

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
 Data File : VN087600.D
 Acq On : 18 Aug 2025 11:57
 Operator : JC\MD
 Sample : Q2845-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002 35th Ave (july)

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/19/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 18 15:12:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	48558	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	265247	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	239168	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	134274	29.980	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.933%		
60) 4-Bromofluorobenzene	12.823	95	112209	27.262	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.867%		
63) Toluene-d8	10.547	98	325480	29.576	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.600%		
Target Compounds						
15) Acetone	4.424	58	67446	110.148	ug/l	97
30) 2-Butanone	7.477	43	65833	20.644	ug/l #	82
58) 4-Methyl-2-Pentanone	10.429	43	25640	4.167	ug/l	99
62) Toluene	10.612	91	3077162	208.459	ug/l	100
66) Ethyl Benzene	11.941	91	4783m	0.291	ug/l	
76) 1,3,5-Trimethylbenzene	13.147	105	4059	0.314	ug/l	78
80) 1,2,4-Trimethylbenzene	13.465	105	13024	1.008	ug/l	95
82) p-Isopropyltoluene	13.706	119	30022	2.279	ug/l	93
91) Naphthalene	15.611	128	5978	0.412	ug/l	96

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

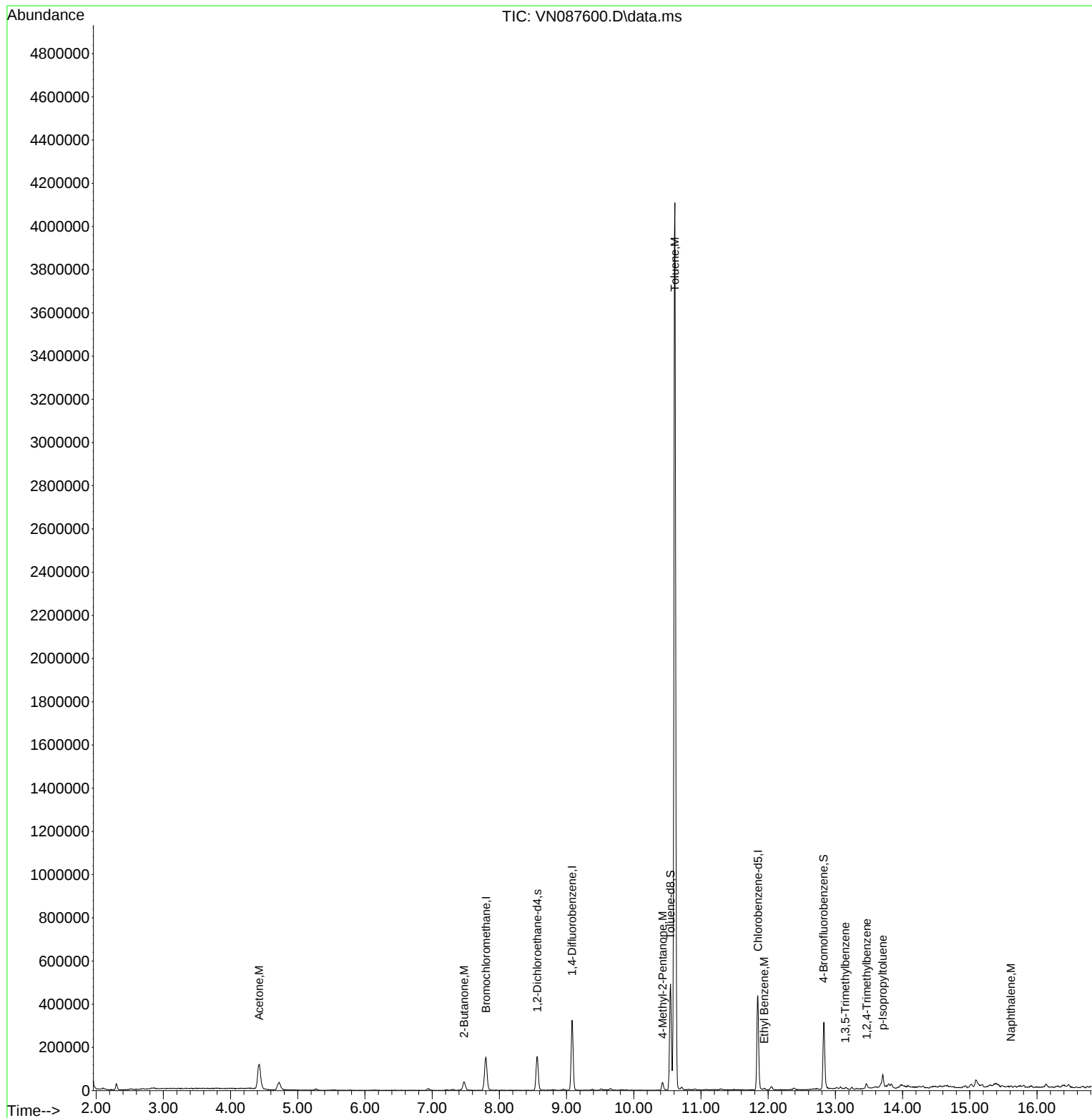
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087600.D
Acq On : 18 Aug 2025 11:57
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Instrument :
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ClientSampleId :
002 35th Ave (july)

