

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088181.D
 Acq On : 31 Oct 2025 12:37
 Operator : JC\MD
 Sample : Q3447-07 20X
 Misc : 3.22g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW4-251023-01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Semsettin Yesilyurt 11/03/2025

Quant Time: Nov 01 00:31:11 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	258830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	583560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	559868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	283129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	269244	60.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.320%			
35) Dibromofluoromethane	8.153	113	199885	50.986	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.980%			
50) Toluene-d8	10.547	98	758579	50.217	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.440%			
62) 4-Bromofluorobenzene	12.829	95	298019	55.863	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.720%			
Target Compounds					Qvalue	
16) Acetone	4.436	43	12575m	5.593	ug/l	
52) Toluene	10.606	92	16941	1.576	ug/l	94
67) Ethyl Benzene	11.947	91	22215	0.996	ug/l	91
86) p-Isopropyltoluene	13.706	119	30575	1.601	ug/l	96

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

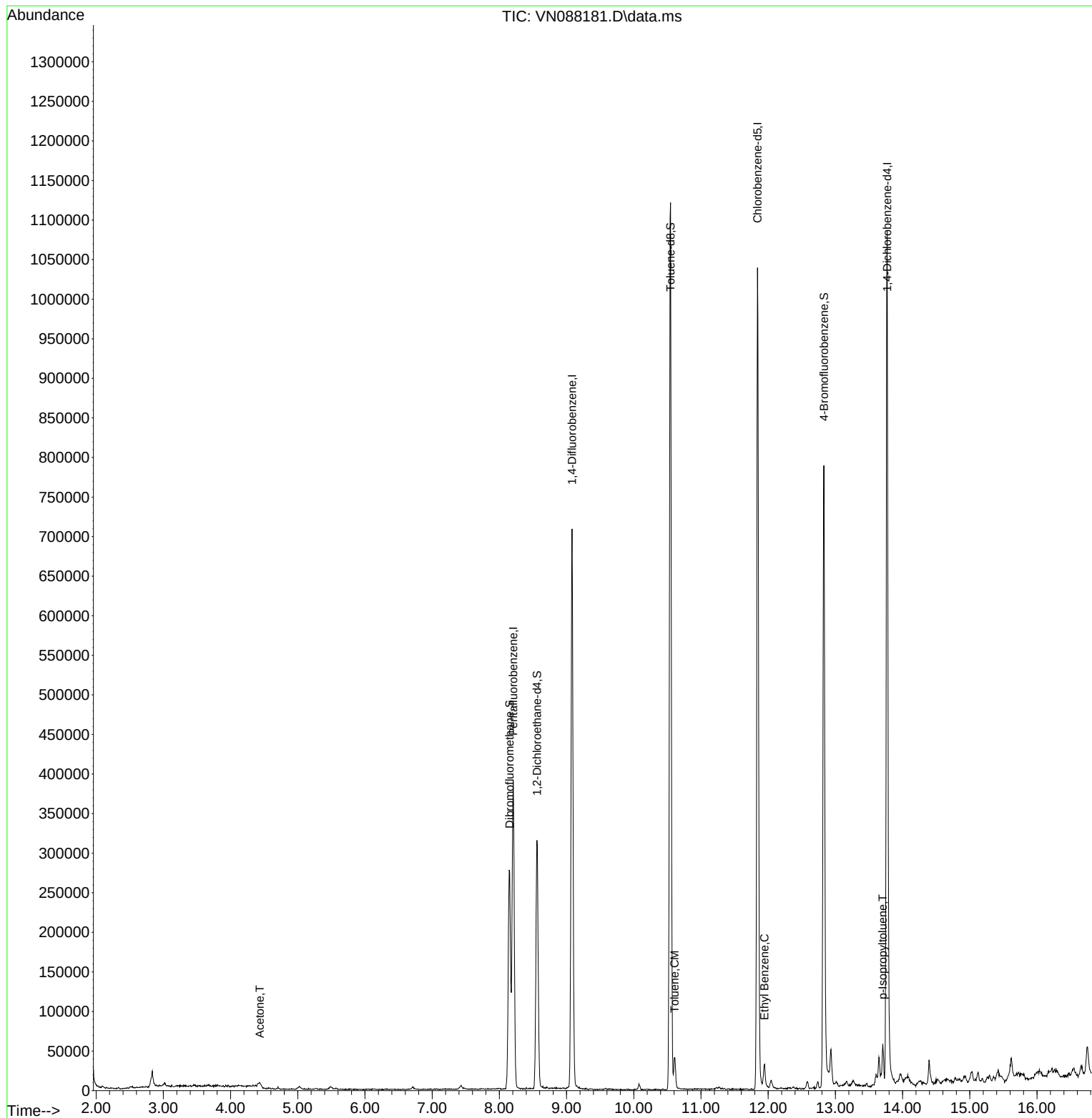
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
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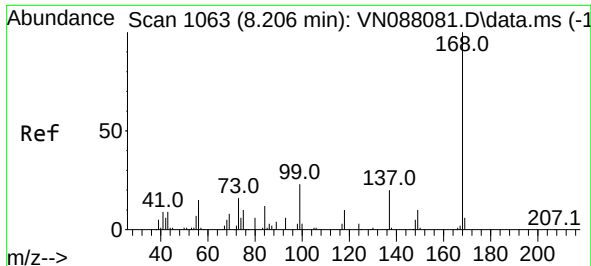
Instrument :
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P001-TW4-251023-01

