

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088119.D
 Acq On : 27 Oct 2025 16:58
 Operator : JC\MD
 Sample : Q3426-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP5

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/28/2025
 Supervised By :Semsettin Yesilyurt 10/28/2025

Quant Time: Oct 28 01:30:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	246197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	561002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	537996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	272811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	240578	56.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.020%			
35) Dibromofluoromethane	8.147	113	175554	46.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.160%			
50) Toluene-d8	10.547	98	650072	44.765	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.520%			
62) 4-Bromofluorobenzene	12.829	95	254790	49.680	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.360%			
Target Compounds					Qvalue	
16) Acetone	4.424	43	11203m	5.238	ug/l	
31) Cyclohexane	8.241	56	92504	15.523	ug/l	90
39) Methylcyclohexane	9.582	83	92228	13.039	ug/l	99
40) Benzene	8.588	78	85132	5.080	ug/l	97
52) Toluene	10.606	92	18188	1.760	ug/l	96
67) Ethyl Benzene	11.941	91	785583	36.635	ug/l	99
68) m/p-Xylenes	12.047	106	960262	119.519	ug/l	100
69) o-Xylene	12.376	106	154702	20.312	ug/l	97
73) Isopropylbenzene	12.670	105	138334	6.574	ug/l	99
78) n-propylbenzene	13.012	91	403599	15.718	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	567292	32.463	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	2098441	120.022	ug/l	100
86) p-Isopropyltoluene	13.706	119	12295	0.668	ug/l #	74
89) n-Butylbenzene	14.029	91	27520m	1.510	ug/l	
95) Naphthalene	15.611	128	1321798	72.968	ug/l	100

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

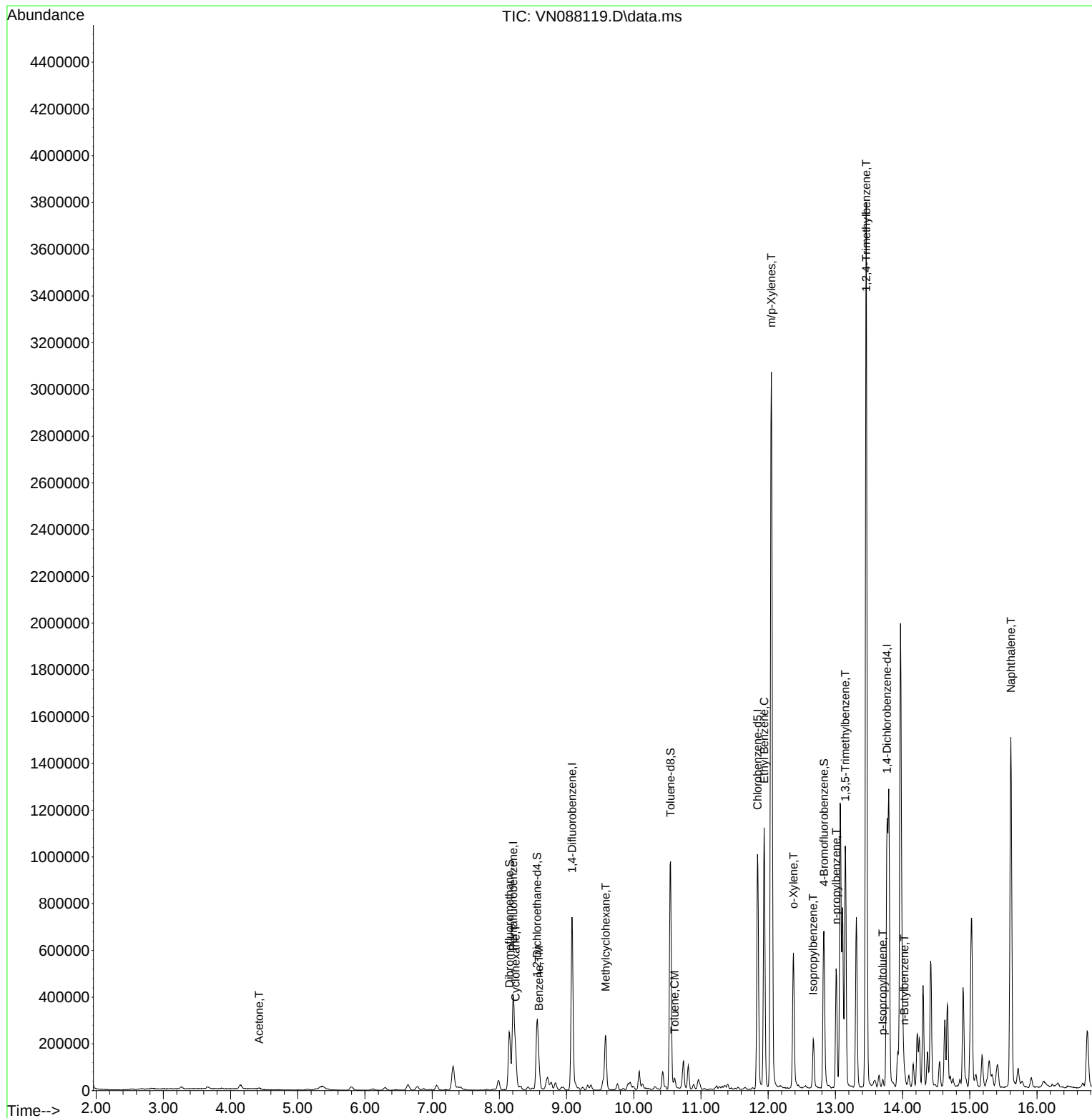
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
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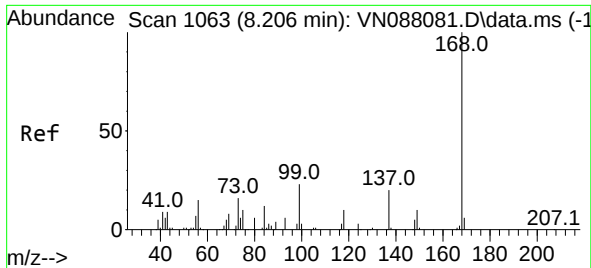
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Quant Time: Oct 28 01:30:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
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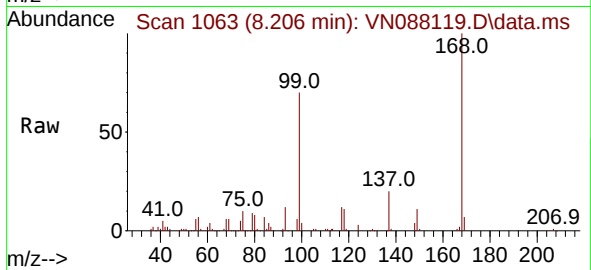
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

