

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087535.D
 Acq On : 13 Aug 2025 15:14
 Operator : JC\MD
 Sample : Q2825-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW1

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 04:01:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	225954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	487904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	444655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	213040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	232717	60.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.400%			
35) Dibromofluoromethane	8.153	113	167848	49.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.740%			
50) Toluene-d8	10.547	98	628105	52.319	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.640%			
62) 4-Bromofluorobenzene	12.829	95	231298	52.148	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.300%			
Target Compounds						
					Qvalue	
16) Acetone	4.418	43	9285m	5.165	ug/l	
31) Cyclohexane	8.241	56	42387	8.993	ug/l	95
39) Methylcyclohexane	9.582	83	115469	23.986	ug/l	99
67) Ethyl Benzene	11.941	91	23096	1.405	ug/l	100
68) m/p-Xylenes	12.053	106	5052	0.821	ug/l	74
73) Isopropylbenzene	12.676	105	41734	3.113	ug/l	100
78) n-propylbenzene	13.017	91	91547	5.427	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	20619	1.805	ug/l	91
83) tert-Butylbenzene	13.423	119	11001	1.153	ug/l	90
84) 1,2,4-Trimethylbenzene	13.459	105	284789	24.411	ug/l	97
85) sec-Butylbenzene	13.594	105	58488	4.070	ug/l #	78
86) p-Isopropyltoluene	13.712	119	30231	2.625	ug/l	96
89) n-Butylbenzene	14.035	91	47261m	4.297	ug/l	

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

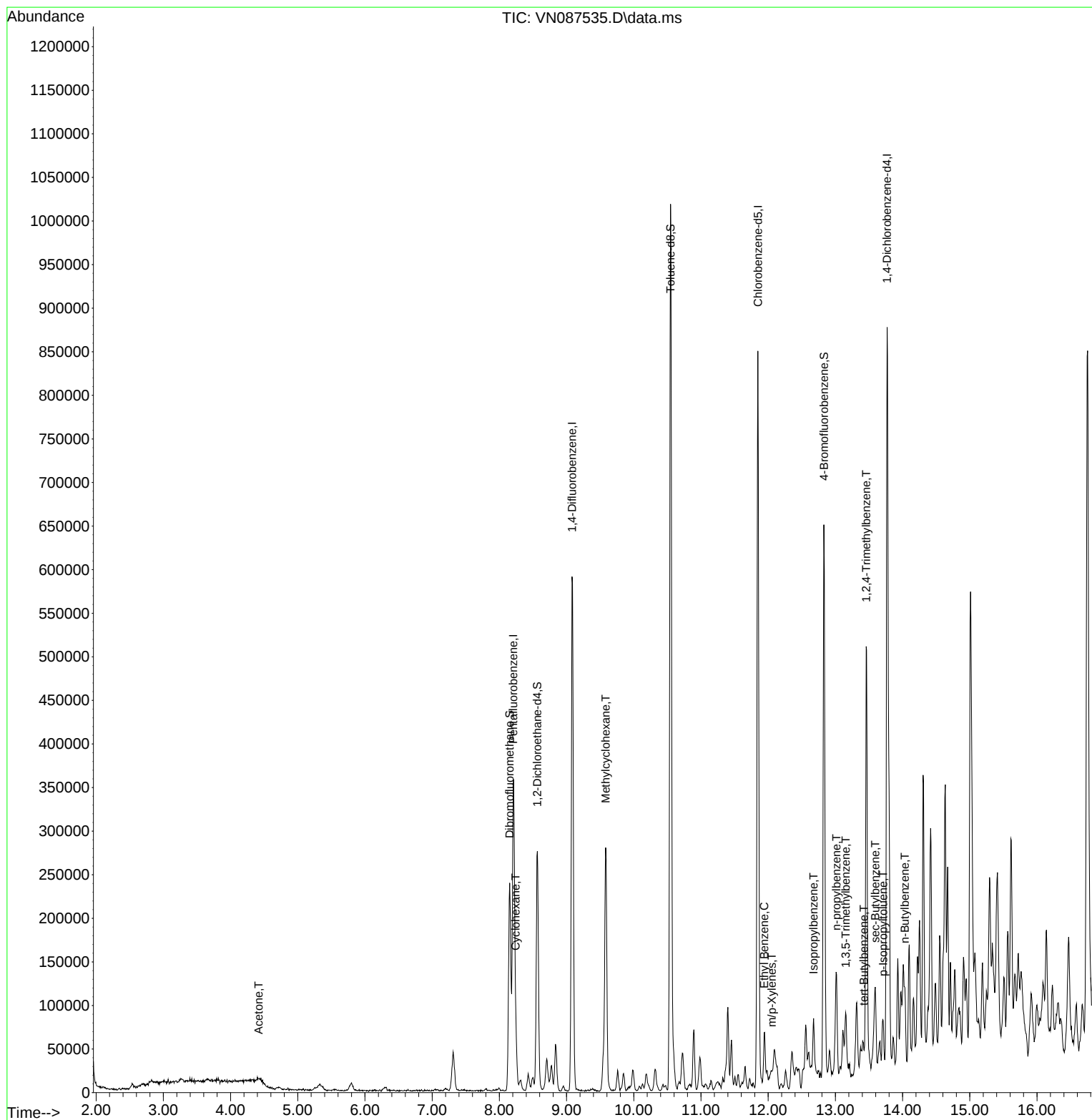
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087535.D
Acq On : 13 Aug 2025 15:14
Operator : JC\MD
Sample : Q2825-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

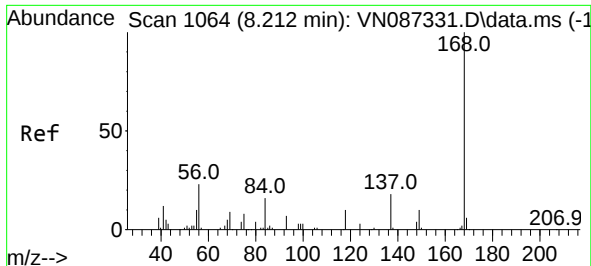
Instrument :
MSVOA_N
ClientSampleId :
TW1

Quant Time: Aug 14 04:01:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

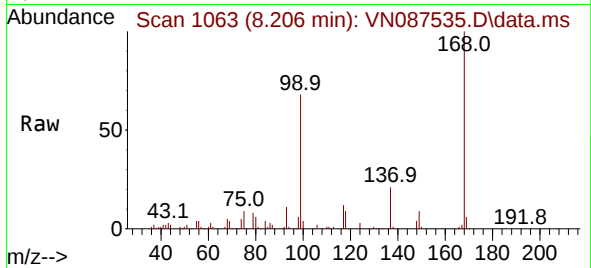
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

