

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086896.D
 Acq On : 09 Jun 2025 11:55
 Operator : JC\MD
 Sample : Q2216-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3851

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/10/2025
 Supervised By :Mahesh Dadoda 06/10/2025

Quant Time: Jun 09 13:28:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	363061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	638255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	551008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	270034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	207274	42.640	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.280%		
35) Dibromofluoromethane	8.177	113	182031	48.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.260%		
50) Toluene-d8	10.565	98	771729	51.539	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.080%		
62) 4-Bromofluorobenzene	12.847	95	273497	49.162	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.320%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	207129	157.037	ug/l	100
16) Acetone	4.448	43	31756	12.319	ug/l	98
17) Carbon Disulfide	4.748	76	10029m	0.897	ug/l	
20) Methylene Chloride	5.300	84	1340	0.278	ug/l #	81
25) 2-Butanone	7.494	43	10043	2.397	ug/l	93
39) Methylcyclohexane	9.606	83	2176	0.282	ug/l #	76
51) 4-Methyl-2-Pentanone	10.447	43	12703	1.832	ug/l	93
52) Toluene	10.630	92	24636	2.187	ug/l	100
67) Ethyl Benzene	11.959	91	19052	0.910	ug/l	98
68) m/p-Xylenes	12.065	106	13657	1.704	ug/l	89
69) o-Xylene	12.394	106	5250	0.684	ug/l	94
84) 1,2,4-Trimethylbenzene	13.476	105	5123	0.315	ug/l	100

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

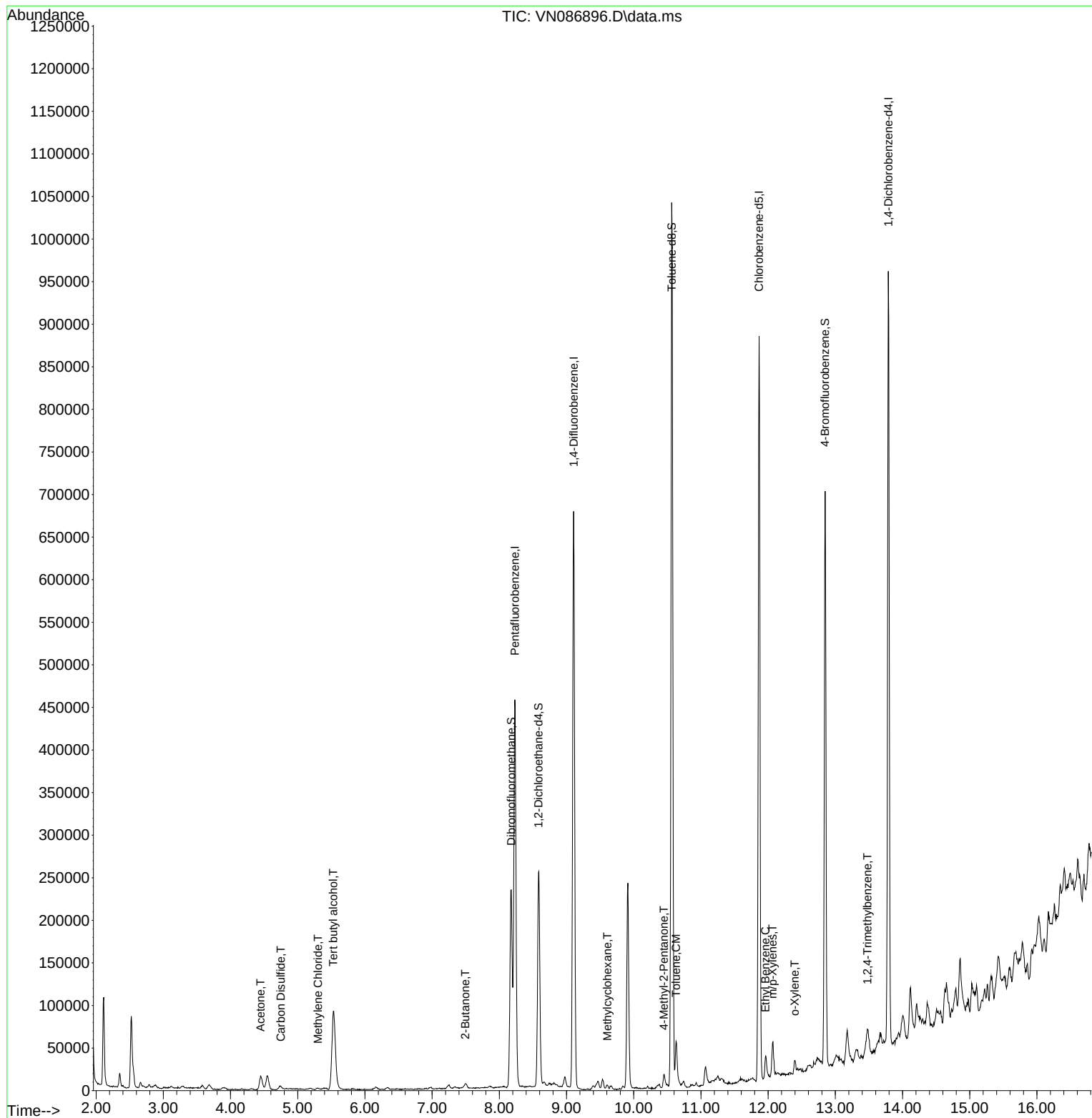
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086896.D
Acq On : 09 Jun 2025 11:55
Operator : JC\MD
Sample : Q2216-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

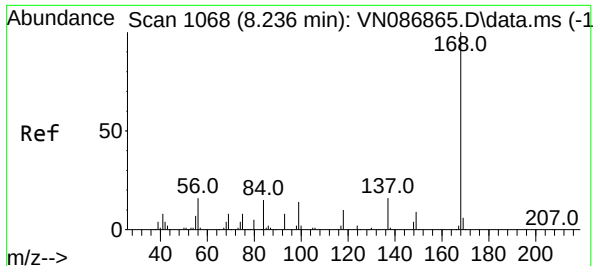
Instrument :
MSVOA_N
ClientSampleId :
3851

Quant Time: Jun 09 13:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

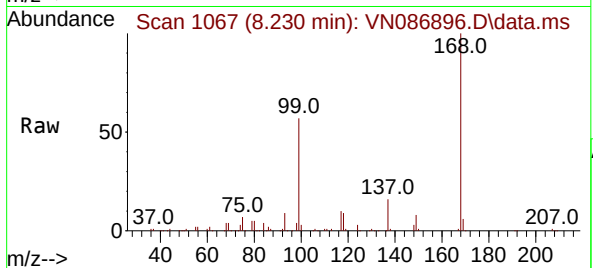
Reviewed By : John Carlone 06/10/2025
Supervised By : Mahesh Dadoda 06/10/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