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Quant Time: Aug 18 15:12:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration





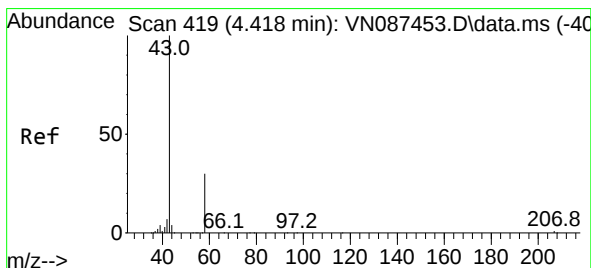
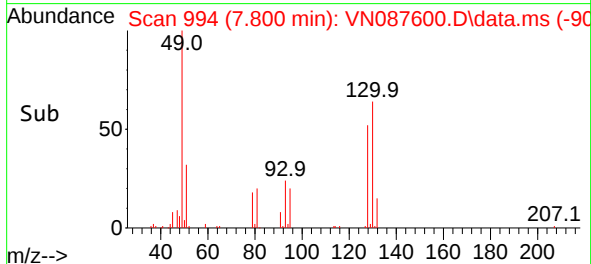
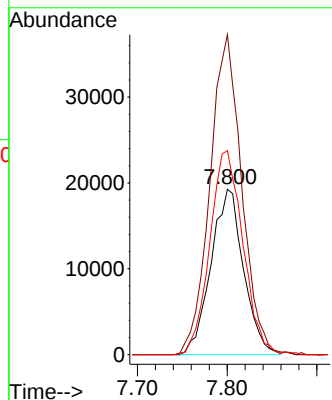
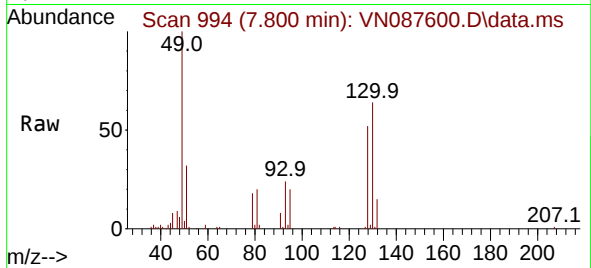
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)

Tgt Ion:128 Resp: 48558
Ion Ratio Lower Upper
128 100
49 188.7 0.0 494.8
130 125.6 0.0 321.5

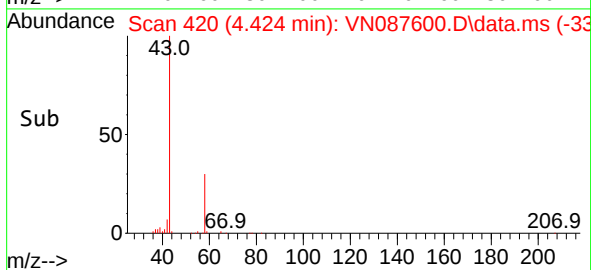
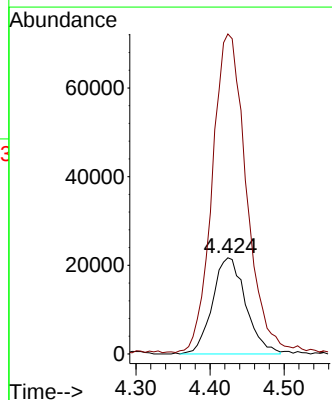
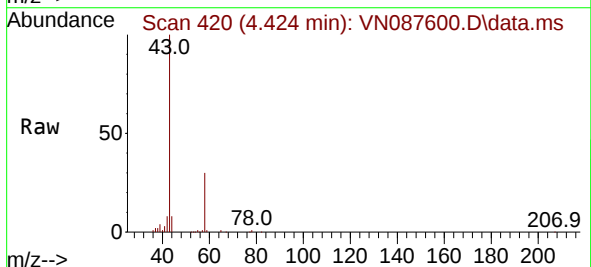
Manual Integrations
APPROVED

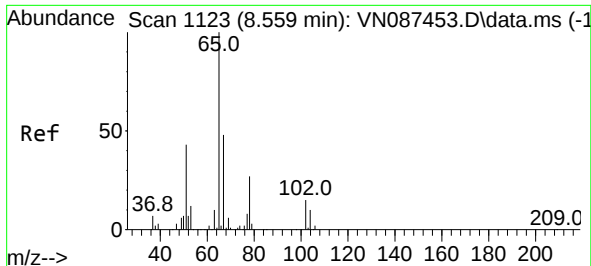
Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025



