

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092925\
 Data File : VN087984.D
 Acq On : 29 Sep 2025 15:50
 Operator : JC\MD
 Sample : Q3188-01
 Misc : 1.14g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 4135

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 03:56:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	209276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	416295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	403794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	171872	48.800	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.600%		
35) Dibromofluoromethane	8.147	113	145368	48.095	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.180%		
50) Toluene-d8	10.547	98	527266	49.606	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.220%		
62) 4-Bromofluorobenzene	12.829	95	186939	49.203	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.400%		
Target Compounds						Qvalue
16) Acetone	4.436	43	54644	37.709	ug/l	97
20) Methylene Chloride	5.224	84	3838	1.309	ug/l #	67
39) Methylcyclohexane	9.571	83	55440	13.828	ug/l	97
52) Toluene	10.606	92	17410146	2305.514	ug/l #	1
67) Ethyl Benzene	11.941	91	746105	52.035	ug/l	98
68) m/p-Xylenes	12.047	106	1364839	248.887	ug/l	99
69) o-Xylene	12.376	106	439336	83.388	ug/l	98
73) Isopropylbenzene	12.676	105	21690	1.693	ug/l	86
78) n-propylbenzene	13.018	91	31725	1.980	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	35605m	3.212	ug/l	
84) 1,2,4-Trimethylbenzene	13.459	105	121239	10.664	ug/l	96
89) n-Butylbenzene	14.035	91	48958m	4.447	ug/l	

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

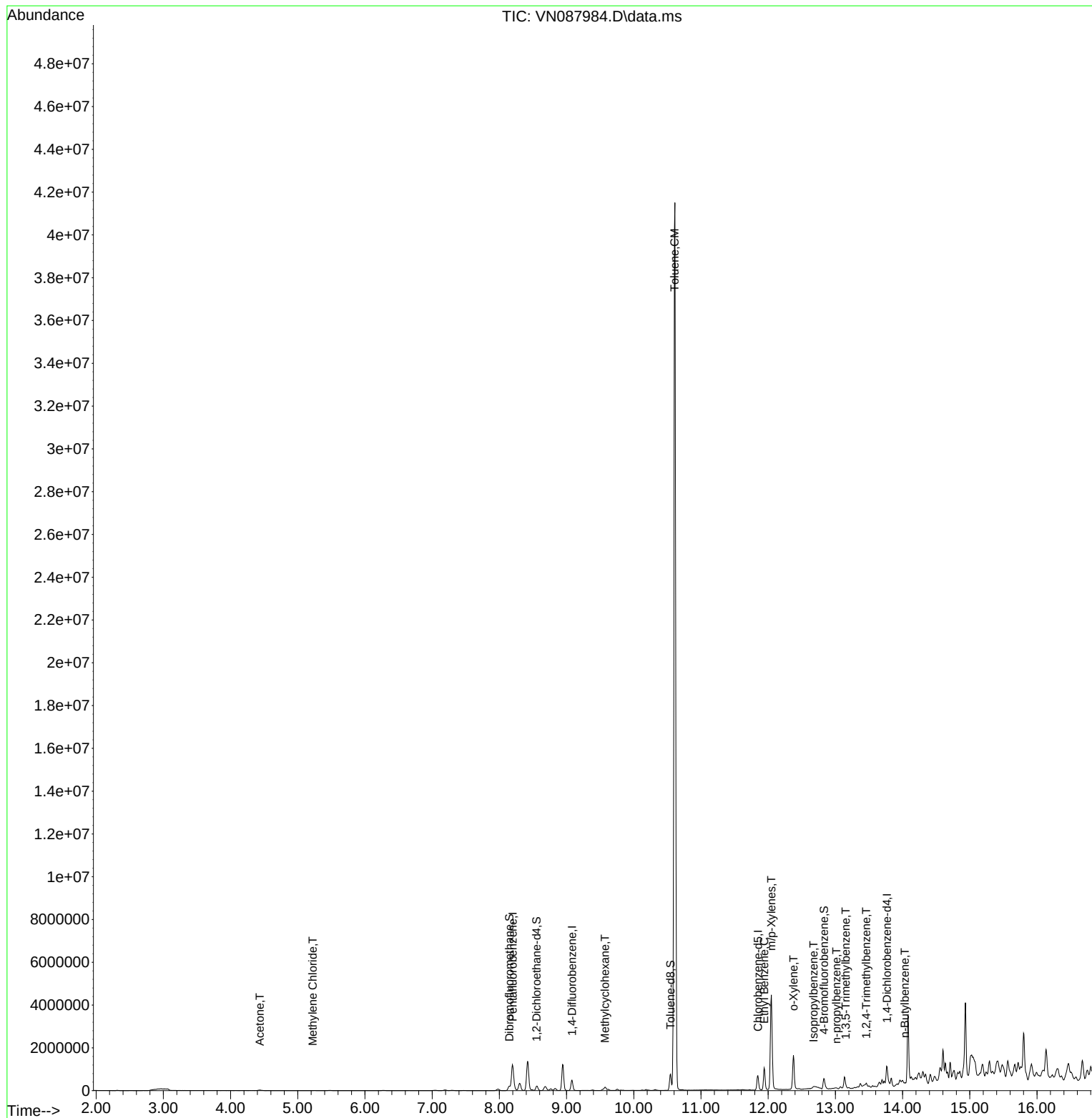
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092925\
Data File : VN087984.D
Acq On : 29 Sep 2025 15:50
Operator : JC\MD
Sample : Q3188-01
Misc : 1.14g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

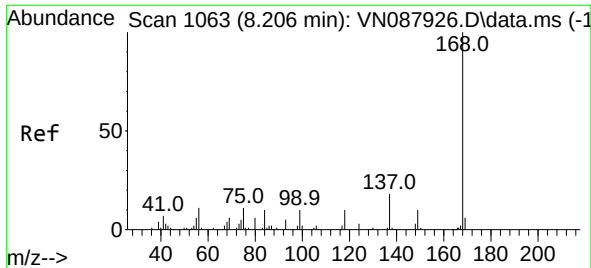
Instrument :
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4135

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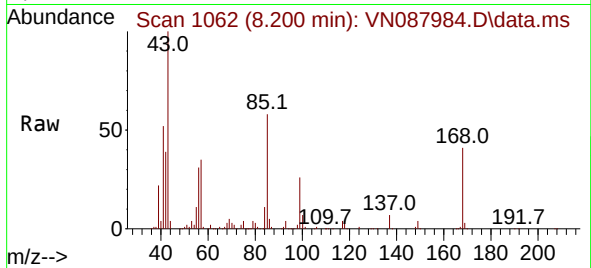
Quant Time: Sep 30 03:56:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

