

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
 Data File : VN087311.D
 Acq On : 09 Jul 2025 13:54
 Operator : JC\MD
 Sample : Q2533-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35th-Ave(JUNE)

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2025
 Supervised By : Mahesh Dadoda 07/10/2025

Quant Time: Jul 10 01:26:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	39994	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	207389	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	187985	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	87755	29.122	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.067%	
60) 4-Bromofluorobenzene	12.847	95	79110	27.272	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	90.900%	
63) Toluene-d8	10.565	98	244251	28.938	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	96.467%	
Target Compounds						
15) Acetone	4.447	58	15906	30.763	ug/l	Qvalue 91
18) Methylene Chloride	5.294	84	1128m	0.402	ug/l	
25) Chloroform	7.977	83	6099	1.256	ug/l	93
30) 2-Butanone	7.500	43	21983	10.082	ug/l #	90
41) Bromodichloromethane	9.894	83	4497	1.275	ug/l #	94
53) Dibromochloromethane	11.359	129	8070	3.097	ug/l	90
56) Bromoform	12.582	173	5123	2.860	ug/l #	82
62) Toluene	10.629	91	1392706	131.176	ug/l	99
82) p-Isopropyltoluene	13.723	119	19495	2.226	ug/l	95

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

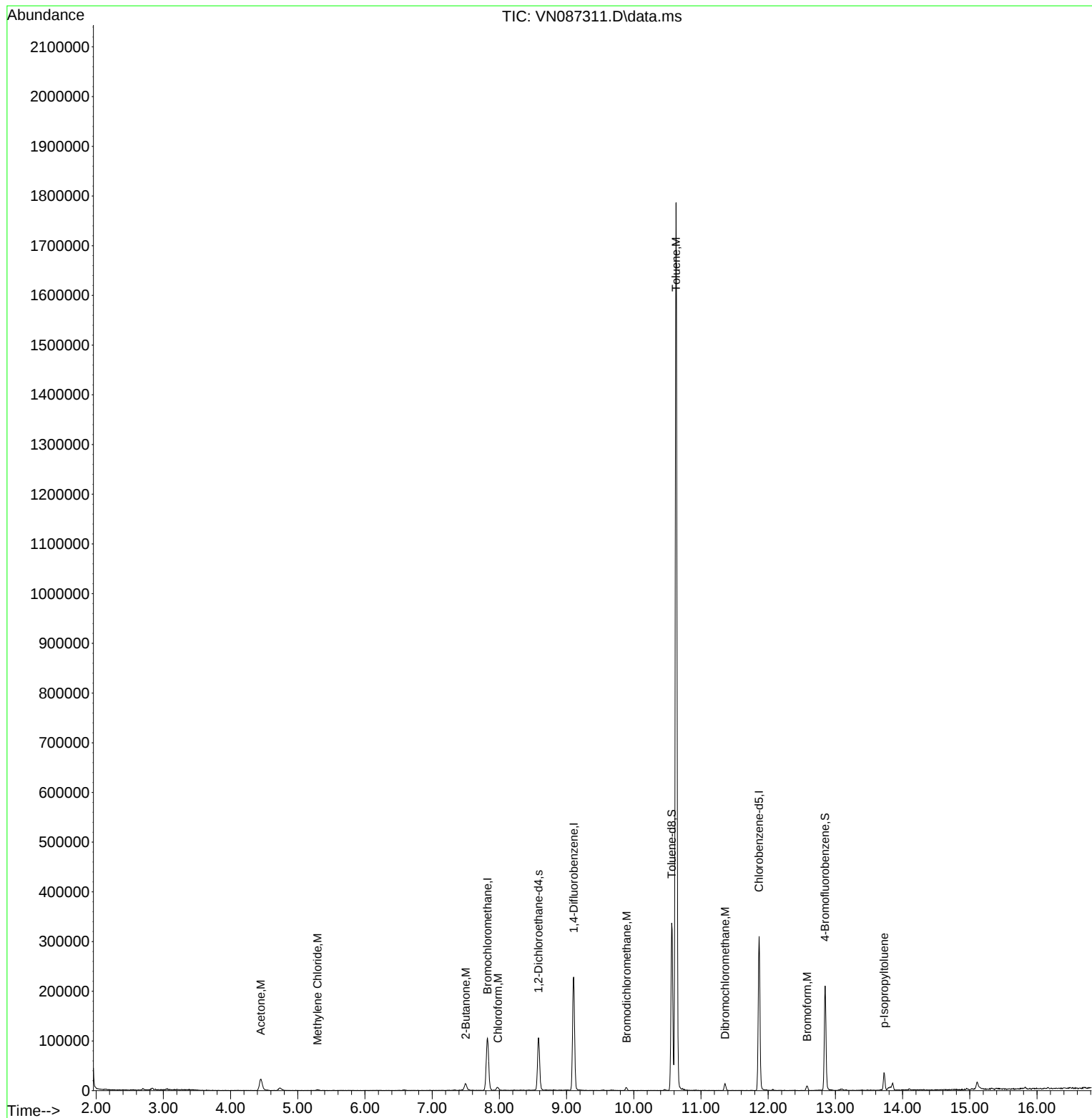
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Data File : VN087311.D
Acq On : 09 Jul 2025 13:54
Operator : JC\MD
Sample : Q2533-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