#15
Acetone
Concen: 110.148 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion: 58 Resp: 67446
Ion Ratio Lower Upper
58 100
43 329.4 268.9 403.3





#27

1,2-Dichloroethane-d4

Concen: 29.980 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087600.D

Acq: 18 Aug 2025 11:57

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave (july)

Tgt Ion: 65 Resp: 134274

Ion Ratio Lower Upper

65 100

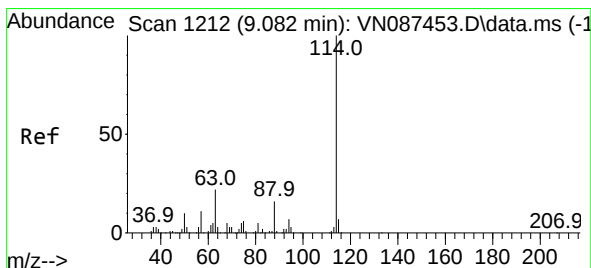
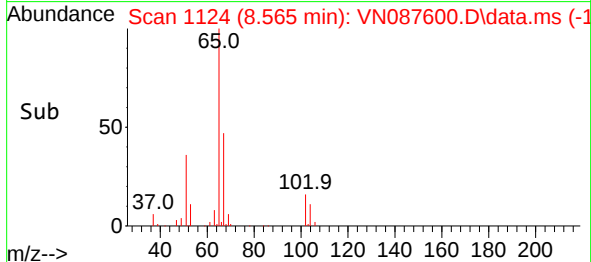
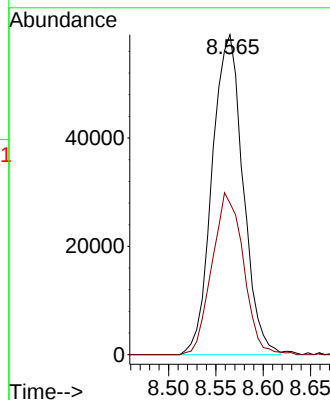
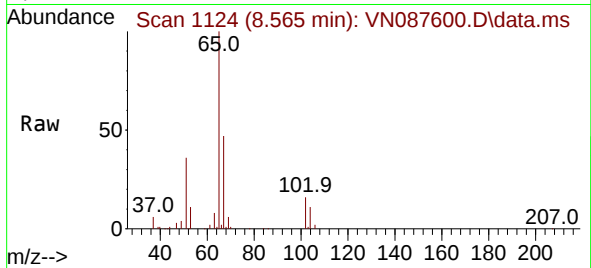
67 51.4 40.8 61.2

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087600.D

Acq: 18 Aug 2025 11:57

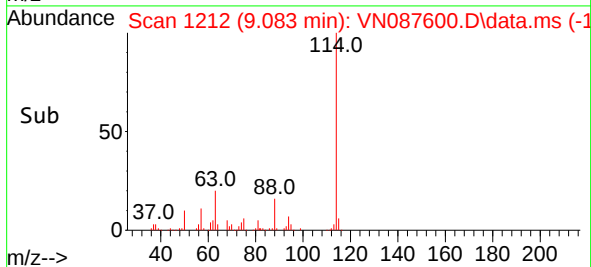
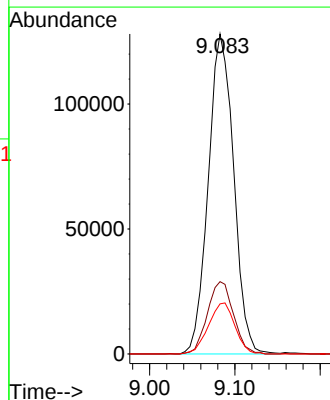
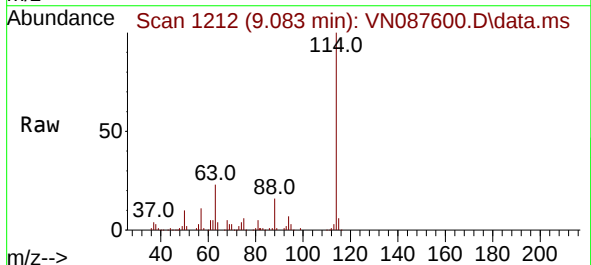
Tgt Ion:114 Resp: 265247

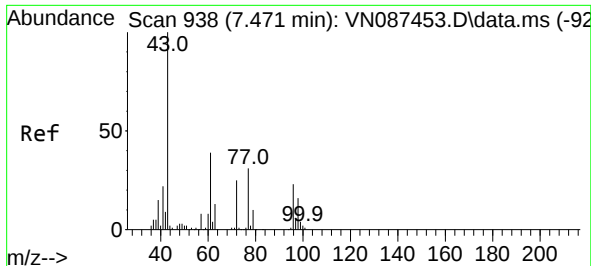
Ion Ratio Lower Upper

114 100

63 23.2 18.9 28.3

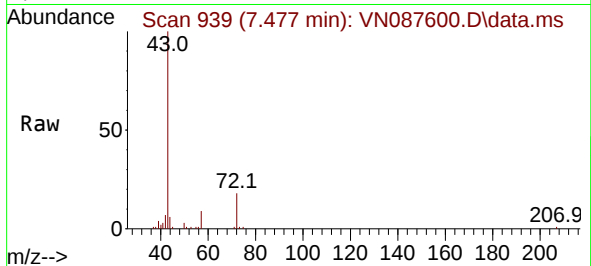
88 16.6 13.1 19.7





#30
2-Butanone
Concen: 20.644 ug/l
RT: 7.477 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

