

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086559.D
 Acq On : 09 May 2025 13:55
 Operator : JC\MD
 Sample : Q1980-04
 Misc : 1.22g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3848

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:27:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	192249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	350006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125258	44.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.860%			
35) Dibromofluoromethane	8.159	113	99773	61.421	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 122.840%			
50) Toluene-d8	10.565	98	462686	53.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.580%			
62) 4-Bromofluorobenzene	12.847	95	175609	55.457	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.920%			
Target Compounds					Qvalue	
3) Chloromethane	2.353	50	6555	1.979	ug/l	96
10) Methyl Iodide	4.565	142	4591	1.972	ug/l	91
16) Acetone	4.436	43	165045	169.394	ug/l	99
17) Carbon Disulfide	4.677	76	9281	1.370	ug/l #	95
18) Methyl Acetate	5.042	43	9087	2.715	ug/l	95
39) Methylcyclohexane	9.594	83	319936	82.961	ug/l	99
52) Toluene	10.618	92	21351787m	3291.790	ug/l	
64) Tetrachloroethene	11.100	164	118925	47.566	ug/l	98
67) Ethyl Benzene	11.959	91	4128454	315.402	ug/l	99
68) m/p-Xylenes	12.065	106	6933498	1413.672	ug/l	91
69) o-Xylene	12.394	106	1981776	408.583	ug/l	96
73) Isopropylbenzene	12.694	105	276599	21.515	ug/l	99
78) n-propylbenzene	13.029	91	809204	53.415	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	631142	59.980	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	2270049	211.938	ug/l	97
85) sec-Butylbenzene	13.612	105	338764	26.787	ug/l	85
86) p-Isopropyltoluene	13.723	119	163084	15.645	ug/l	99
89) n-Butylbenzene	14.053	91	326683m	35.357	ug/l	
95) Naphthalene	15.635	128	72276	8.201	ug/l #	92

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

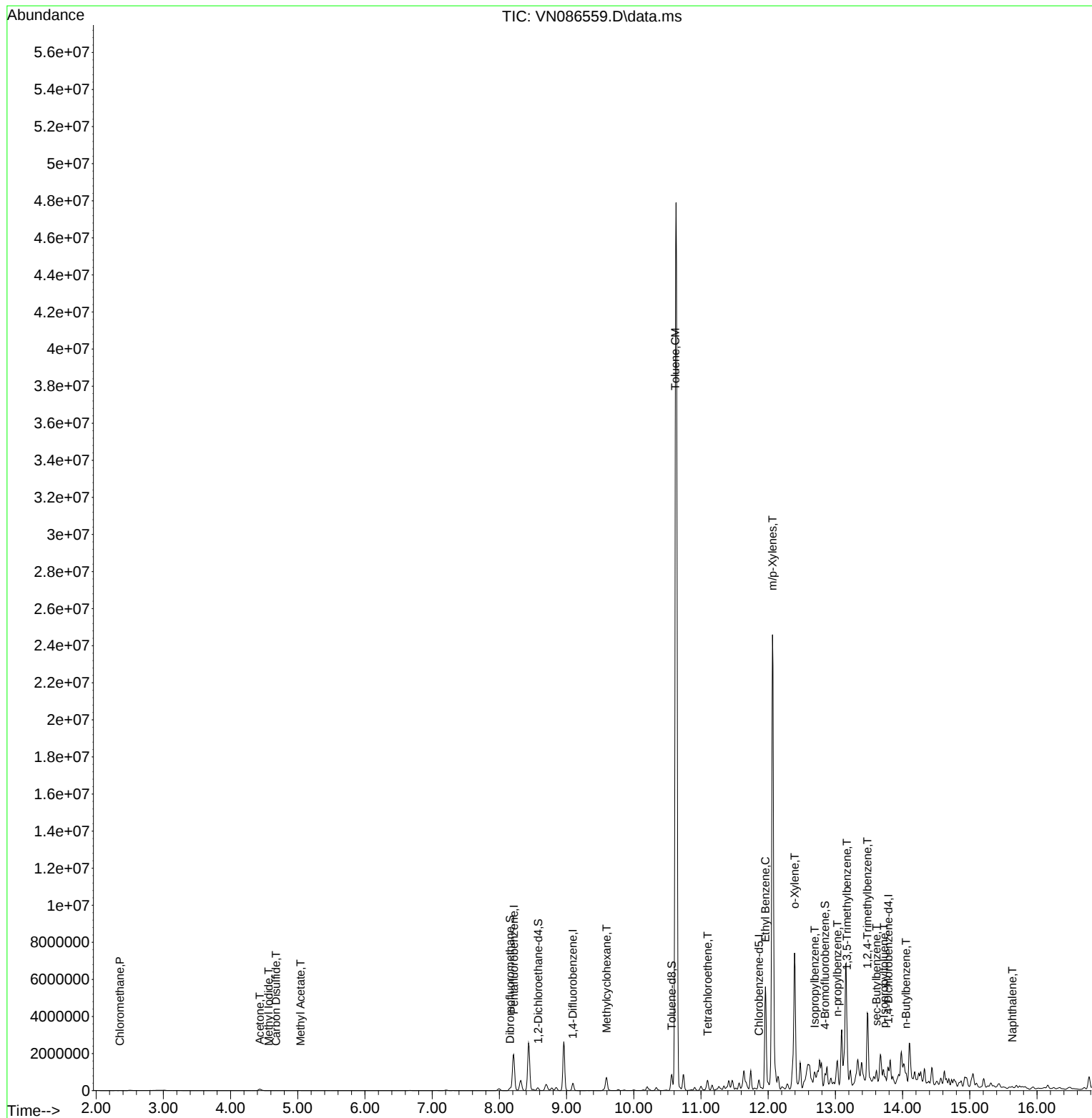
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086559.D
Acq On : 09 May 2025 13:55
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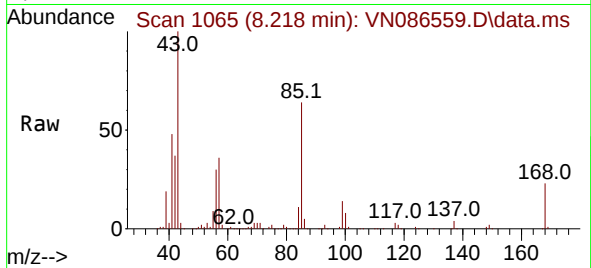
Quant Time: May 09 23:27:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

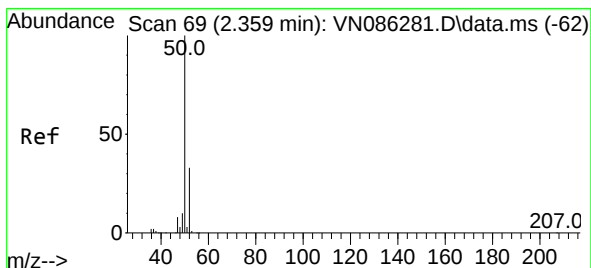
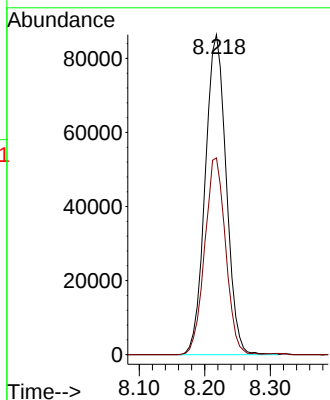
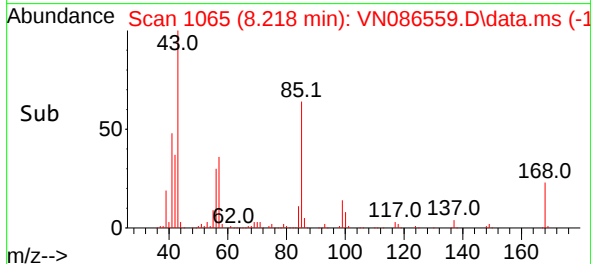
Instrument :
MSVOA_N
ClientSampleId :
3848