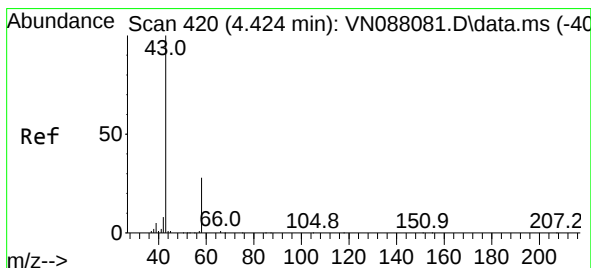
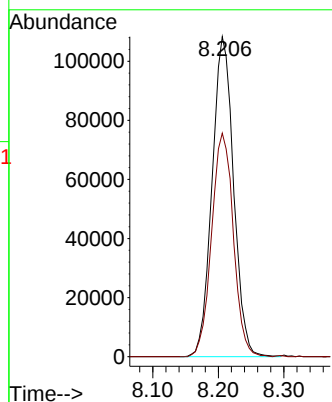
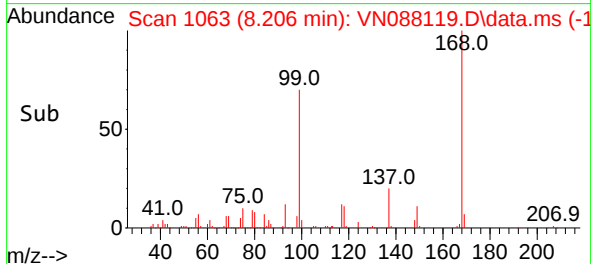
Instrument :
MSVOA_N
ClientSampleId :
TWP5



Tgt Ion:168 Resp: 24619
Ion Ratio Lower Upper
168 100
99 69.8 57.2 85.8

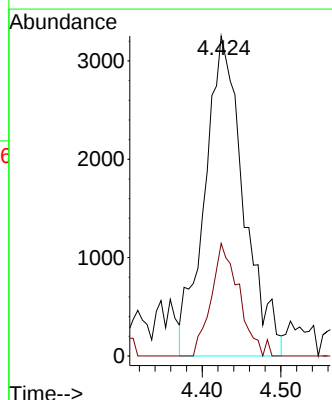
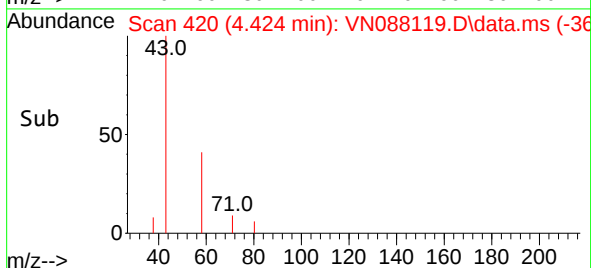
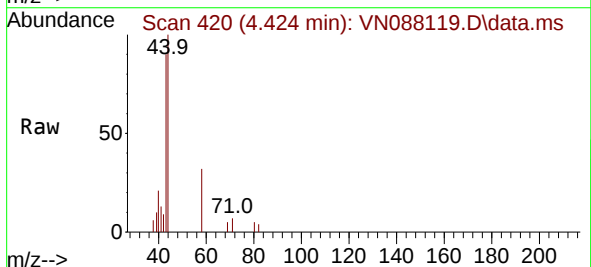
Manual Integrations
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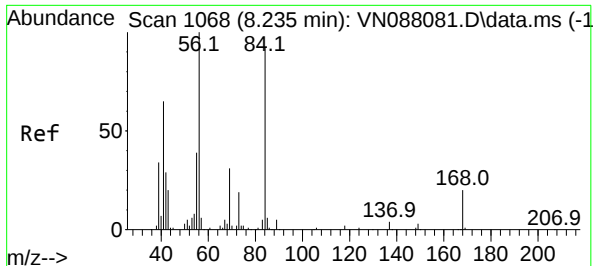
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#16
Acetone
Concen: 5.238 ug/l m
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

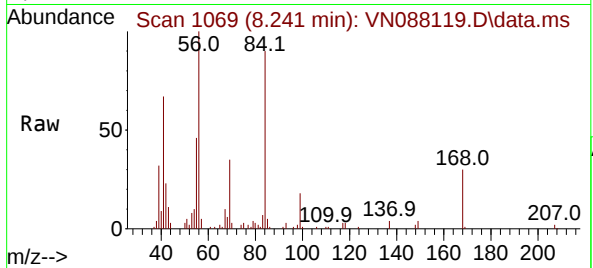
Tgt Ion: 43 Resp: 11203
Ion Ratio Lower Upper
43 100
58 35.2 22.6 33.8#





#31
Cyclohexane
Concen: 15.523 ug/l
RT: 8.241 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

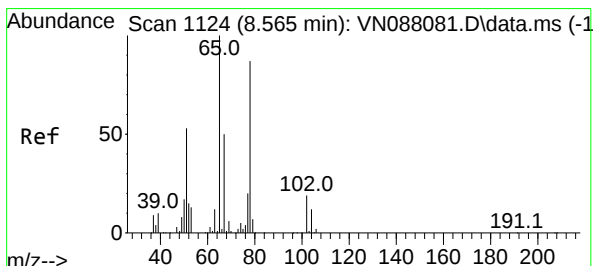
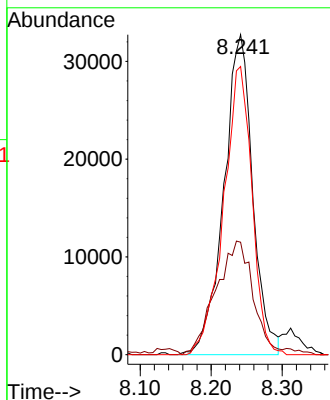
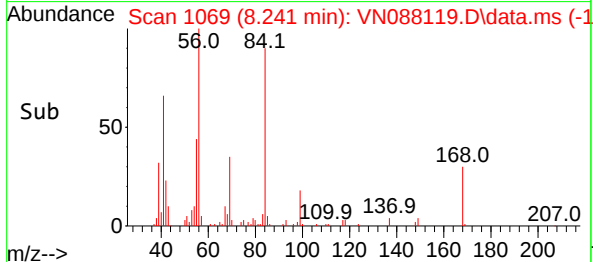
Instrument :
MSVOA_N
ClientSampleId :
TWP5



Tgt Ion: 56 Resp: 92504
Ion Ratio Lower Upper
56 100
69 34.2 23.7 35.5
84 90.1 64.7 97.1

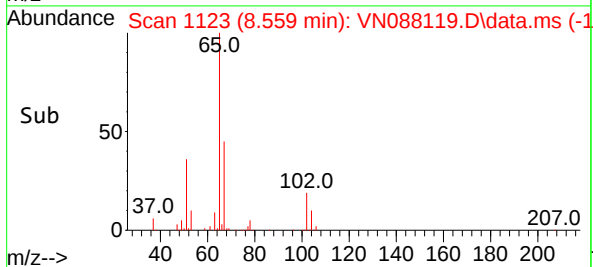
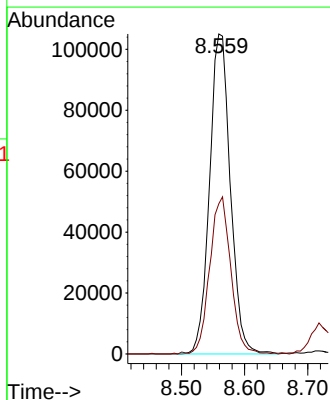
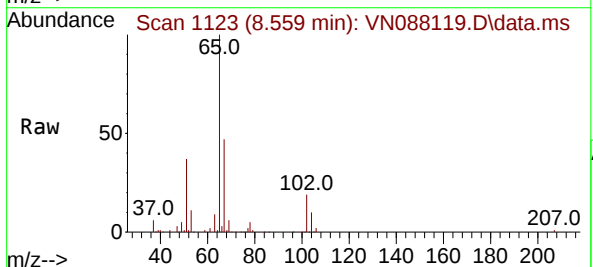
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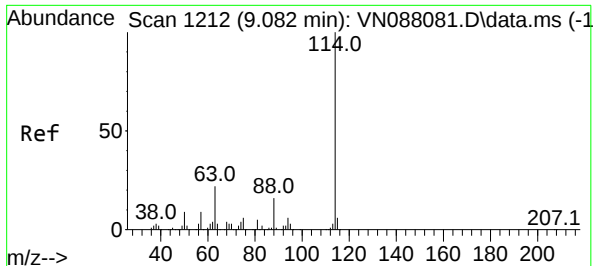
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#33
1,2-Dichloroethane-d4
Concen: 56.510 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

