

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088478.D
 Acq On : 09 Dec 2025 14:26
 Operator : JC\MD
 Sample : Q3809-01
 Misc : 2.73g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-1

Manual Integrations
 APPROVED

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

Quant Time: Dec 10 05:07:23 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	221133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	505681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	477209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	244341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	251607	60.400	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.800%			
35) Dibromofluoromethane	8.141	113	174864	49.899	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.800%			
50) Toluene-d8	10.541	98	663914	50.918	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.840%			
62) 4-Bromofluorobenzene	12.829	95	248853	55.623	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.240%			
Target Compounds					Qvalue	
3) Chloromethane	2.383	50	5257	1.474	ug/l	96
39) Methylcyclohexane	9.576	83	75405	13.035	ug/l #	84
52) Toluene	10.606	92	470776	51.363	ug/l	99
67) Ethyl Benzene	11.941	91	810311	43.252	ug/l	99
68) m/p-Xylenes	12.041	106	1261723	181.642	ug/l	97
69) o-Xylene	12.370	106	475413	71.790	ug/l	98
73) Isopropylbenzene	12.670	105	104609	5.790	ug/l	99
78) n-propylbenzene	13.012	91	592996	26.830	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	751308	50.186	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	2691875	180.906	ug/l	98
85) sec-Butylbenzene	13.588	105	57994m	3.172	ug/l	
86) p-Isopropyltoluene	13.700	119	30914m	2.062	ug/l	
89) n-Butylbenzene	14.029	91	131041	9.003	ug/l #	81
95) Naphthalene	15.611	128	711127	45.612	ug/l	99

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

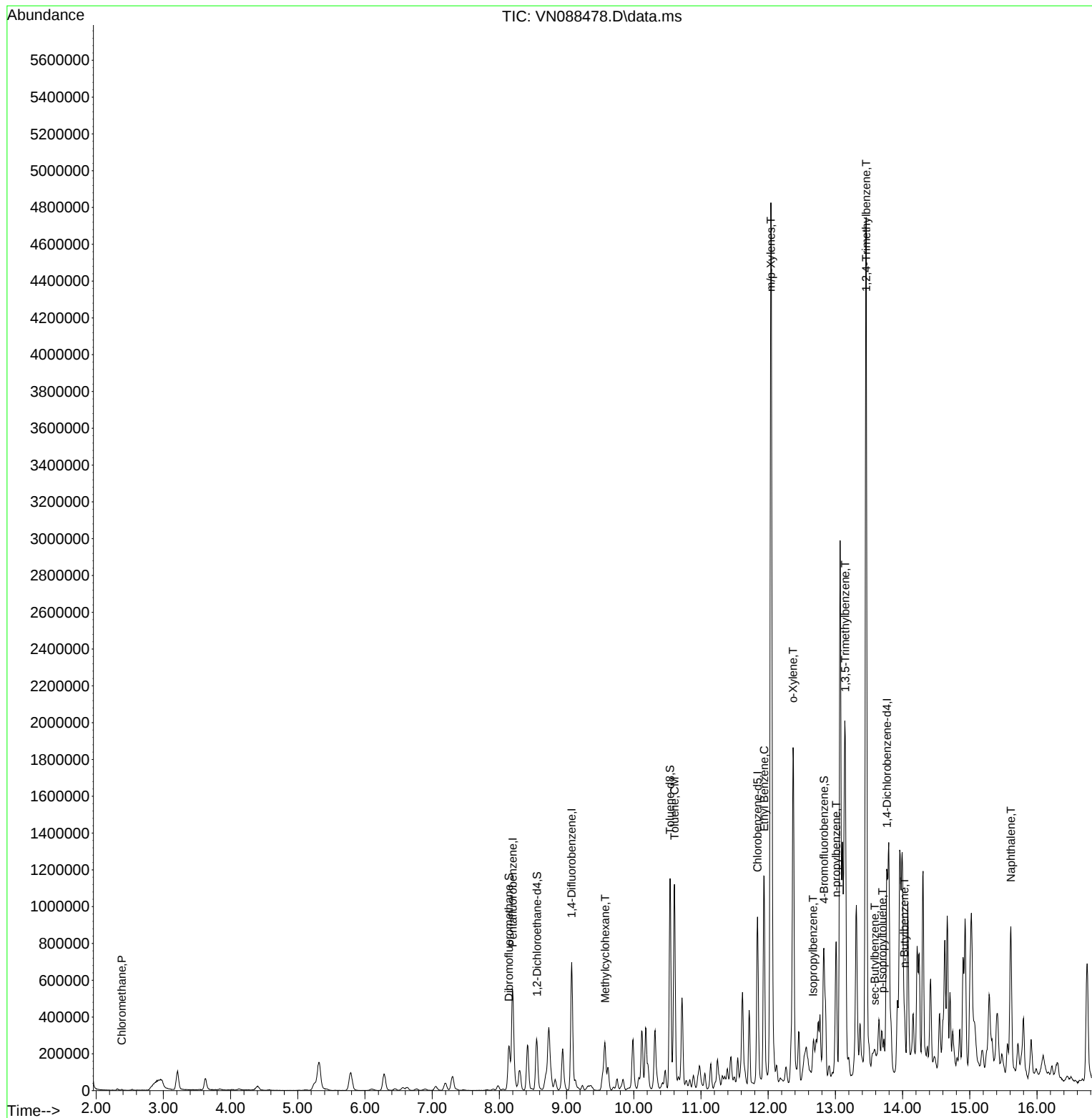
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088478.D
Acq On : 09 Dec 2025 14:26
Operator : JC\MD
Sample : Q3809-01
Misc : 2.73g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

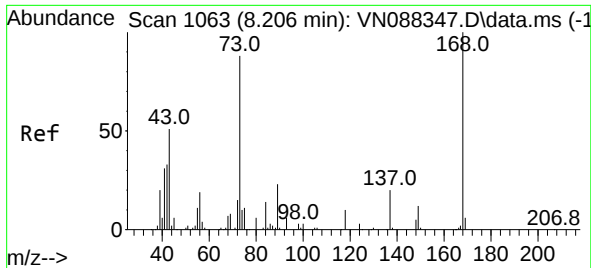
Instrument :
MSVOA_N
ClientSampleId :
SW-1

Quant Time: Dec 10 05:07:23 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