Tgt Ion:168 Resp: 192249
Ion Ratio Lower Upper
168 100
99 61.5 52.5 78.7

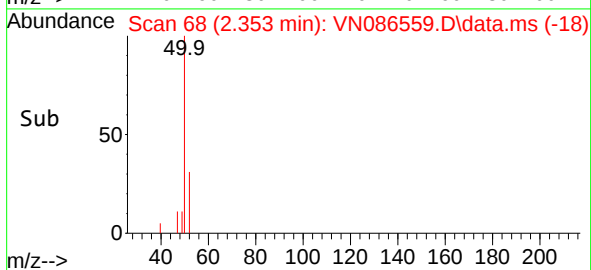
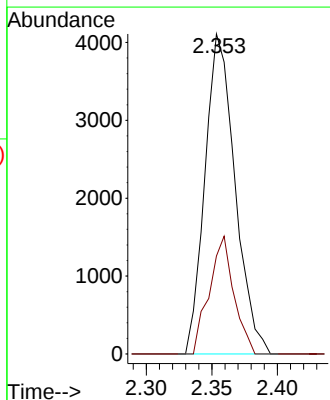
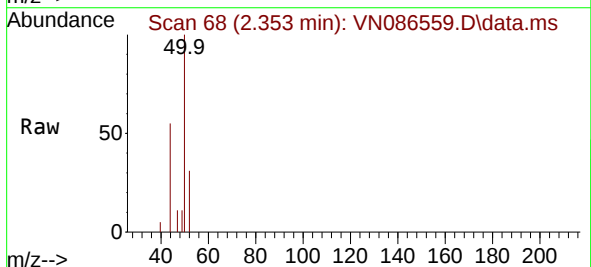
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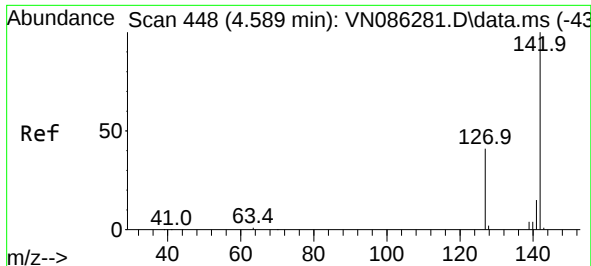
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#3
Chloromethane
Concen: 1.979 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

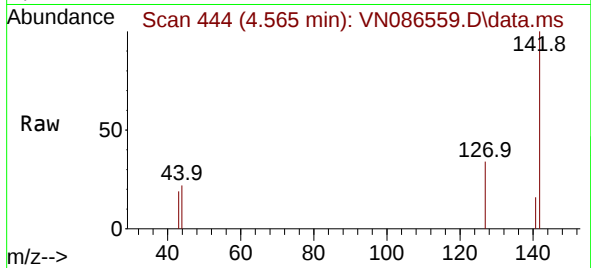
Tgt Ion: 50 Resp: 6555
Ion Ratio Lower Upper
50 100
52 30.6 26.5 39.7





#10
Methyl Iodide
Concen: 1.972 ug/l
RT: 4.565 min Scan# 448
Delta R.T. -0.024 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

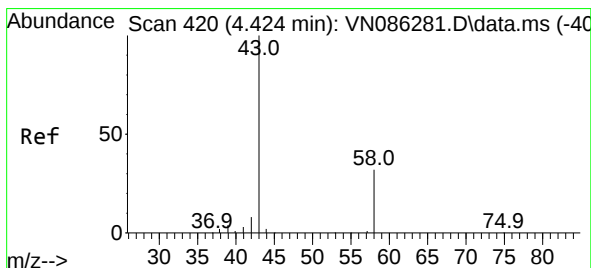
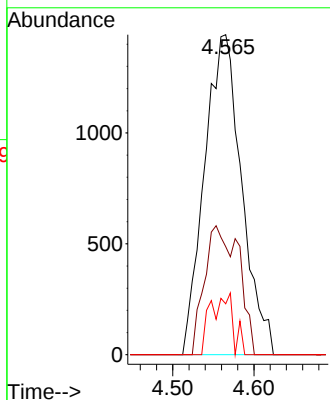
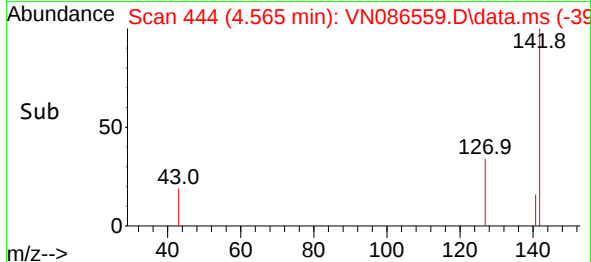
Instrument :
MSVOA_N
ClientSampleId :
3848



Tgt Ion:142 Resp: 459
Ion Ratio Lower Upper
142 100
127 33.7 32.7 49.1
141 15.9 11.7 17.5

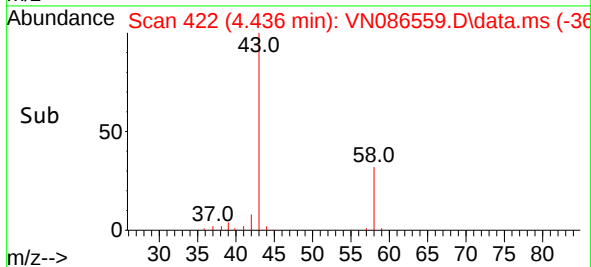
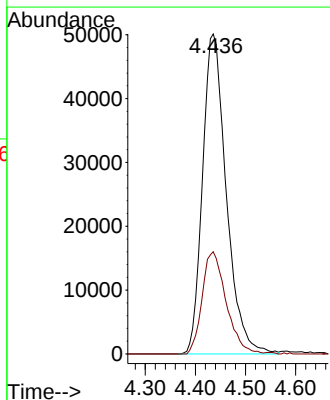
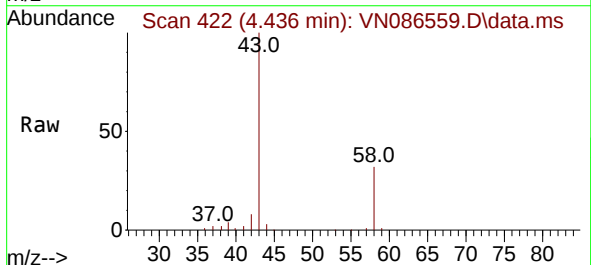
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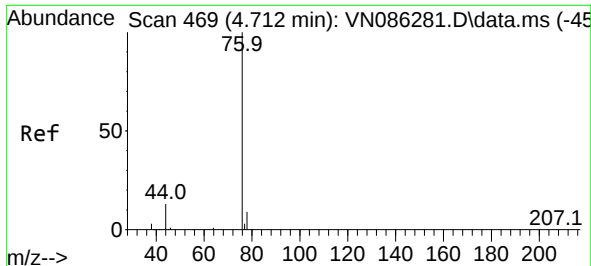
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#16
Acetone
Concen: 169.394 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

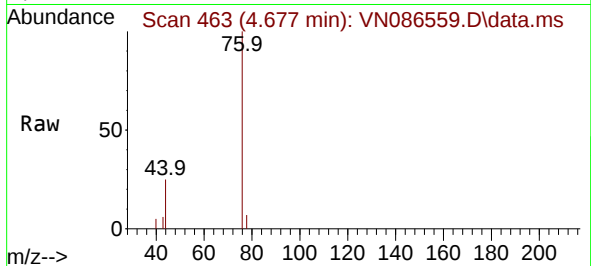
Tgt Ion: 43 Resp: 165045
Ion Ratio Lower Upper
43 100
58 32.0 25.3 37.9





#17
Carbon Disulfide
Concen: 1.370 ug/l
RT: 4.677 min Scan# 463
Delta R.T. -0.035 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

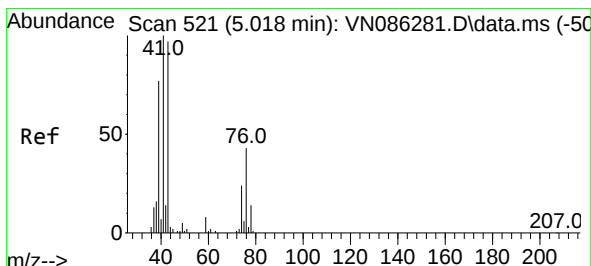
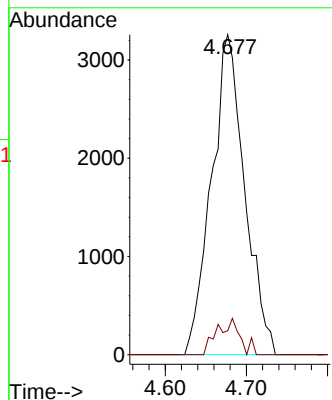
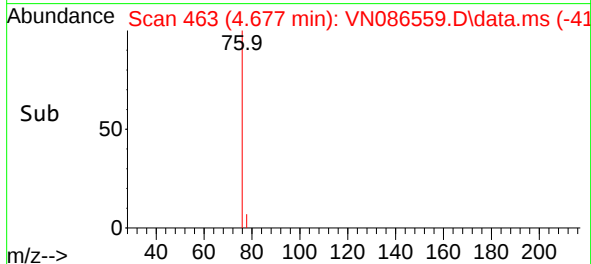
Instrument :
MSVOA_N
ClientSampleId :
3848