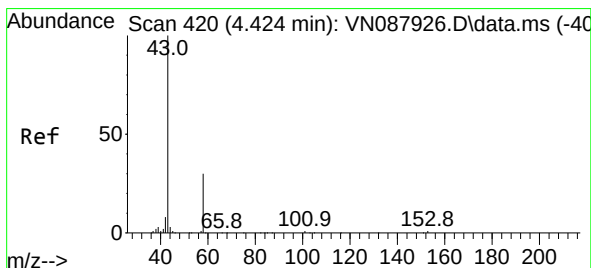
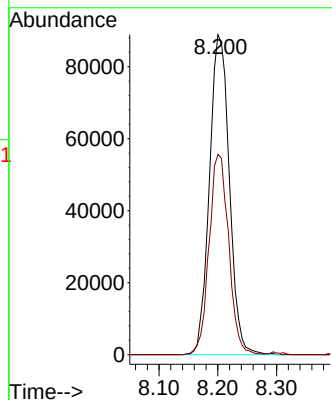
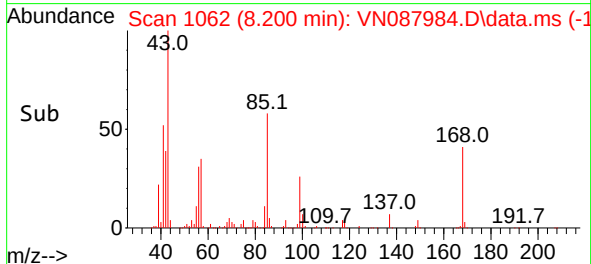
Instrument :
MSVOA_N
ClientSampleId :
4135



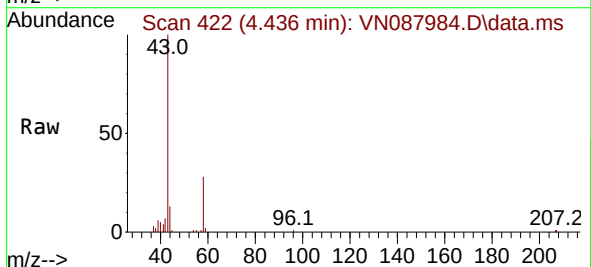
Tgt Ion:168 Resp: 209270
Ion Ratio Lower Upper
168 100
99 62.6 52.2 78.2

Manual Integrations
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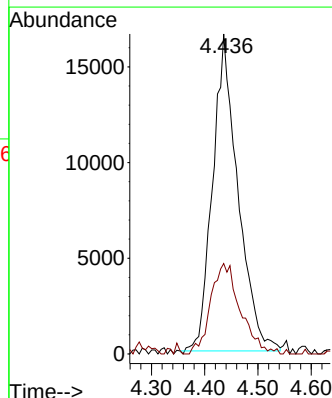
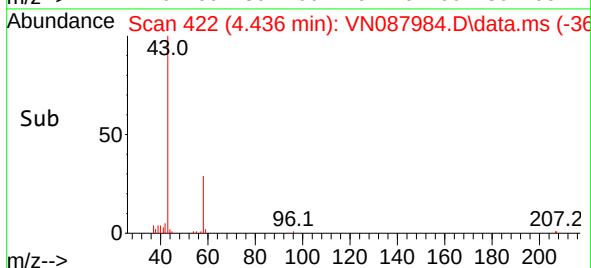
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

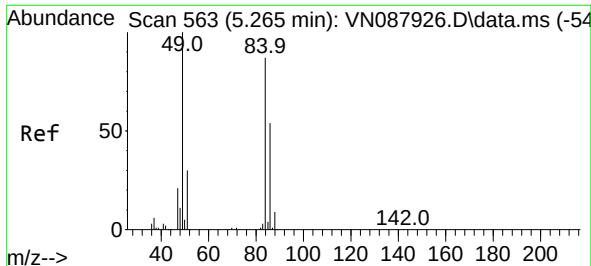


#16
Acetone
Concen: 37.709 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50



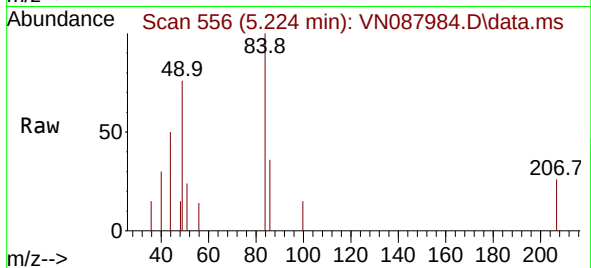
Tgt Ion: 43 Resp: 54644
Ion Ratio Lower Upper
43 100
58 28.5 24.1 36.1





#20
Methylene Chloride
Concen: 1.309 ug/l
RT: 5.224 min Scan# 511
Delta R.T. -0.041 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

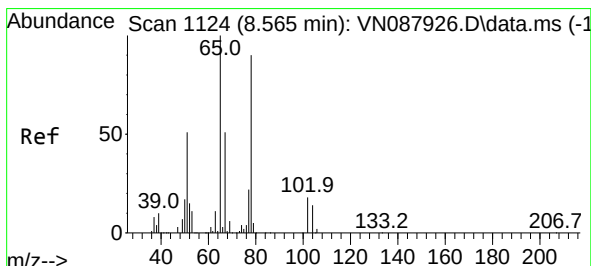
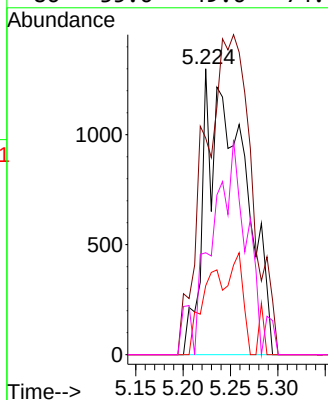
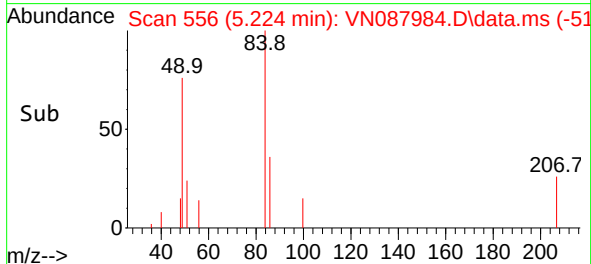
Instrument :
MSVOA_N
ClientSampleId :
4135