Quant Time: Nov 01 00:31:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
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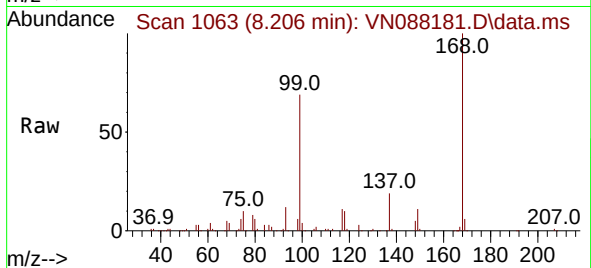
Reviewed By :Amit Patel 11/03/2025
Supervised By :Semsettin Yesilyurt 11/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088181.D
Acq: 31 Oct 2025 12:37

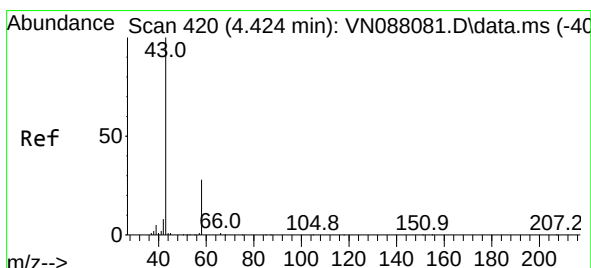
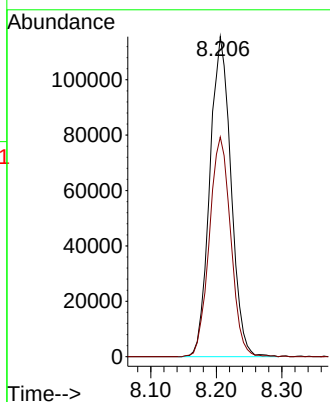
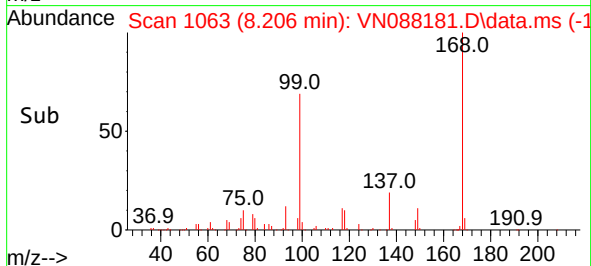
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01