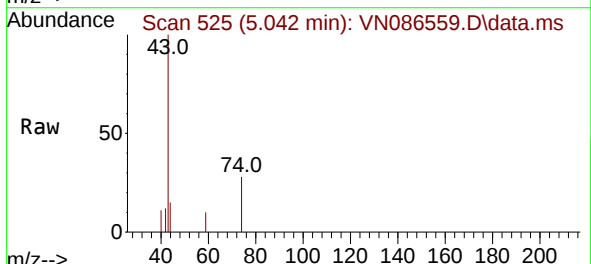
Tgt Ion: 76 Resp: 928
Ion Ratio Lower Upper
76 100
78 7.5 7.6 11.4

Manual Integrations
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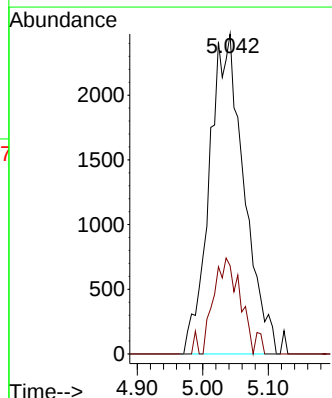
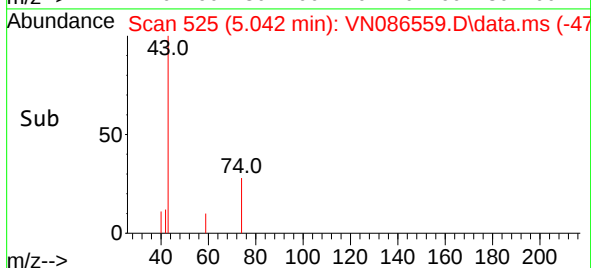
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

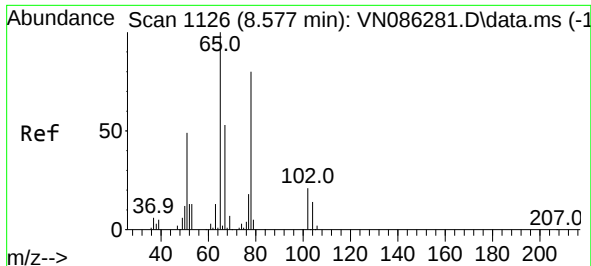


#18
Methyl Acetate
Concen: 2.715 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55



Tgt Ion: 43 Resp: 9087
Ion Ratio Lower Upper
43 100
74 22.3 19.8 29.6





#33

1,2-Dichloroethane-d4

Concen: 44.931 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086559.D

Acq: 09 May 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

3848

Tgt Ion: 65 Resp: 125258

Ion Ratio Lower Upper

65 100

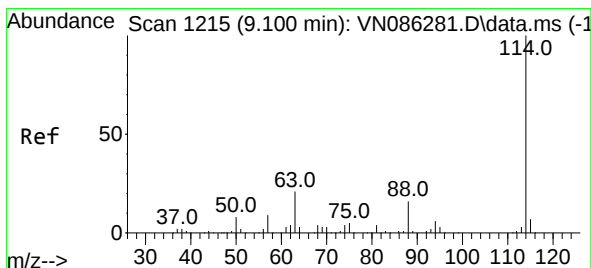
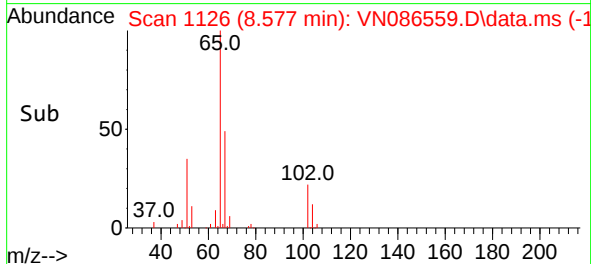
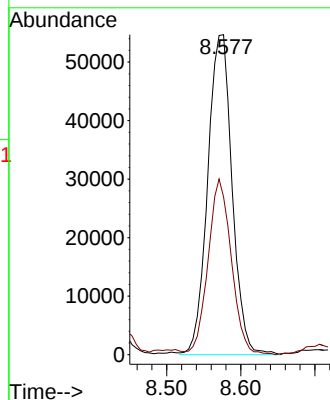
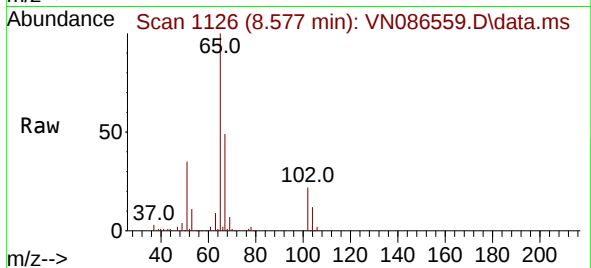
67 52.4 0.0 106.0

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Supervised By :Mahesh Dadoda 05/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086559.D

Acq: 09 May 2025 13:55

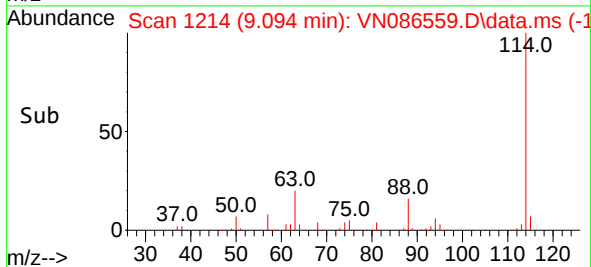
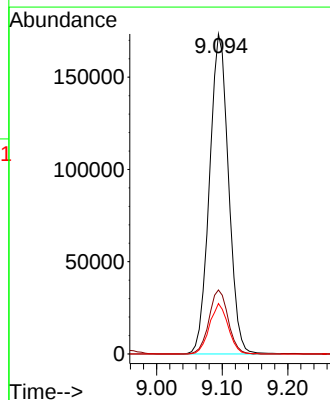
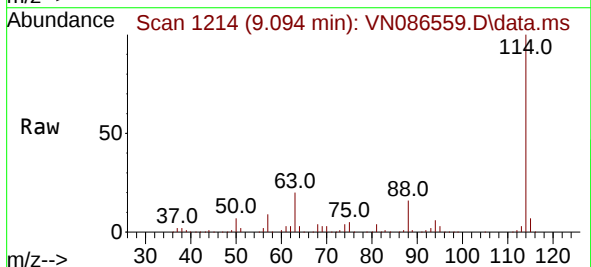
Tgt Ion:114 Resp: 350006

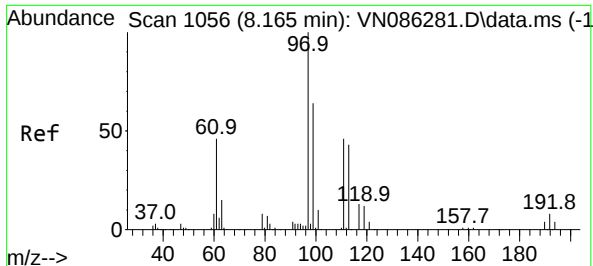
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

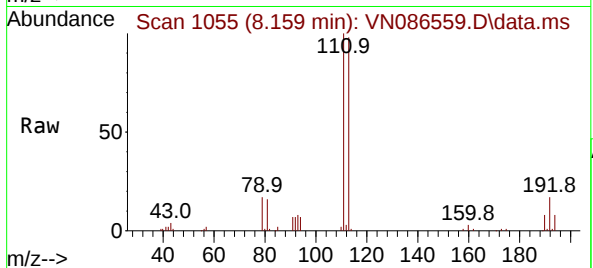
88 15.8 0.0 31.8





#35
Dibromofluoromethane
Concen: 61.421 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