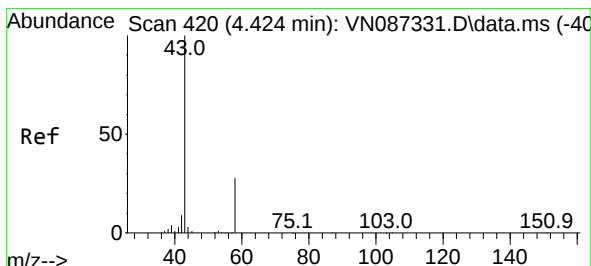
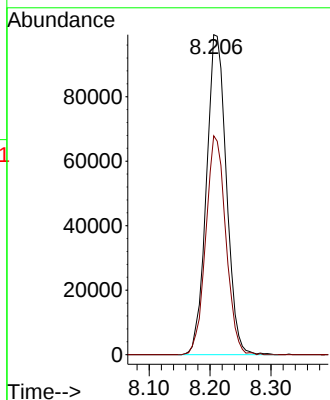
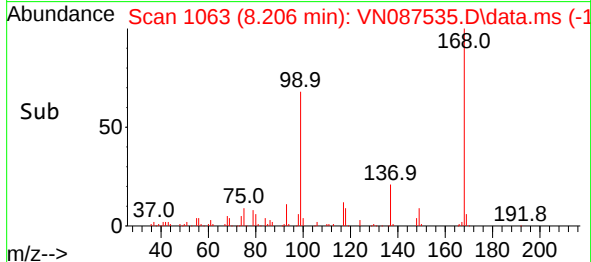
Instrument :
MSVOA_N
ClientSampleId :
TW1



Tgt Ion:168 Resp: 225954
Ion Ratio Lower Upper
168 100
99 68.4 47.9 71.9

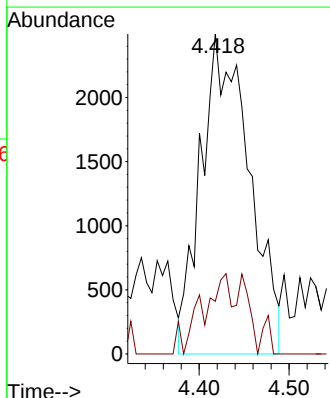
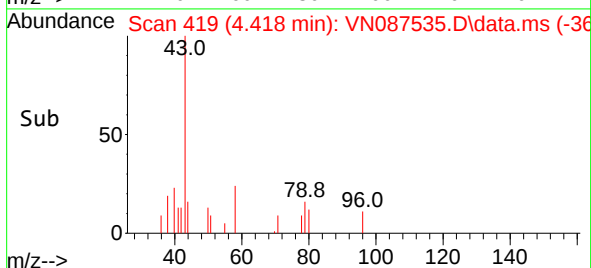
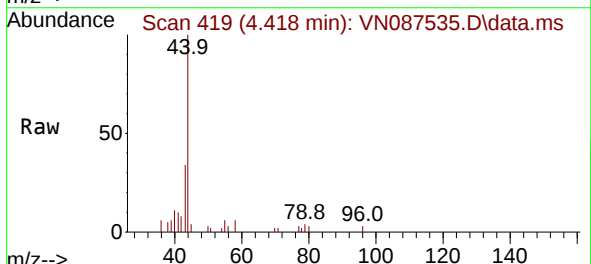
Manual Integrations
APPROVED

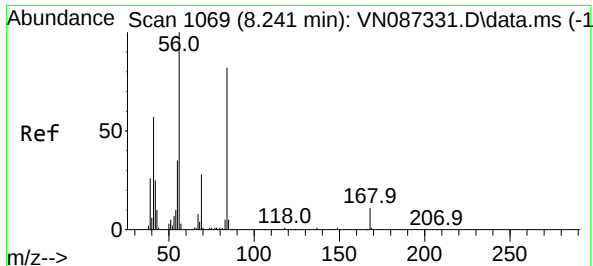
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#16
Acetone
Concen: 5.165 ug/l m
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

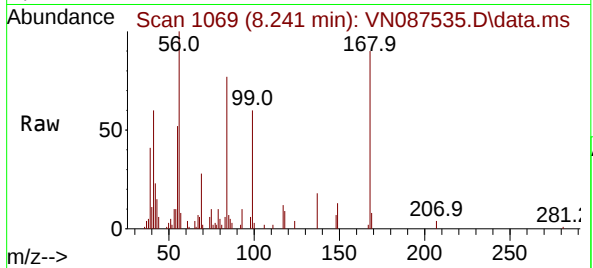
Tgt Ion: 43 Resp: 9285
Ion Ratio Lower Upper
43 100
58 16.4 22.3 33.5#





#31
Cyclohexane
Concen: 8.993 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

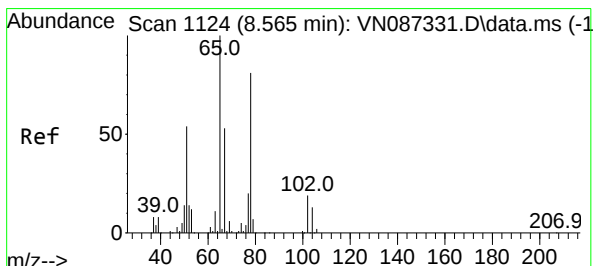
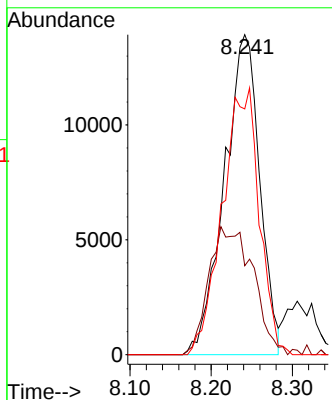
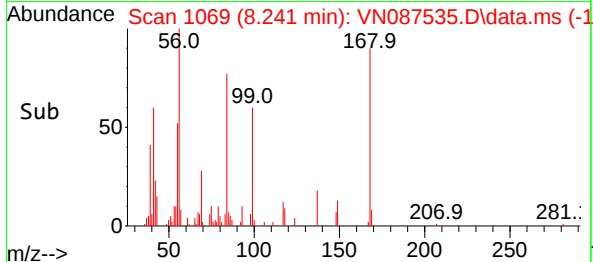
Instrument :
MSVOA_N
ClientSampleId :
TW1



Tgt Ion: 56 Resp: 4238
Ion Ratio Lower Upper
56 100
69 27.8 22.7 34.1
84 76.8 65.8 98.6