Tgt Ion:168 Resp: 258830
Ion Ratio Lower Upper
168 100
99 68.6 57.2 85.8

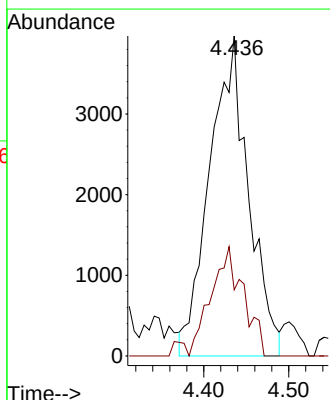
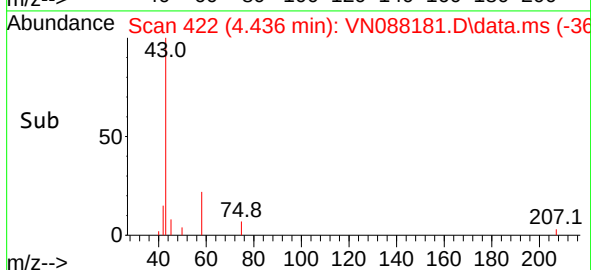
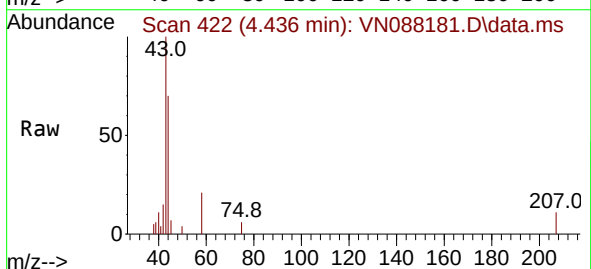
Manual Integrations
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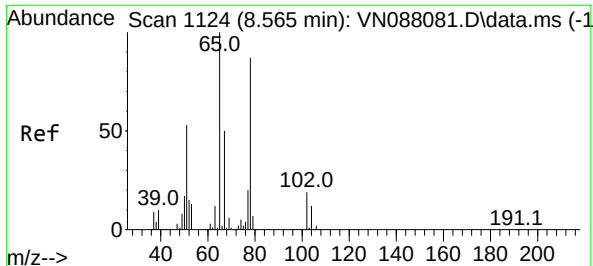
Reviewed By :Amit Patel 11/03/2025
Supervised By :Semsettin Yesilyurt 11/03/2025



#16
Acetone
Concen: 5.593 ug/l m
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN088181.D
Acq: 31 Oct 2025 12:37

Tgt Ion: 43 Resp: 12575
Ion Ratio Lower Upper
43 100
58 20.6 22.6 33.8#





#33

1,2-Dichloroethane-d4

Concen: 60.157 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088181.D

Acq: 31 Oct 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

P001-TW4-251023-01

Tgt Ion: 65 Resp: 26924

Ion Ratio Lower Upper

65 100

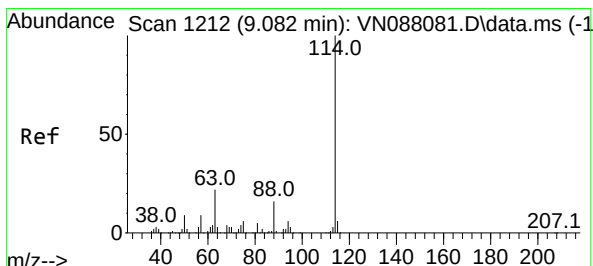
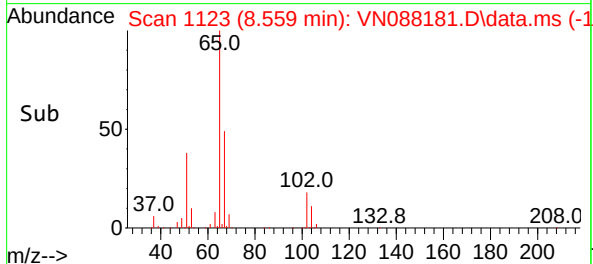
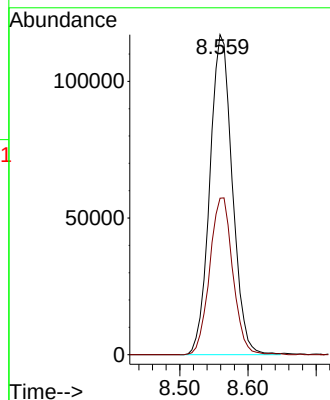
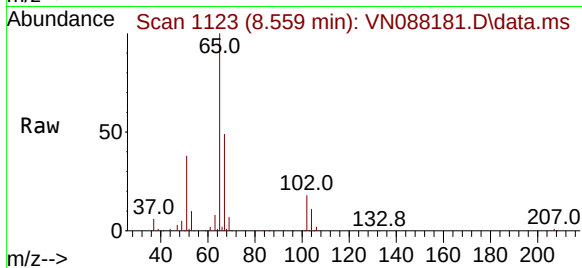
67 50.4 0.0 100.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088181.D