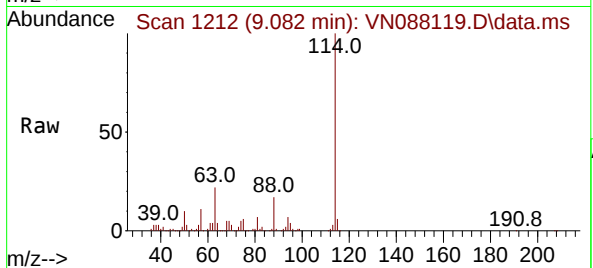
Tgt Ion: 65 Resp: 240578
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

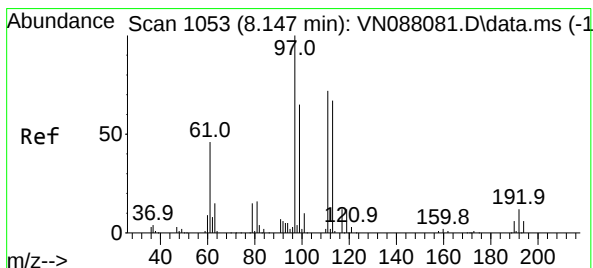
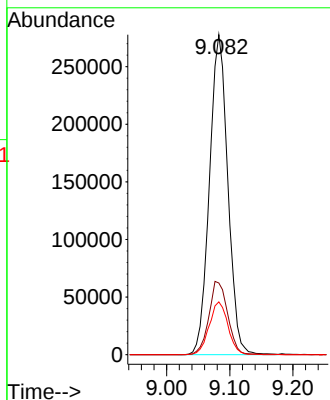
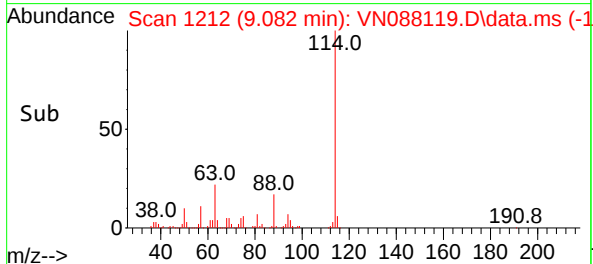
Instrument :
MSVOA_N
ClientSampleId :
TWP5



Tgt Ion:114 Resp: 56100
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.2
88 16.5 0.0 33.4

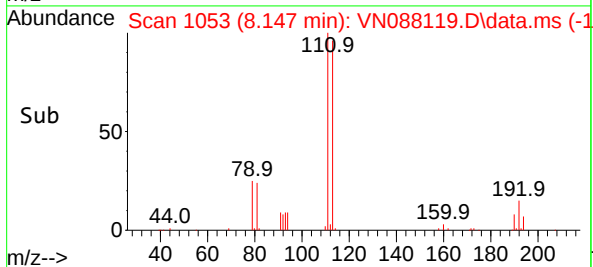
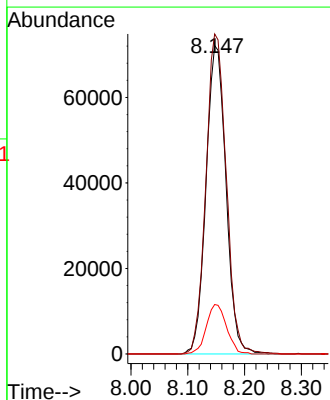
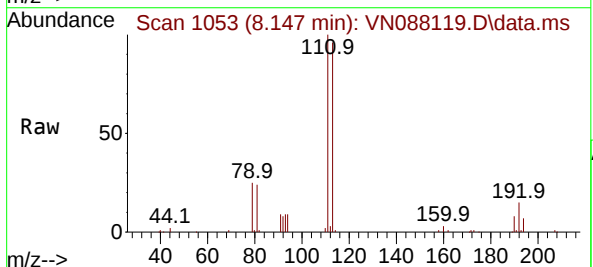
Manual Integrations
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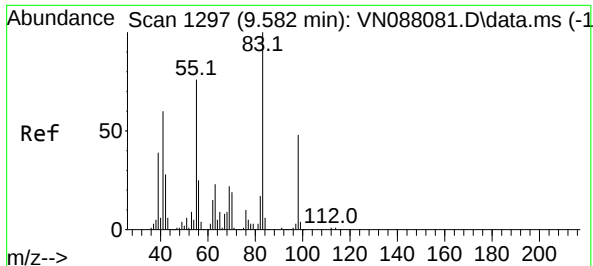
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#35
Dibromofluoromethane
Concen: 46.580 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:113 Resp: 175554
Ion Ratio Lower Upper
113 100
111 105.7 82.8 124.2
192 16.3 12.8 19.2





#39

Methylcyclohexane

Concen: 13.039 ug/l

RT: 9.582 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN088119.D

Acq: 27 Oct 2025 16:58

Instrument :

MSVOA_N

ClientSampleId :

TWP5

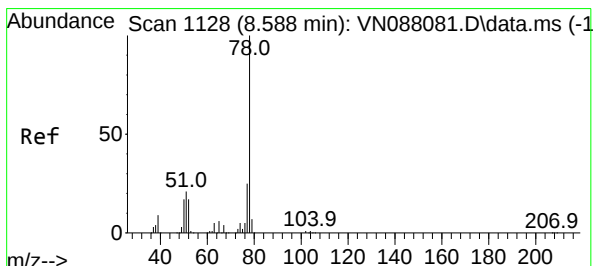
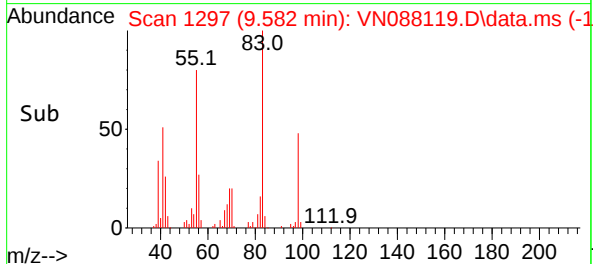
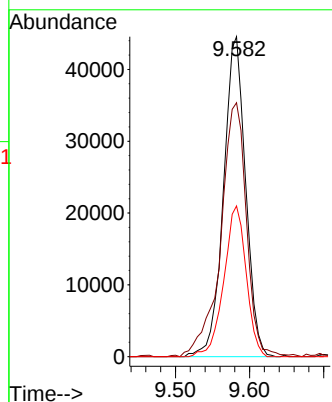
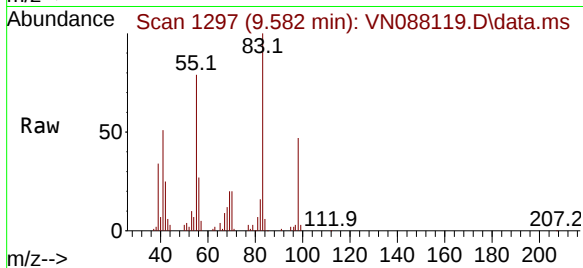
Tgt Ion:	83	Resp:	92228
Ion Ratio	Lower	Upper	
83	100		
55	79.3	64.6	96.8
98	47.1	38.4	57.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 10/28/2025