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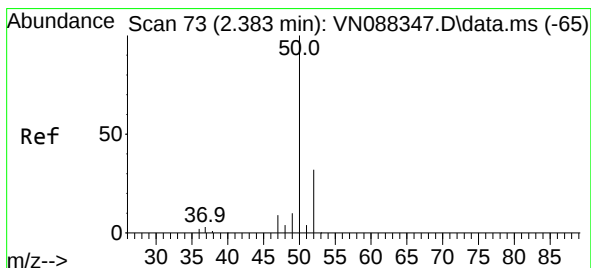
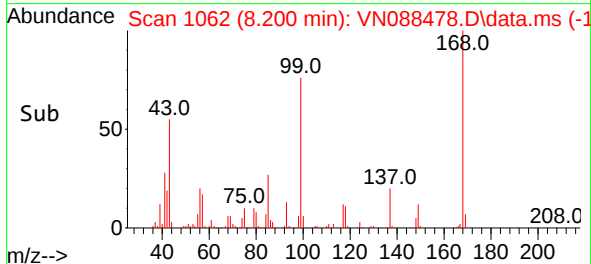
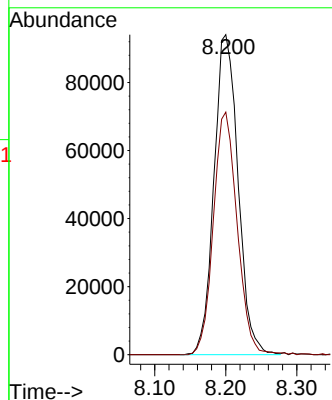
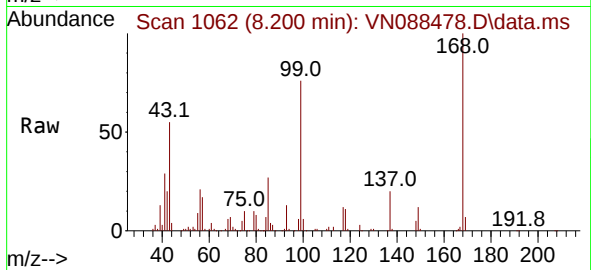
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
SW-1

Tgt Ion:168 Resp: 22113
Ion Ratio Lower Upper
168 100
99 75.8 57.1 85.7

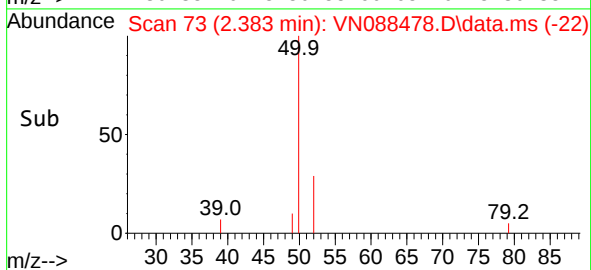
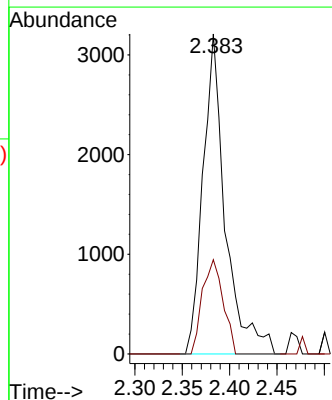
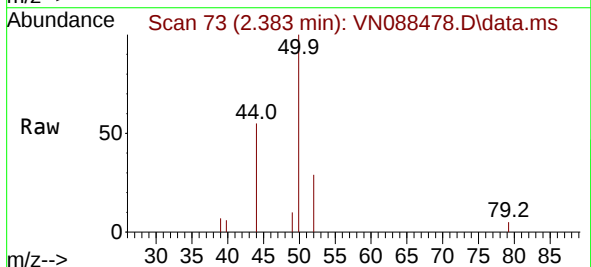
Manual Integrations
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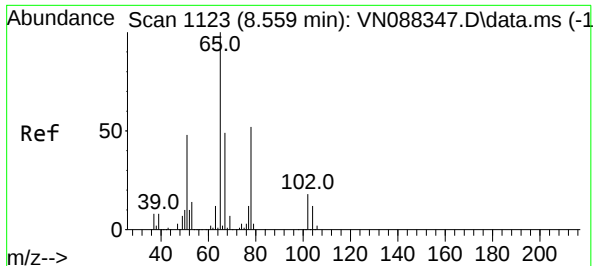
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#3
Chloromethane
Concen: 1.474 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

Tgt Ion: 50 Resp: 5257
Ion Ratio Lower Upper
50 100
52 29.4 25.2 37.8





#33

1,2-Dichloroethane-d4

Concen: 60.400 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088478.D

Acq: 09 Dec 2025 14:26

Instrument :

MSVOA_N

ClientSampleId :

SW-1

Tgt Ion: 65 Resp: 25160

Ion Ratio Lower Upper

65 100

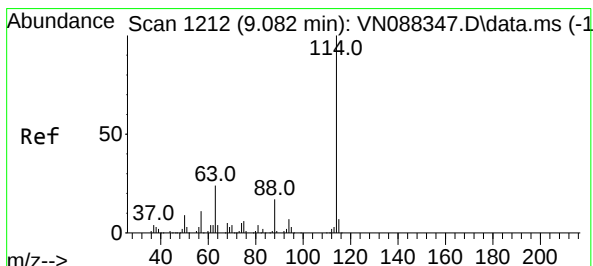
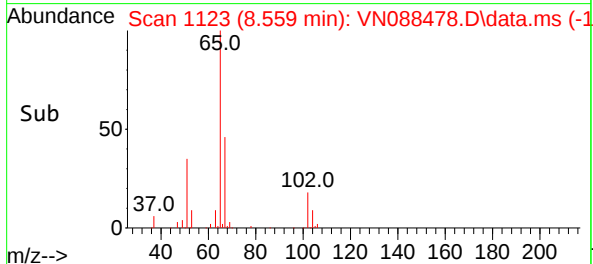
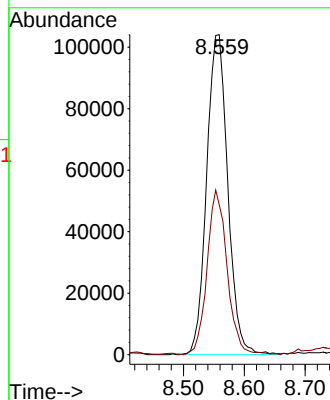
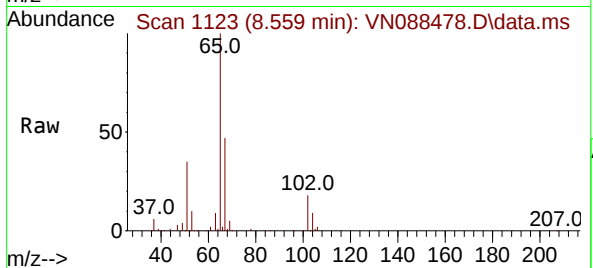
67 48.8 0.0 100.8

Manual Integrations

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Supervised By :Mahesh Dadoda 12/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.076 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088478.D