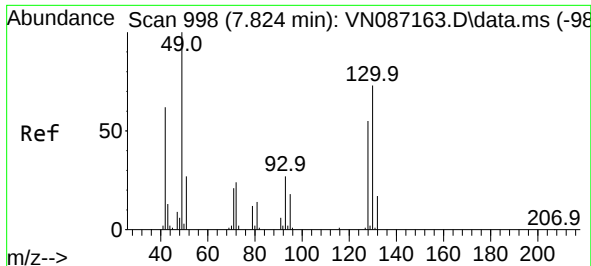
Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

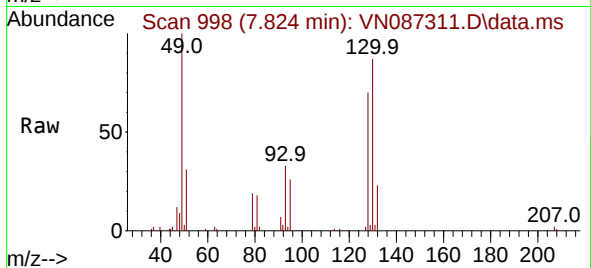
Quant Time: Jul 10 01:26:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

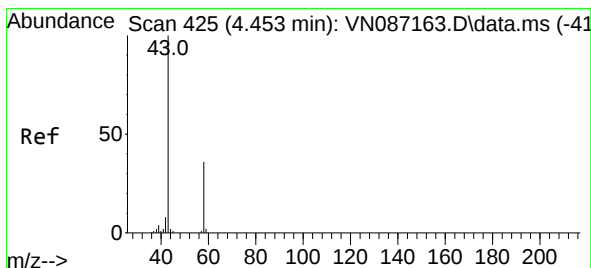
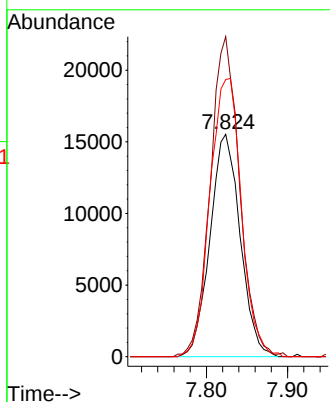
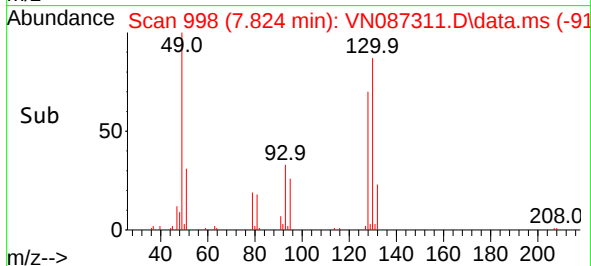
Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)



Tgt Ion:128 Resp: 39994
Ion Ratio Lower Upper
128 100
49 140.0 0.0 450.5
130 130.6 0.0 320.7

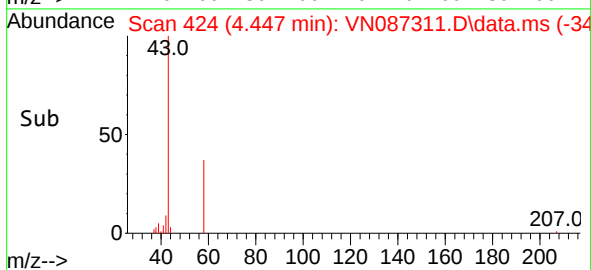
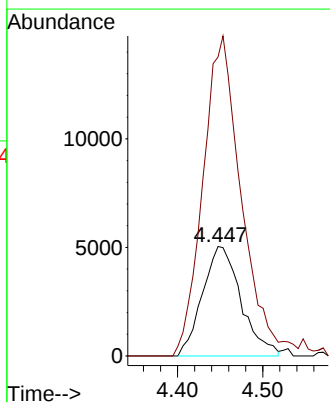
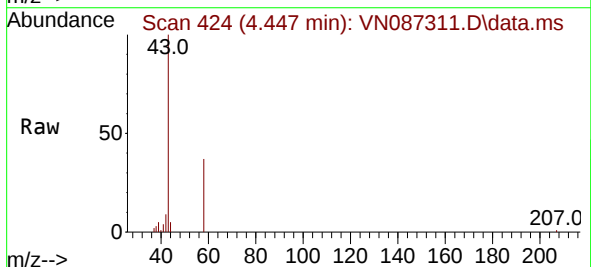
Manual Integrations
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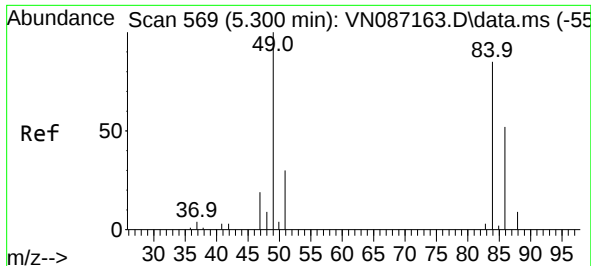
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#15
Acetone
Concen: 30.763 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