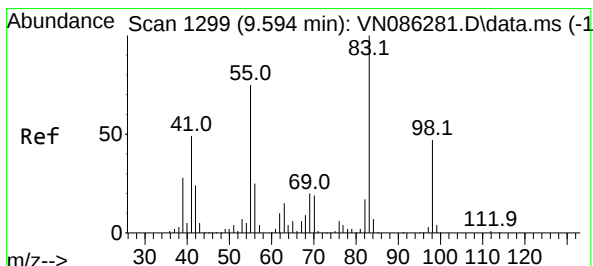
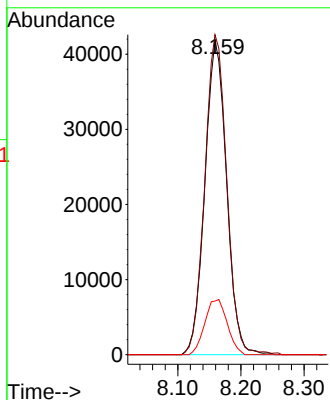
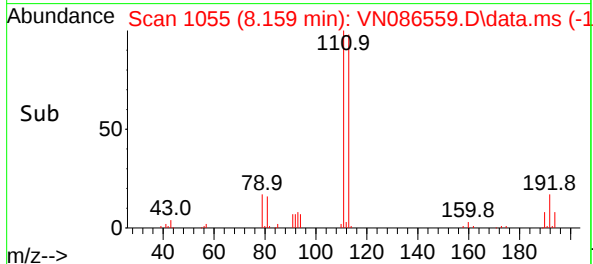
Instrument :
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ClientSampleId :
3848



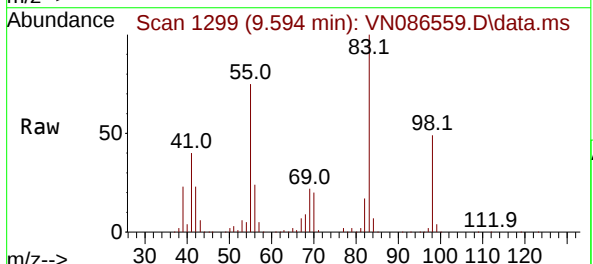
Tgt Ion: 113 Resp: 9977
Ion Ratio Lower Upper
113 100
111 103.0 83.4 125.0
192 18.1 13.7 20.5

Manual Integrations
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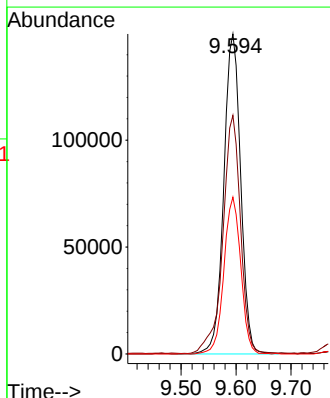
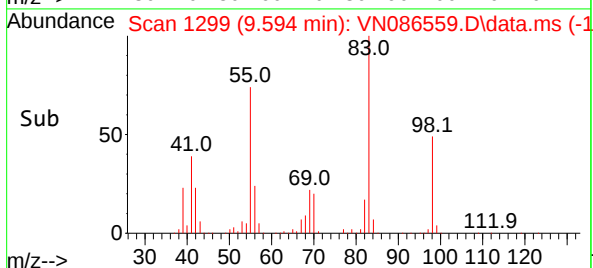
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

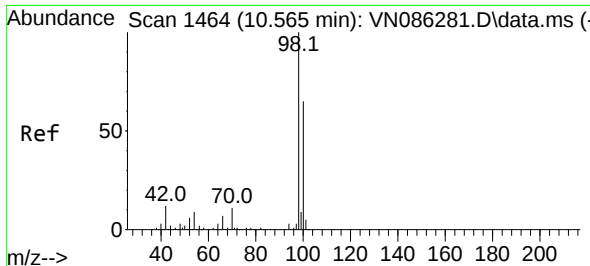


#39
Methylcyclohexane
Concen: 82.961 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55



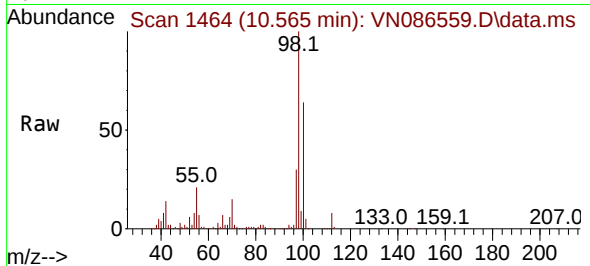
Tgt Ion: 83 Resp: 319936
Ion Ratio Lower Upper
83 100
55 74.3 59.8 89.8
98 49.0 37.9 56.9





#50
Toluene-d8
Concen: 53.294 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

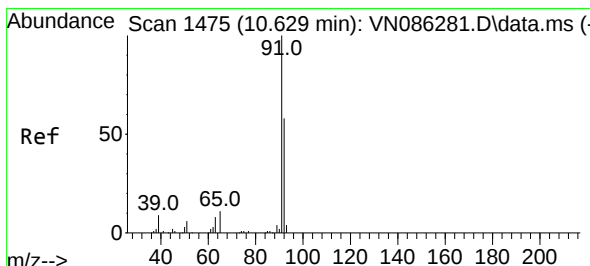
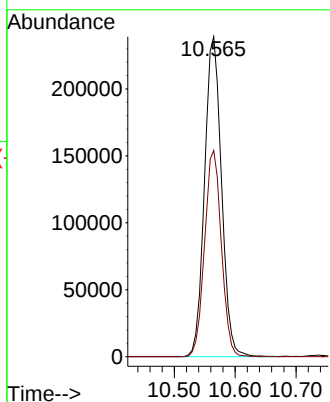
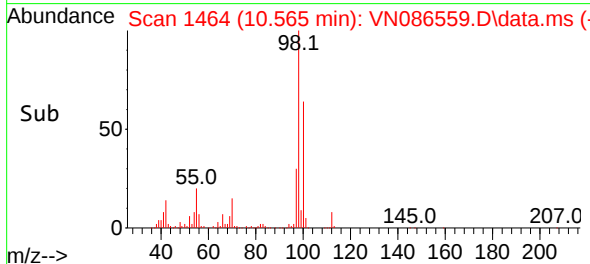
Instrument :
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3848



Tgt Ion: 98 Resp: 462680
Ion Ratio Lower Upper
98 100
100 63.6 52.5 78.7

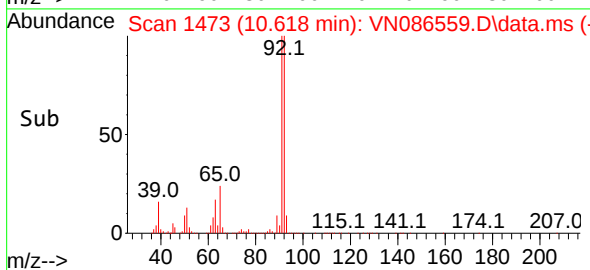
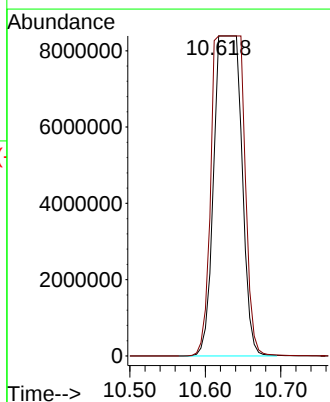
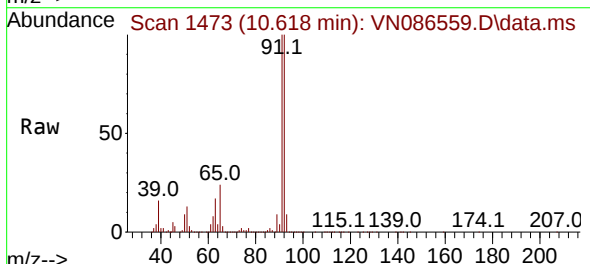
Manual Integrations
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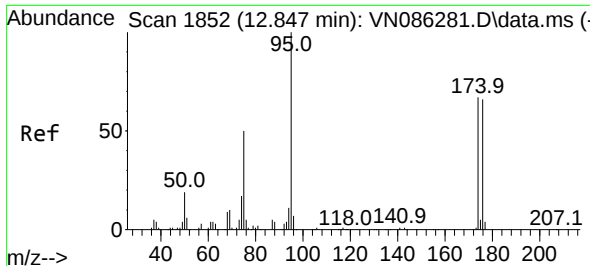
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#52
Toluene
Concen: 3291.790 ug/l m
RT: 10.618 min Scan# 1473
Delta R.T. -0.012 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