Acq: 09 Dec 2025 14:26

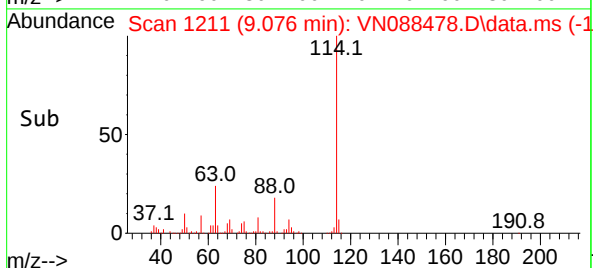
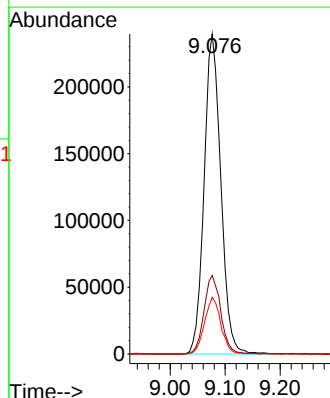
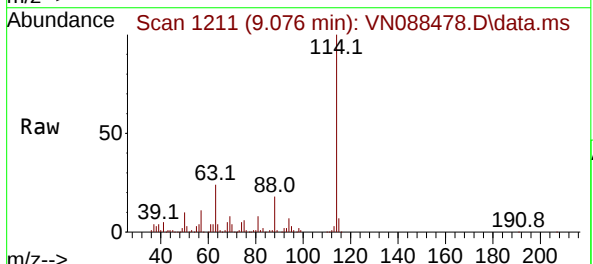
Tgt Ion:114 Resp: 505681

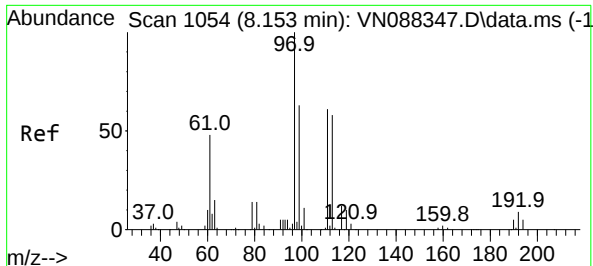
Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.0

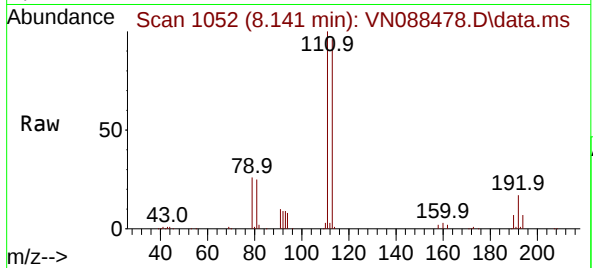
88 17.7 0.0 34.0





#35
Dibromofluoromethane
Concen: 49.899 ug/l
RT: 8.141 min Scan# 1052
Delta R.T. -0.012 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

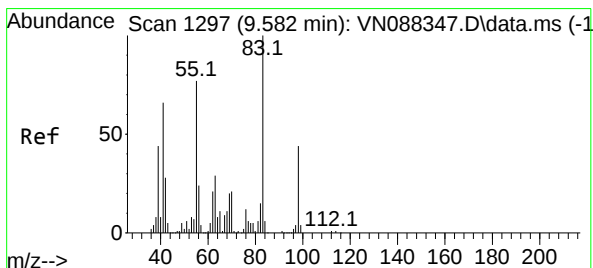
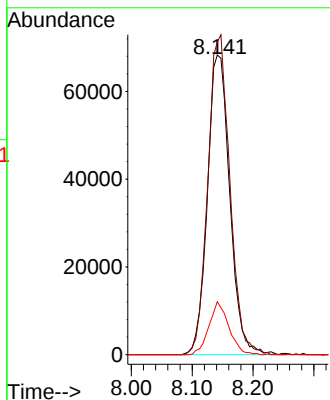
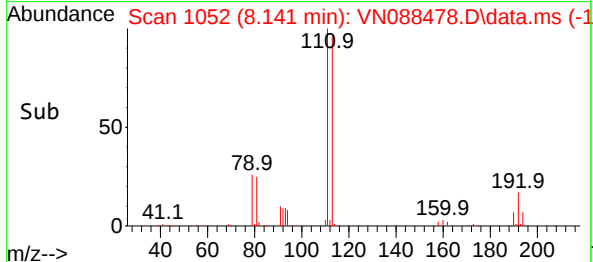
Instrument :
MSVOA_N
ClientSampleId :
SW-1



Tgt Ion: 113 Resp: 174864
Ion Ratio Lower Upper
113 100
111 104.8 82.5 123.7
192 15.7 12.8 19.2

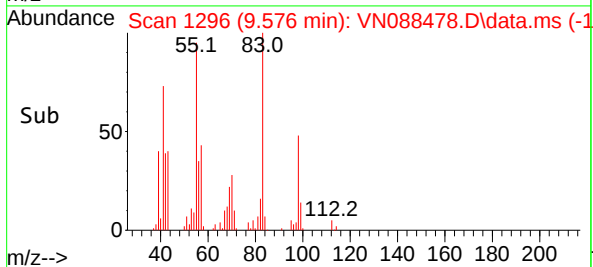
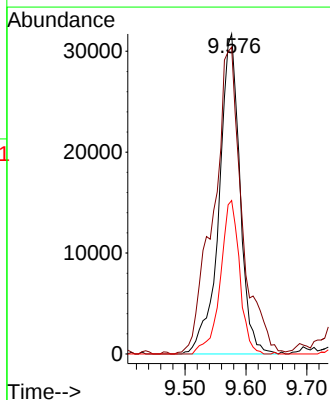
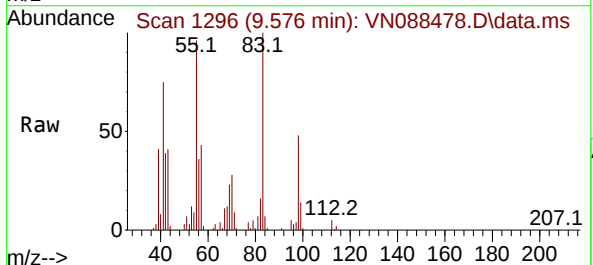
Manual Integrations
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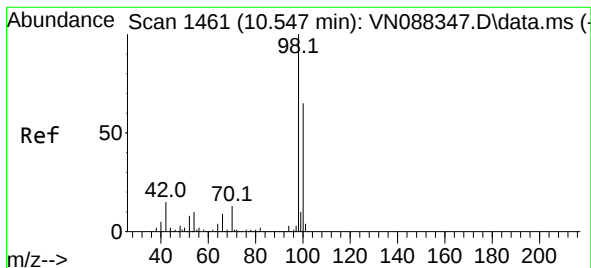
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#39
Methylcyclohexane
Concen: 13.035 ug/l
RT: 9.576 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

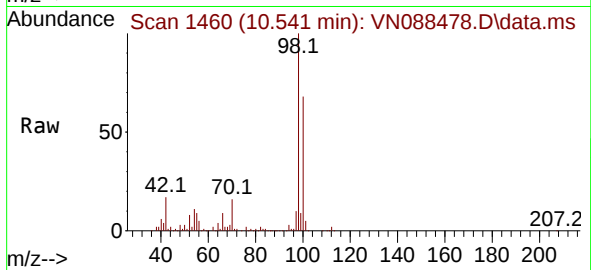
Tgt Ion: 83 Resp: 75405
Ion Ratio Lower Upper
83 100
55 95.4 61.6 92.4#
98 48.0 35.3 52.9





#50
Toluene-d8
Concen: 50.918 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