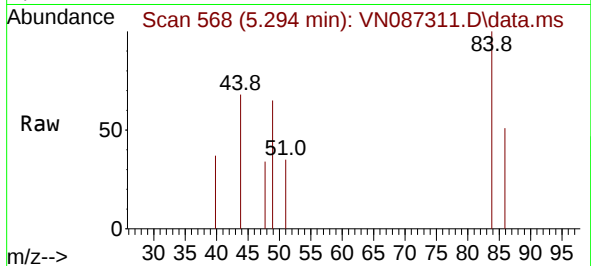
Tgt Ion: 58 Resp: 15906
Ion Ratio Lower Upper
58 100
43 264.2 224.3 336.5





#18
Methylene Chloride
Concen: 0.402 ug/l m
RT: 5.294 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

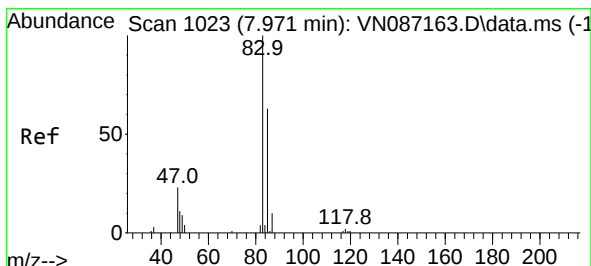
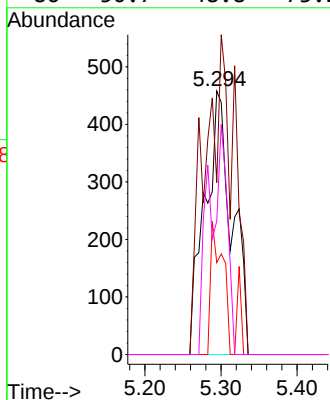
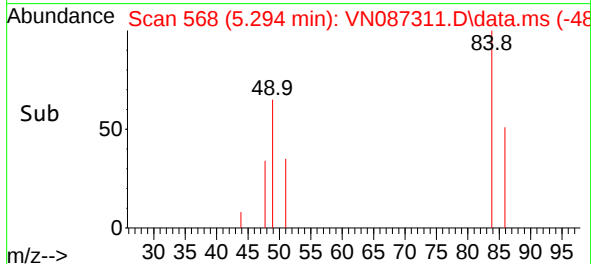
Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)



Tgt Ion: 84 Resp: 1128
Ion Ratio Lower Upper
84 100
49 65.3 94.0 141.0
51 34.9 28.3 42.5
86 50.7 48.8 73.2

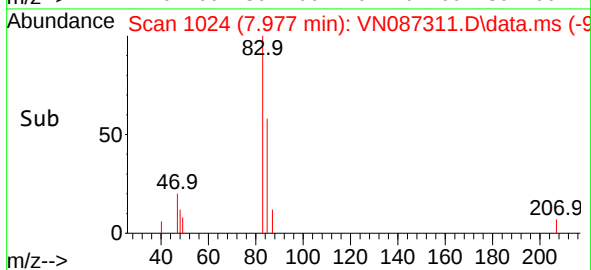
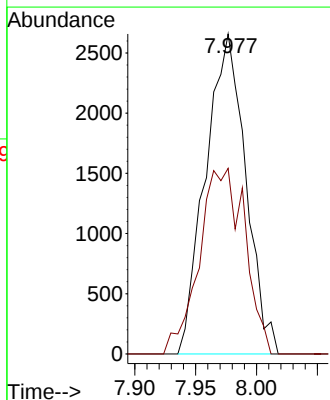
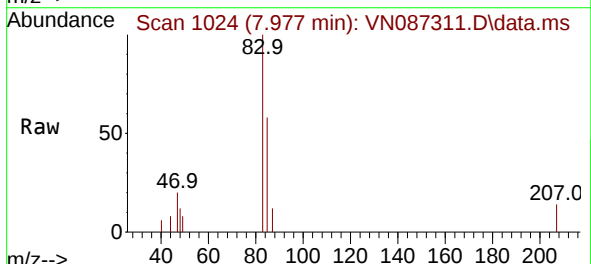
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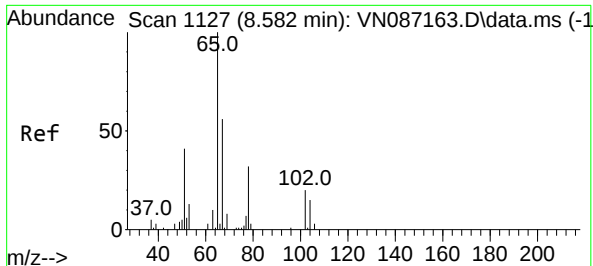
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#25
Chloroform
Concen: 1.256 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 83 Resp: 6099
Ion Ratio Lower Upper
83 100
85 58.0 50.7 76.1