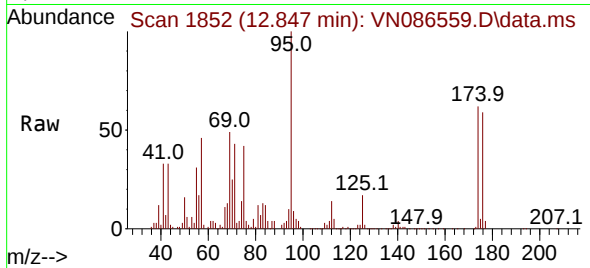
Tgt Ion: 92 Resp:21351787
Ion Ratio Lower Upper
92 100
91 0.0 137.3 205.9#





#62
4-Bromofluorobenzene
Concen: 55.457 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

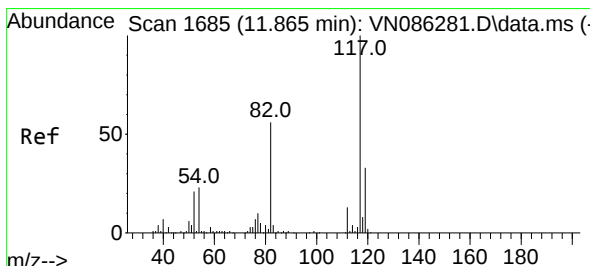
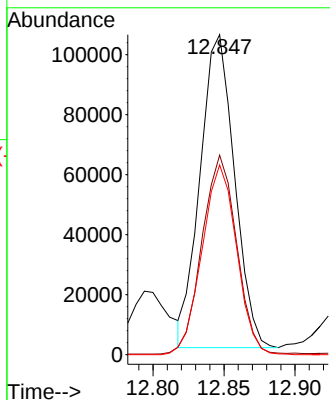
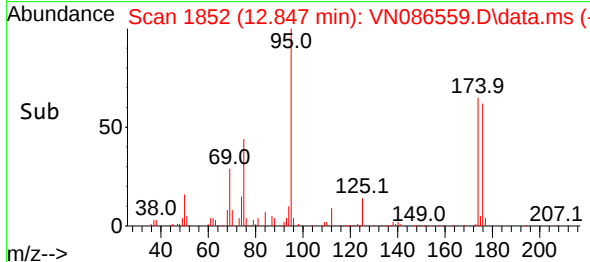
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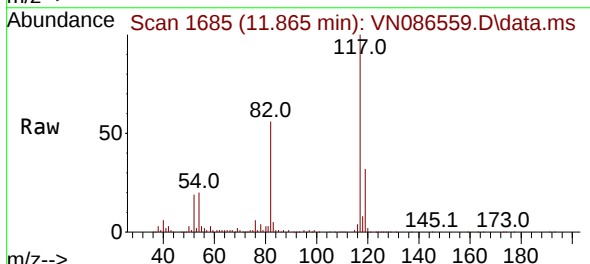
Tgt Ion: 95 Resp: 175609
Ion Ratio Lower Upper
95 100
174 63.9 0.0 133.4
176 61.0 0.0 129.2

Manual Integrations
APPROVED

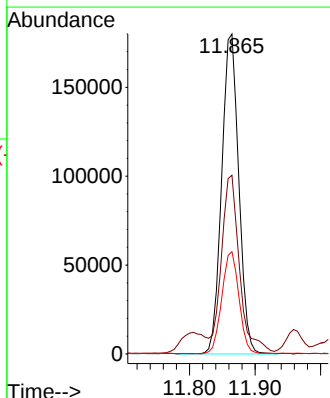
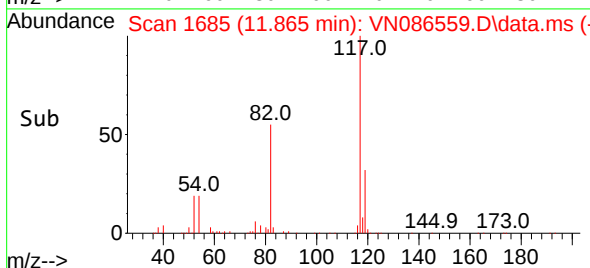
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

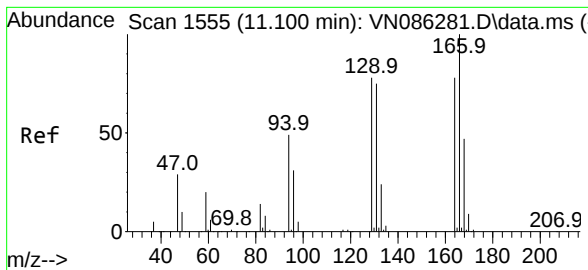


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55



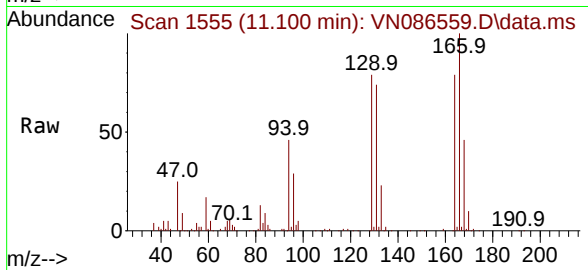
Tgt Ion:117 Resp: 325037
Ion Ratio Lower Upper
117 100
82 54.6 44.7 67.1
119 31.9 26.4 39.6





#64
Tetrachloroethene
Concen: 47.566 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

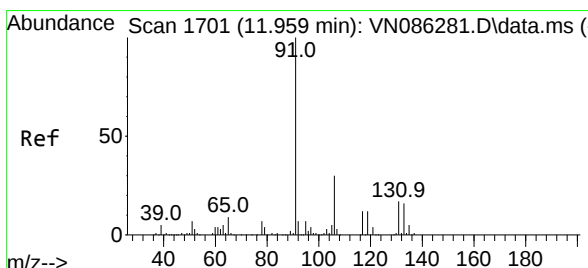
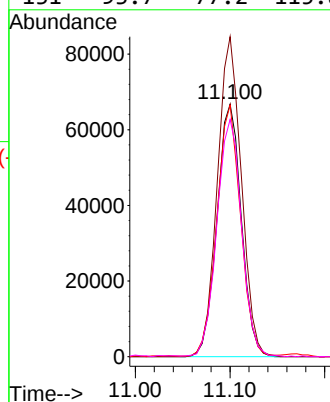
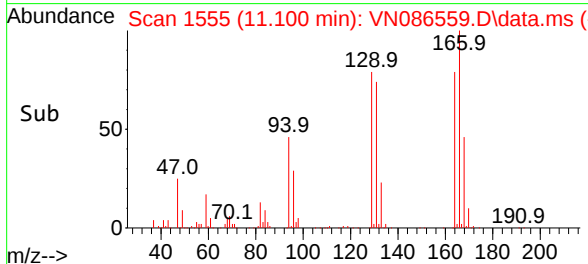
Instrument :
MSVOA_N
ClientSampleId :
3848



Tgt Ion:164 Resp: 118925
Ion Ratio Lower Upper
164 100
166 126.7 103.0 154.4
129 99.5 80.1 120.1
131 93.7 77.2 115.8

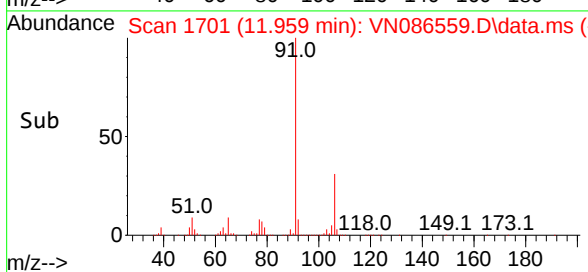
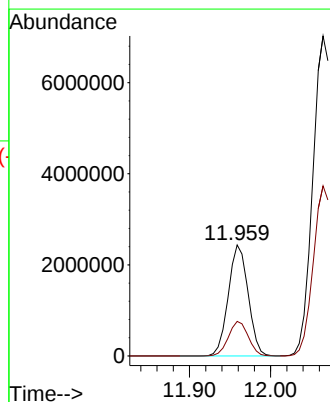
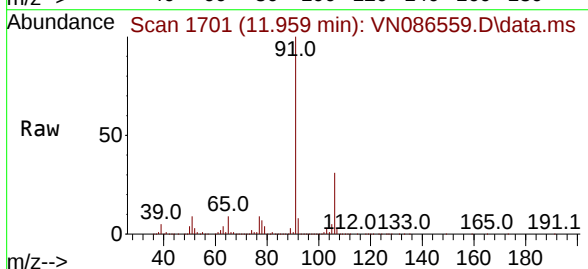
Manual Integrations
APPROVED