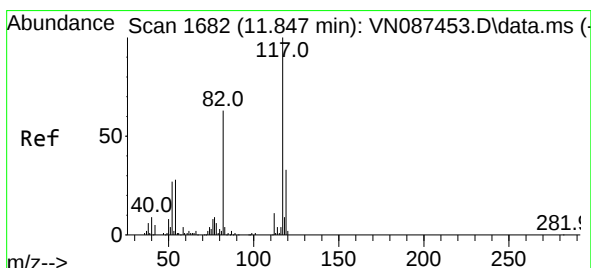
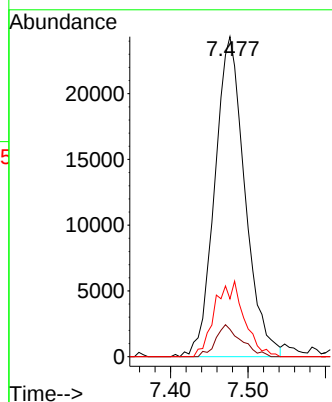
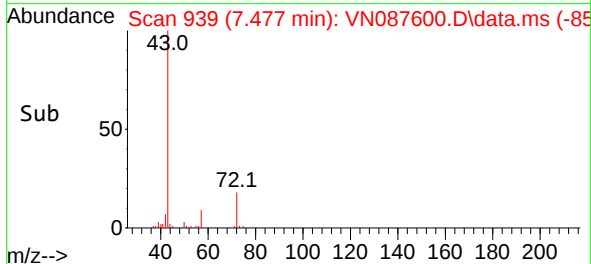
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)



Tgt Ion: 43 Resp: 6583
Ion Ratio Lower Upper
43 100
57 8.4 6.6 9.8
72 13.0 19.7 29.5

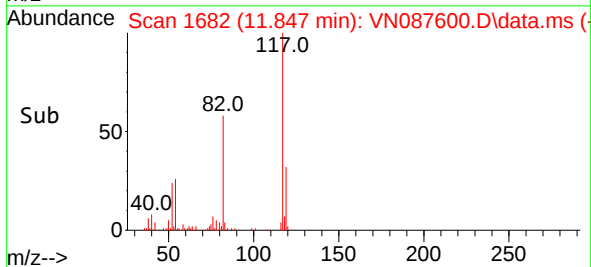
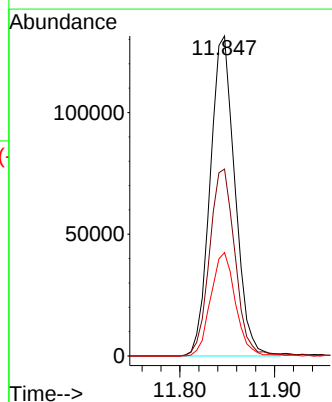
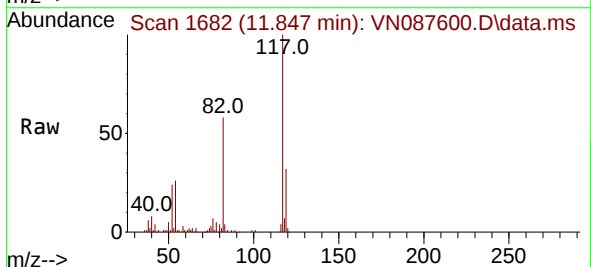
Manual Integrations
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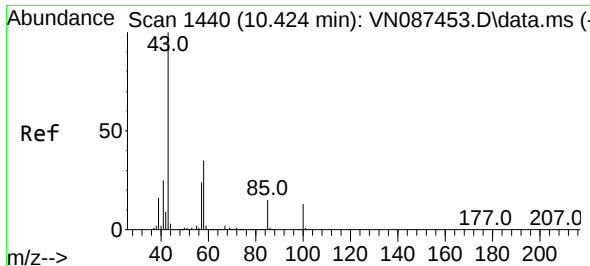
Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

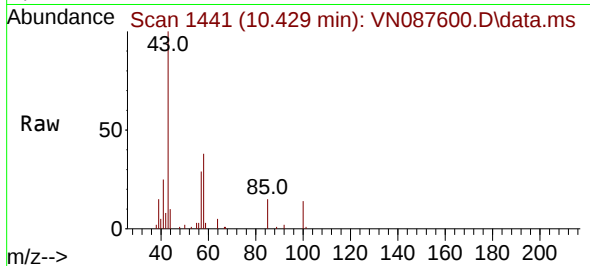
Tgt Ion:117 Resp: 239168
Ion Ratio Lower Upper
117 100
82 59.8 49.2 73.8
119 31.9 25.7 38.5