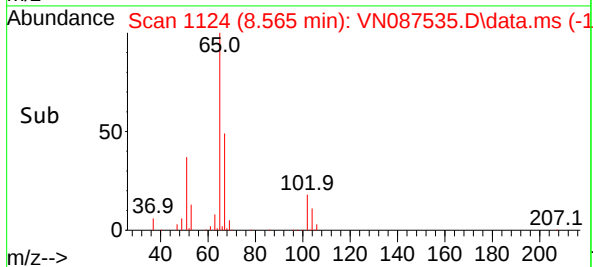
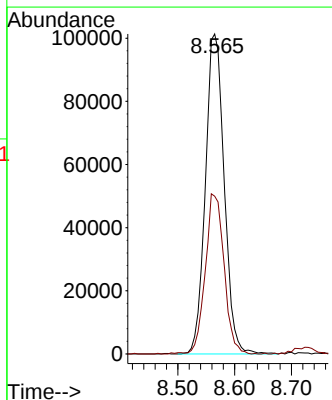
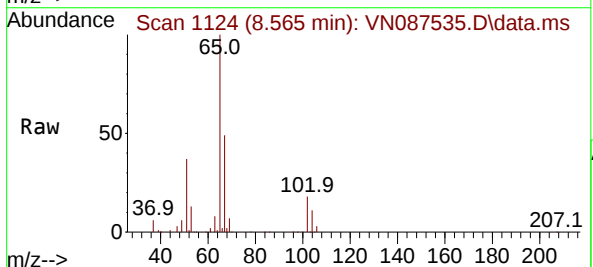
Manual Integrations
APPROVED

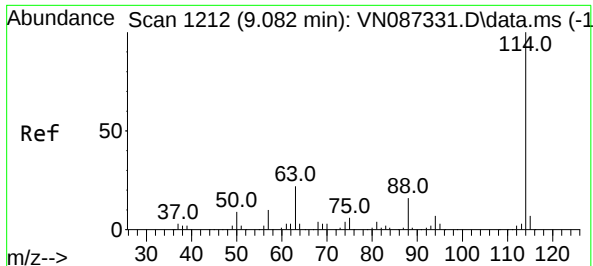
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#33
1,2-Dichloroethane-d4
Concen: 60.699 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion: 65 Resp: 232717
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.0





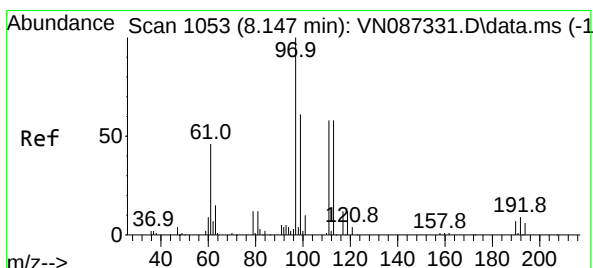
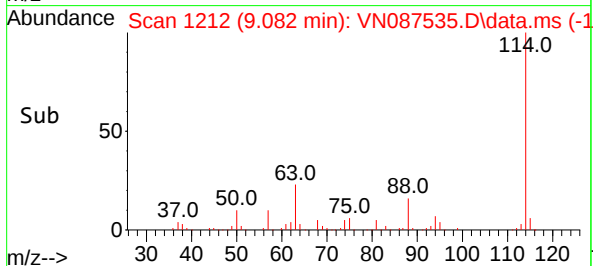
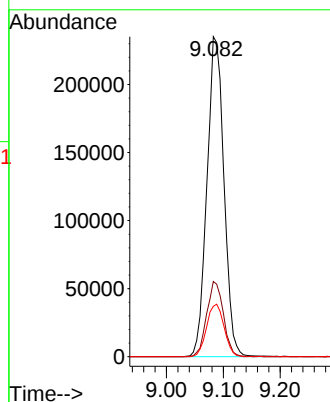
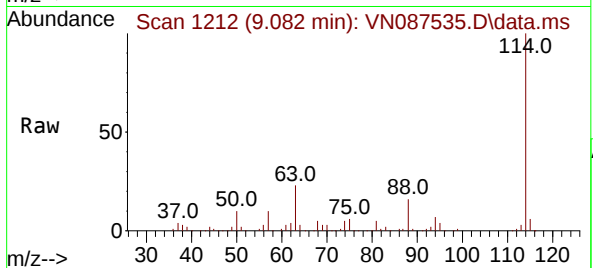
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Instrument :
MSVOA_N
ClientSampleId :
TW1

Tgt Ion:114 Resp: 487904
Ion Ratio Lower Upper
114 100
63 23.5 0.0 44.6
88 15.8 0.0 32.8

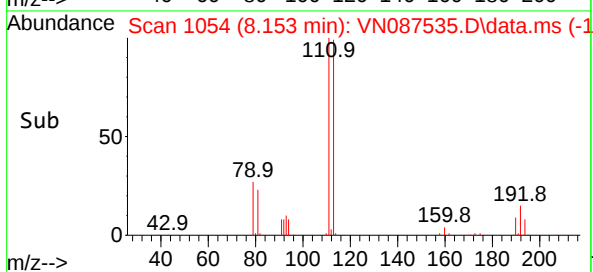
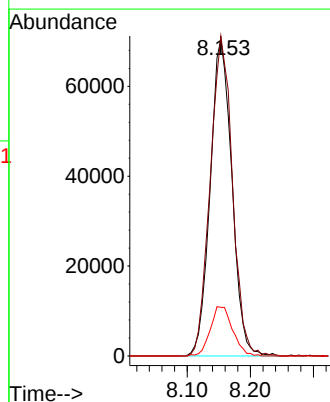
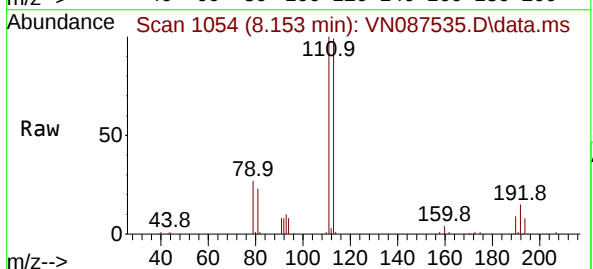
Manual Integrations
APPROVED

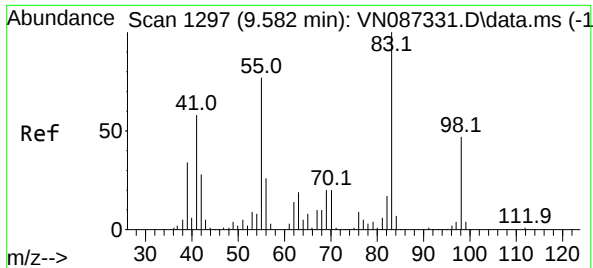
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#35
Dibromofluoromethane
Concen: 49.872 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:113 Resp: 167848
Ion Ratio Lower Upper
113 100
111 103.5 82.5 123.7
192 16.1 13.7 20.5