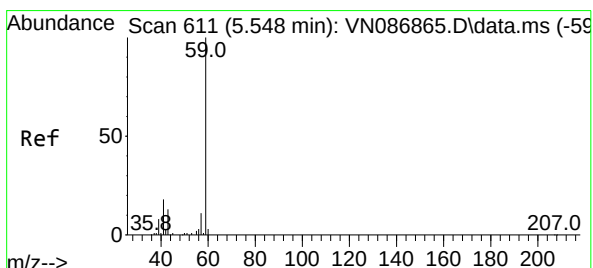
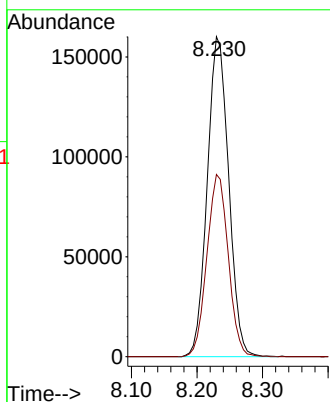
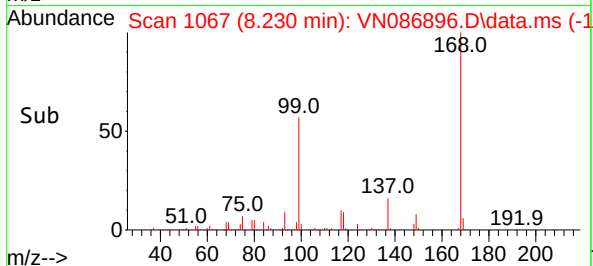
Instrument :
MSVOA_N
ClientSampleId :
3851



Tgt Ion:168 Resp: 36306
Ion Ratio Lower Upper
168 100
99 56.9 49.1 73.7

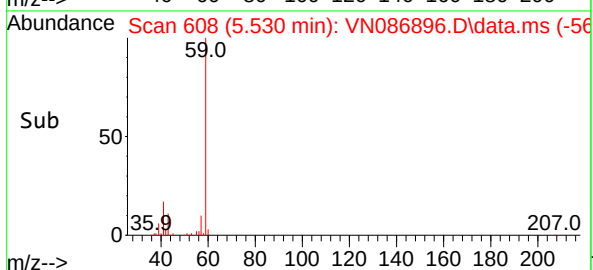
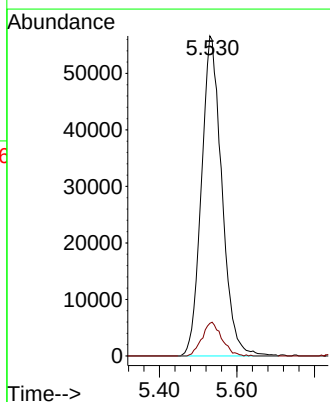
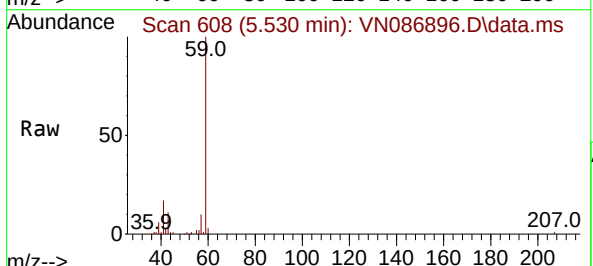
Manual Integrations
APPROVED

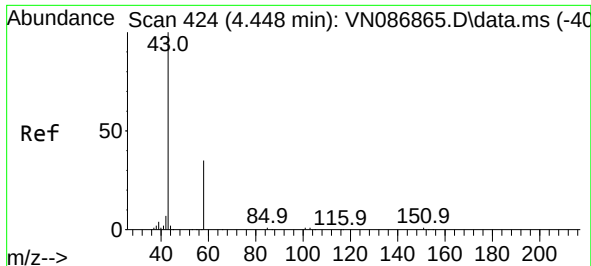
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#11
Tert butyl alcohol
Concen: 157.037 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

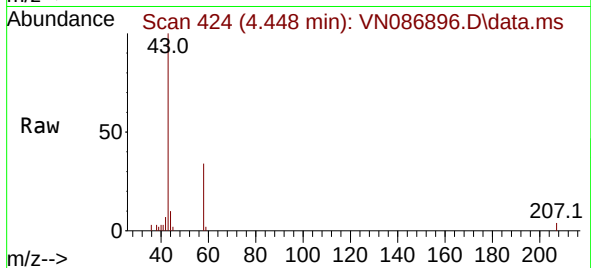
Tgt Ion: 59 Resp: 207129
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1





#16
Acetone
Concen: 12.319 ug/l
RT: 4.448 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

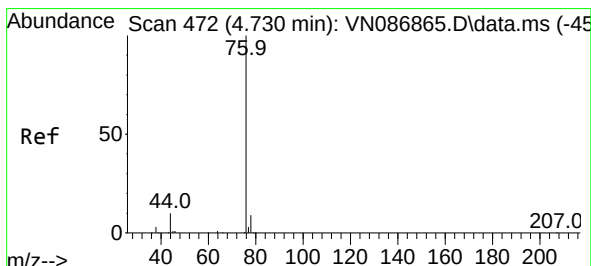
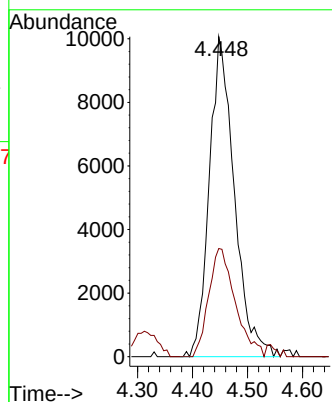
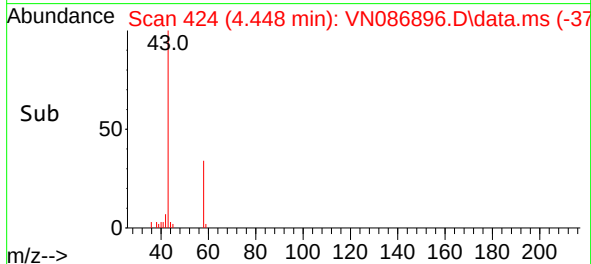
Instrument :
MSVOA_N
ClientSampleId :
3851