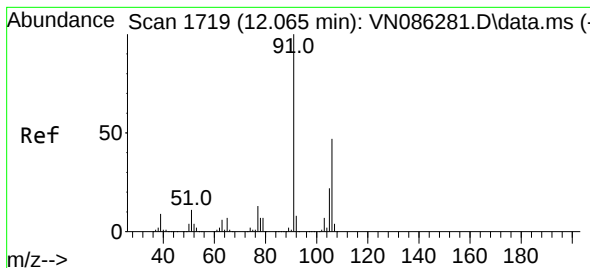
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#67
Ethyl Benzene
Concen: 315.402 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

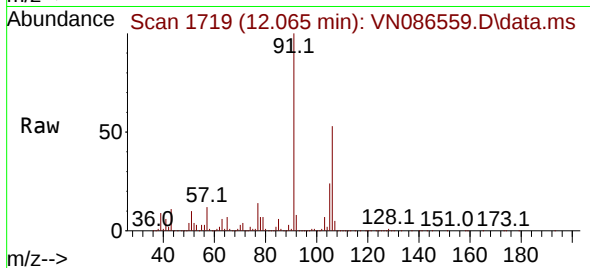
Tgt Ion: 91 Resp: 4128454
Ion Ratio Lower Upper
91 100
106 31.2 24.3 36.5





#68
m/p-Xylenes
Concen: 1413.672 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

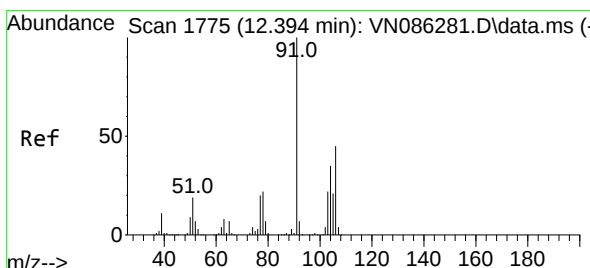
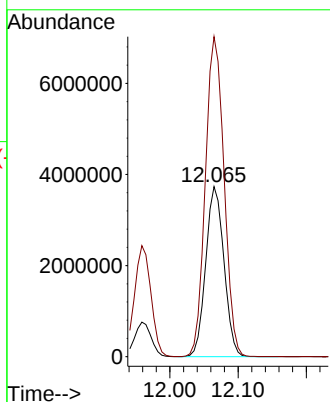
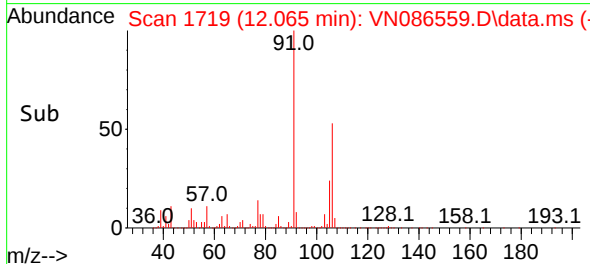
Instrument :
MSVOA_N
ClientSampleId :
3848



Tgt Ion:106 Resp: 6933498
Ion Ratio Lower Upper
106 100
91 193.5 166.5 249.7

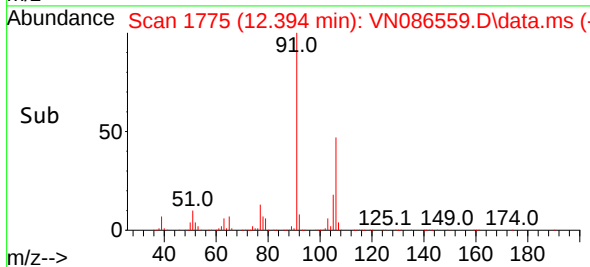
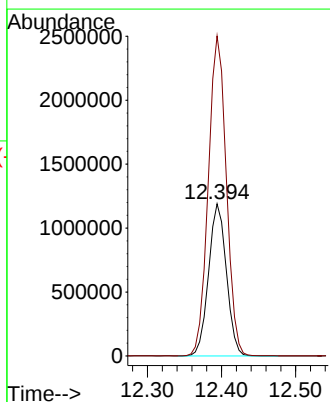
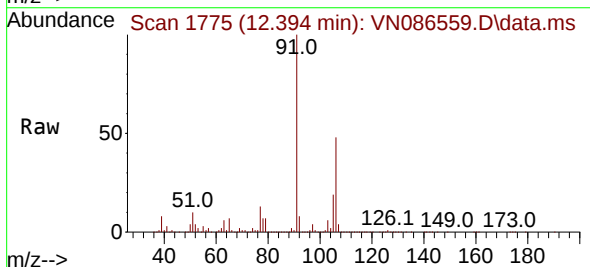
Manual Integrations
APPROVED

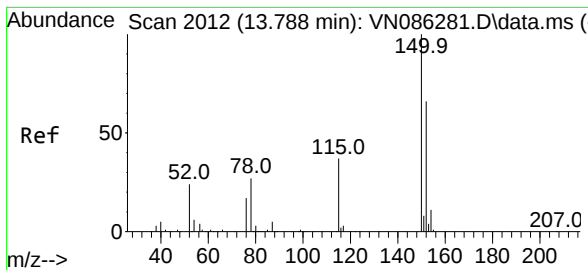
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#69
o-Xylene
Concen: 408.583 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

Tgt Ion:106 Resp: 1981776
Ion Ratio Lower Upper
106 100
91 213.1 109.7 329.0





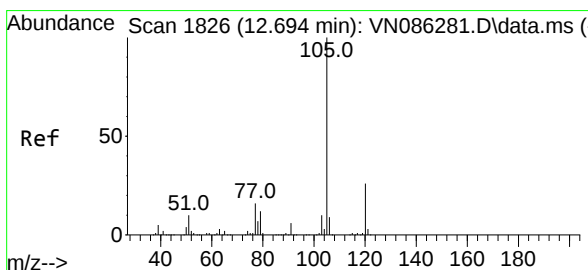
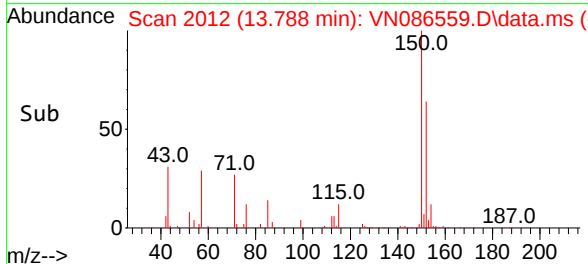
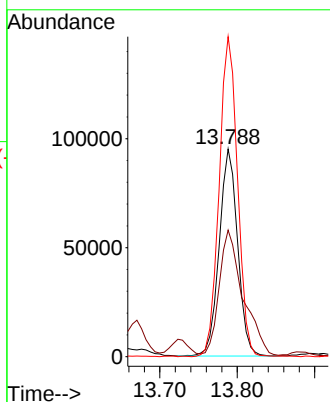
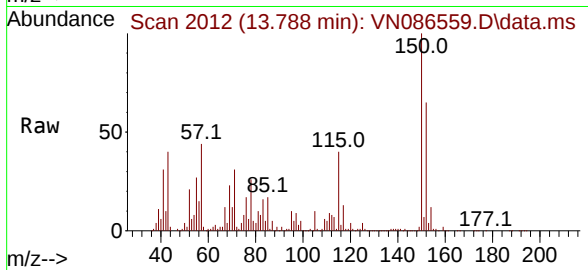
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

Instrument :
MSVOA_N
ClientSampleId :
3848

Tgt Ion:152 Resp: 15716
Ion Ratio Lower Upper
152 100
115 77.8 31.9 95.9
150 154.6 0.0 352.0