Tgt Ion: 84 Resp: 3838
Ion Ratio Lower Upper
84 100
49 75.8 92.1 138.1
51 24.1 27.7 41.5
86 35.6 49.6 74.4

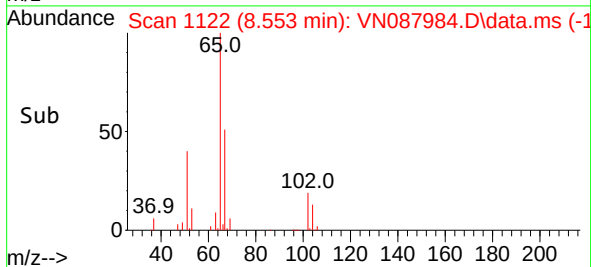
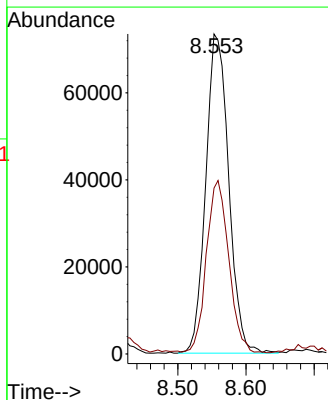
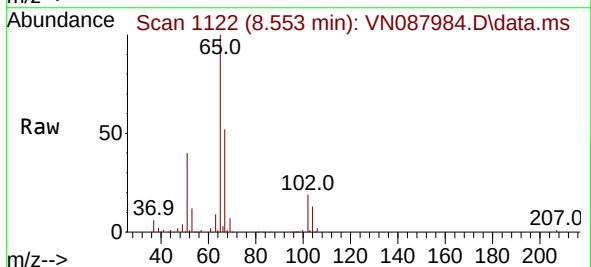
Manual Integrations
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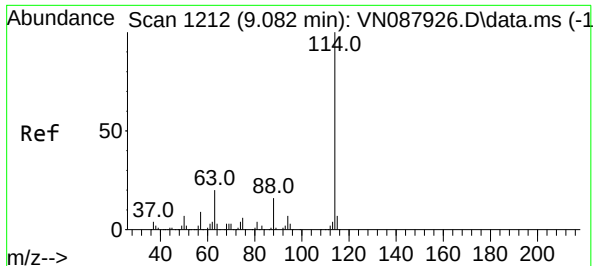
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025



#33
1,2-Dichloroethane-d4
Concen: 48.800 ug/l
RT: 8.553 min Scan# 1122
Delta R.T. -0.012 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

Tgt Ion: 65 Resp: 171872
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN087984.D

Acq: 29 Sep 2025 15:50

Instrument :

MSVOA_N

ClientSampleId :

4135

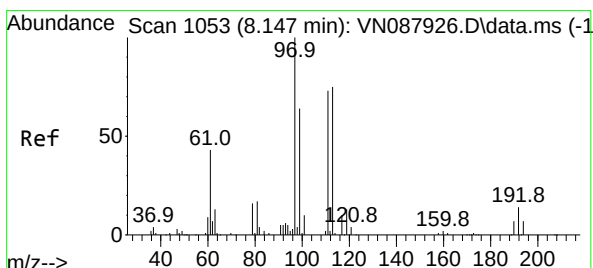
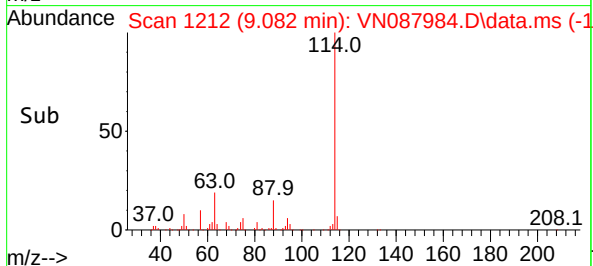
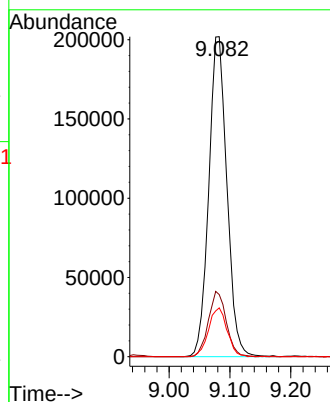
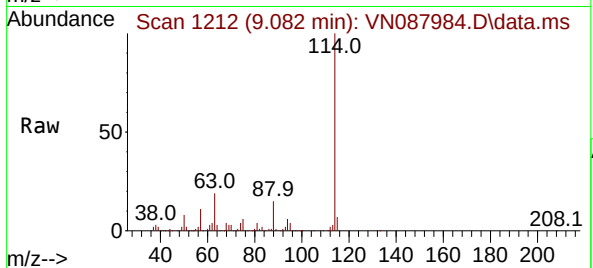
Tgt Ion:	114	Resp:	41629
Ion Ratio	Lower	Upper	
114	100		
63	19.4	0.0	40.0
88	15.2	0.0	31.8

Manual Integrations

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Reviewed By :John Carlone 09/30/2025

Supervised By :Mahesh Dadoda 10/03/2025



#35

Dibromofluoromethane

Concen: 48.095 ug/l

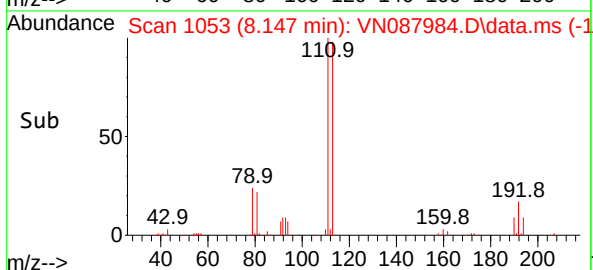
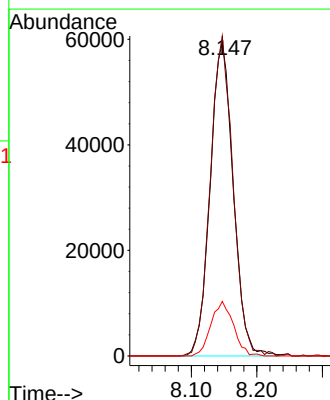
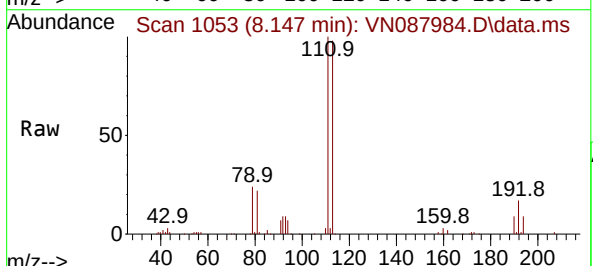
RT: 8.147 min Scan# 1053