#58
4-Methyl-2-Pentanone
Concen: 4.167 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

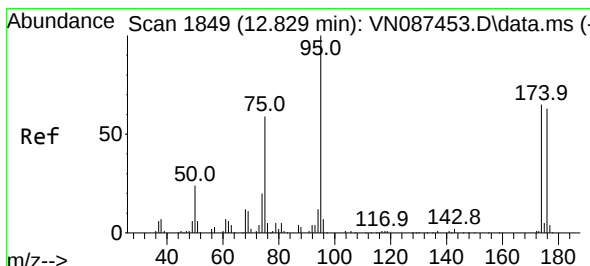
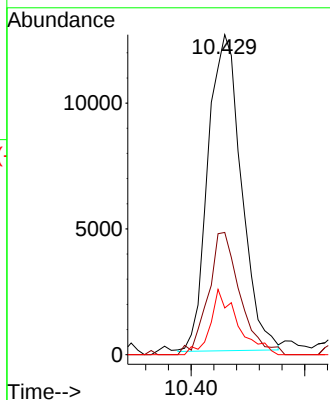
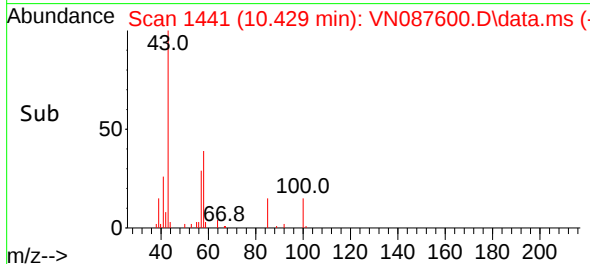
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)



Tgt Ion: 43 Resp: 25640
Ion Ratio Lower Upper
43 100
58 36.4 29.0 43.6
85 17.0 12.7 19.1

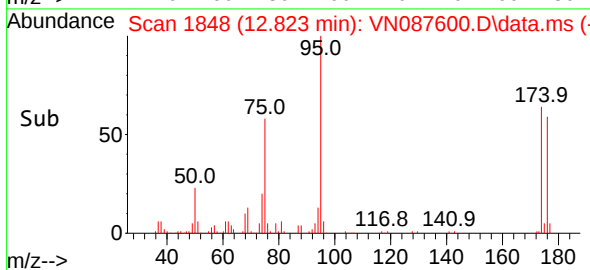
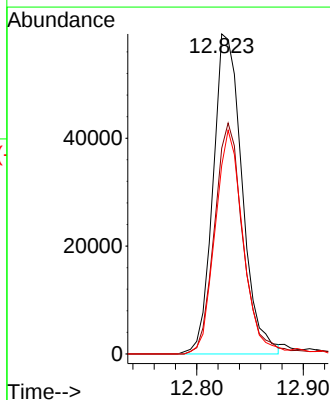
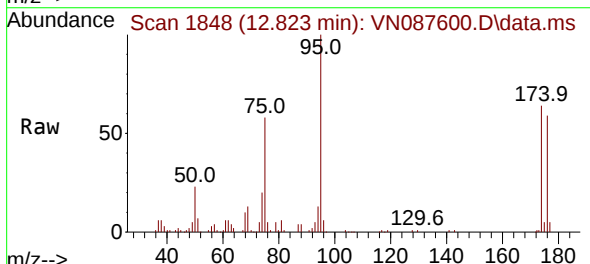
Manual Integrations
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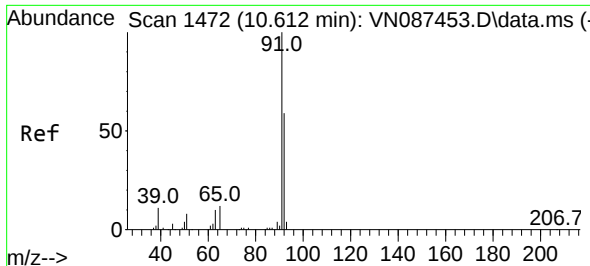
Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025



#60
4-Bromofluorobenzene
Concen: 27.262 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

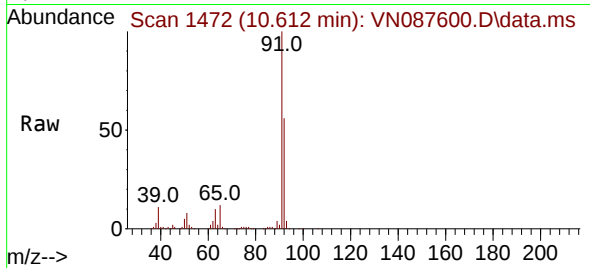
Tgt Ion: 95 Resp: 112209
Ion Ratio Lower Upper
95 100
174 71.0 52.3 78.5
176 67.1 49.8 74.8