Acq: 31 Oct 2025 12:37

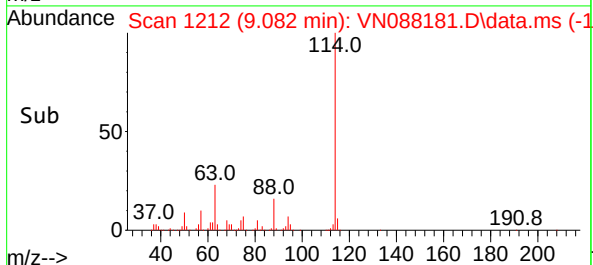
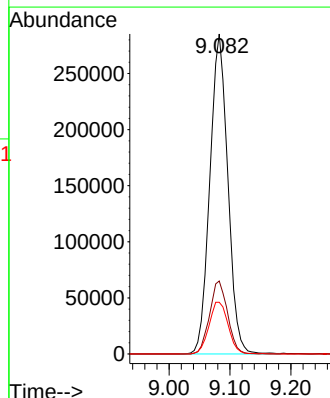
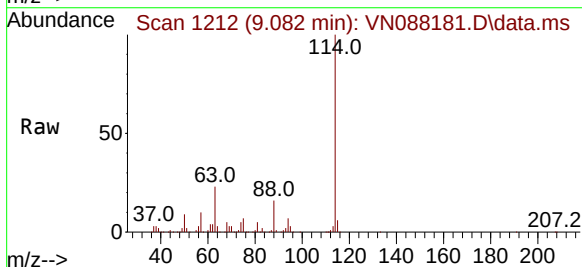
Tgt Ion:114 Resp: 583560

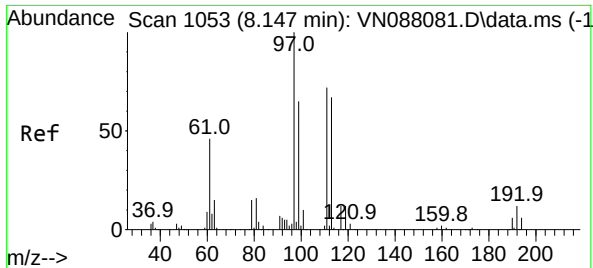
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

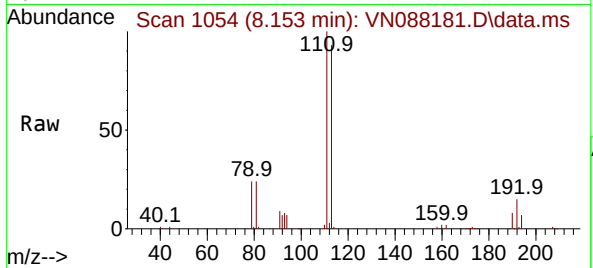
88 16.2 0.0 33.4





#35
Dibromofluoromethane
Concen: 50.986 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN088181.D
Acq: 31 Oct 2025 12:37

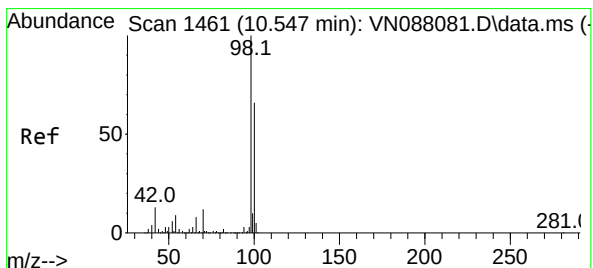
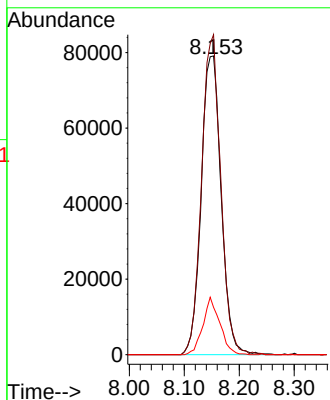
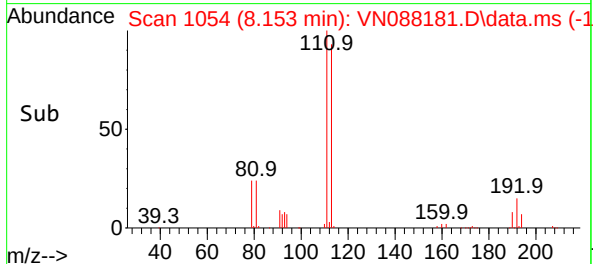
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01