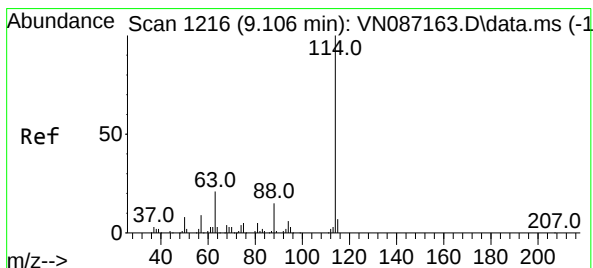
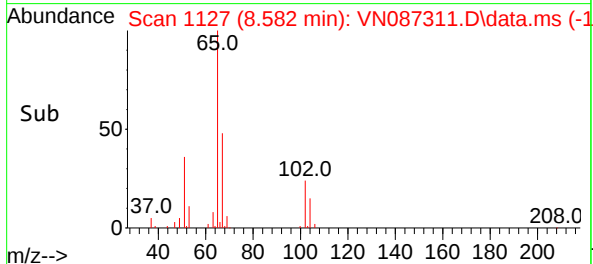
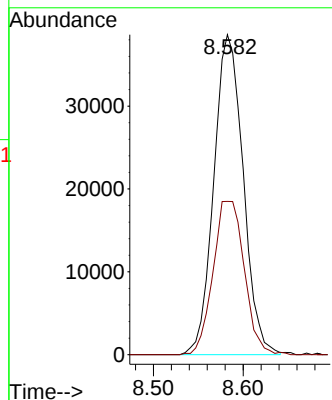
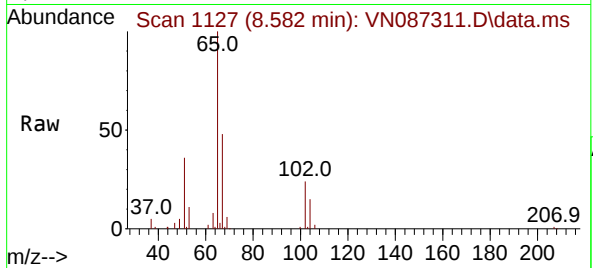
#27
1,2-Dichloroethane-d4
Concen: 29.122 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Tgt Ion: 65 Resp: 8775
Ion Ratio Lower Upper
65 100
67 50.9 41.9 62.9

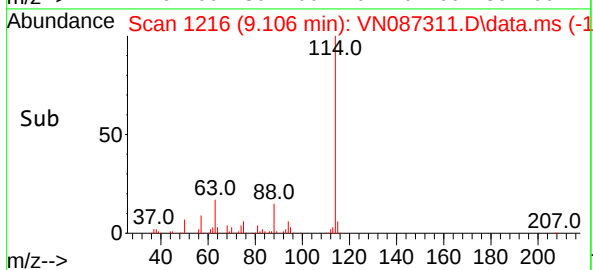
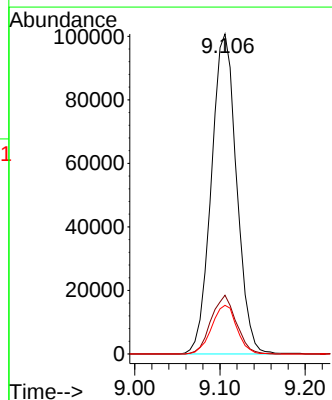
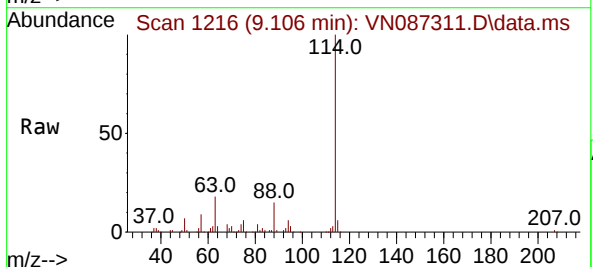
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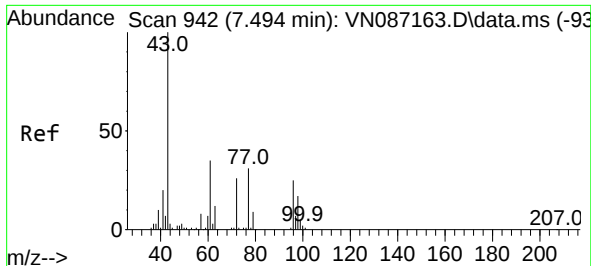
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