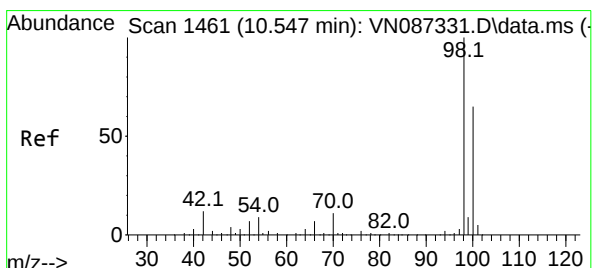
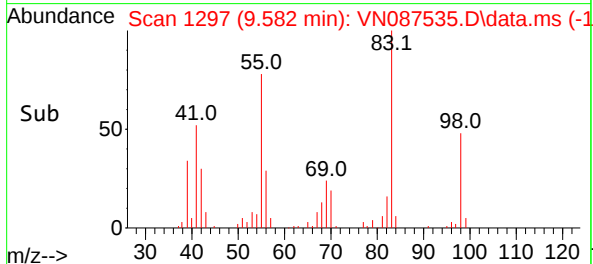
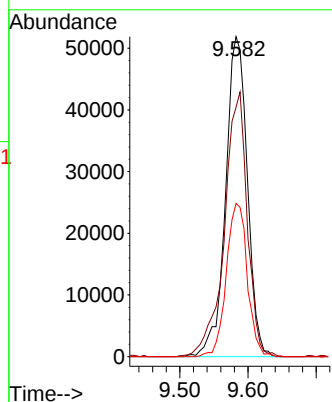
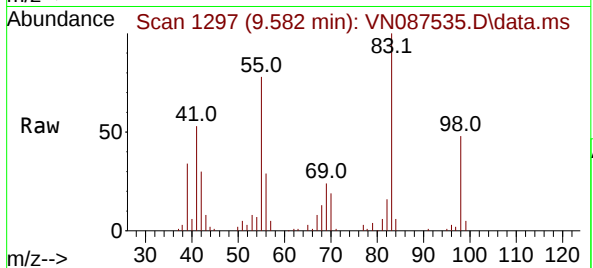
#39
Methylcyclohexane
Concen: 23.986 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Instrument :
MSVOA_N
ClientSampleId :
TW1

Tgt Ion: 83 Resp: 115469
Ion Ratio Lower Upper
83 100
55 77.6 61.3 91.9
98 47.9 37.9 56.9

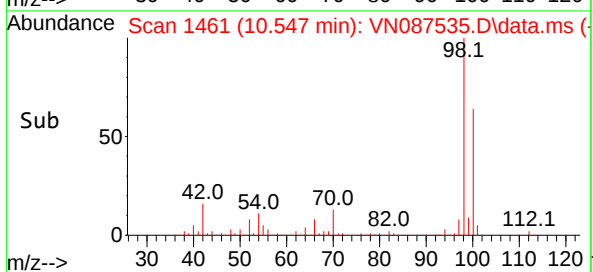
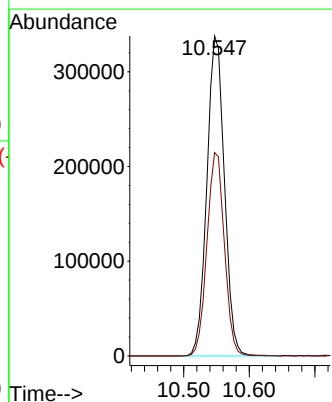
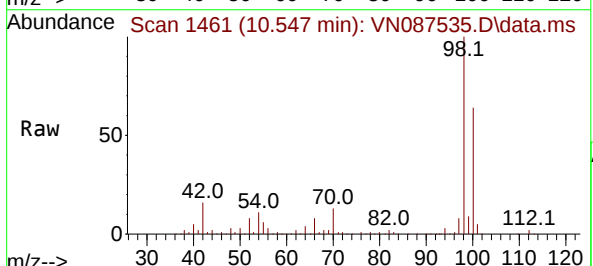
Manual Integrations
APPROVED

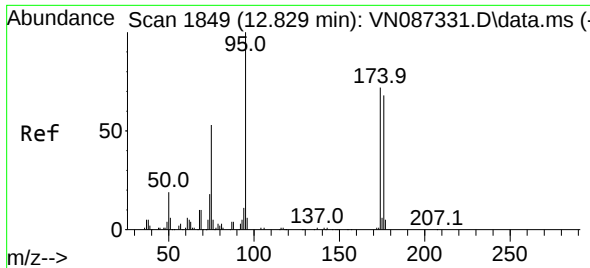
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#50
Toluene-d8
Concen: 52.319 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

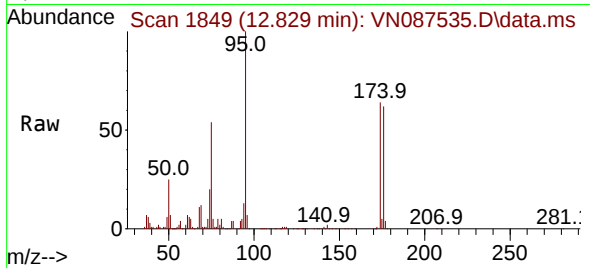
Tgt Ion: 98 Resp: 628105
Ion Ratio Lower Upper
98 100
100 63.2 52.1 78.1





#62
4-Bromofluorobenzene
Concen: 52.148 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

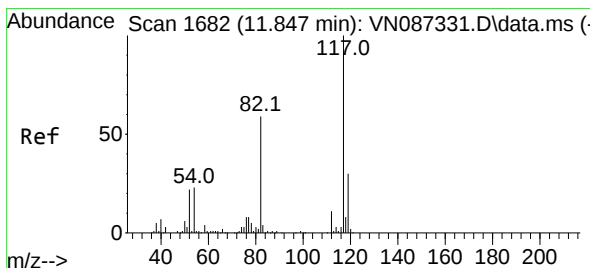
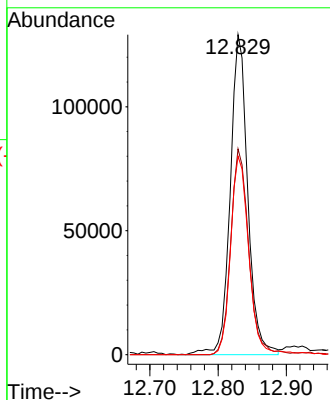
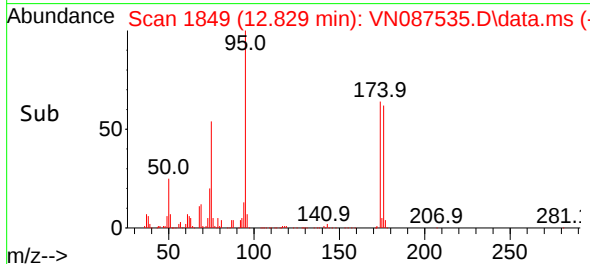
Instrument :
MSVOA_N
ClientSampleId :
TW1