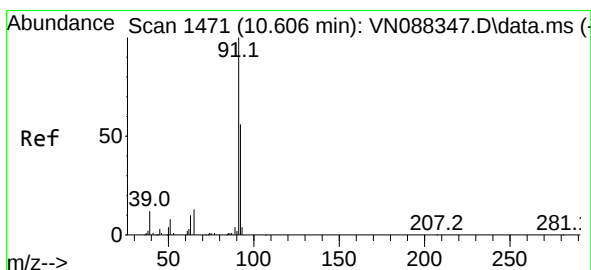
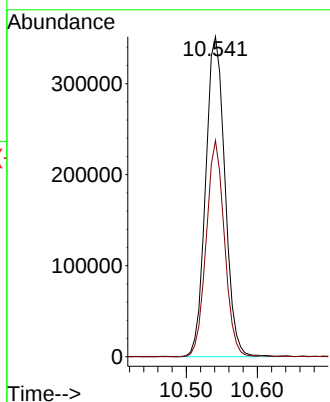
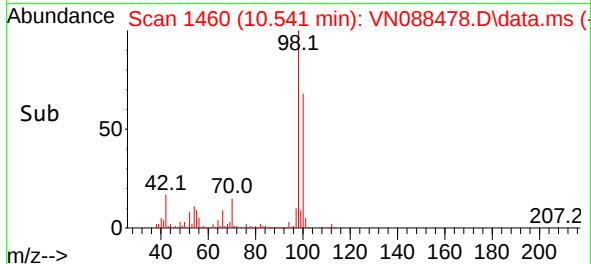
Instrument :
MSVOA_N
ClientSampleId :
SW-1



Tgt Ion: 98 Resp: 663914
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2

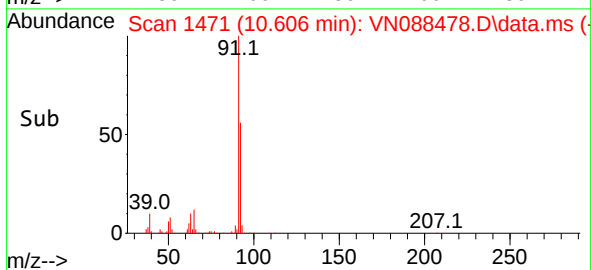
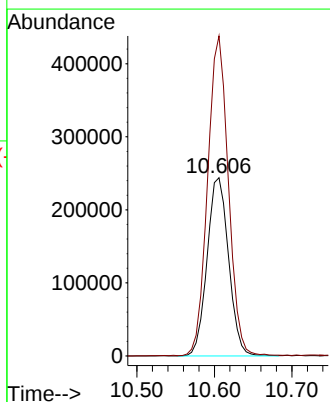
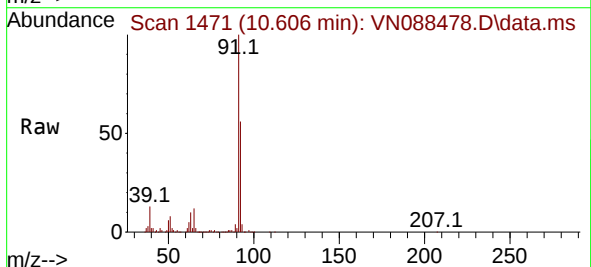
Manual Integrations
APPROVED

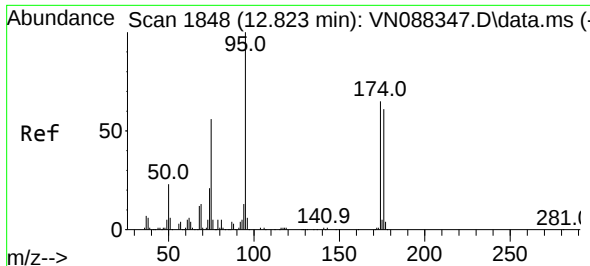
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#52
Toluene
Concen: 51.363 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

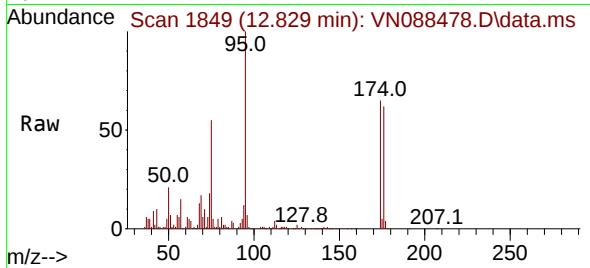
Tgt Ion: 92 Resp: 470776
Ion Ratio Lower Upper
92 100
91 174.0 140.2 210.2





#62
4-Bromofluorobenzene
Concen: 55.623 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

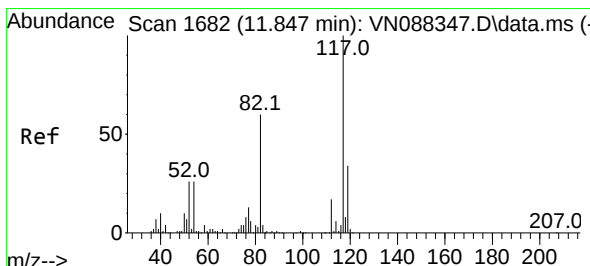
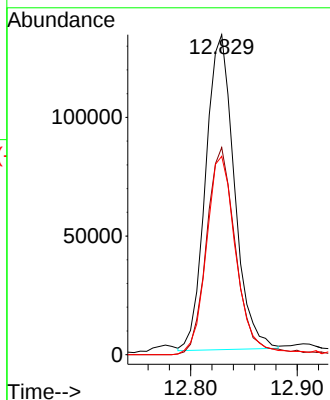
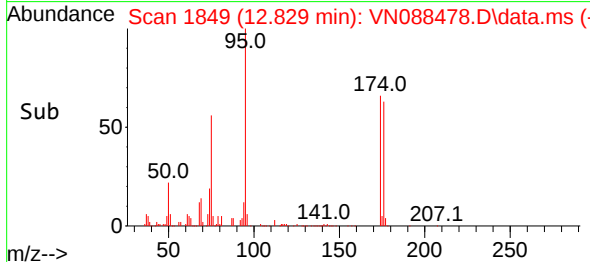
Instrument :
MSVOA_N
ClientSampleId :
SW-1



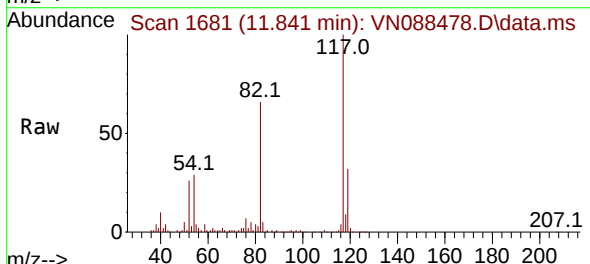
Tgt Ion: 95 Resp: 24885
Ion Ratio Lower Upper
95 100
174 67.9 0.0 139.0
176 66.0 0.0 132.4