#62
Toluene
Concen: 208.459 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

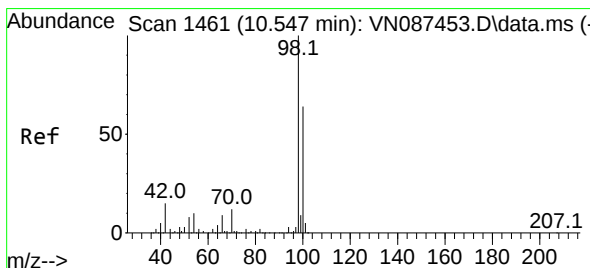
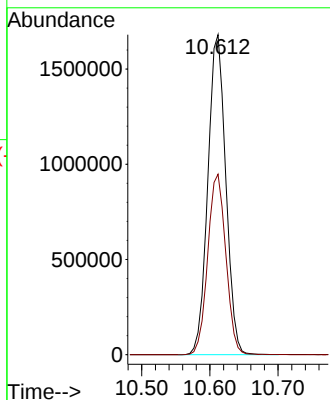
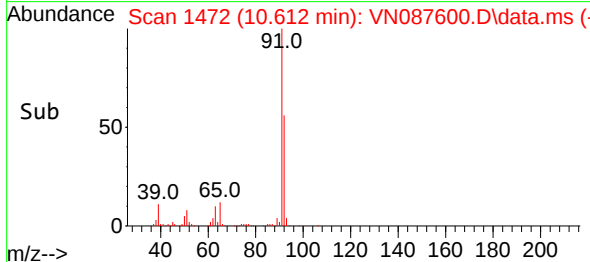
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)



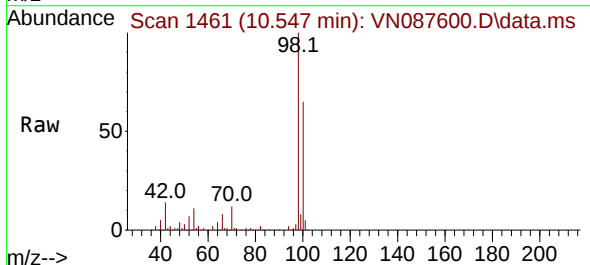
Tgt Ion: 91 Resp: 307716
Ion Ratio Lower Upper
91 100
92 56.9 45.8 68.6

Manual Integrations
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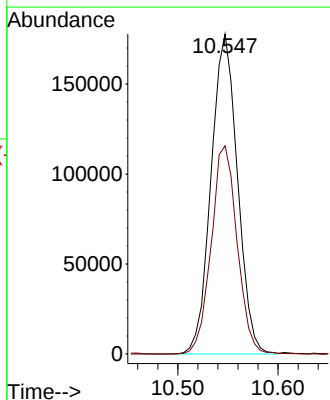
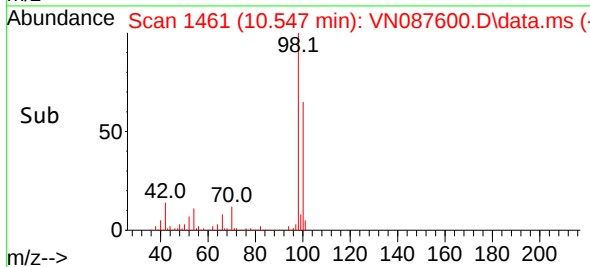
Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

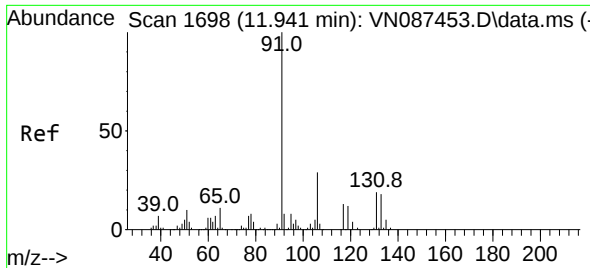


#63
Toluene-d8
Concen: 29.576 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57



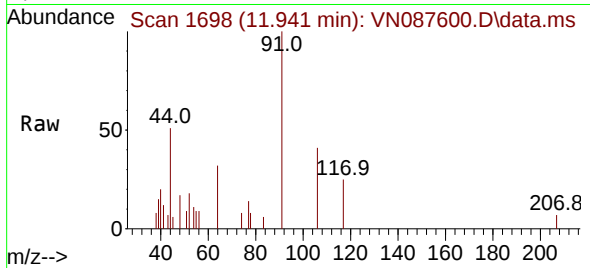
Tgt Ion: 98 Resp: 325480
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7





#66
Ethyl Benzene
Concen: 0.291 ug/l m
RT: 11.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