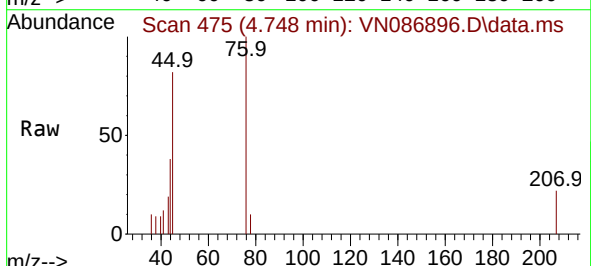
Tgt Ion: 43 Resp: 31750
Ion Ratio Lower Upper
43 100
58 33.8 28.0 42.0

Manual Integrations
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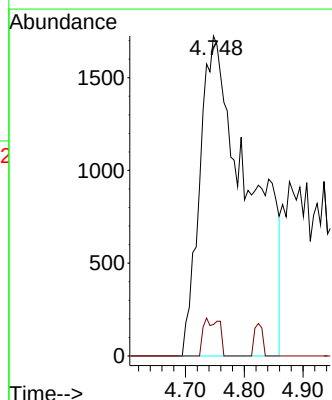
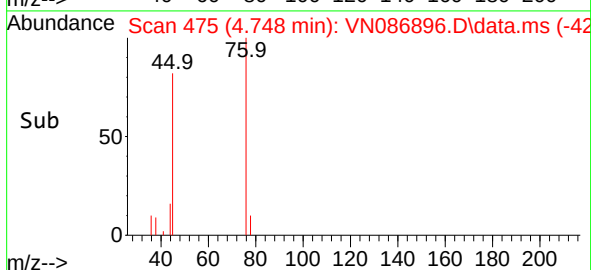
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

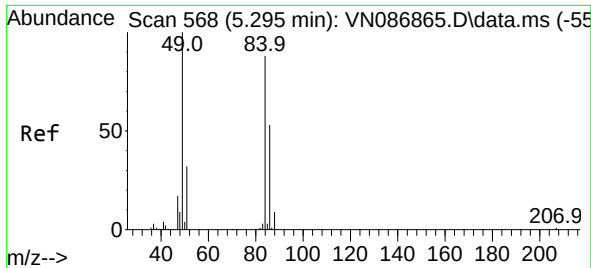


#17
Carbon Disulfide
Concen: 0.897 ug/l m
RT: 4.748 min Scan# 475
Delta R.T. 0.018 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55



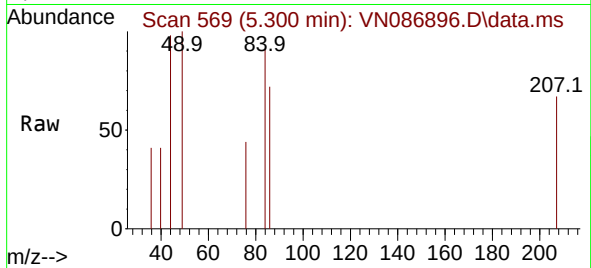
Tgt Ion: 76 Resp: 10029
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9





#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 5.300 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

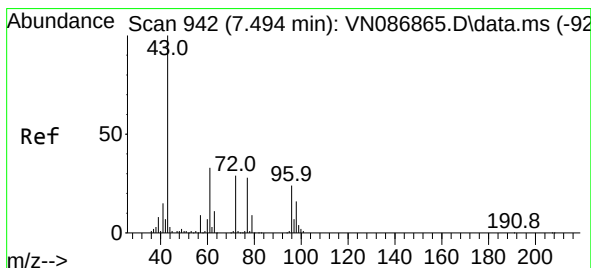
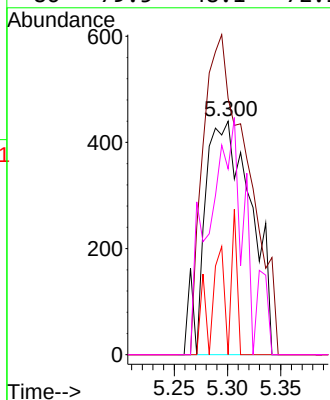
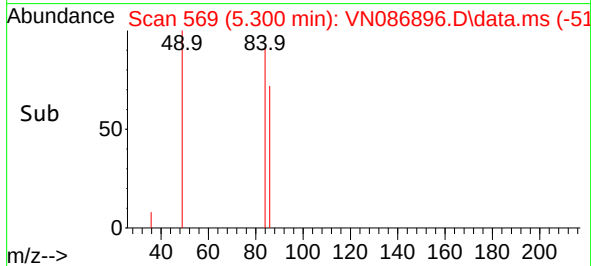
Instrument :
MSVOA_N
ClientSampleId :
3851



Tgt Ion: 84 Resp: 1340
Ion Ratio Lower Upper
84 100
49 109.8 90.5 135.7
51 0.0 28.5 42.7
86 79.5 48.1 72.1#

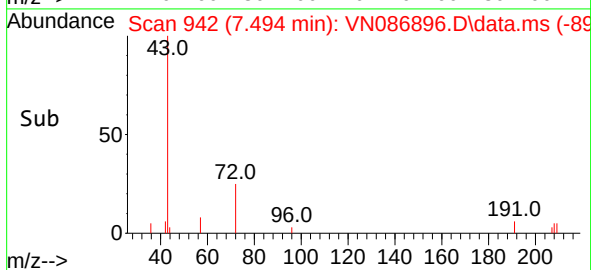
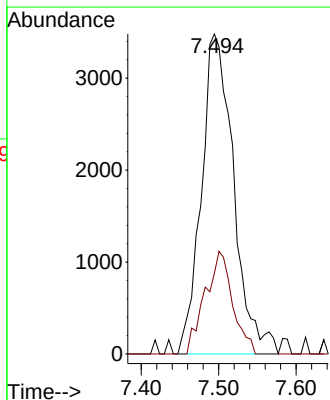
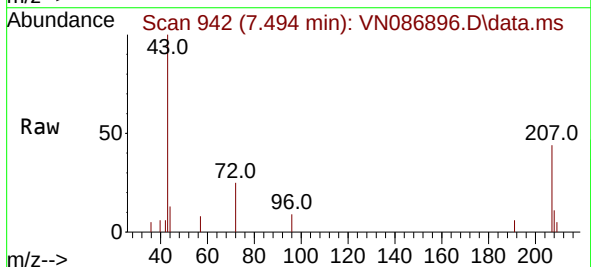
Manual Integrations
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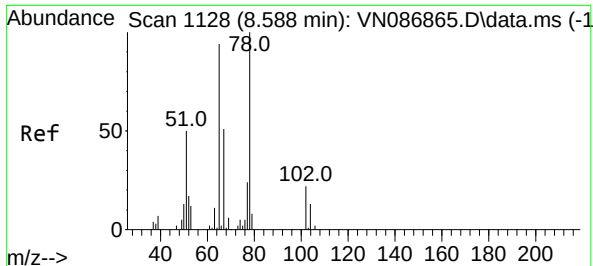
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#25
2-Butanone
Concen: 2.397 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