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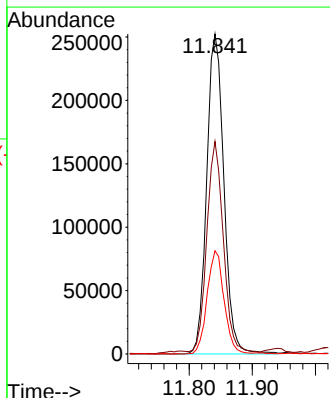
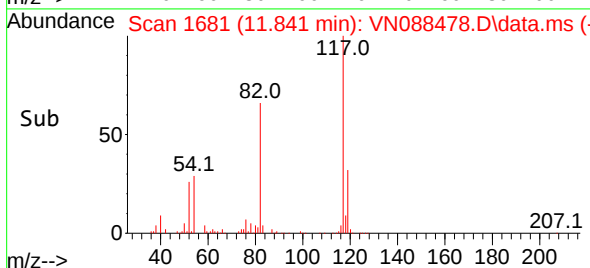
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

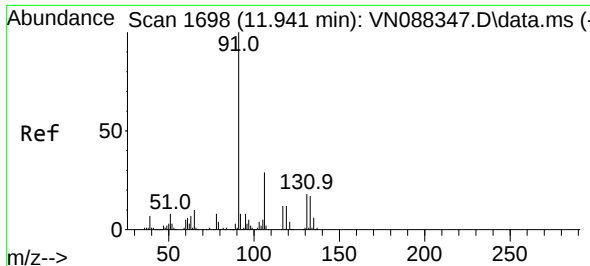


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26



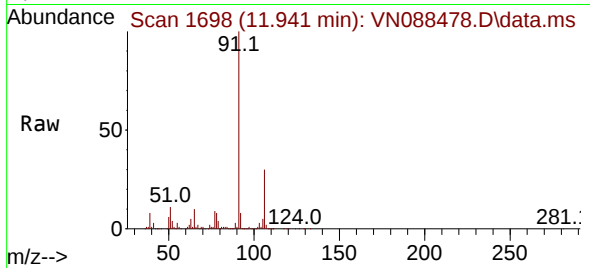
Tgt Ion:117 Resp: 477209
Ion Ratio Lower Upper
117 100
82 65.5 47.8 71.8
119 32.2 26.9 40.3





#67
Ethyl Benzene
Concen: 43.252 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

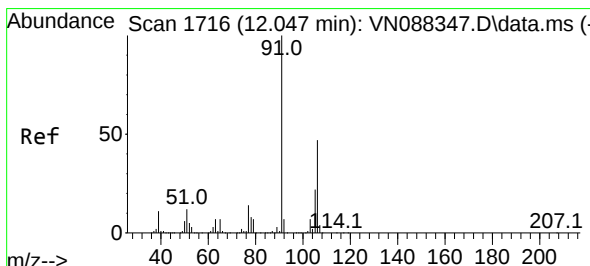
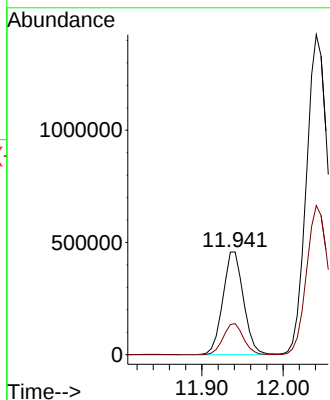
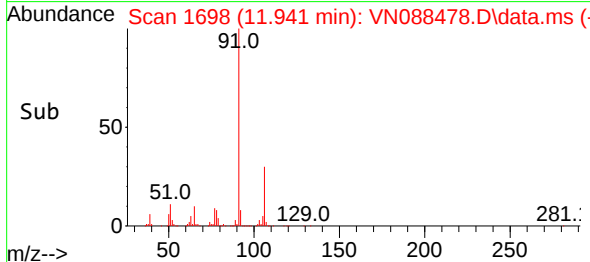
Instrument :
MSVOA_N
ClientSampleId :
SW-1



Tgt Ion: 91 Resp: 81031
Ion Ratio Lower Upper
91 100
106 30.3 23.6 35.4

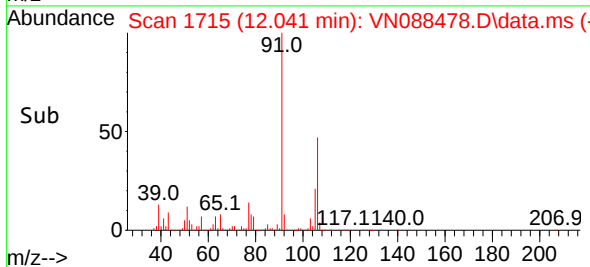
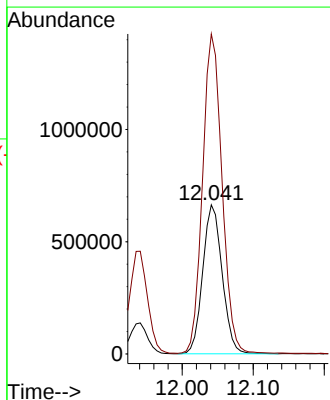
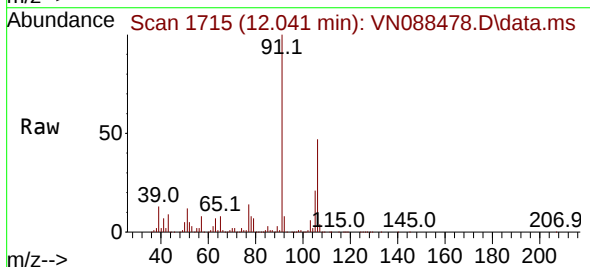
Manual Integrations
APPROVED

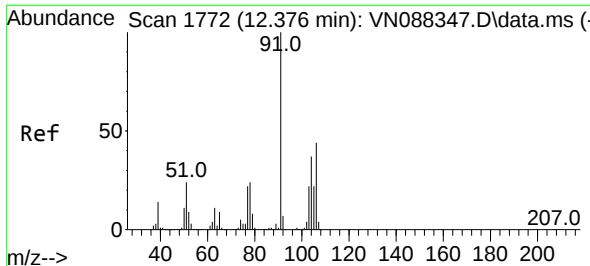
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#68
m/p-Xylenes
Concen: 181.642 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