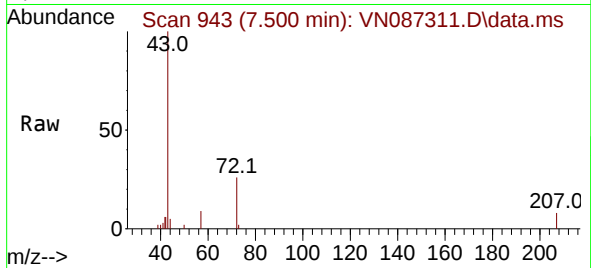
Tgt Ion:114 Resp: 207389
Ion Ratio Lower Upper
114 100
63 18.2 17.0 25.4
88 15.1 12.6 19.0





#30
2-Butanone
Concen: 10.082 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

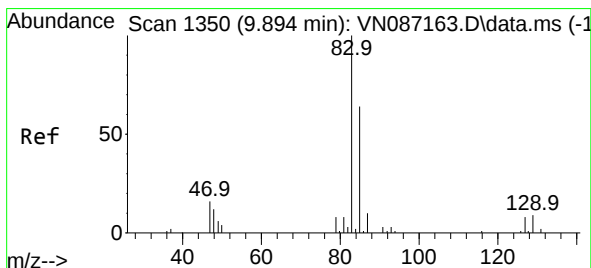
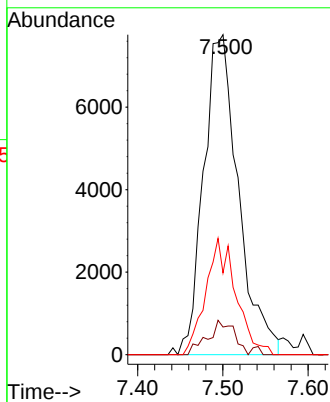
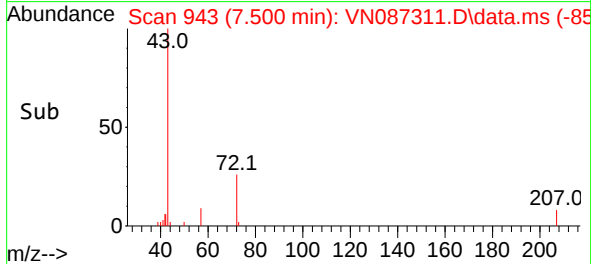
Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)



Tgt Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
57 1.3 6.3 9.5
72 31.3 21.8 32.6

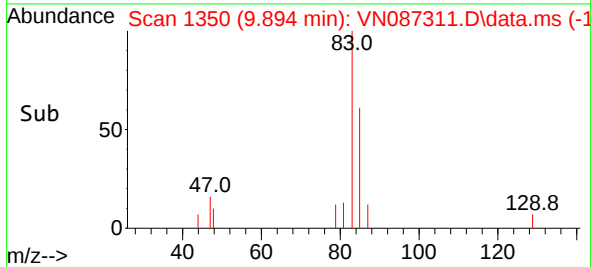
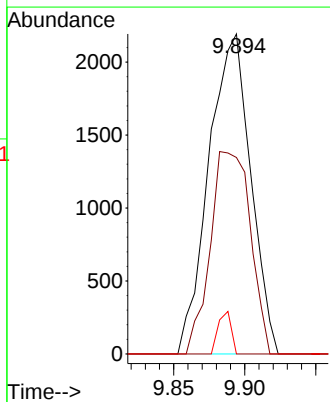
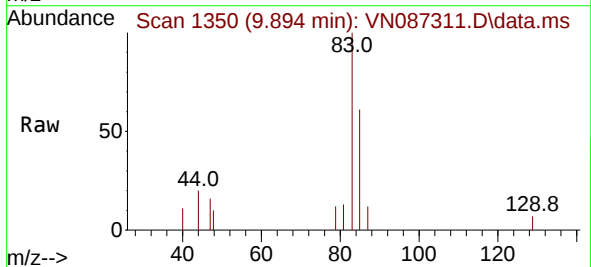
Manual Integrations
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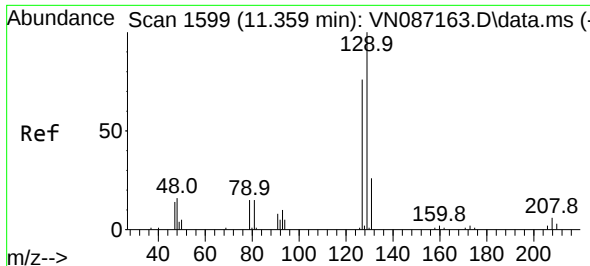
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#41
Bromodichloromethane
Concen: 1.275 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