#40

Benzene

Concen: 5.080 ug/l

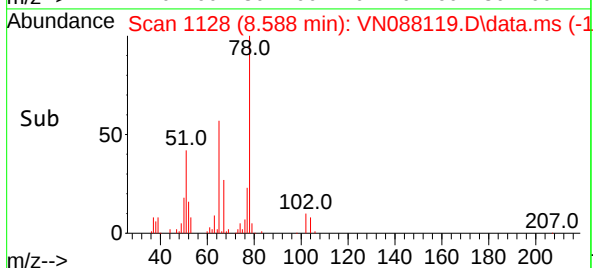
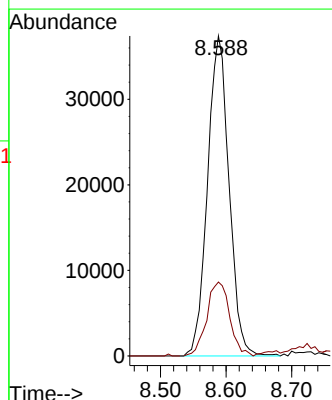
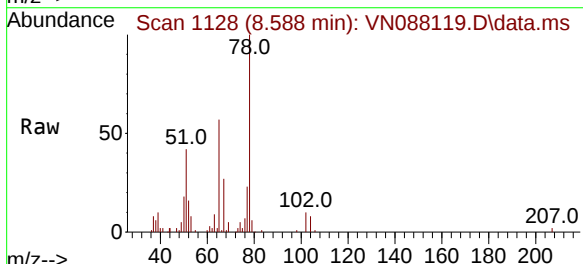
RT: 8.588 min Scan# 1128

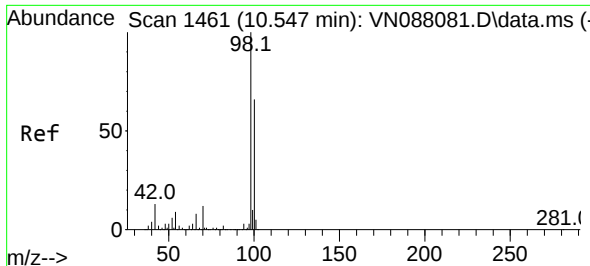
Delta R.T. -0.000 min

Lab File: VN088119.D

Acq: 27 Oct 2025 16:58

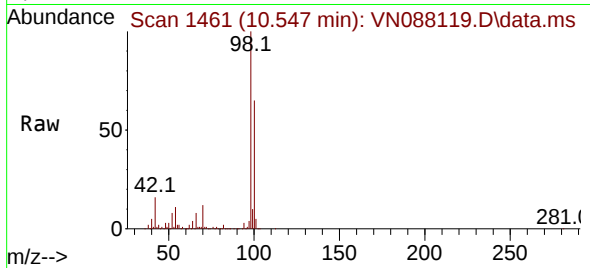
Tgt Ion:	78	Resp:	85132
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.7	29.5





#50
Toluene-d8
Concen: 44.765 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

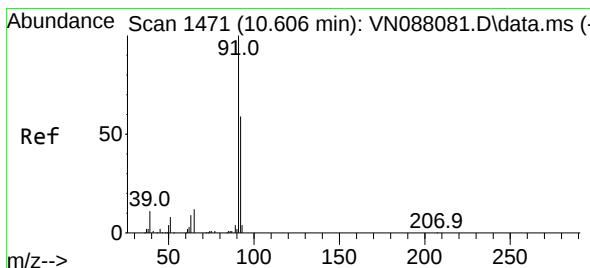
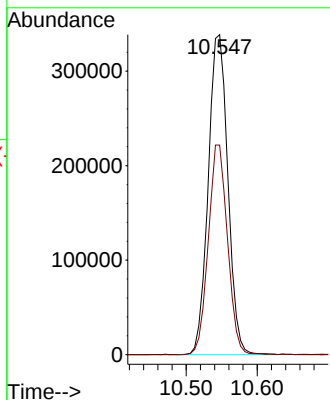
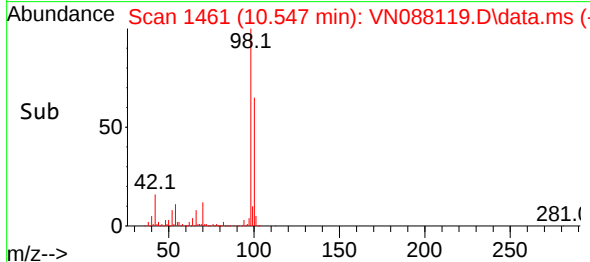
Instrument :
MSVOA_N
ClientSampleId :
TWP5



Tgt Ion: 98 Resp: 650072
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2

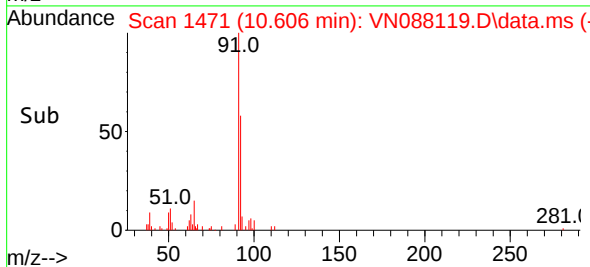
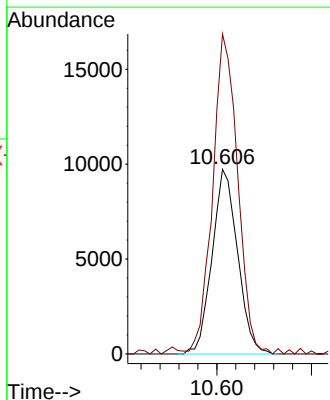
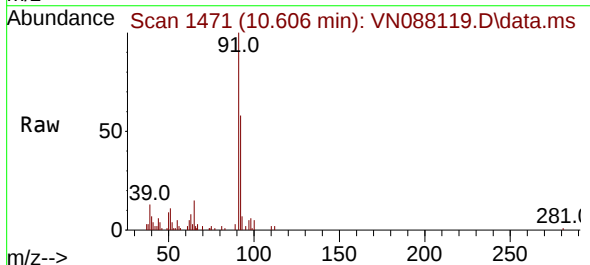
Manual Integrations
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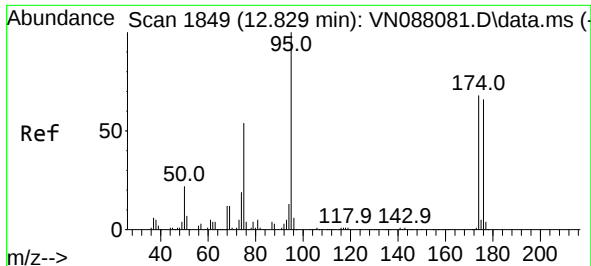
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#52
Toluene
Concen: 1.760 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