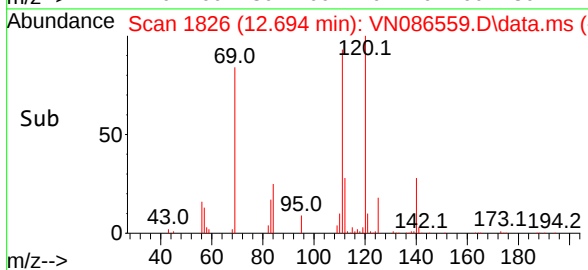
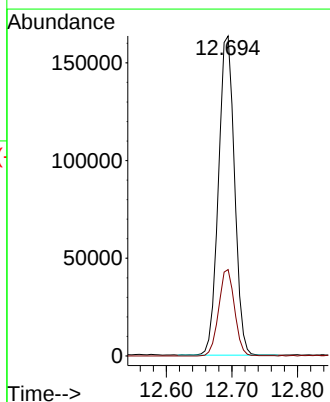
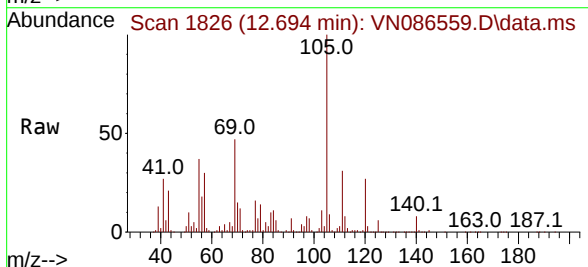
Manual Integrations
APPROVED

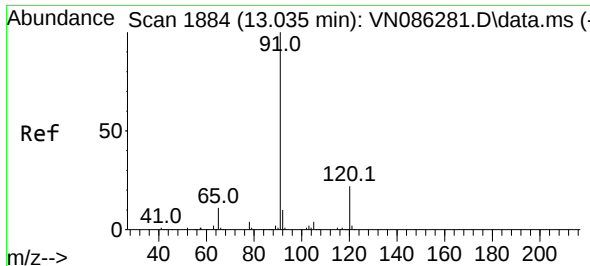
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#73
Isopropylbenzene
Concen: 21.515 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

Tgt Ion:105 Resp: 276599
Ion Ratio Lower Upper
105 100
120 26.8 13.1 39.3





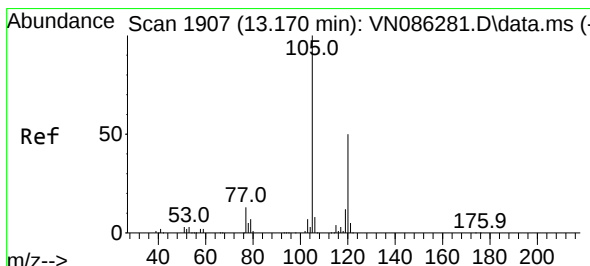
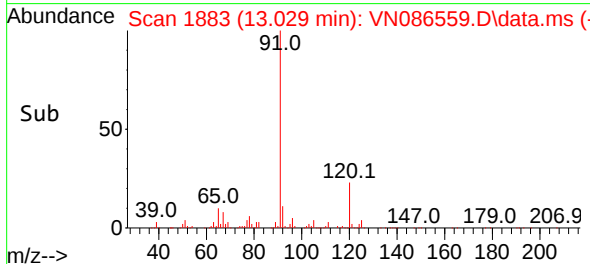
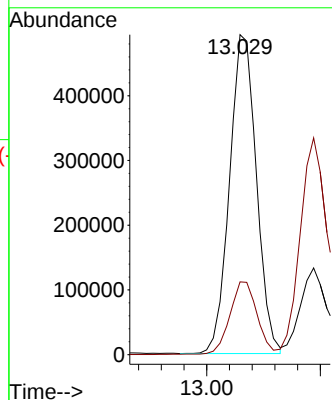
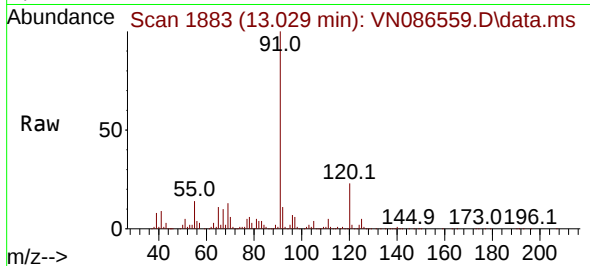
#78
n-propylbenzene
Concen: 53.415 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

Instrument :
MSVOA_N
ClientSampleId :
3848

Tgt Ion: 91 Resp: 809204
Ion Ratio Lower Upper
91 100
120 23.2 11.1 33.3

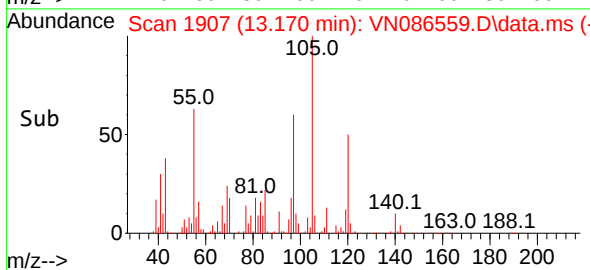
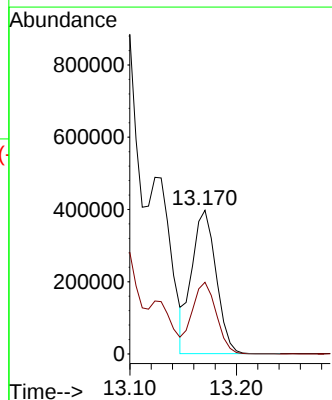
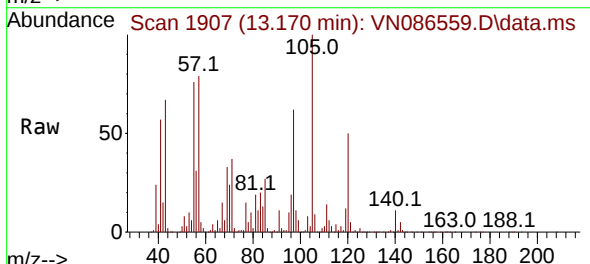
Manual Integrations
APPROVED

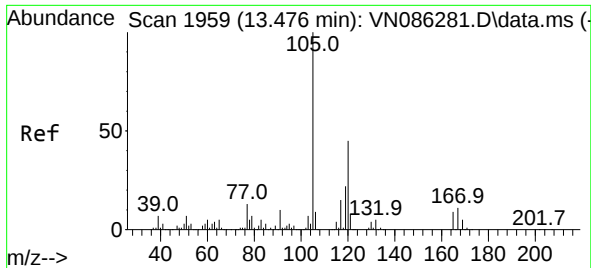
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#80
1,3,5-Trimethylbenzene
Concen: 59.980 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

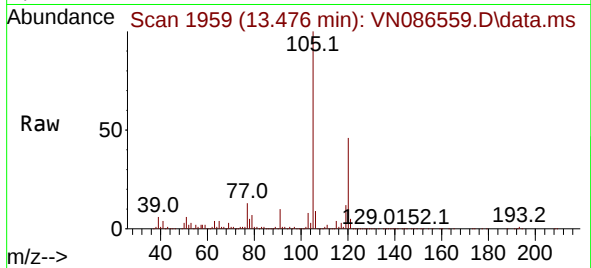
Tgt Ion:105 Resp: 631142
Ion Ratio Lower Upper
105 100
120 50.0 24.5 73.5





#84
1,2,4-Trimethylbenzene
Concen: 211.938 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

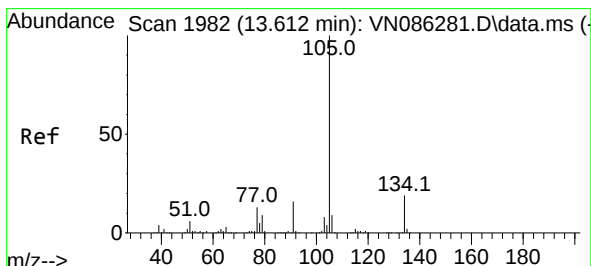
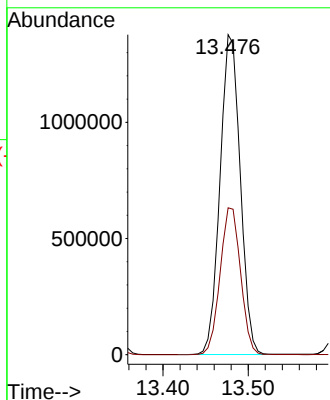
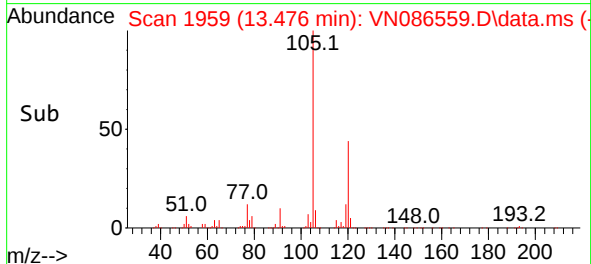
Instrument :
MSVOA_N
ClientSampleId :
3848