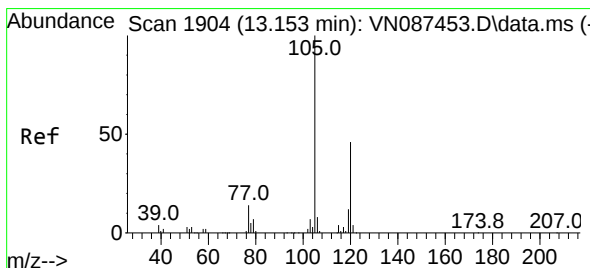
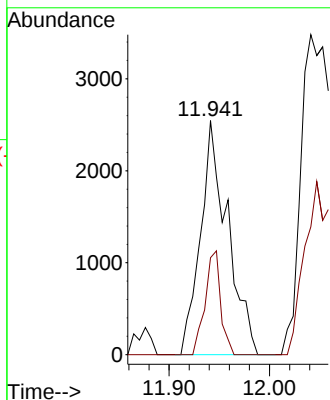
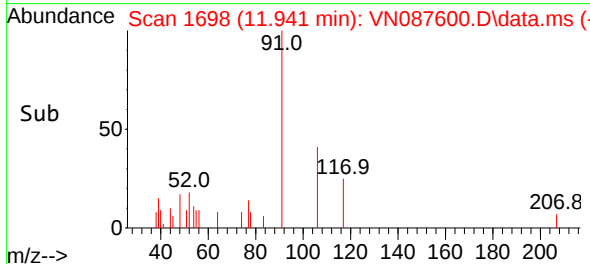
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)



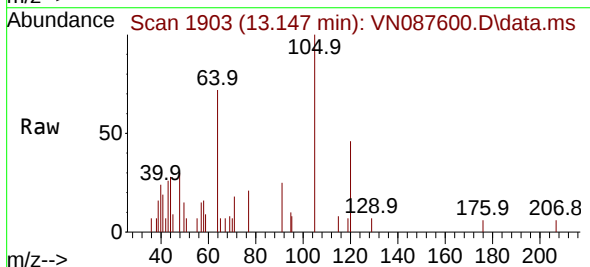
Tgt Ion: 91 Resp: 478
Ion Ratio Lower Upper
91 100
106 41.4 22.9 34.3

Manual Integrations
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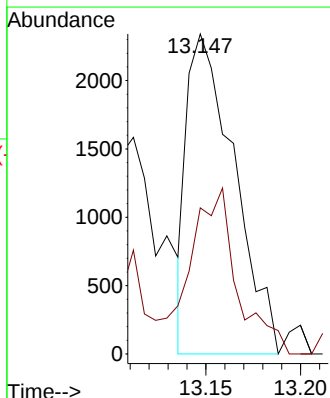
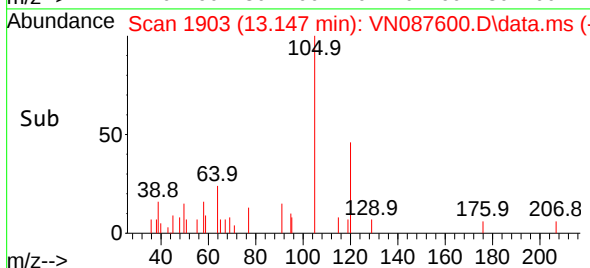
Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

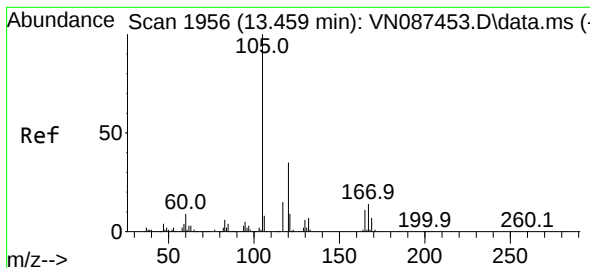


#76
1,3,5-Trimethylbenzene
Concen: 0.314 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57



Tgt Ion:105 Resp: 4059
Ion Ratio Lower Upper
105 100
120 31.3 0.0 91.2





#80

1,2,4-Trimethylbenzene

Concen: 1.008 ug/l

RT: 13.465 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VN087600.D

Acq: 18 Aug 2025 11:57

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave (july)