Tgt Ion:106 Resp: 1261723
Ion Ratio Lower Upper
106 100
91 215.1 167.8 251.6





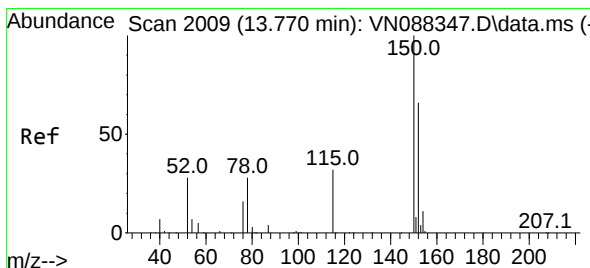
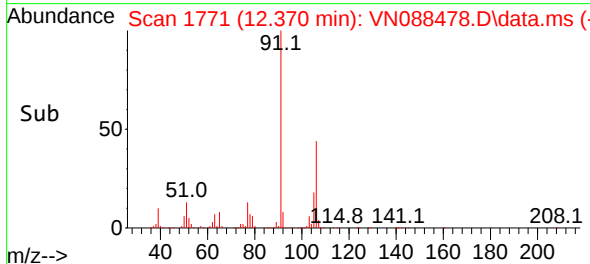
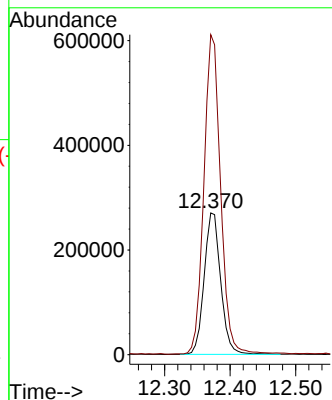
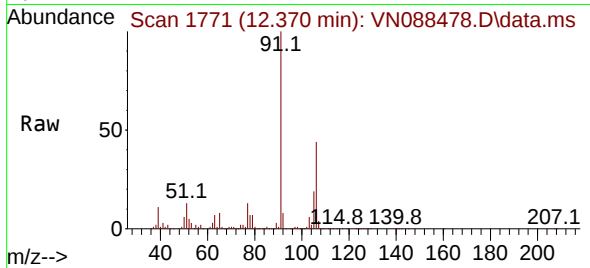
#69
o-Xylene
Concen: 71.790 ug/l
RT: 12.370 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
SW-1

Tgt Ion:106 Resp: 47541
Ion Ratio Lower Upper
106 100
91 228.4 112.9 338.7

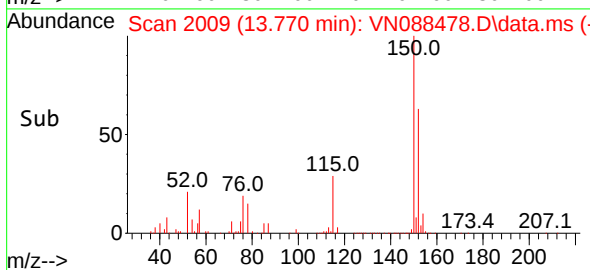
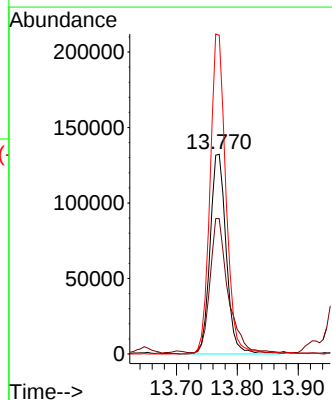
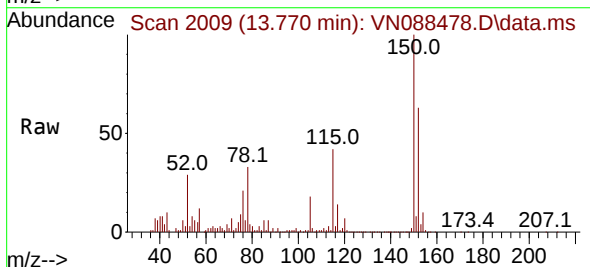
Manual Integrations
APPROVED

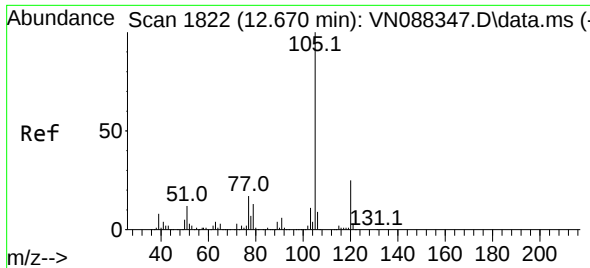
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

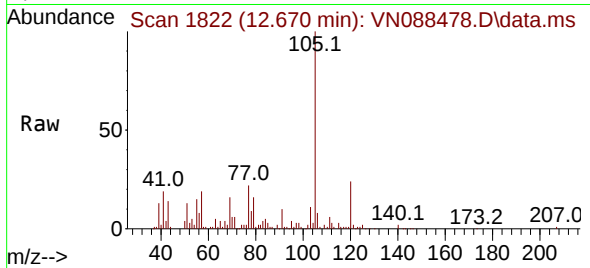
Tgt Ion:152 Resp: 244341
Ion Ratio Lower Upper
152 100
115 75.3 33.0 98.9
150 156.8 0.0 349.0





#73
Isopropylbenzene
Concen: 5.790 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

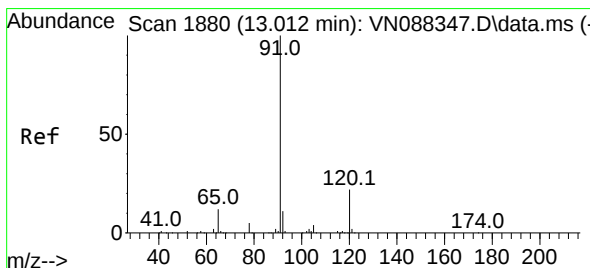
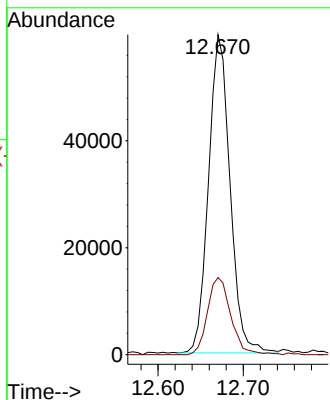
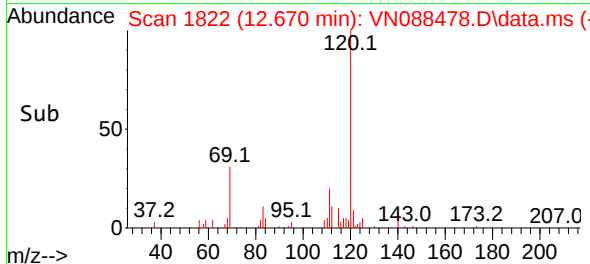
Instrument :
MSVOA_N
ClientSampleId :
SW-1



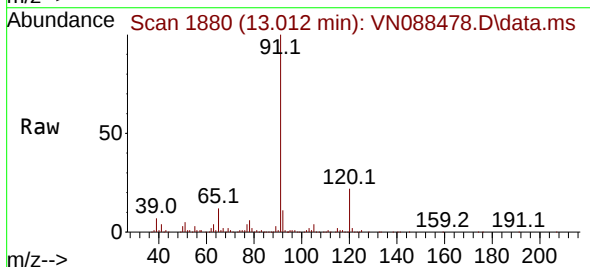
Tgt Ion:105 Resp: 104609
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.3