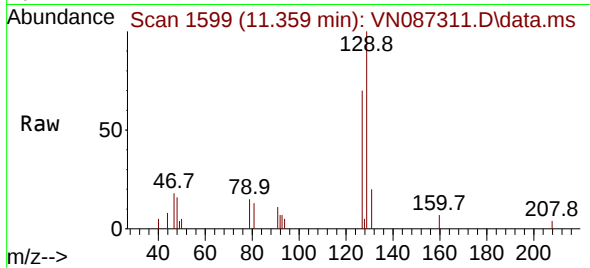
Tgt Ion: 83 Resp: 4497
Ion Ratio Lower Upper
83 100
85 61.4 51.4 77.2
127 0.0 6.1 9.1#





#53
Dibromochloromethane
Concen: 3.097 ug/l
RT: 11.359 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

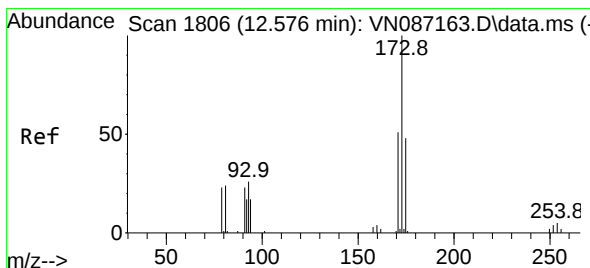
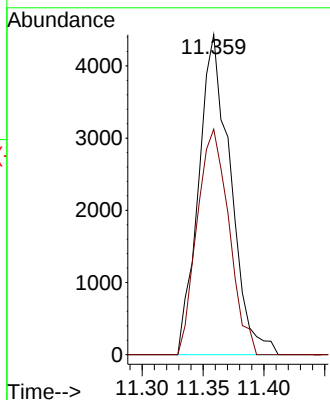
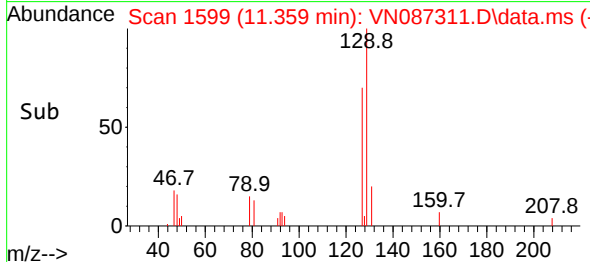
Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)



Tgt Ion:129 Resp: 8070
Ion Ratio Lower Upper
129 100
127 70.6 39.6 118.8

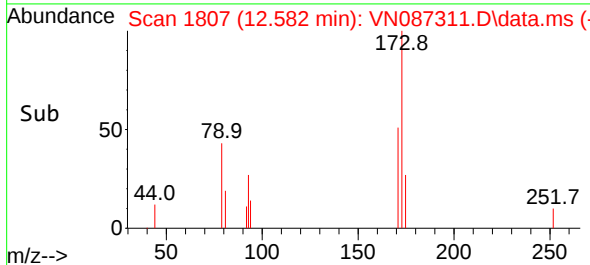
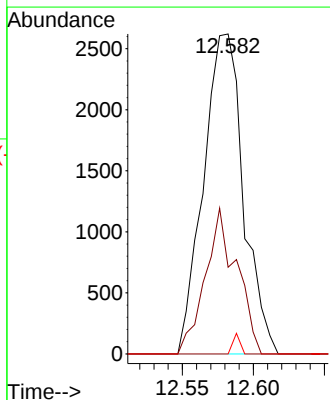
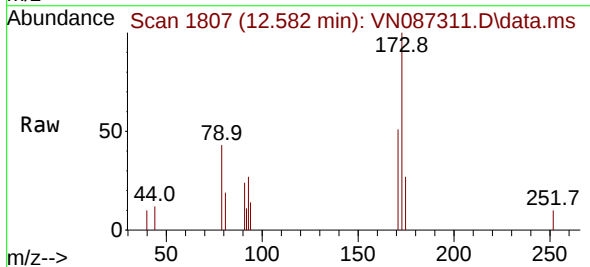
Manual Integrations
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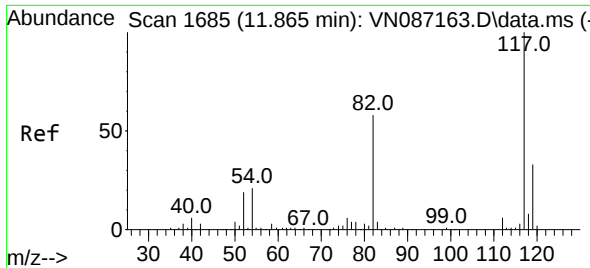
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#56
Bromoform
Concen: 2.860 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