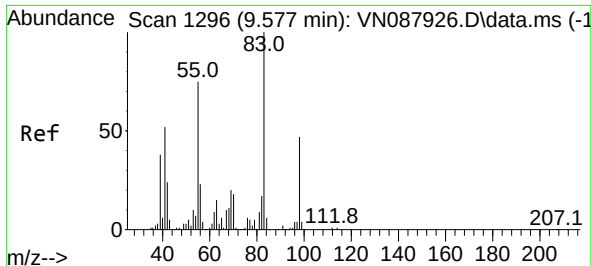
Delta R.T. 0.000 min

Lab File: VN087984.D

Acq: 29 Sep 2025 15:50

Tgt Ion:	113	Resp:	145368
Ion Ratio	Lower	Upper	
113	100		
111	100.5	82.2	123.2
192	16.9	14.2	21.2





#39

Methylcyclohexane

Concen: 13.828 ug/l

RT: 9.571 min Scan# 1295

Delta R.T. -0.006 min

Lab File: VN087984.D

Acq: 29 Sep 2025 15:50

Instrument :

MSVOA_N

ClientSampleId :

4135

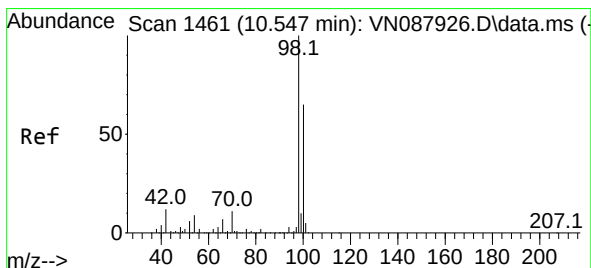
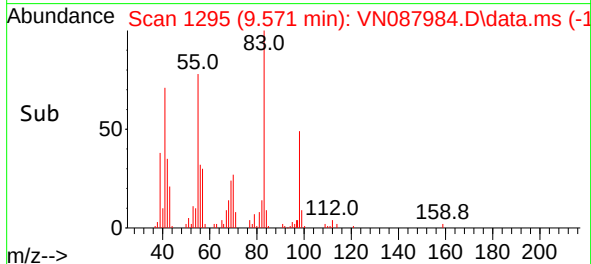
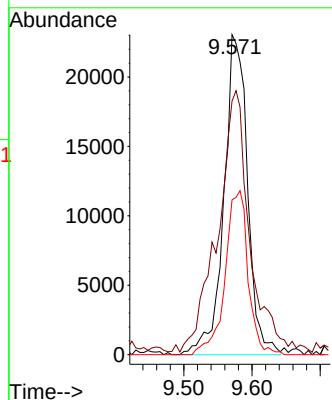
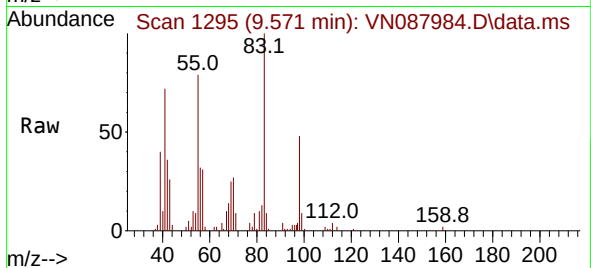
Tgt Ion: 83	Resp: 55440
Ion Ratio	Lower Upper
83 100	
55 78.4	59.9 89.9
98 48.4	37.4 56.2

Manual Integrations

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Reviewed By :John Carlone 09/30/2025

Supervised By :Mahesh Dadoda 10/03/2025



#50

Toluene-d8

Concen: 49.606 ug/l

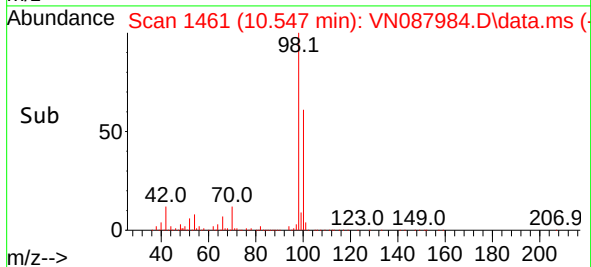
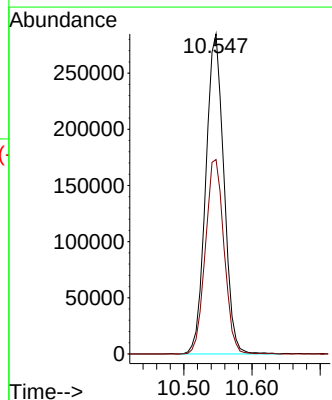
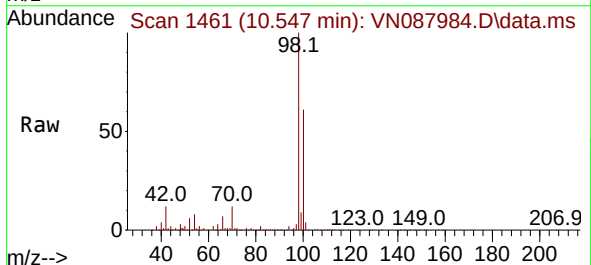
RT: 10.547 min Scan# 1461

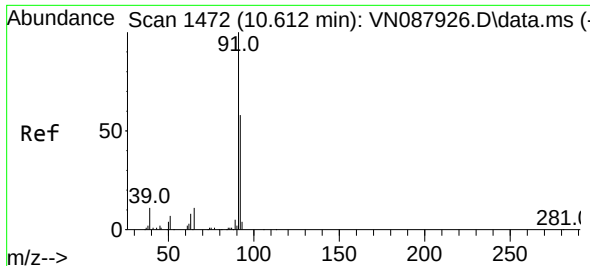
Delta R.T. 0.000 min

Lab File: VN087984.D

Acq: 29 Sep 2025 15:50

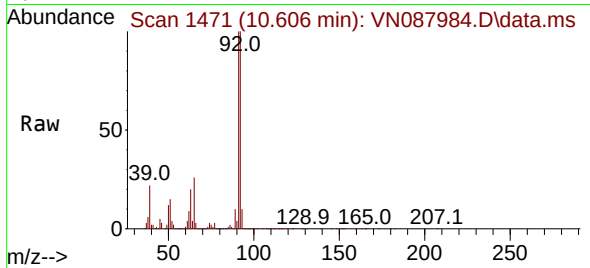
Tgt Ion: 98	Resp: 527266
Ion Ratio	Lower Upper
98 100	
100 62.5	51.7 77.5