Tgt Ion: 43 Resp: 10043
Ion Ratio Lower Upper
43 100
72 25.2 23.0 34.6





#33

1,2-Dichloroethane-d4

Concen: 42.640 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN086896.D

Acq: 09 Jun 2025 11:55

Instrument :

MSVOA_N

ClientSampleId :

3851

Tgt Ion: 65 Resp: 207274

Ion Ratio Lower Upper

65 100

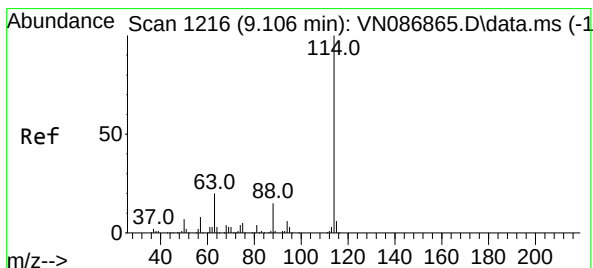
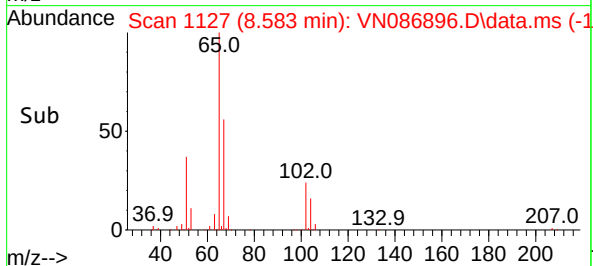
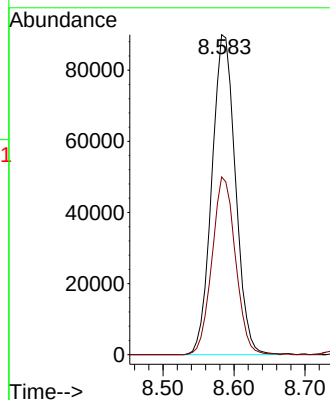
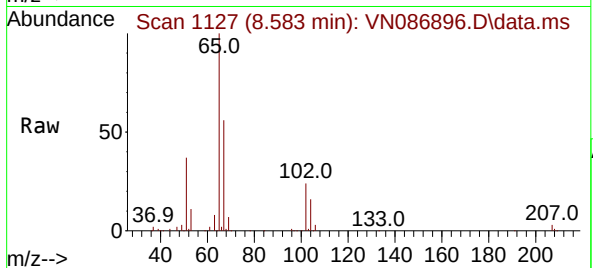
67 55.3 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/10/2025

Supervised By :Mahesh Dadoda 06/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086896.D

Acq: 09 Jun 2025 11:55

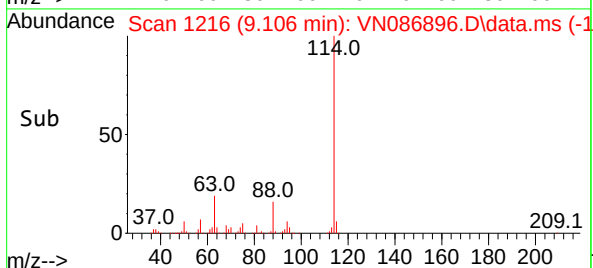
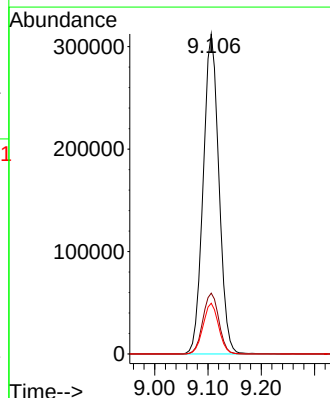
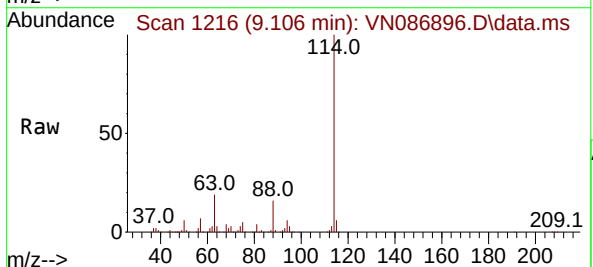
Tgt Ion:114 Resp: 638255

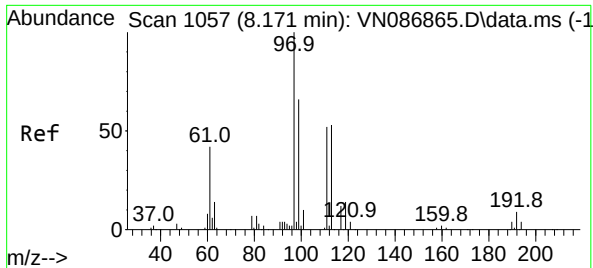
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

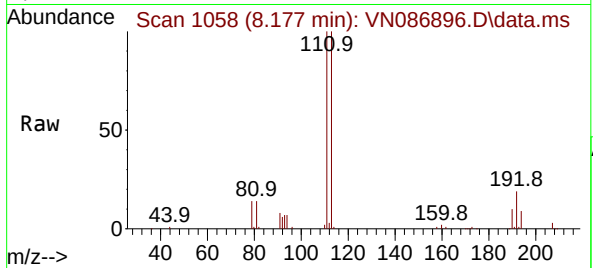
88 15.9 0.0 30.2





#35
Dibromofluoromethane
Concen: 48.125 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