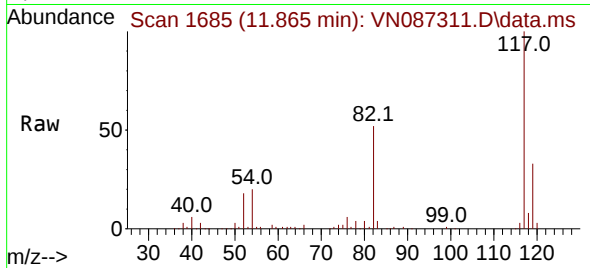
Tgt Ion:173 Resp: 5123
Ion Ratio Lower Upper
173 100
175 35.9 38.7 58.1#
254 0.0 4.2 6.4#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

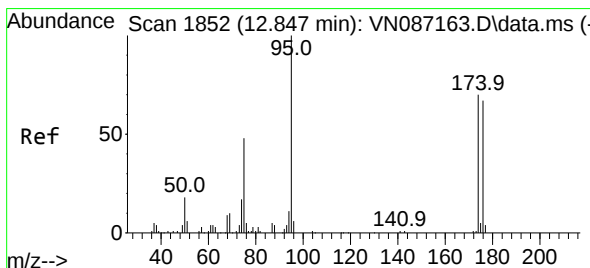
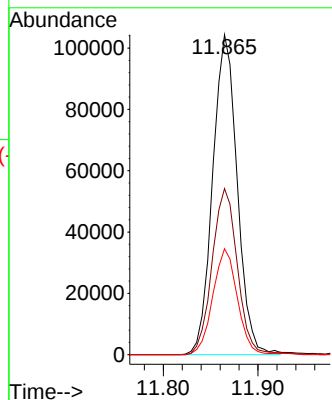
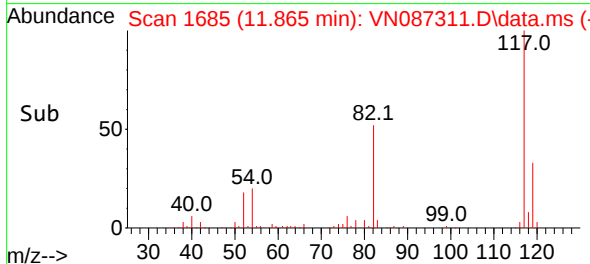
Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)



Tgt Ion:117 Resp: 187985
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.2
119 33.0 26.2 39.4

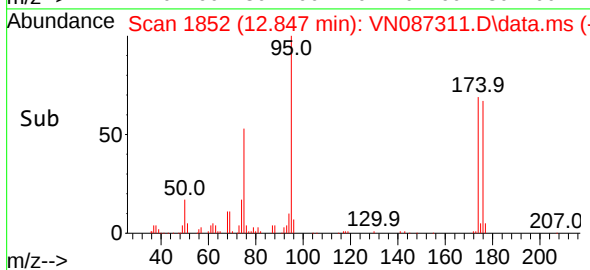
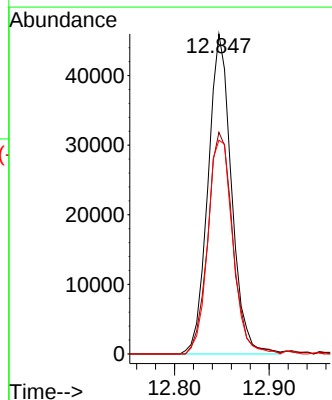
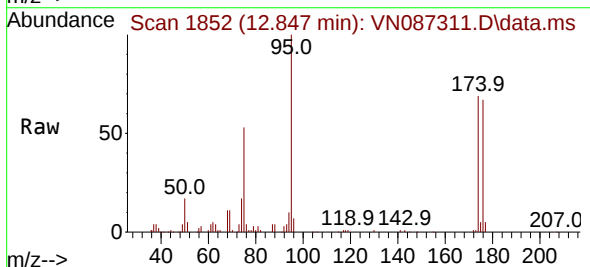
Manual Integrations
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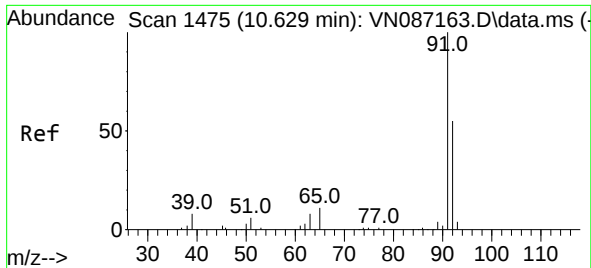
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#60
4-Bromofluorobenzene
Concen: 27.272 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 95 Resp: 79110
Ion Ratio Lower Upper
95 100
174 73.1 54.5 81.7
176 71.1 51.9 77.9