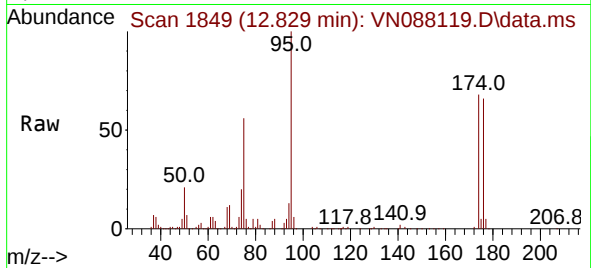
Tgt Ion: 92 Resp: 18188
Ion Ratio Lower Upper
92 100
91 170.1 140.4 210.6





#62
4-Bromofluorobenzene
Concen: 49.680 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

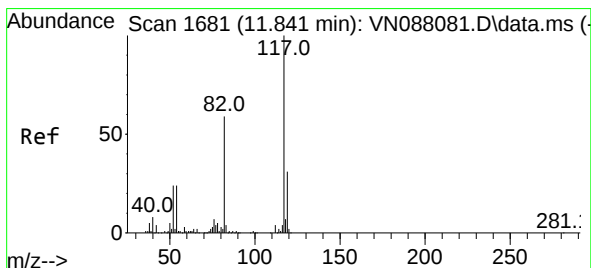
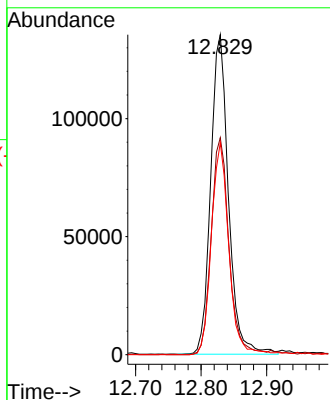
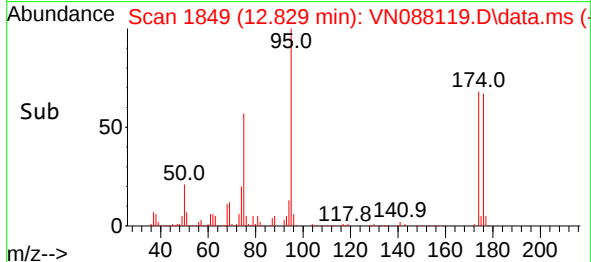
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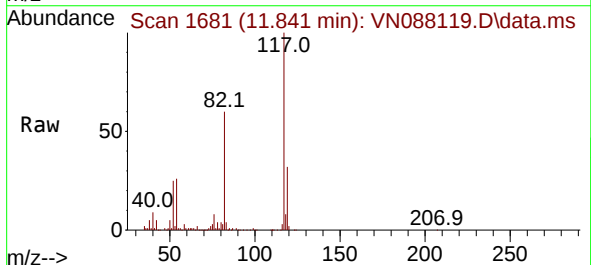
Tgt Ion: 95 Resp: 254790
Ion Ratio Lower Upper
95 100
174 67.8 0.0 138.4
176 64.8 0.0 132.6

Manual Integrations
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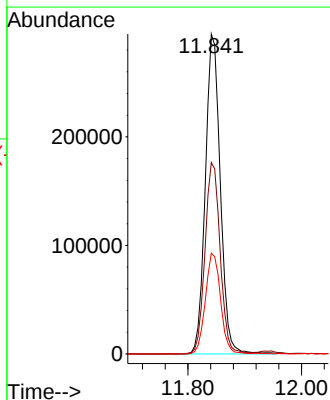
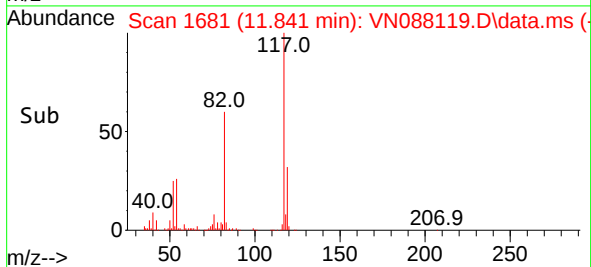
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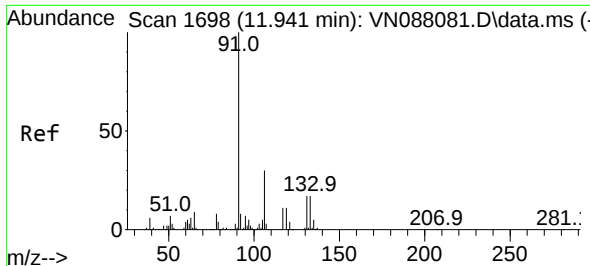


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58



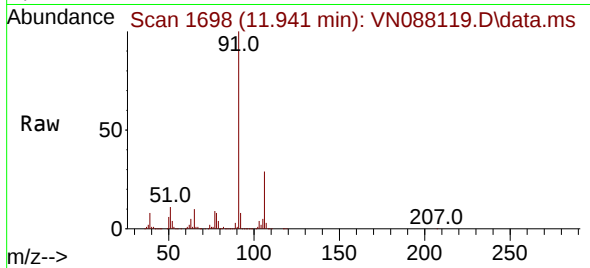
Tgt Ion:117 Resp: 537996
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.5 24.3 36.5





#67
Ethyl Benzene
Concen: 36.635 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

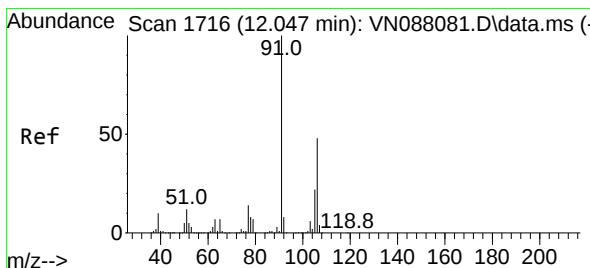
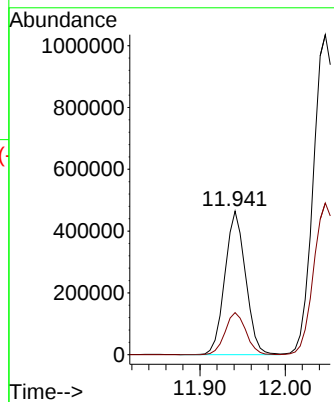
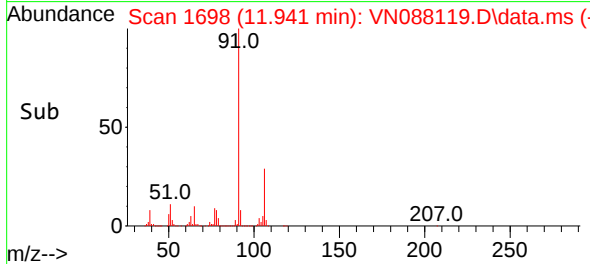
Instrument :
MSVOA_N
ClientSampleId :
TWP5