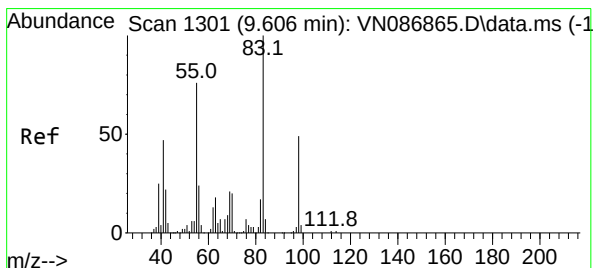
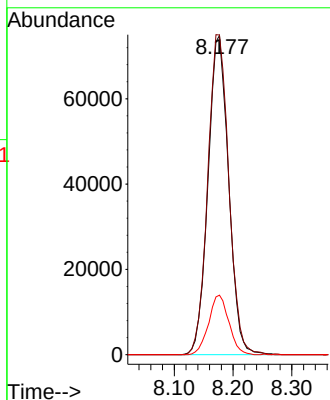
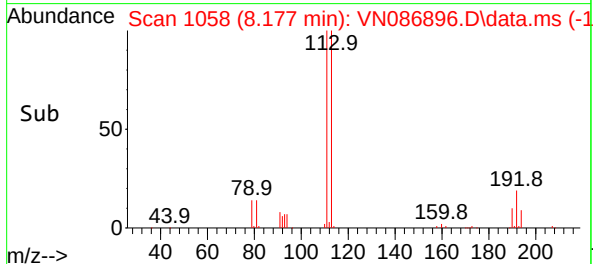
Instrument :
MSVOA_N
ClientSampleId :
3851



Tgt Ion: 113 Resp: 18203
Ion Ratio Lower Upper
113 100
111 102.8 84.2 126.2
192 18.3 14.2 21.4

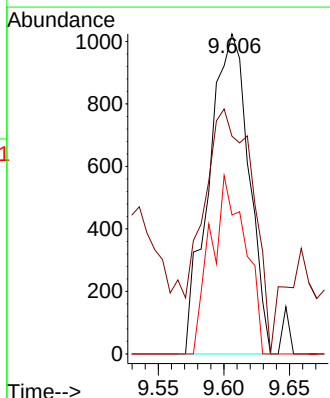
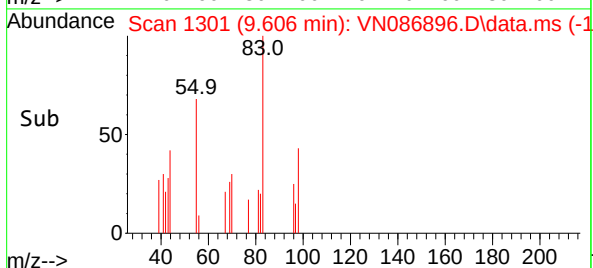
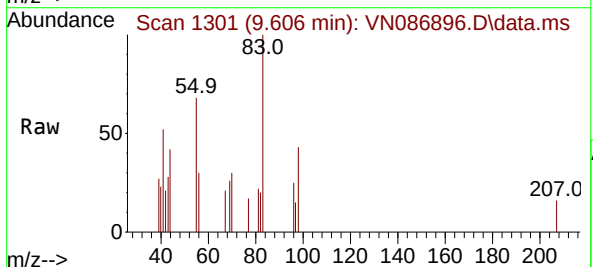
Manual Integrations
APPROVED

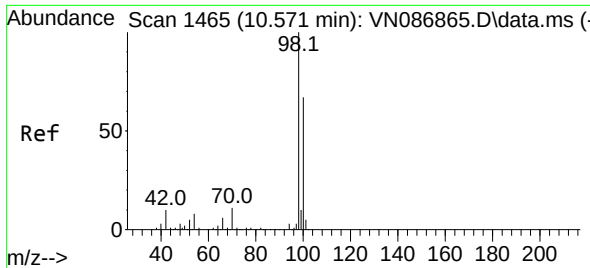
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#39
Methylcyclohexane
Concen: 0.282 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

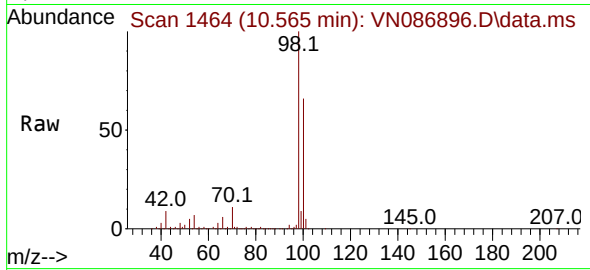
Tgt Ion: 83 Resp: 2176
Ion Ratio Lower Upper
83 100
55 47.1 61.0 91.6#
98 43.5 38.9 58.3





#50
Toluene-d8
Concen: 51.539 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

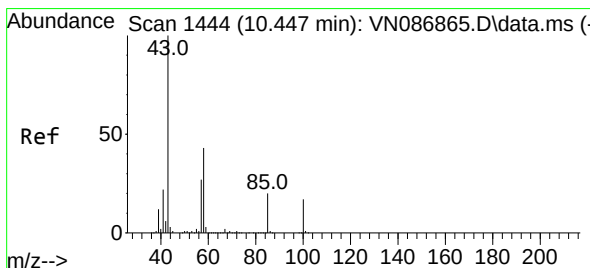
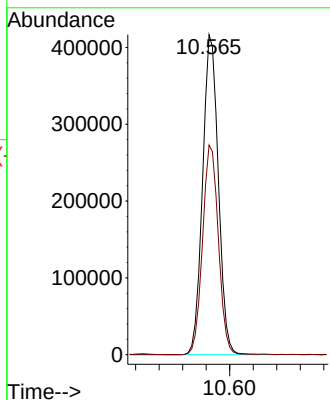
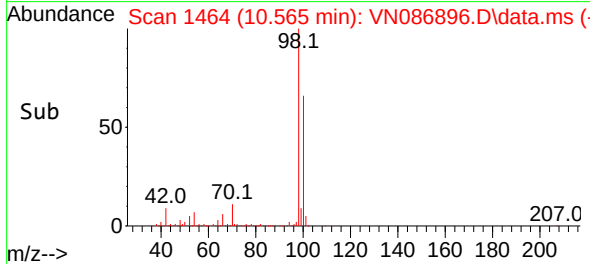
Instrument :
MSVOA_N
ClientSampleId :
3851



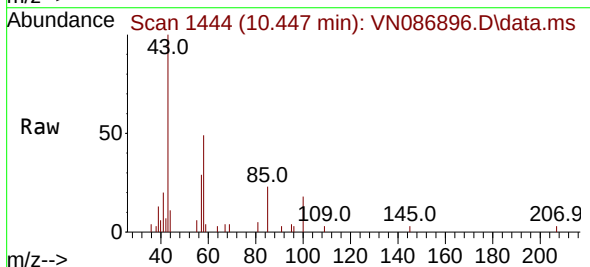
Tgt Ion: 98 Resp: 771729
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0

