.588 min Scan# 1978
 Delta R.T. -0.006 min
 Lab File: VN088476.D
 Acq: 09 Dec 2025 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 4207

Tgt Ion:105 Resp: 4131
 Ion Ratio Lower Upper
 105 100
 134 24.8 9.5 28.5

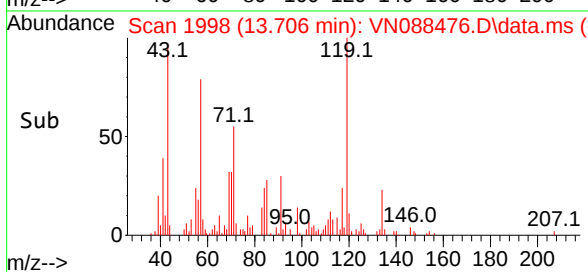
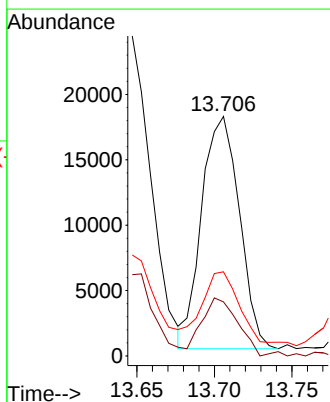
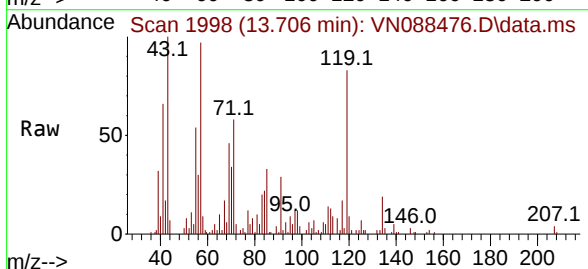
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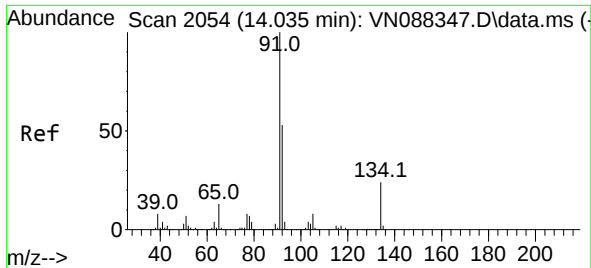
Reviewed By :John Carlone 12/10/2025
 Supervised By :Mahesh Dadoda 12/11/2025



#86
 p-Isopropyltoluene
 Concen: 2.238 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088476.D
 Acq: 09 Dec 2025 13:45

Tgt Ion:119 Resp: 30156
 Ion Ratio Lower Upper
 119 100
 134 22.2 12.2 36.6
 91 32.6 13.0 39.0





#89

n-Butylbenzene

Concen: 4.822 ug/l m

RT: 14.029 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN088476.D

Acq: 09 Dec 2025 13:45

Instrument :

MSVOA_N

ClientSampleId :

4207

Tgt Ion: 91 Resp: 63090

Ion Ratio Lower Upper

91 100

92 60.7 26.1 78.3

134 0.0 11.7 35.1

Manual Integrations

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Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/11/2025