Tgt Ion: 95 Resp: 231298
Ion Ratio Lower Upper
95 100
174 65.9 0.0 149.4
176 64.1 0.0 141.2

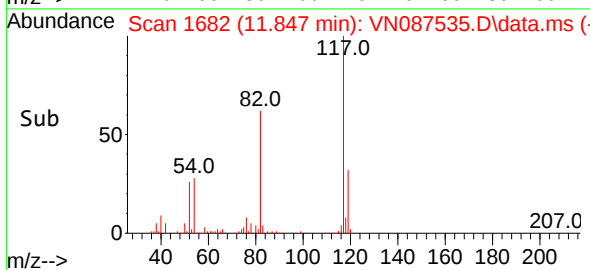
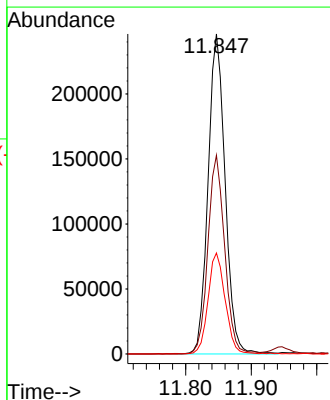
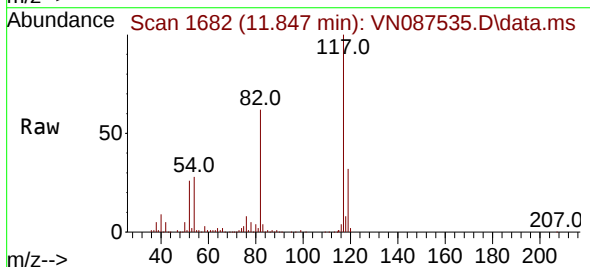
Manual Integrations
APPROVED

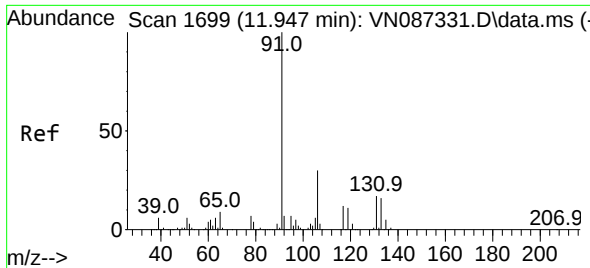
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

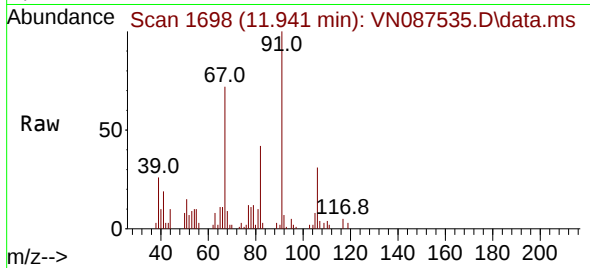
Tgt Ion:117 Resp: 444655
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 31.5 23.8 35.8





#67
Ethyl Benzene
Concen: 1.405 ug/l
RT: 11.941 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

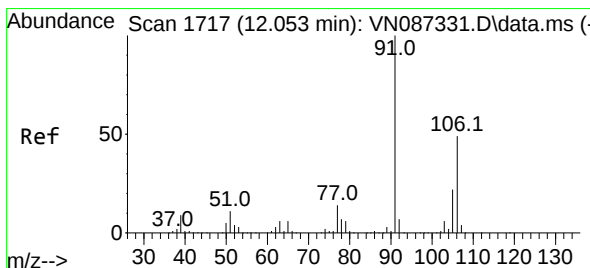
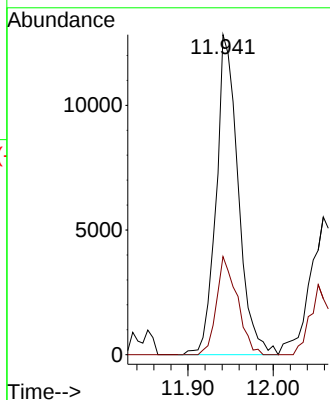
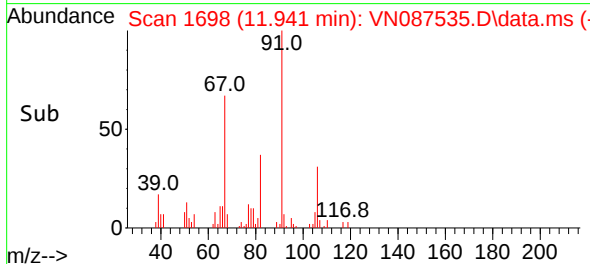
Instrument :
MSVOA_N
ClientSampleId :
TW1



Tgt Ion: 91 Resp: 23090
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5

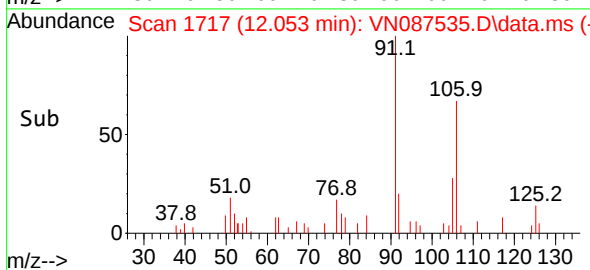
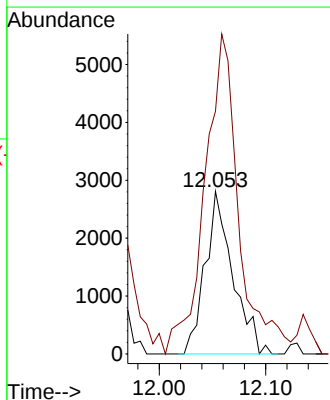
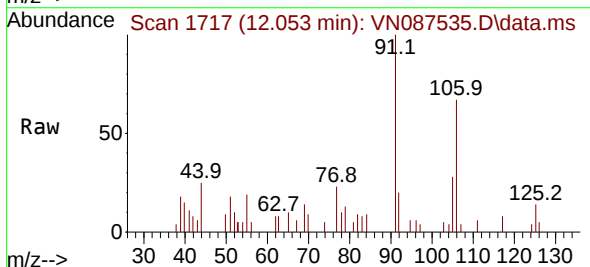
Manual Integrations
APPROVED