Tgt Ion: 91 Resp: 785583
Ion Ratio Lower Upper
91 100
106 29.4 24.1 36.1

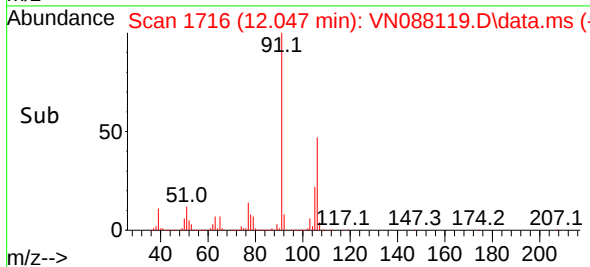
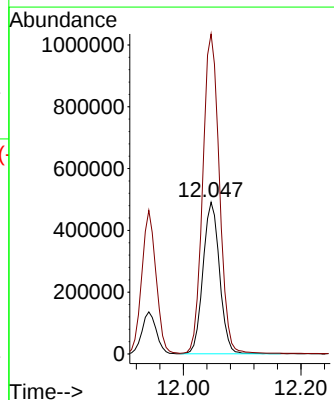
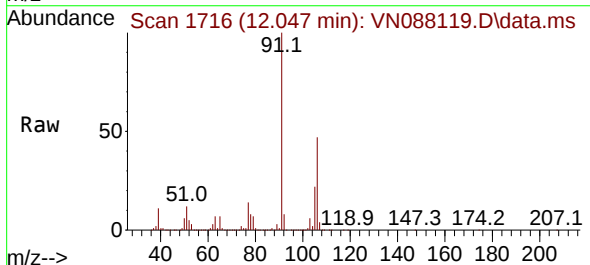
Manual Integrations
APPROVED

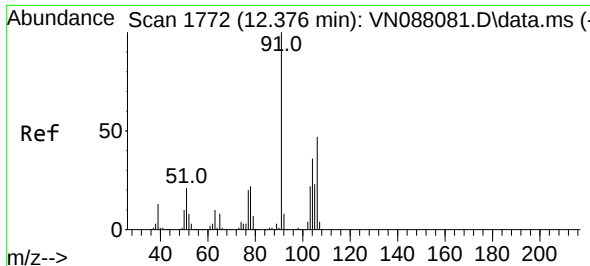
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#68
m/p-Xylenes
Concen: 119.519 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

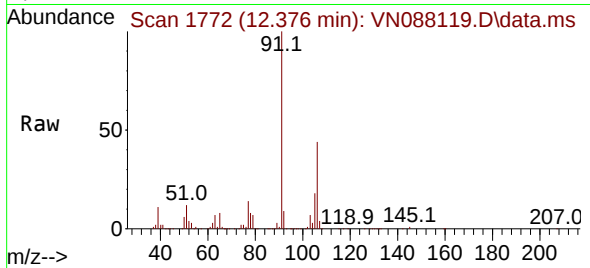
Tgt Ion:106 Resp: 960262
Ion Ratio Lower Upper
106 100
91 211.3 169.3 253.9





#69
o-Xylene
Concen: 20.312 ug/l
RT: 12.376 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

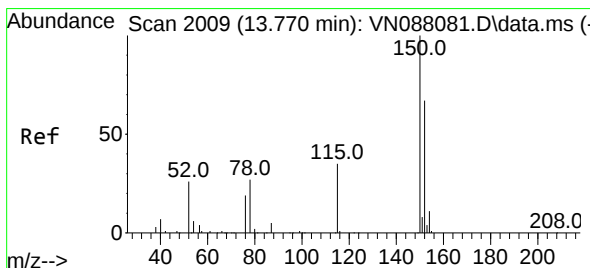
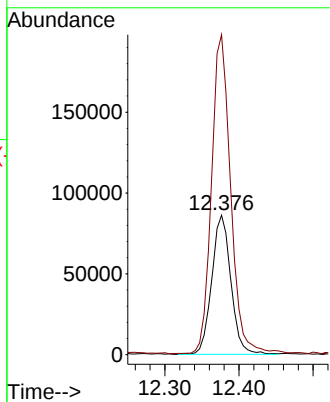
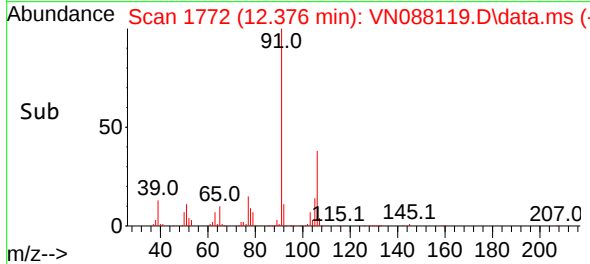
Instrument :
MSVOA_N
ClientSampleId :
TWP5



Tgt Ion:106 Resp: 154702
Ion Ratio Lower Upper
106 100
91 228.1 111.4 334.2

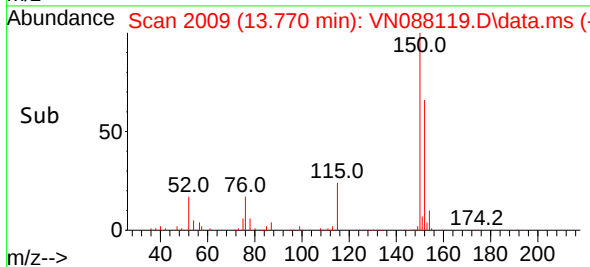
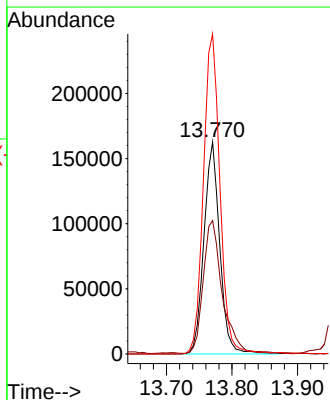
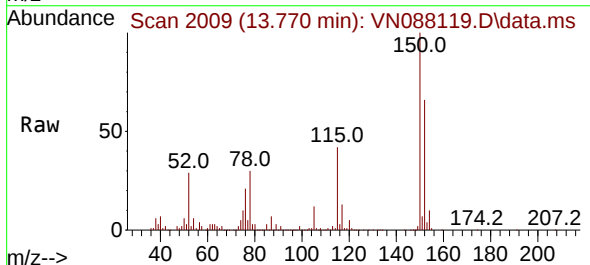
Manual Integrations
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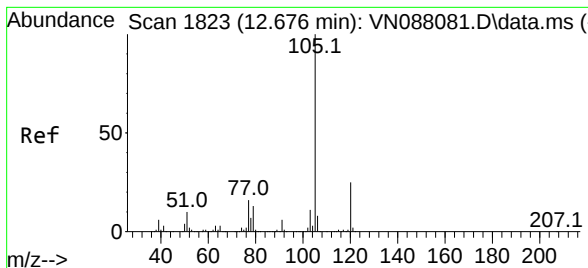
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:152 Resp: 272811
Ion Ratio Lower Upper
152 100
115 75.5 32.3 96.8
150 157.8 0.0 351.0





#73

Isopropylbenzene

Concen: 6.574 ug/l

RT: 12.670 min Scan# 1823

Delta R.T. -0.000 min

Lab File: VN088119.D

Acq: 27 Oct 2025 16:58

Instrument :

MSVOA_N

ClientSampleId :