#52
Toluene
Concen: 2305.514 ug/l
RT: 10.606 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

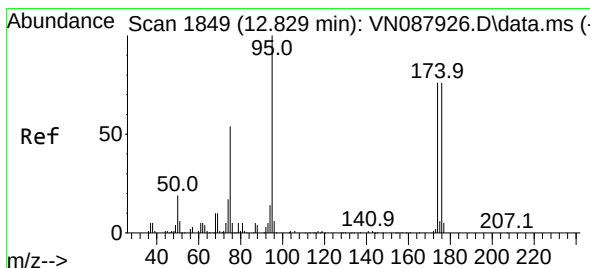
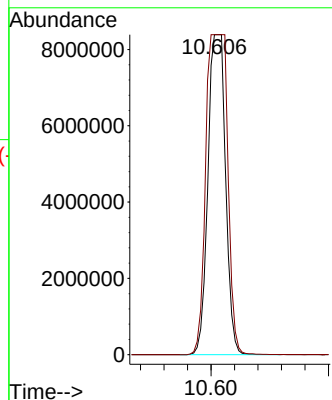
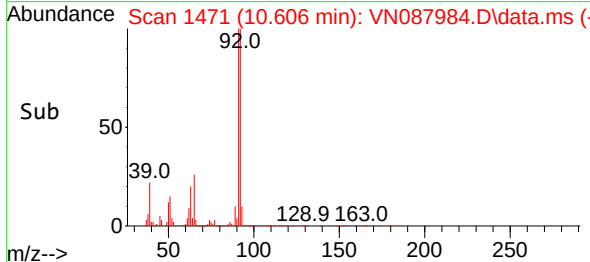
Instrument :
MSVOA_N
ClientSampleId :
4135



Tgt Ion: 92 Resp: 17410140
Ion Ratio Lower Upper
92 100
91 0.0 138.2 207.2

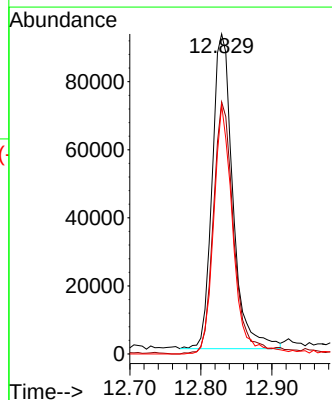
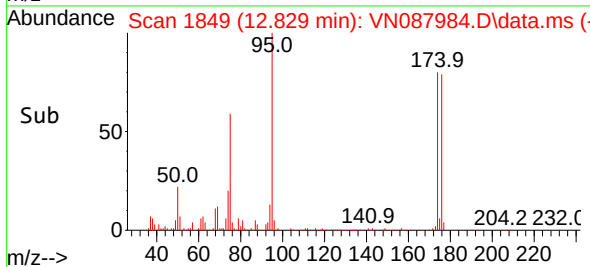
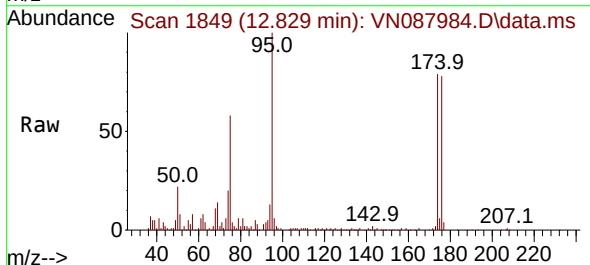
Manual Integrations
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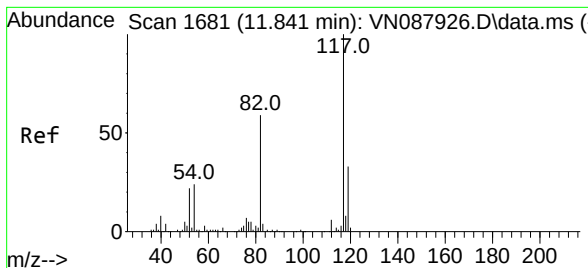
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025



#62
4-Bromofluorobenzene
Concen: 49.203 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

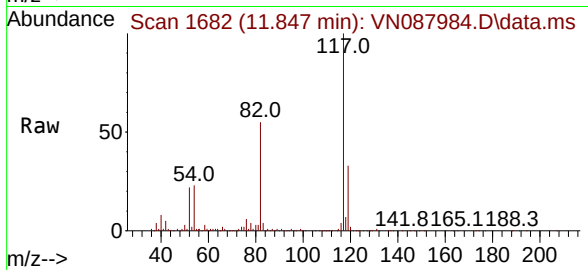
Tgt Ion: 95 Resp: 186939
Ion Ratio Lower Upper
95 100
174 78.4 0.0 159.2
176 73.4 0.0 152.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

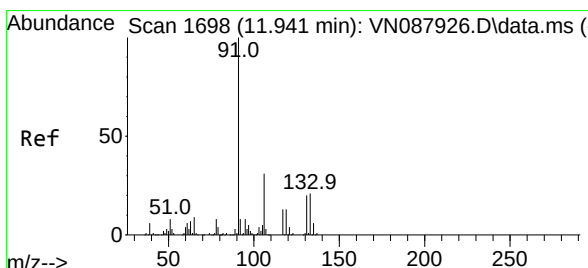
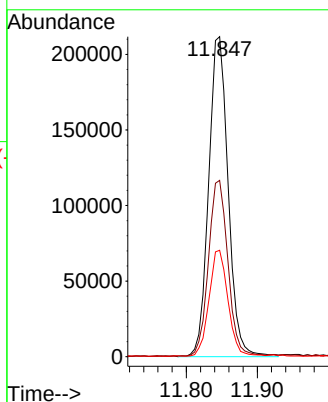
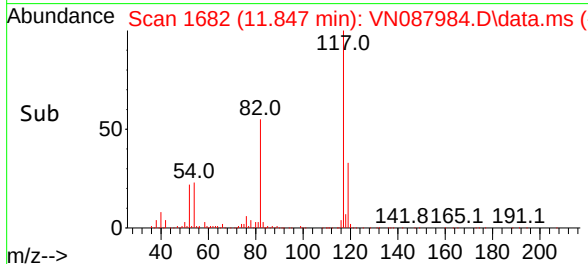
Instrument :
MSVOA_N
ClientSampleId :
4135



Tgt Ion:117 Resp: 403794
Ion Ratio Lower Upper
117 100
82 54.8 47.0 70.4
119 33.0 26.1 39.1