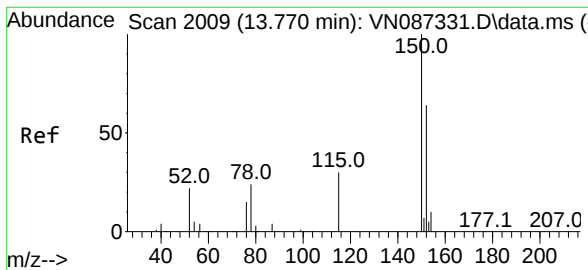
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#68
m/p-Xylenes
Concen: 0.821 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

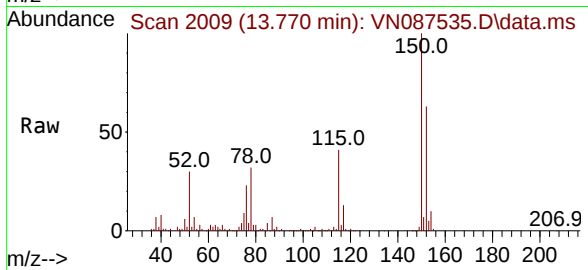
Tgt Ion:106 Resp: 5052
Ion Ratio Lower Upper
106 100
91 241.9 162.0 243.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

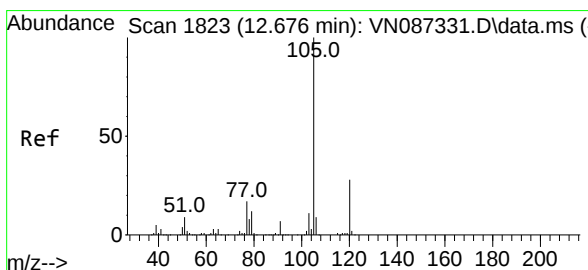
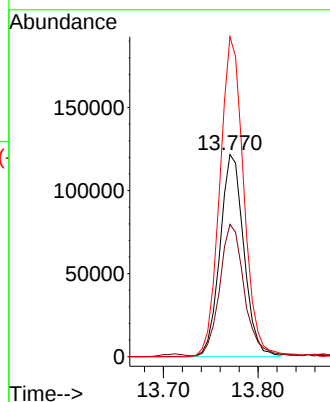
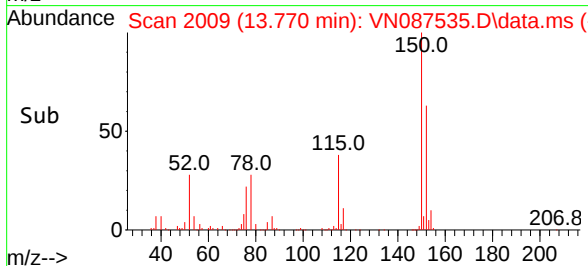
Instrument :
MSVOA_N
ClientSampleId :
TW1



Tgt Ion:152 Resp: 213040
Ion Ratio Lower Upper
152 100
115 67.2 31.1 93.5
150 159.4 0.0 349.0

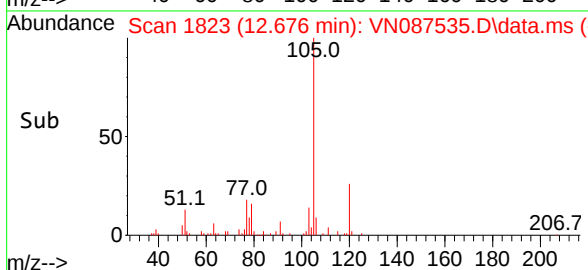
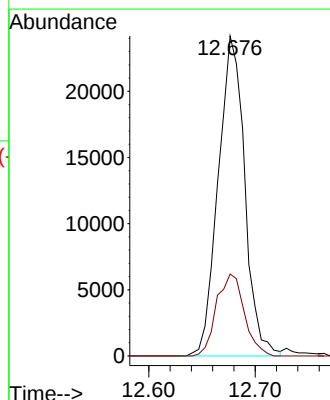
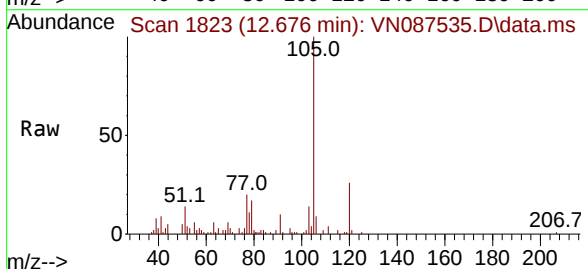
Manual Integrations
APPROVED

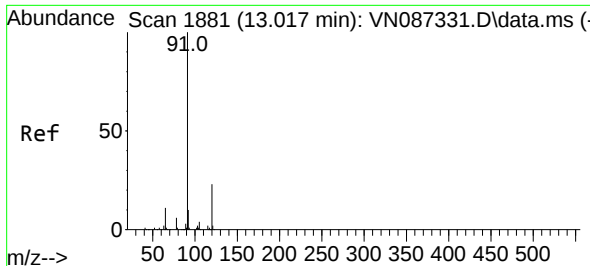
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#73
Isopropylbenzene
Concen: 3.113 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

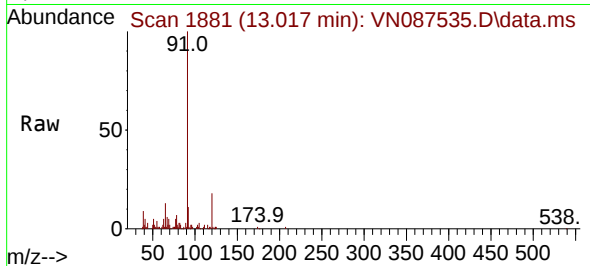
Tgt Ion:105 Resp: 41734
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1





#78
n-propylbenzene
Concen: 5.427 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

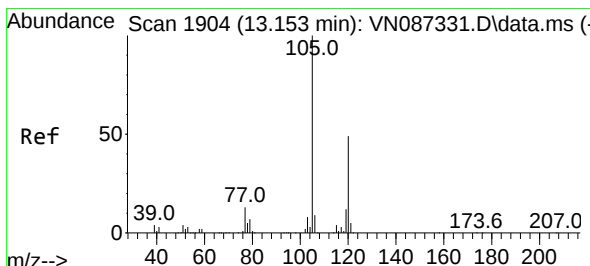
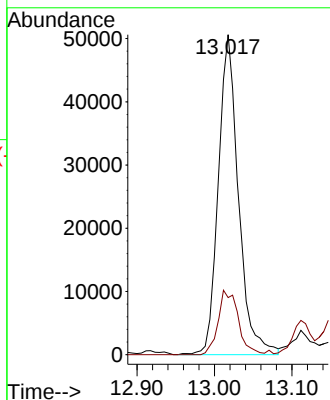
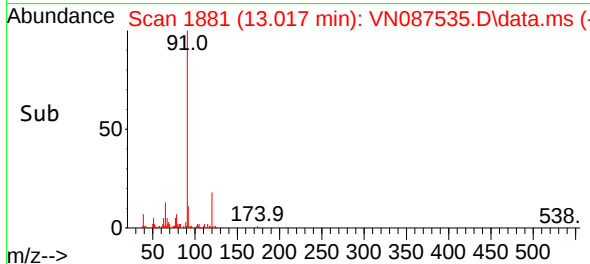
Instrument :
MSVOA_N
ClientSampleId :
TW1