Manual Integrations
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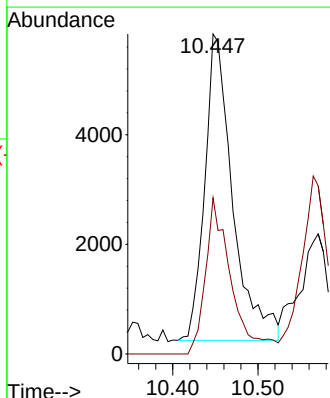
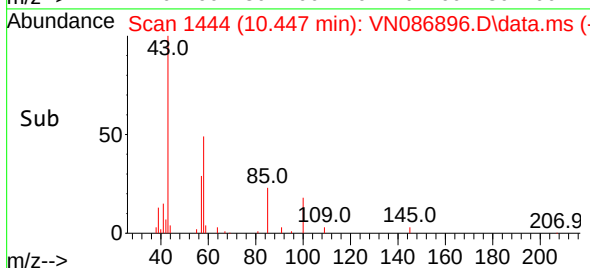
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

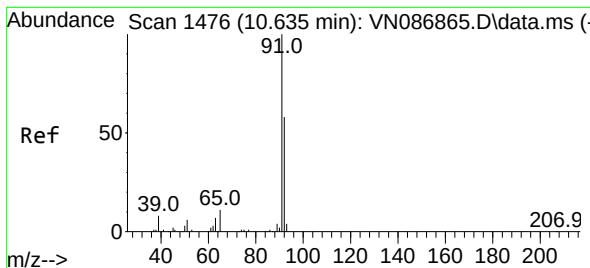


#51
4-Methyl-2-Pentanone
Concen: 1.832 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55



Tgt Ion: 43 Resp: 12703
Ion Ratio Lower Upper
43 100
58 47.2 34.2 51.4





#52

Toluene

Concen: 2.187 ug/l

RT: 10.630 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VN086896.D

Acq: 09 Jun 2025 11:55

Instrument :

MSVOA_N

ClientSampleId :

3851

Tgt Ion: 92 Resp: 24630

Ion Ratio Lower Upper

92 100

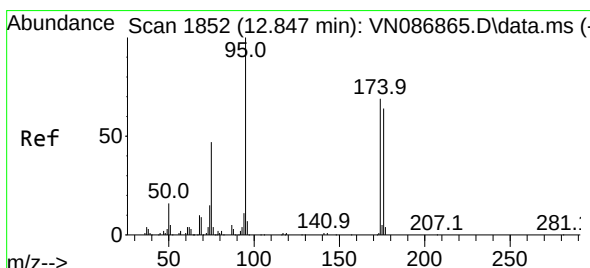
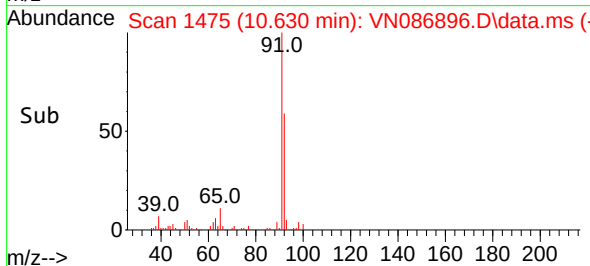
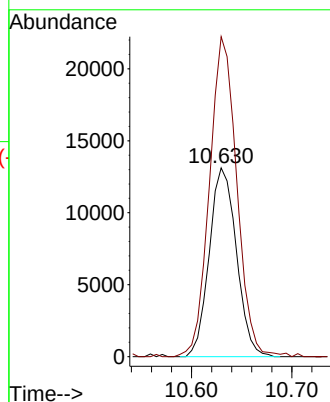
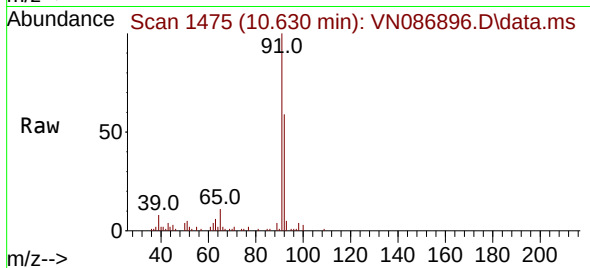
91 171.0 136.5 204.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/10/2025

Supervised By :Mahesh Dadoda 06/10/2025



#62

4-Bromofluorobenzene

Concen: 49.162 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086896.D

Acq: 09 Jun 2025 11:55

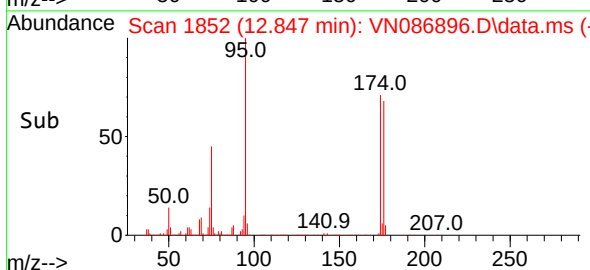
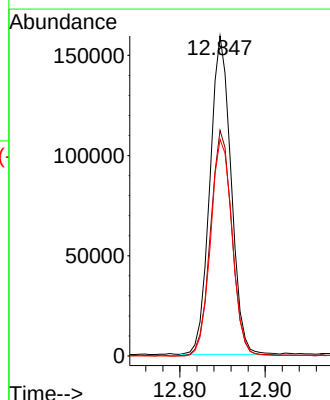
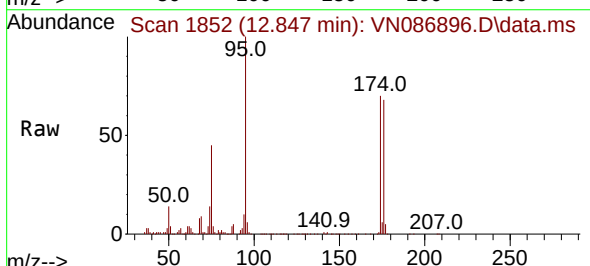
Tgt Ion: 95 Resp: 273497