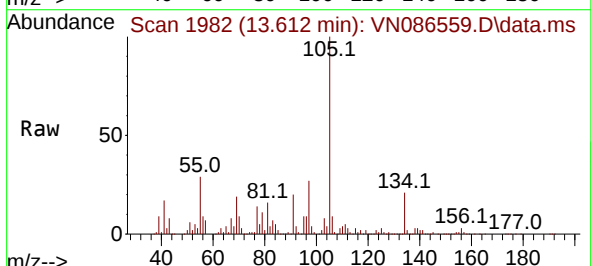
Tgt Ion:105 Resp: 2270049
Ion Ratio Lower Upper
105 100
120 46.6 22.4 67.3

Manual Integrations
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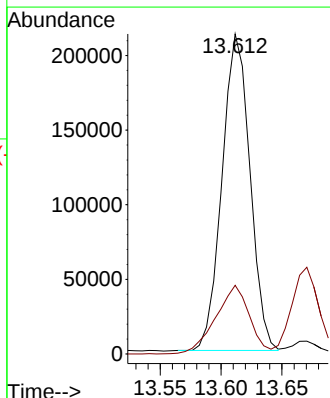
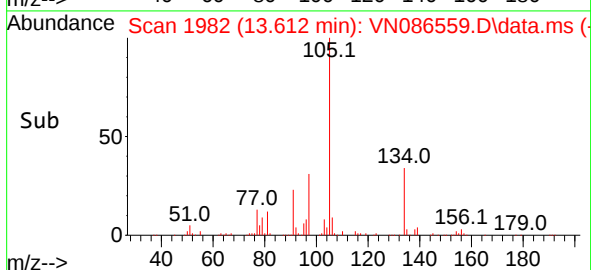
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

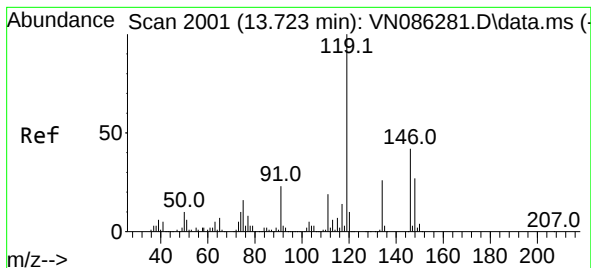


#85
sec-Butylbenzene
Concen: 26.787 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55



Tgt Ion:105 Resp: 338764
Ion Ratio Lower Upper
105 100
134 26.3 9.7 29.1





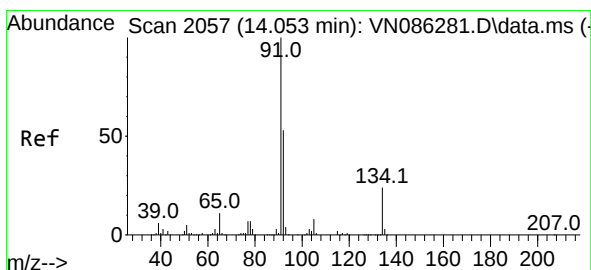
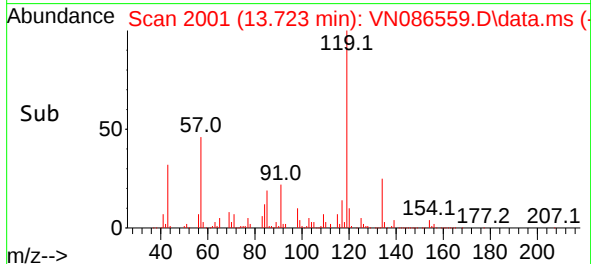
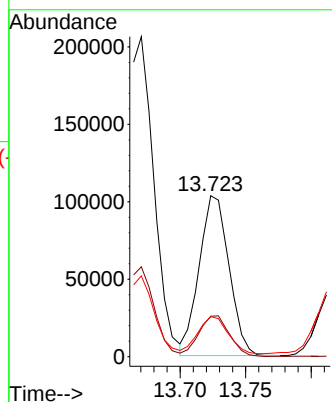
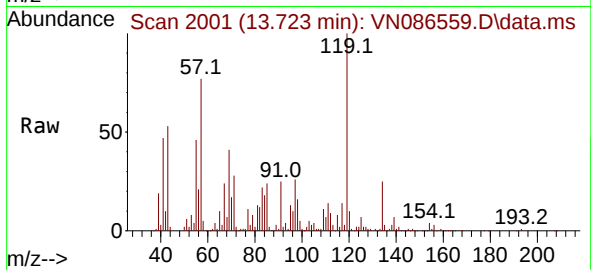
#86
p-Isopropyltoluene
Concen: 15.645 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

Instrument :
MSVOA_N
ClientSampleId :
3848

Tgt Ion: 119 Resp: 163084
Ion Ratio Lower Upper
119 100
134 26.1 13.1 39.1
91 23.3 11.9 35.9

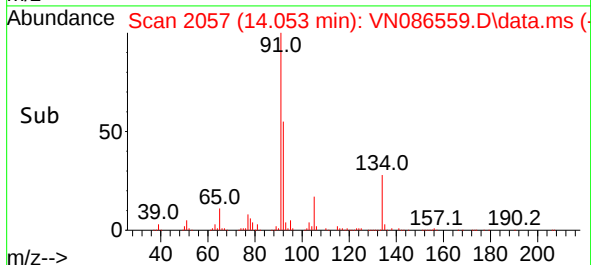
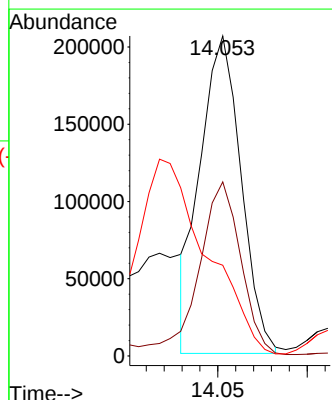
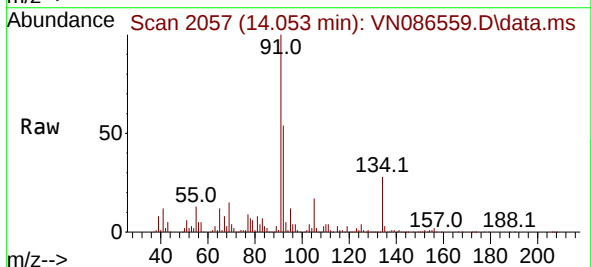
Manual Integrations
APPROVED

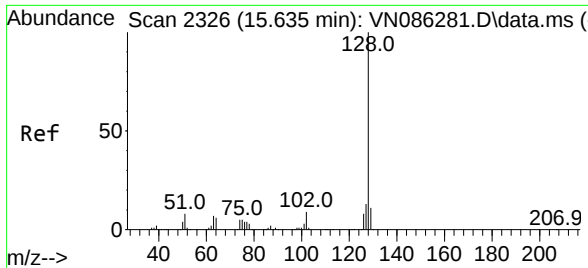
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#89
n-Butylbenzene
Concen: 35.357 ug/l m
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

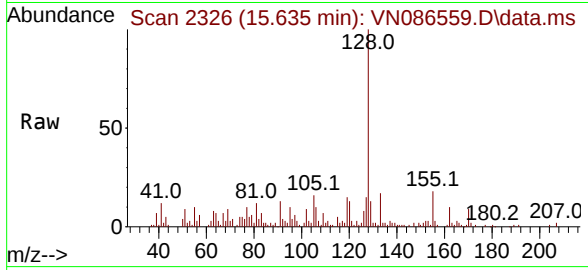
Tgt Ion: 91 Resp: 326683
Ion Ratio Lower Upper
91 100
92 55.7 26.8 80.4
134 0.0 12.2 36.6#





#95
Naphthalene
Concen: 8.201 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086559.D
Acq: 09 May 2025 13:55

Instrument :
MSVOA_N
ClientSampleId :
3848



Tgt Ion:128 Resp: 72270
Ion Ratio Lower Upper
128 100
127 15.2 10.2 15.4
129 14.6 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