TWP5

Tgt Ion:105 Resp: 138334

Ion Ratio Lower Upper

105 100

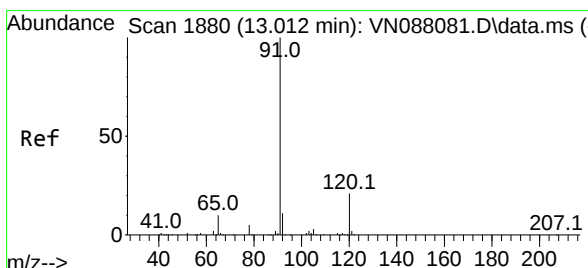
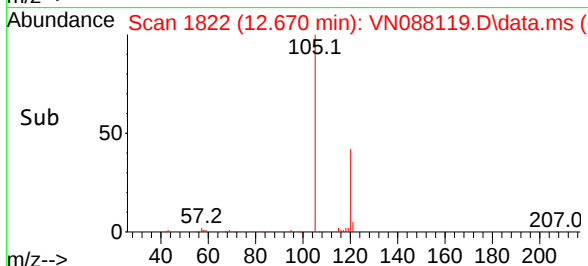
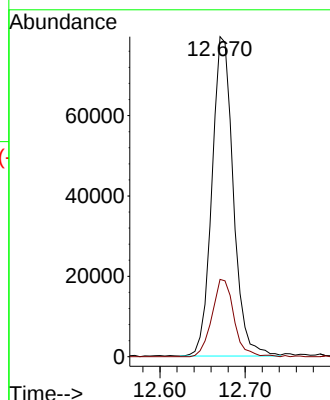
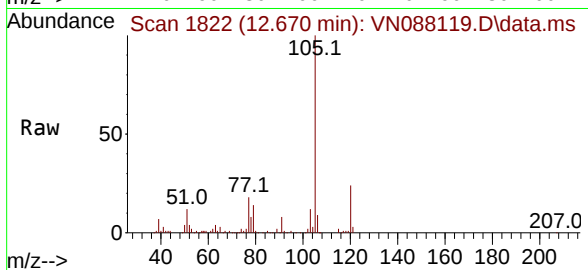
120 25.0 12.8 38.3

Manual Integrations

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Reviewed By :John Carlone 10/28/2025

Supervised By :Semsettin Yesilyurt 10/28/2025



#78

n-propylbenzene

Concen: 15.718 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN088119.D

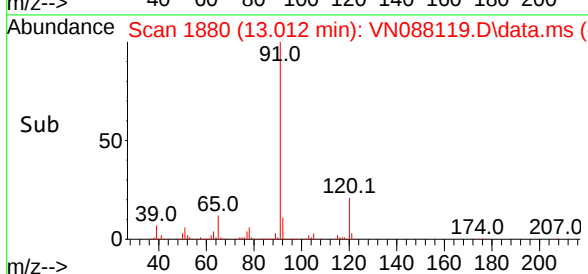
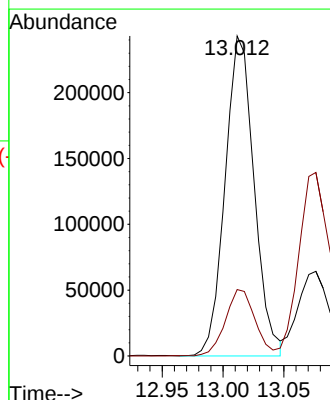
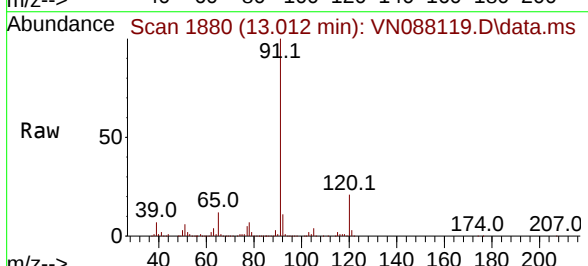
Acq: 27 Oct 2025 16:58

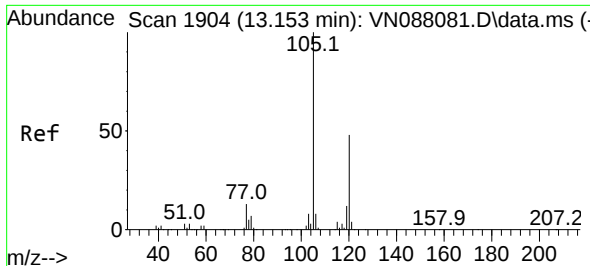
Tgt Ion: 91 Resp: 403599

Ion Ratio Lower Upper

91 100

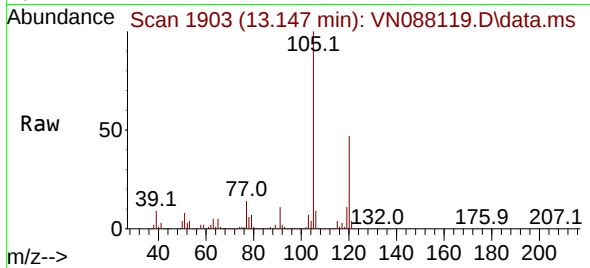
120 21.2 10.7 32.1





#80
1,3,5-Trimethylbenzene
Concen: 32.463 ug/l
RT: 13.147 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

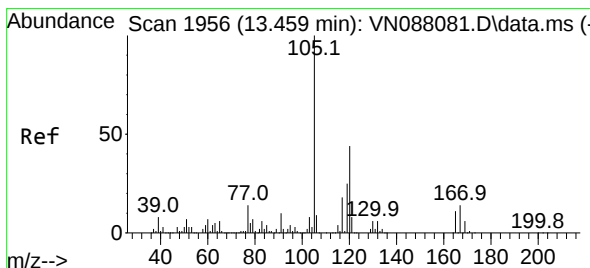
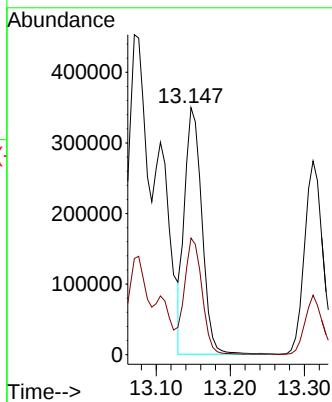
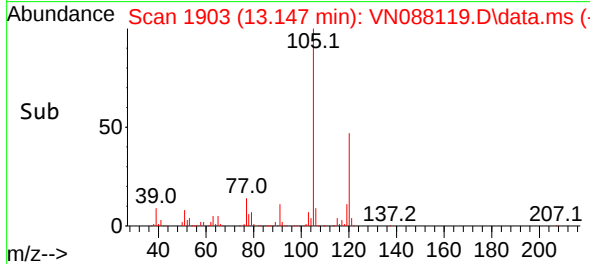
Instrument :
MSVOA_N
ClientSampleId :
TWP5



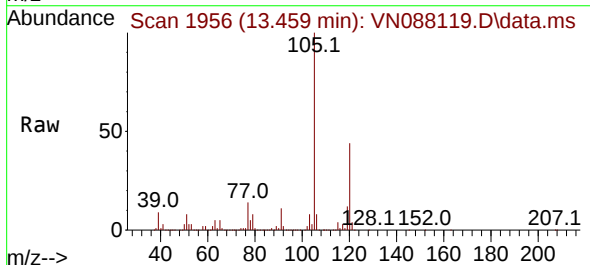
Tgt Ion:105 Resp: 567292
Ion Ratio Lower Upper
105 100
120 49.4 23.2 69.6