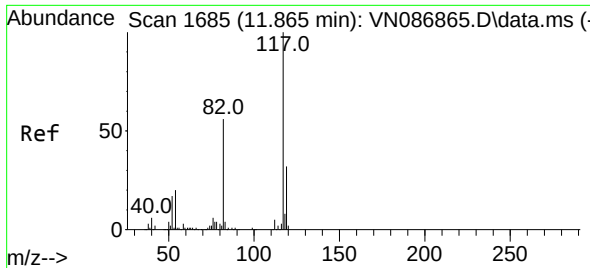
Ion Ratio Lower Upper

95 100

174 72.0 0.0 141.8

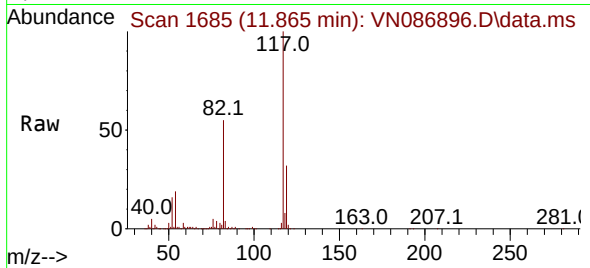
176 69.8 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1185
Delta R.T. -0.000 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

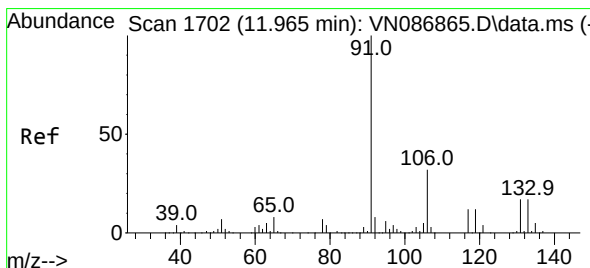
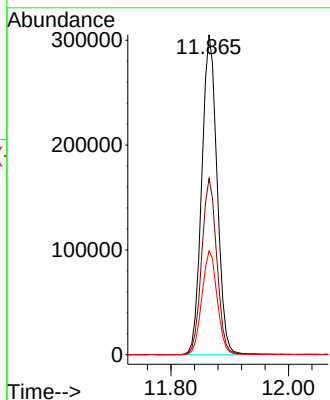
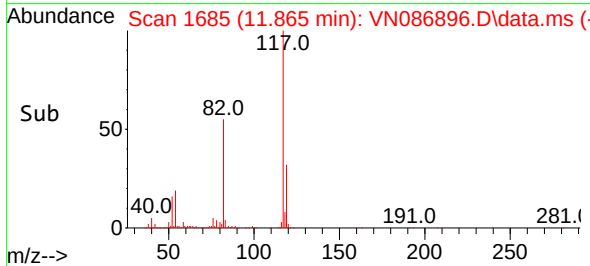
Instrument :
MSVOA_N
ClientSampleId :
3851



Tgt Ion:117 Resp: 551008
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 32.5 25.5 38.3

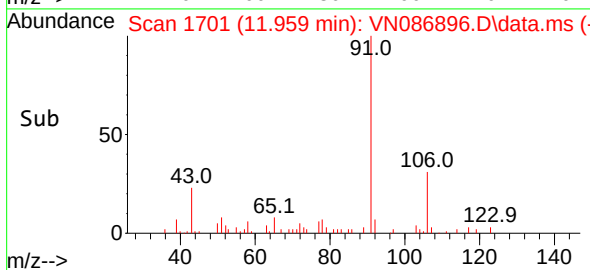
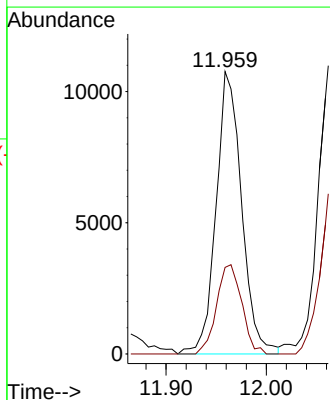
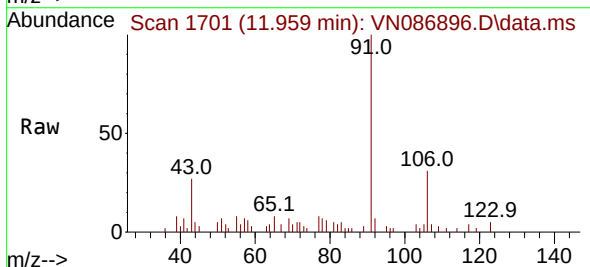
Manual Integrations
APPROVED

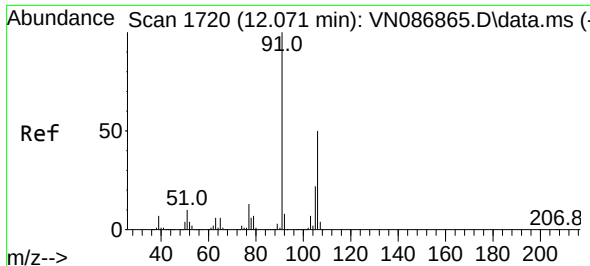
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#67
Ethyl Benzene
Concen: 0.910 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

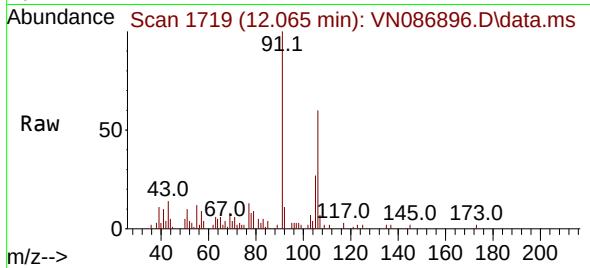
Tgt Ion: 91 Resp: 19052
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2





#68
m/p-Xylenes
Concen: 1.704 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

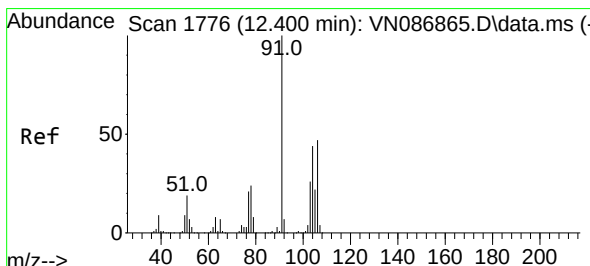
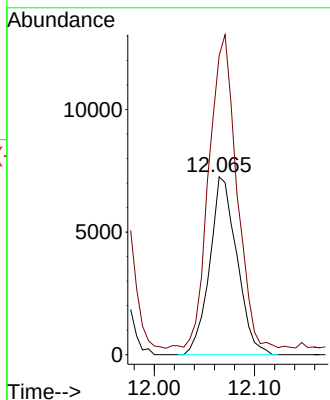
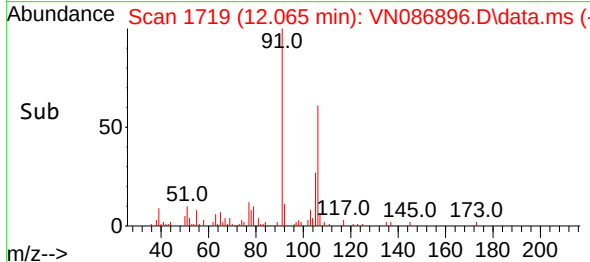
Instrument :
MSVOA_N
ClientSampleId :
3851