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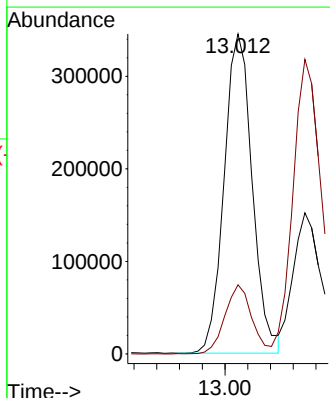
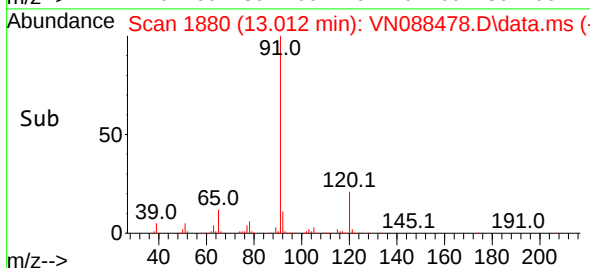
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

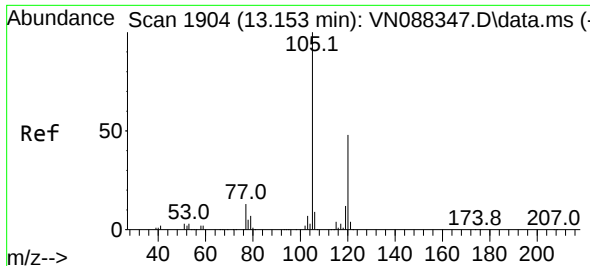


#78
n-propylbenzene
Concen: 26.830 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26



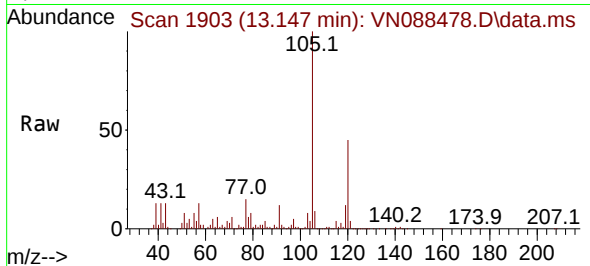
Tgt Ion: 91 Resp: 592996
Ion Ratio Lower Upper
91 100
120 20.8 10.9 32.6





#80
1,3,5-Trimethylbenzene
Concen: 50.186 ug/l
RT: 13.147 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

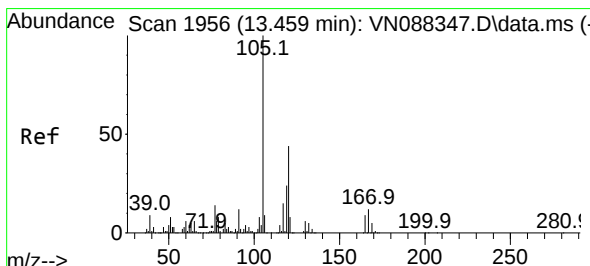
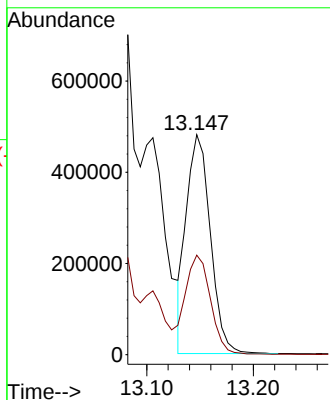
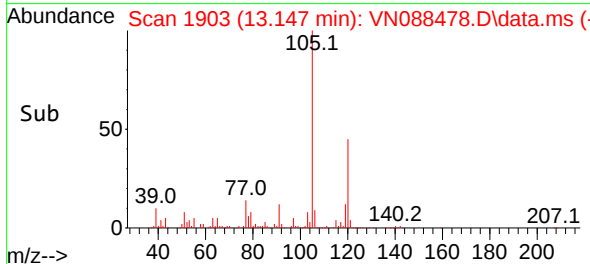
Instrument :
MSVOA_N
ClientSampleId :
SW-1



Tgt Ion:105 Resp: 751308
Ion Ratio Lower Upper
105 100
120 49.2 23.8 71.5

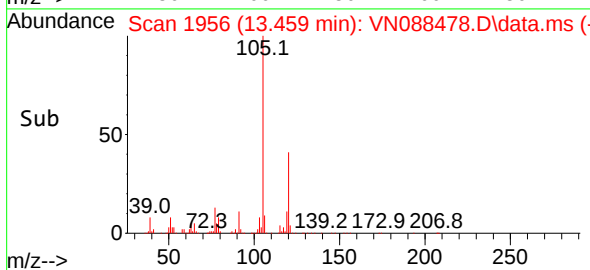
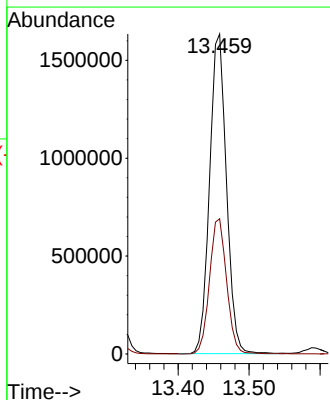
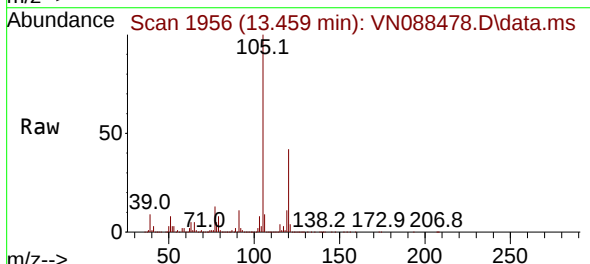
Manual Integrations
APPROVED

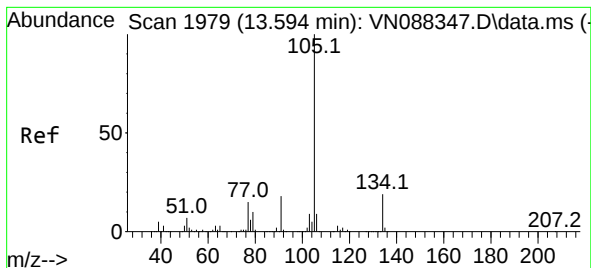
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#84
1,2,4-Trimethylbenzene
Concen: 180.906 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088478.D
Acq: 09 Dec 2025 14:26

Tgt Ion:105 Resp: 2691875
Ion Ratio Lower Upper
105 100
120 42.9 22.1 66.1





#85

sec-Butylbenzene

Concen: 3.172 ug/l m

RT: 13.588 min Scan# 1978

Delta R.T. -0.006 min

Lab File: VN088478.D

Acq: 09 Dec 2025 14:26

Instrument :

MSVOA_N

ClientSampleId :