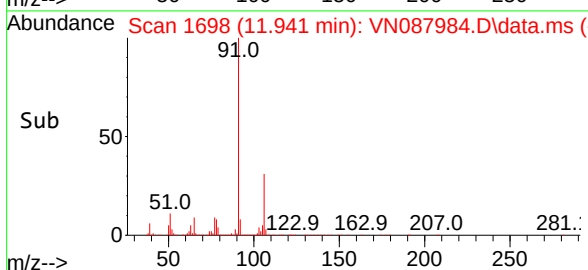
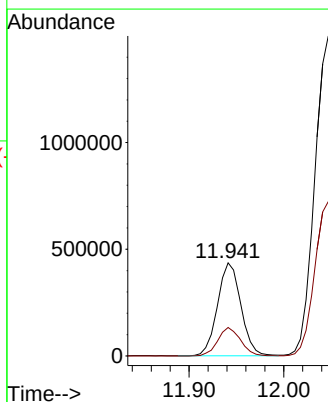
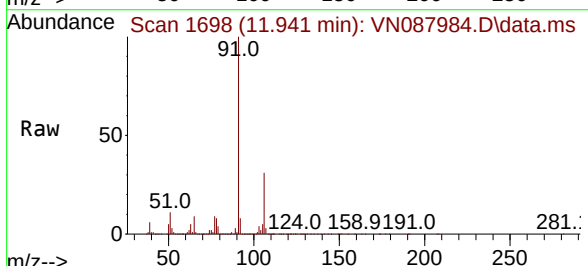
Manual Integrations
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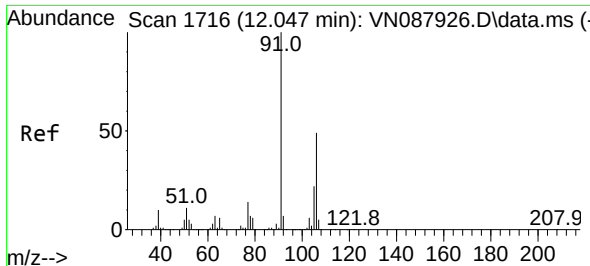
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025



#67
Ethyl Benzene
Concen: 52.035 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

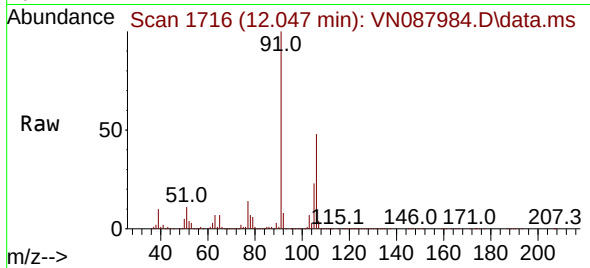
Tgt Ion: 91 Resp: 746105
Ion Ratio Lower Upper
91 100
106 30.6 25.2 37.8





#68
m/p-Xylenes
Concen: 248.887 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

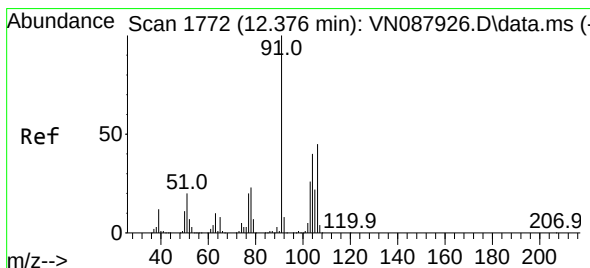
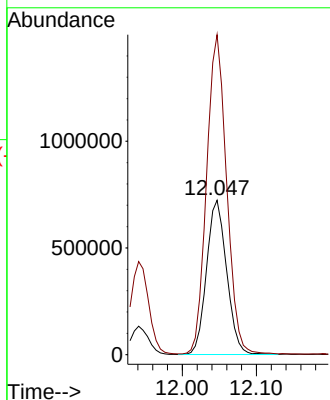
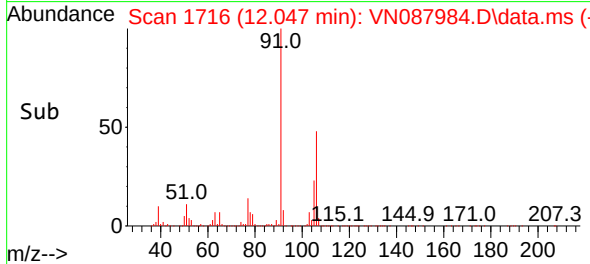
Instrument :
MSVOA_N
ClientSampleId :
4135



Tgt Ion:106 Resp: 1364839
Ion Ratio Lower Upper
106 100
91 205.6 162.9 244.3

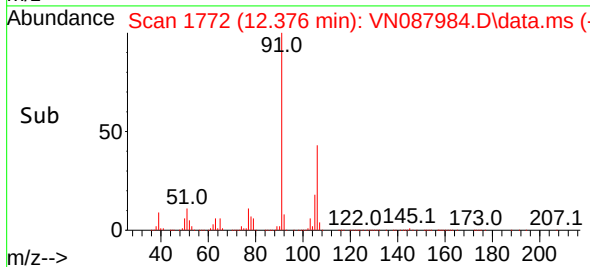
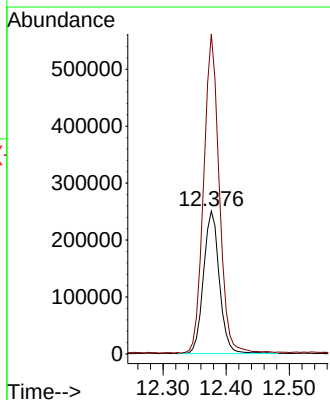
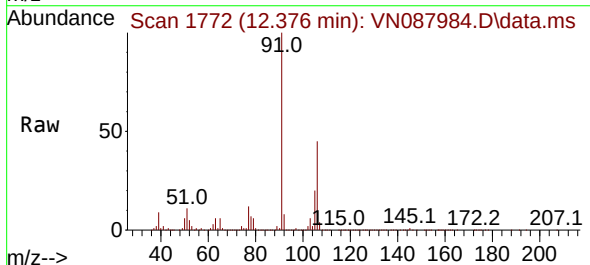
Manual Integrations
APPROVED