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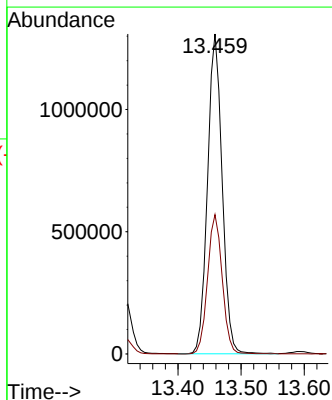
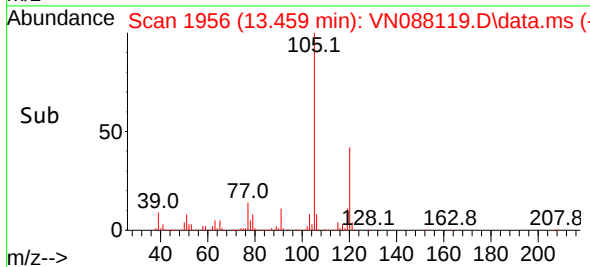
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

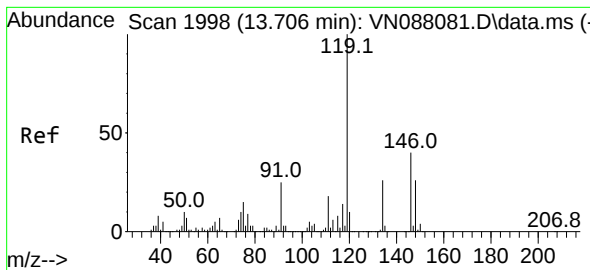


#84
1,2,4-Trimethylbenzene
Concen: 120.022 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58



Tgt Ion:105 Resp: 2098441
Ion Ratio Lower Upper
105 100
120 43.8 22.0 66.0





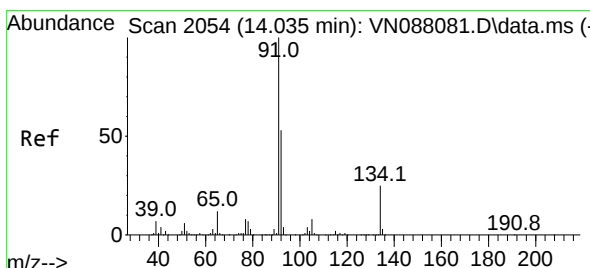
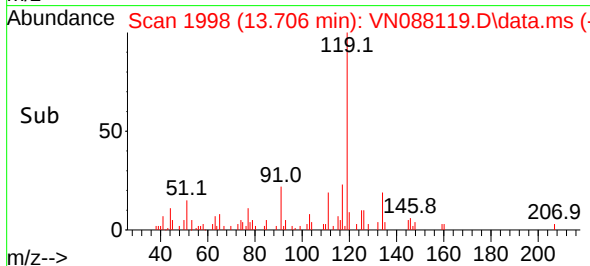
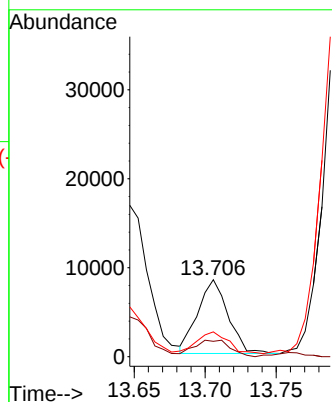
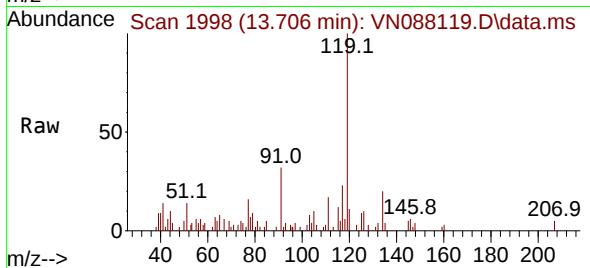
#86
p-Isopropyltoluene
Concen: 0.668 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Instrument :
MSVOA_N
ClientSampleId :
TWP5

Tgt Ion:119 Resp: 12295
Ion Ratio Lower Upper
119 100
134 26.3 12.7 38.0
91 0.0 12.5 37.5

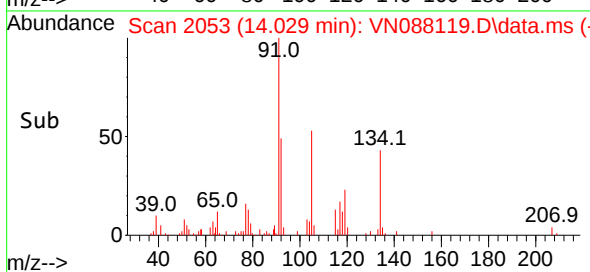
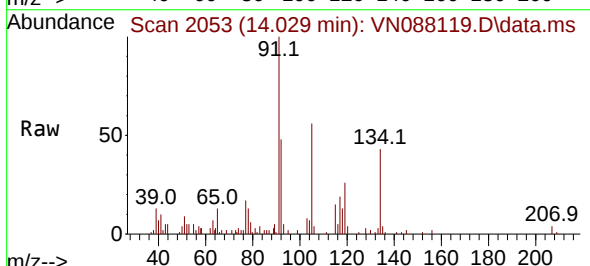
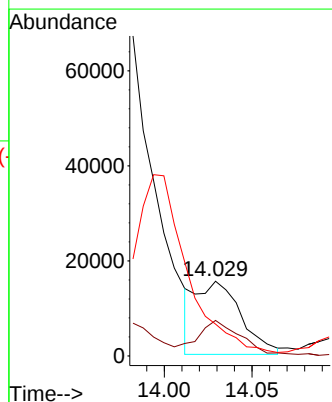
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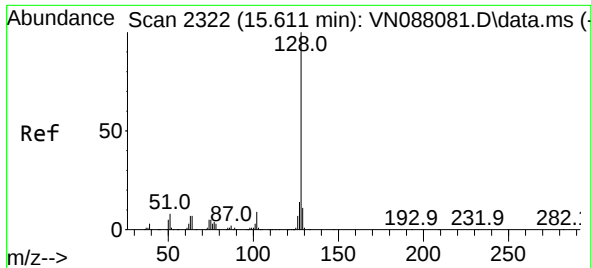
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



#89
n-Butylbenzene
Concen: 1.510 ug/l m
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

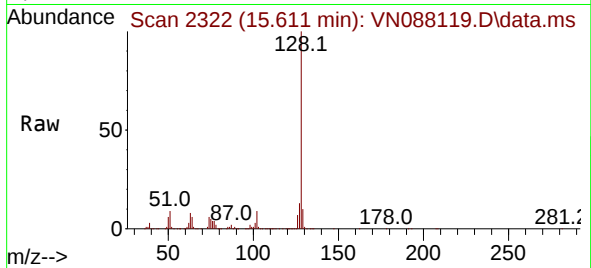
Tgt Ion: 91 Resp: 27520
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 11.7 35.0#





#95
Naphthalene
Concen: 72.968 ug/l
RT: 15.611 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Instrument :
MSVOA_N
ClientSampleId :
TWP5



Tgt Ion:128 Resp: 1321798
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.7 8.6 12.8

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Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