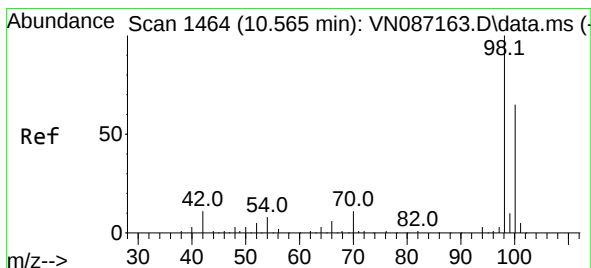
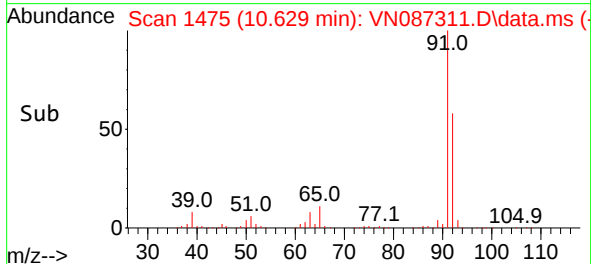
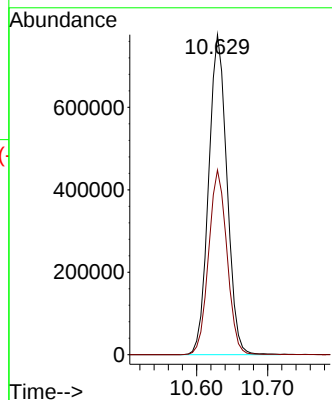
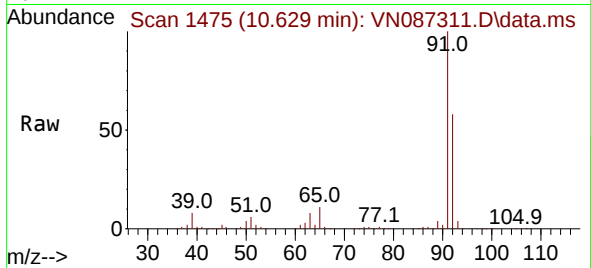
#62
Toluene
Concen: 131.176 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
002-35th-Ave(JUNE)

Tgt Ion: 91 Resp: 1392700
Ion Ratio Lower Upper
91 100
92 57.8 45.8 68.8

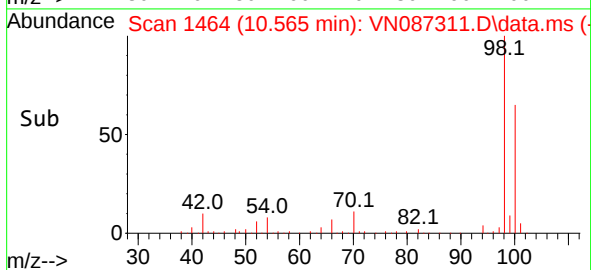
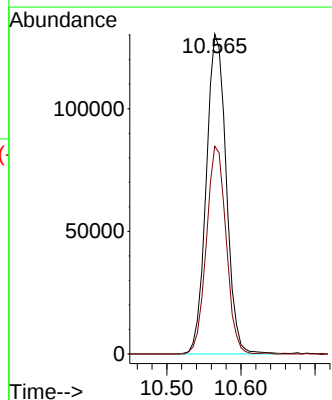
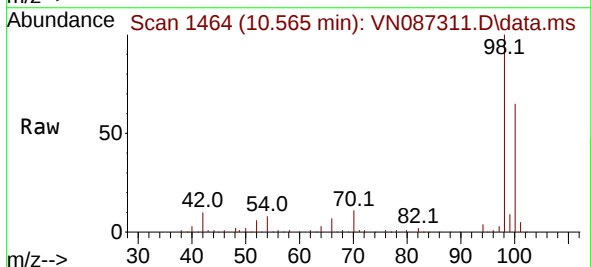
Manual Integrations
APPROVED

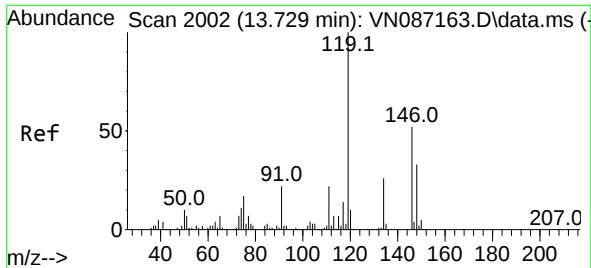
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#63
Toluene-d8
Concen: 28.938 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087311.D
Acq: 09 Jul 2025 13:54

Tgt Ion: 98 Resp: 244251
Ion Ratio Lower Upper
98 100
100 64.1 52.5 78.7





#82
 p-Isopropyltoluene
 Concen: 2.226 ug/l
 RT: 13.723 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: VN087311.D
 Acq: 09 Jul 2025 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35th-Ave(JUNE)

Tgt Ion:119 Resp: 1949
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 51.2
 91 27.6 0.0 46.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/10/2025
 Supervised By :Mahesh Dadoda 07/10/2025