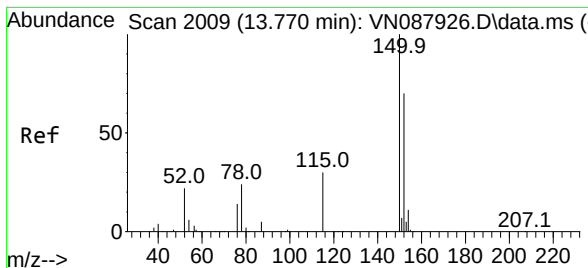
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025



#69
o-Xylene
Concen: 83.388 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

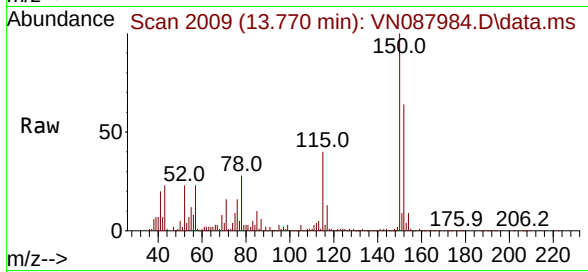
Tgt Ion:106 Resp: 439336
Ion Ratio Lower Upper
106 100
91 219.0 108.2 324.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

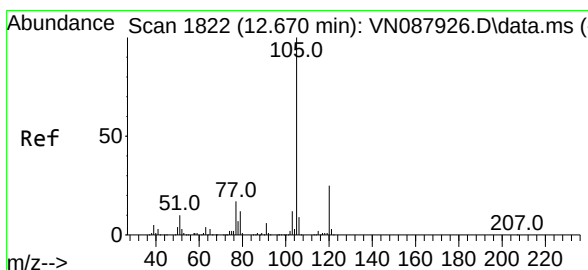
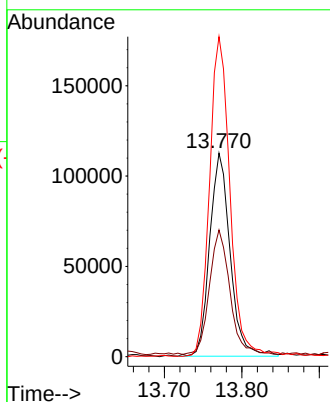
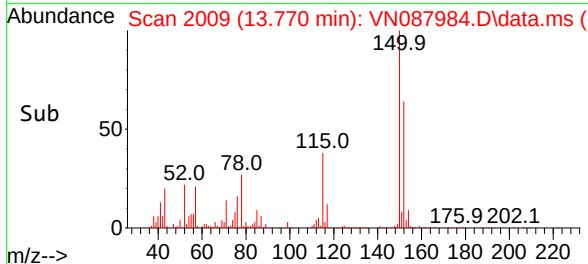
Instrument :
MSVOA_N
ClientSampleId :
4135



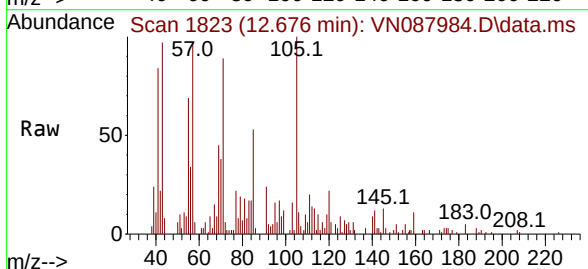
Tgt Ion:152 Resp: 206750
Ion Ratio Lower Upper
152 100
115 60.7 29.9 89.7
150 158.0 0.0 335.0

Manual Integrations
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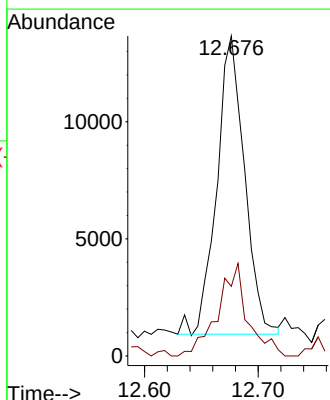
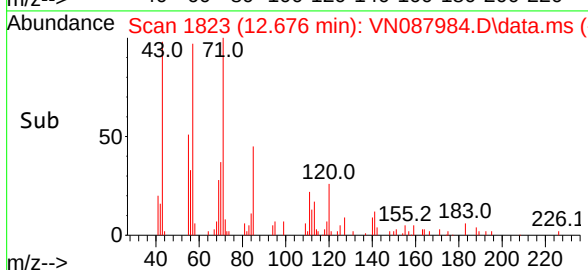
Reviewed By :John Carbone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

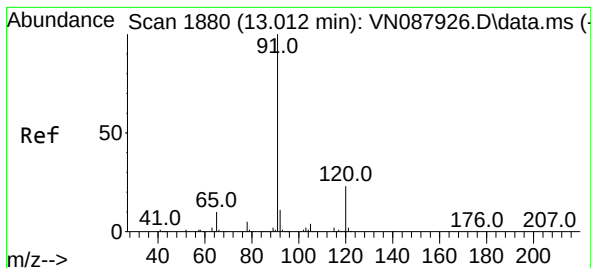


#73
Isopropylbenzene
Concen: 1.693 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50



Tgt Ion:105 Resp: 21690
Ion Ratio Lower Upper
105 100
120 33.1 13.1 39.1





#78

n-propylbenzene

Concen: 1.980 ug/l

RT: 13.018 min Scan# 1880

Delta R.T. 0.006 min

Lab File: VN087984.D

Acq: 29 Sep 2025 15:50

Instrument :

MSVOA_N

ClientSampleId :

4135

Tgt Ion: 91 Resp: 3172

Ion Ratio Lower Upper

91 100

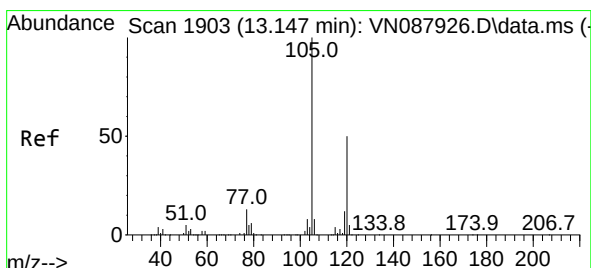
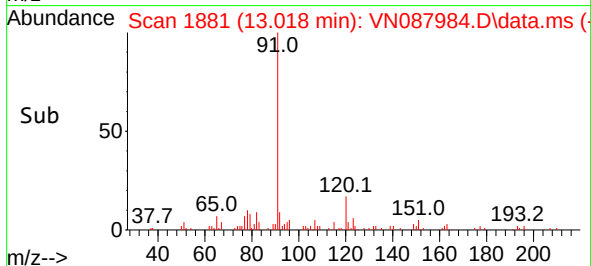
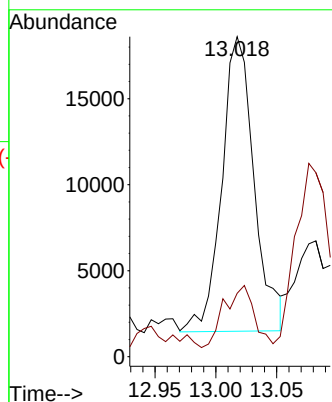
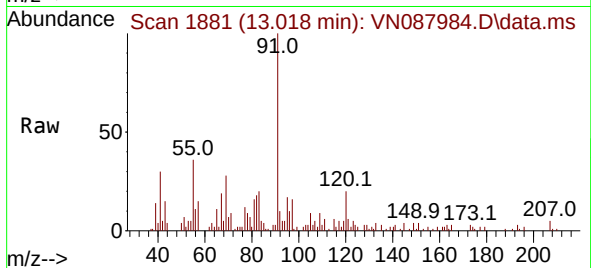
120 21.1 11.1 33.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/30/2025