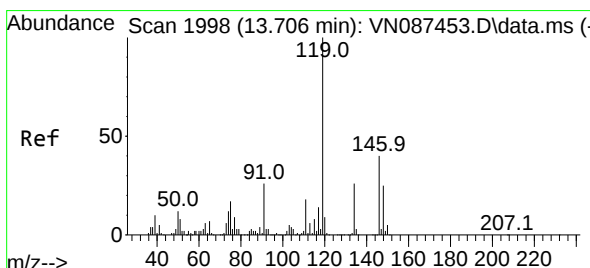
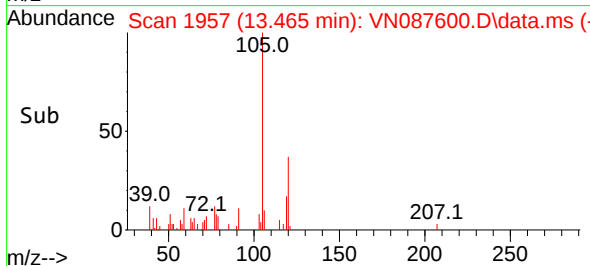
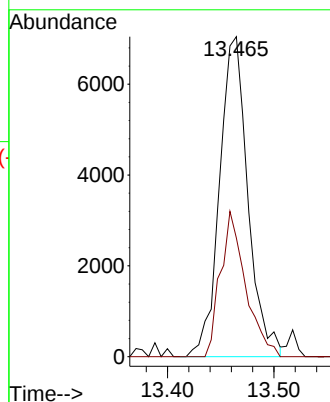
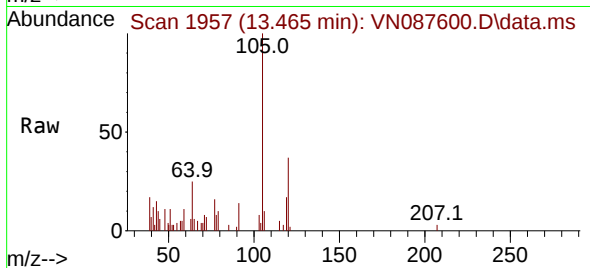
Tgt Ion:105 Resp: 13024
 Ion Ratio Lower Upper
 105 100
 120 40.3 0.0 87.2

Manual Integrations

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Reviewed By :John Carlone 08/19/2025

Supervised By :Mahesh Dadoda 08/20/2025



#82

p-Isopropyltoluene

Concen: 2.279 ug/l

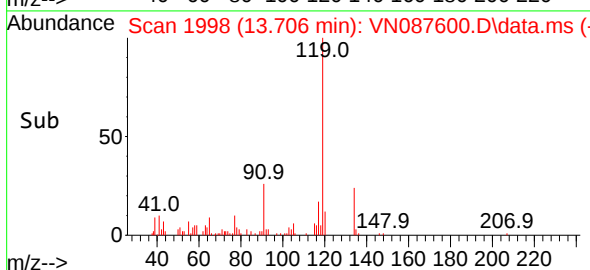
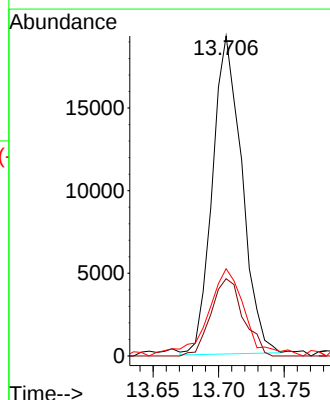
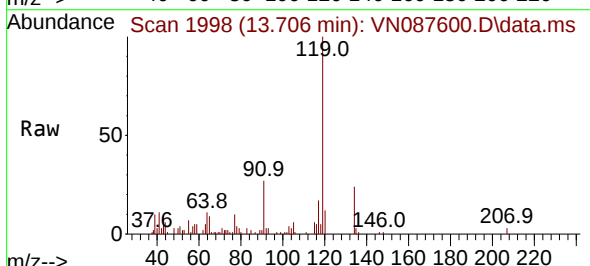
RT: 13.706 min Scan# 1998

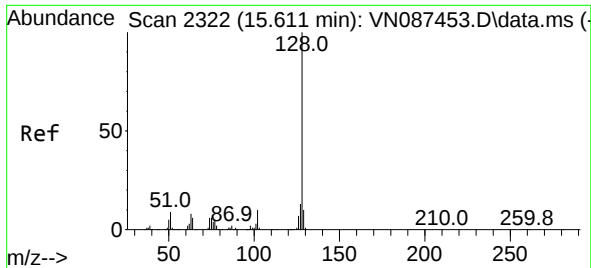
Delta R.T. 0.000 min

Lab File: VN087600.D

Acq: 18 Aug 2025 11:57

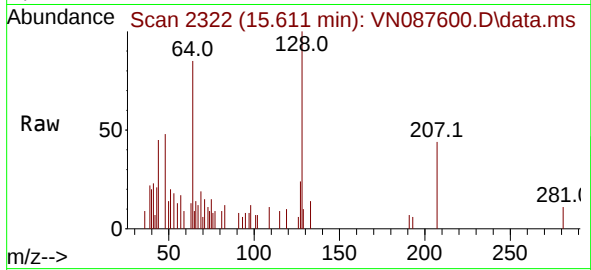
Tgt Ion:119 Resp: 30022
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 51.4
 91 32.4 0.0 52.0





#91
Naphthalene
Concen: 0.412 ug/l
RT: 15.611 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)



Tgt Ion:	128	Resp:	5978
Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.2	15.4
129	10.2	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