Tgt Ion: 91 Resp: 9154
Ion Ratio Lower Upper
91 100
120 20.1 11.3 33.8

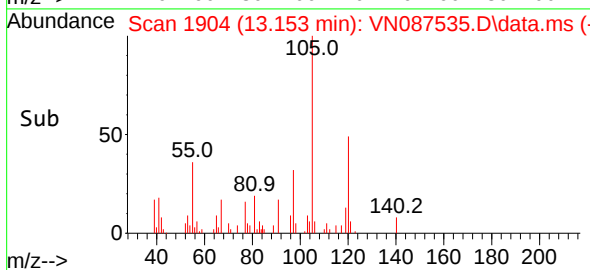
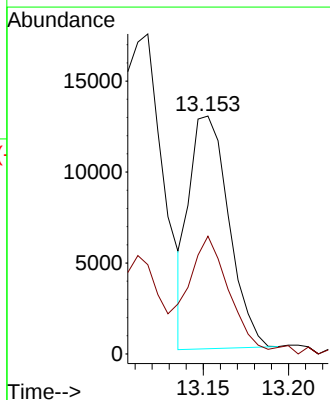
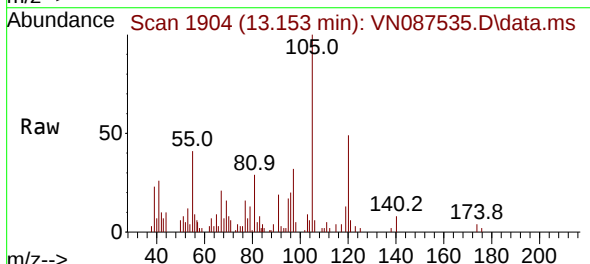
Manual Integrations
APPROVED

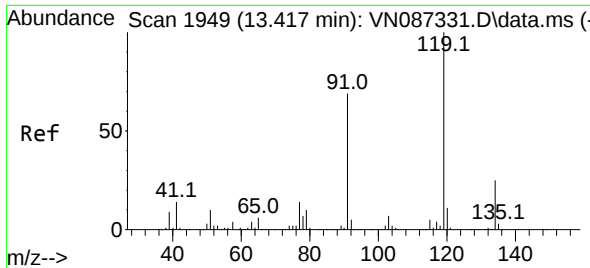
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#80
1,3,5-Trimethylbenzene
Concen: 1.805 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:105 Resp: 20619
Ion Ratio Lower Upper
105 100
120 54.8 24.3 72.8





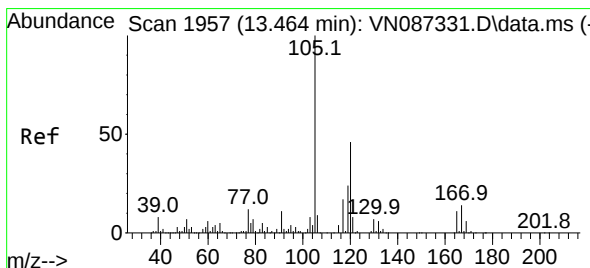
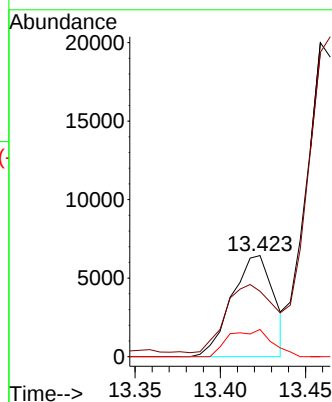
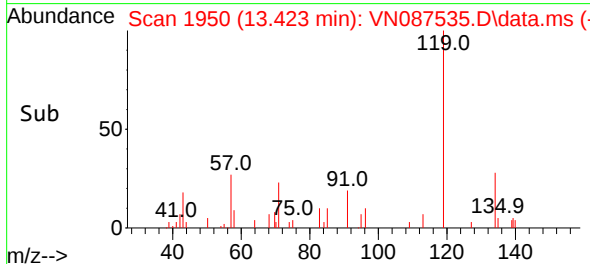
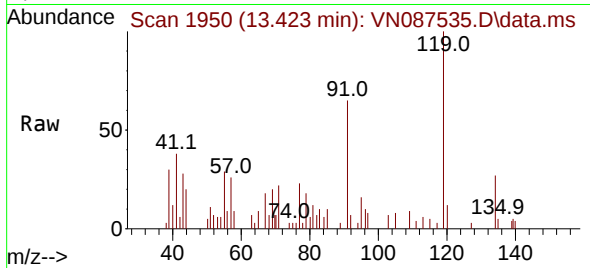
#83
tert-Butylbenzene
Concen: 1.153 ug/l
RT: 13.423 min Scan# 1950
Delta R.T. 0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Instrument :
MSVOA_N
ClientSampleId :
TW1

Tgt Ion:119 Resp: 1100
Ion Ratio Lower Upper
119 100
91 80.2 35.0 105.1
134 27.7 12.6 37.6

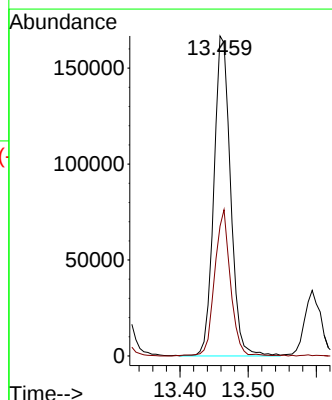
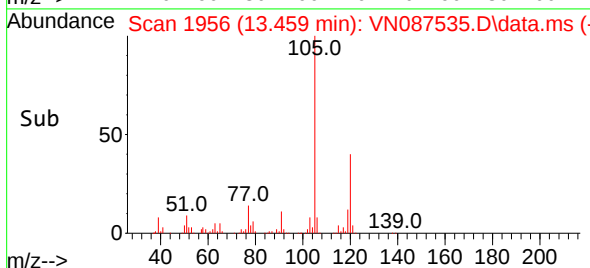
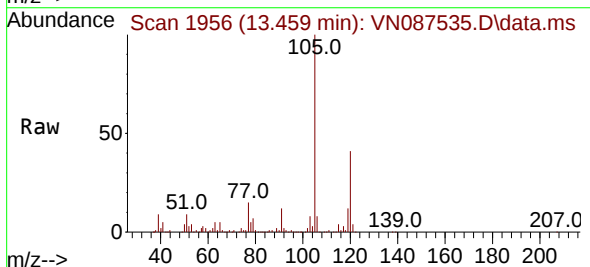
Manual Integrations
APPROVED