SW-1

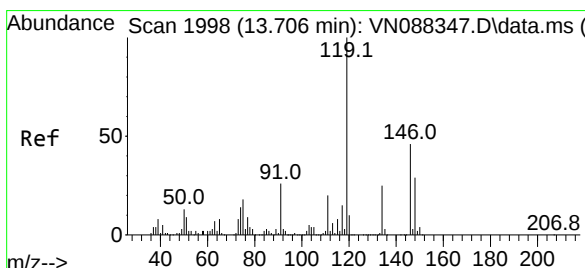
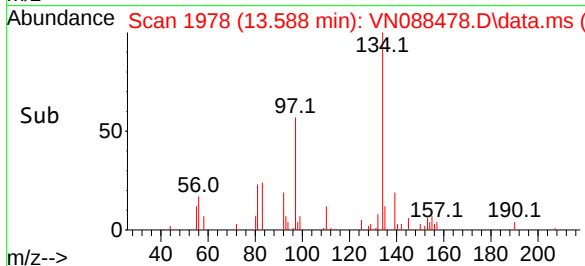
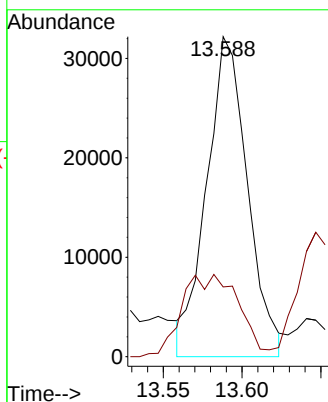
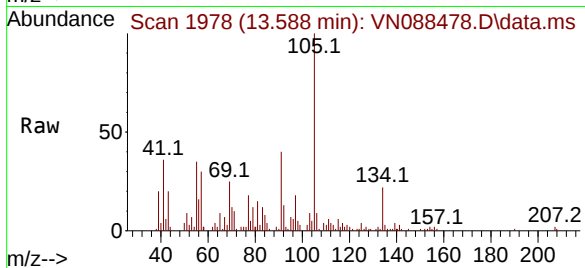
Tgt Ion:105 Resp: 57994
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/11/2025



#86

p-Isopropyltoluene

Concen: 2.062 ug/l m

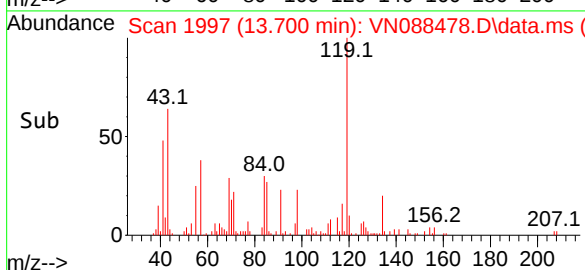
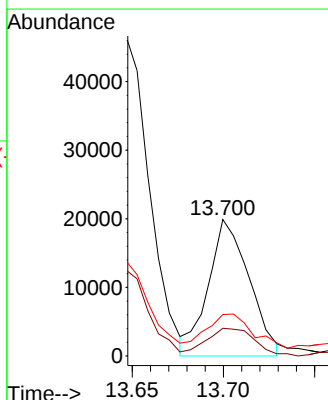
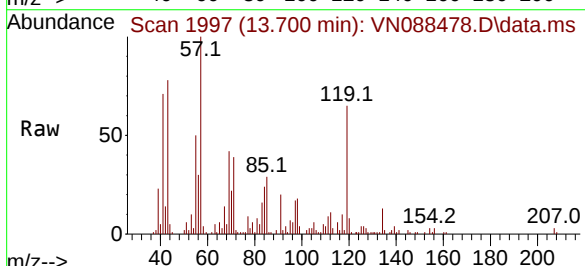
RT: 13.700 min Scan# 1997

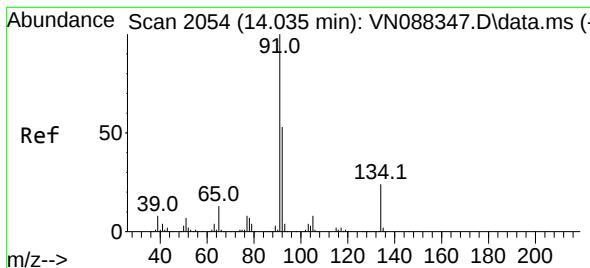
Delta R.T. -0.006 min

Lab File: VN088478.D

Acq: 09 Dec 2025 14:26

Tgt Ion:119 Resp: 30914
 Ion Ratio Lower Upper
 119 100
 134 61.4 12.2 36.6#
 91 59.5 13.0 39.0#





#89

n-Butylbenzene

Concen: 9.003 ug/l

RT: 14.029 min Scan# 2054

Delta R.T. -0.006 min

Lab File: VN088478.D

Acq: 09 Dec 2025 14:26

Instrument :

MSVOA_N

ClientSampleId :

SW-1

Tgt Ion: 91 Resp: 13104

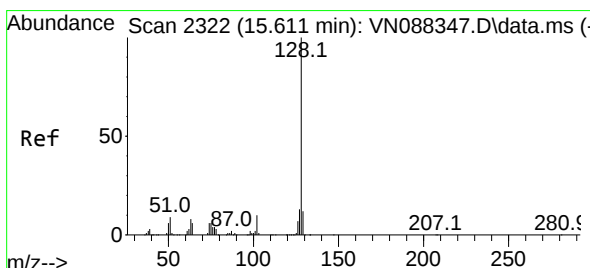
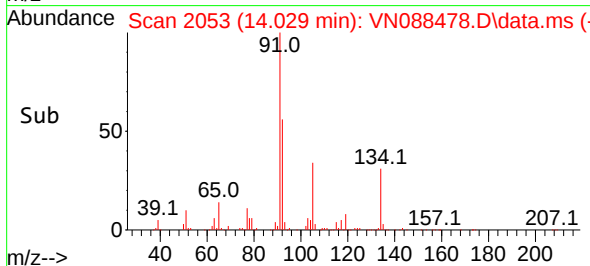
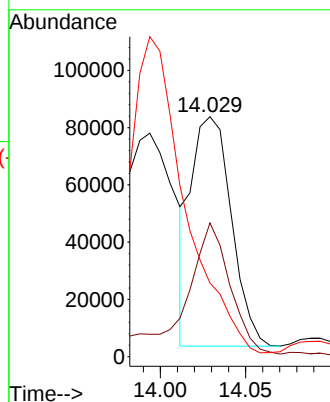
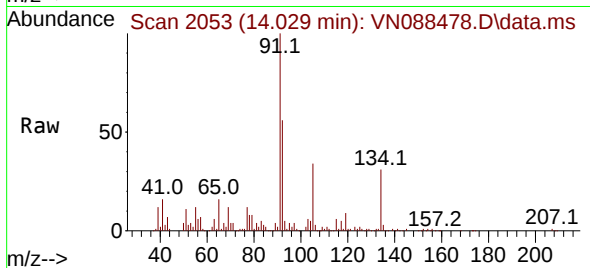
Ion	Ratio	Lower	Upper
91	100		
92	56.4	26.1	78.3
134	0.0	11.7	35.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/11/2025



#95

Naphthalene

Concen: 45.612 ug/l

RT: 15.611 min Scan# 2322

Delta R.T. -0.000 min

Lab File: VN088478.D

Acq: 09 Dec 2025 14:26

Tgt Ion:128 Resp: 711127

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	9.0	13.6