Tgt Ion:106 Resp: 1365
Ion Ratio Lower Upper
106 100
91 182.0 159.4 239.0

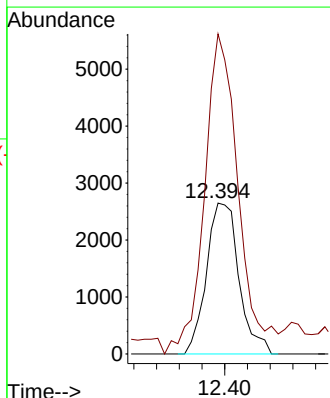
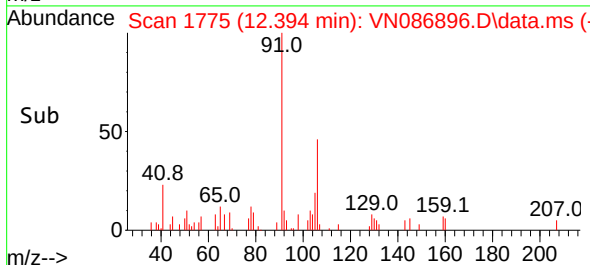
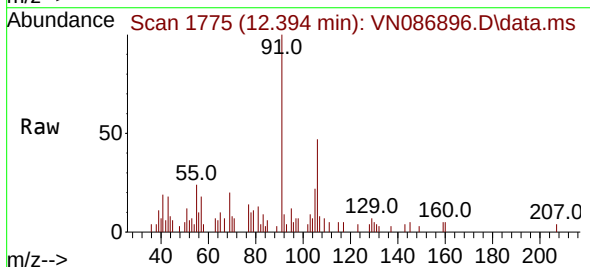
Manual Integrations
APPROVED

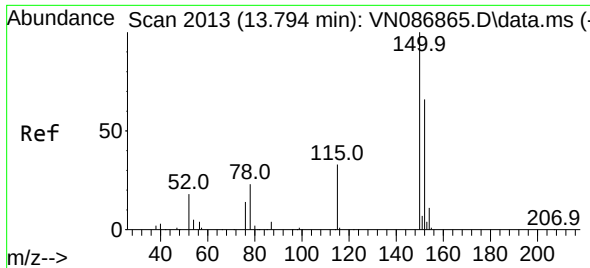
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#69
o-Xylene
Concen: 0.684 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN086896.D
Acq: 09 Jun 2025 11:55

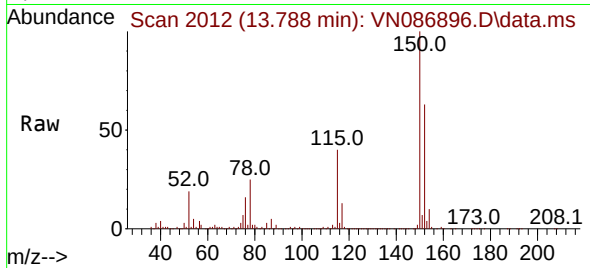
Tgt Ion:106 Resp: 5250
Ion Ratio Lower Upper
106 100
91 221.1 106.1 318.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN086896.D
 Acq: 09 Jun 2025 11:55

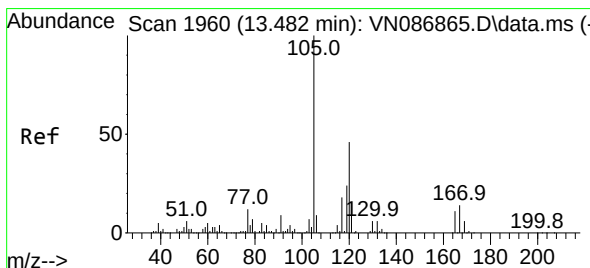
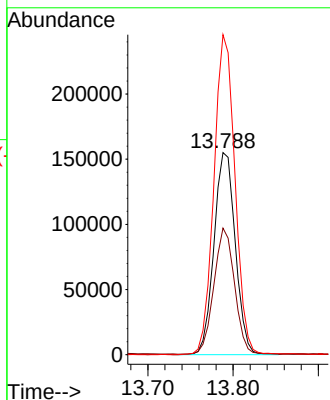
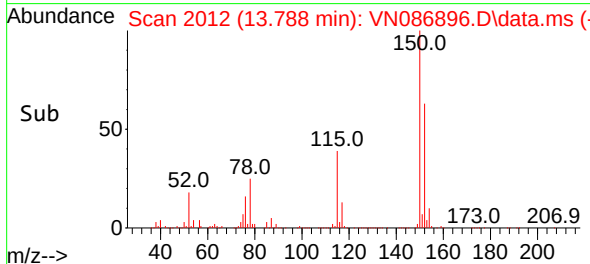
Instrument :
 MSVOA_N
 ClientSampleId :
 3851



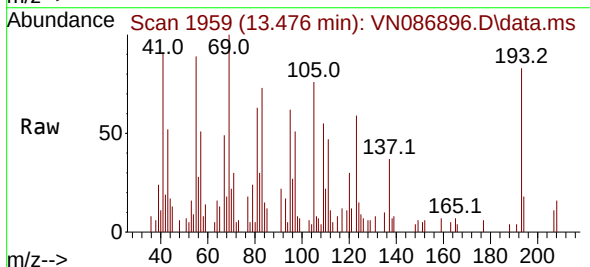
Tgt Ion:152 Resp: 270034
 Ion Ratio Lower Upper
 152 100
 115 60.4 30.1 90.5
 150 156.5 0.0 345.0

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/10/2025
 Supervised By :Mahesh Dadoda 06/10/2025



#84
 1,2,4-Trimethylbenzene
 Concen: 0.315 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.006 min
 Lab File: VN086896.D
 Acq: 09 Jun 2025 11:55



Tgt Ion:105 Resp: 5123
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.6