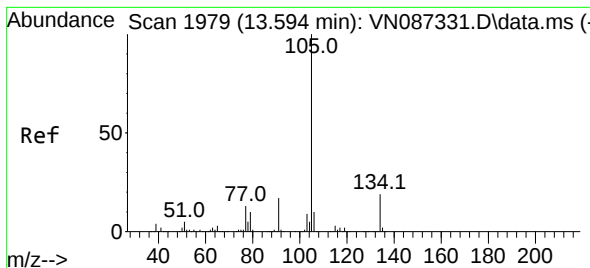
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#84
1,2,4-Trimethylbenzene
Concen: 24.411 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VN087535.D
Acq: 13 Aug 2025 15:14

Tgt Ion:105 Resp: 284789
Ion Ratio Lower Upper
105 100
120 43.3 22.8 68.3





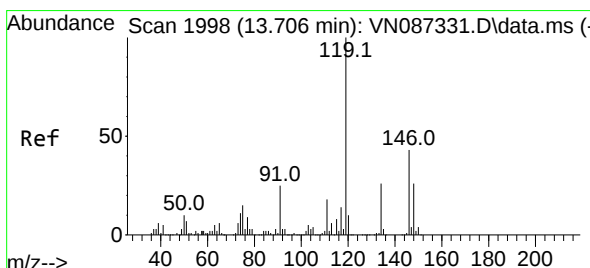
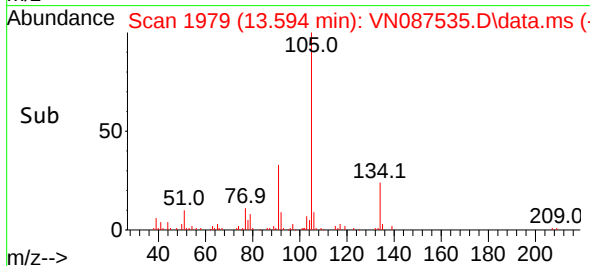
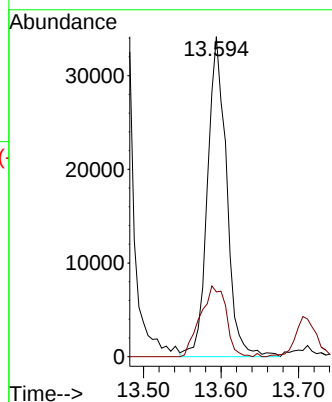
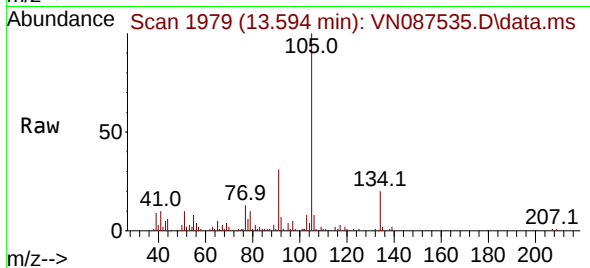
#85
 sec-Butylbenzene
 Concen: 4.070 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087535.D
 Acq: 13 Aug 2025 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TW1

Tgt Ion:105 Resp: 5848
 Ion Ratio Lower Upper
 105 100
 134 29.8 9.8 29.4

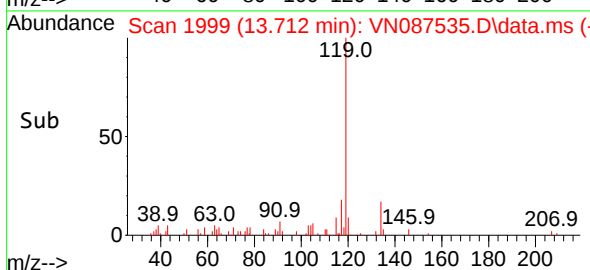
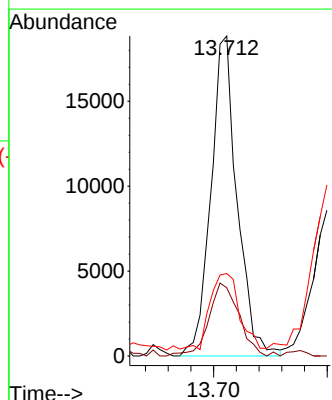
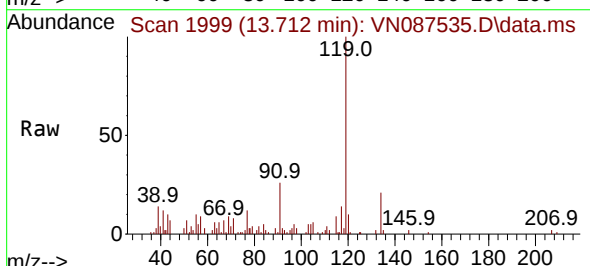
Manual Integrations
 APPROVED

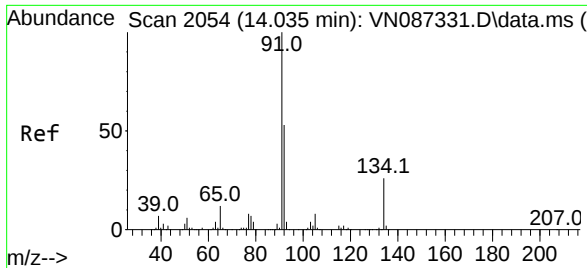
Reviewed By :John Carlone 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025



#86
 p-Isopropyltoluene
 Concen: 2.625 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: VN087535.D
 Acq: 13 Aug 2025 15:14

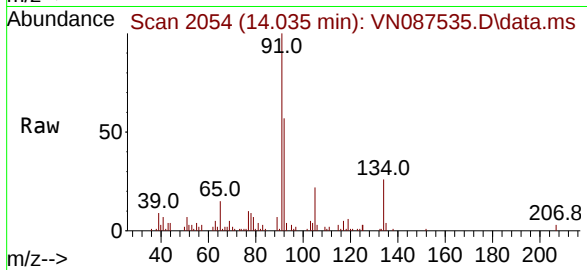
Tgt Ion:119 Resp: 30231
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.5 40.5
 91 27.3 12.2 36.6





#89
 n-Butylbenzene
 Concen: 4.297 ug/l m
 RT: 14.035 min Scan# 2054
 Delta R.T. 0.000 min
 Lab File: VN087535.D
 Acq: 13 Aug 2025 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TW1



Tgt Ion:	91	Resp:	4726
Ion Ratio	Lower	Upper	
91	100		
92	53.2	26.2	78.6
134	0.0	12.4	37.2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