Supervised By :Mahesh Dadoda 10/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 3.212 ug/l m

RT: 13.153 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VN087984.D

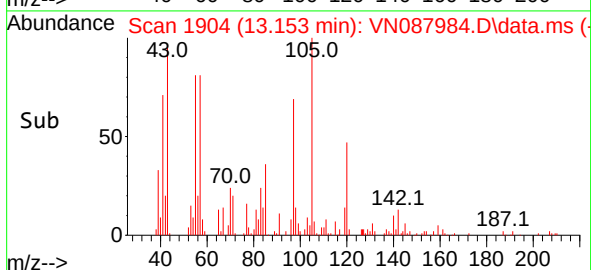
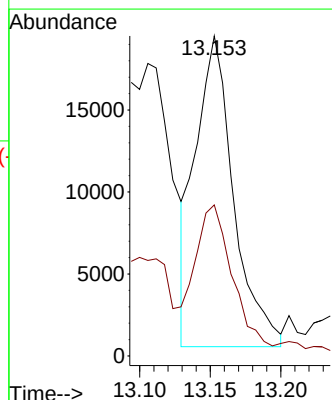
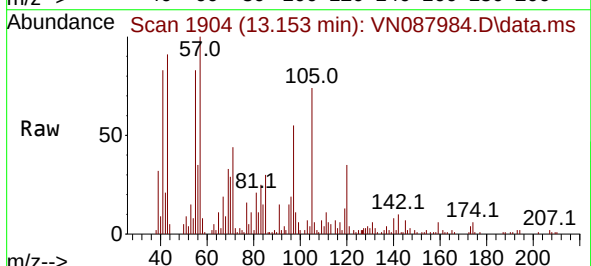
Acq: 29 Sep 2025 15:50

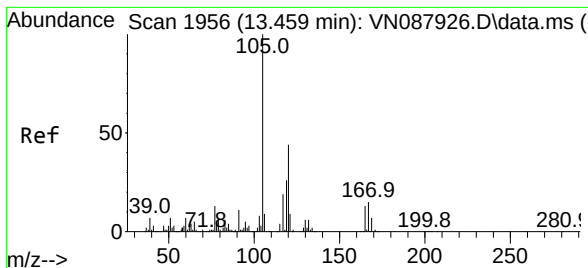
Tgt Ion:105 Resp: 35605

Ion Ratio Lower Upper

105 100

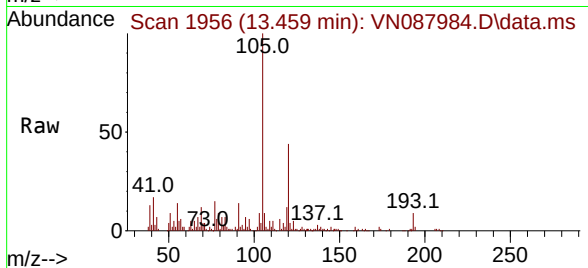
120 43.2 24.7 74.1





#84
1,2,4-Trimethylbenzene
Concen: 10.664 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50

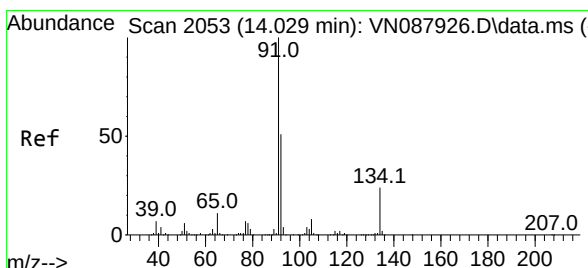
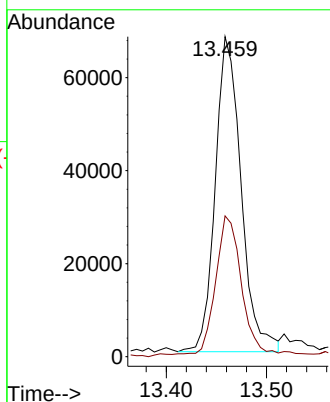
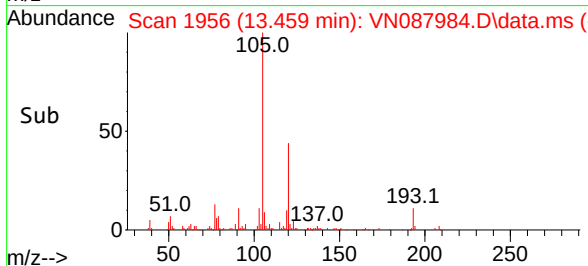
Instrument :
MSVOA_N
ClientSampleId :
4135



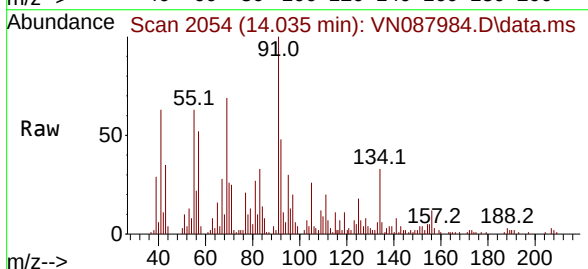
Tgt Ion:105 Resp: 121239
Ion Ratio Lower Upper
105 100
120 47.4 22.4 67.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025



#89
n-Butylbenzene
Concen: 4.447 ug/l m
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN087984.D
Acq: 29 Sep 2025 15:50



Tgt Ion: 91 Resp: 48958
Ion Ratio Lower Upper
91 100
92 46.8 25.9 77.8
134 0.0 12.6 37.8#