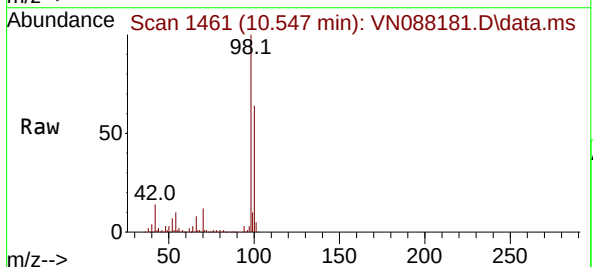
Tgt Ion:113 Resp: 199885
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 16.3 12.8 19.2

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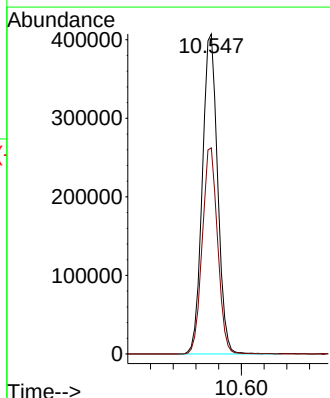
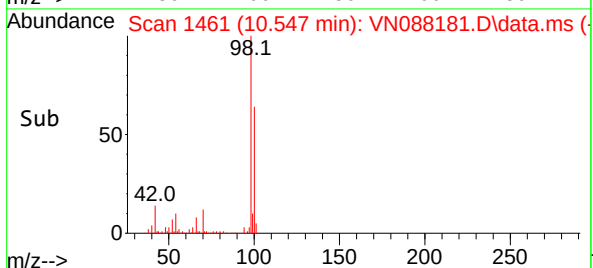
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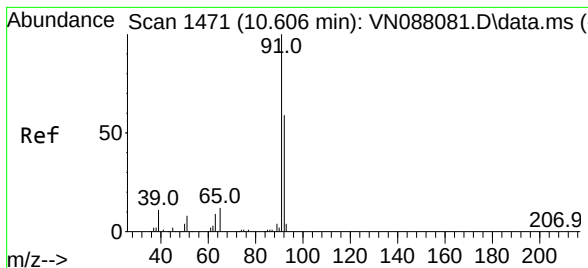


#50
Toluene-d8
Concen: 50.217 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088181.D
Acq: 31 Oct 2025 12:37



Tgt Ion: 98 Resp: 758579
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2





#52

Toluene

Concen: 1.576 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VN088181.D

Acq: 31 Oct 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

P001-TW4-251023-01

Tgt Ion: 92 Resp: 1694

Ion Ratio Lower Upper

92 100

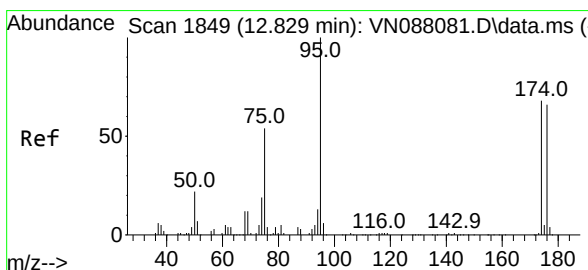
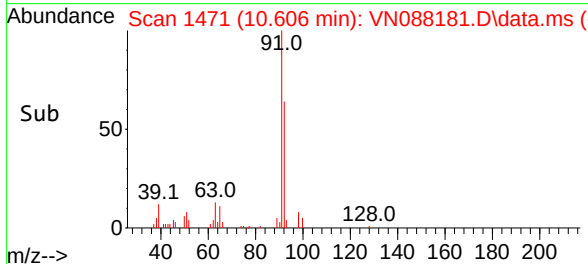
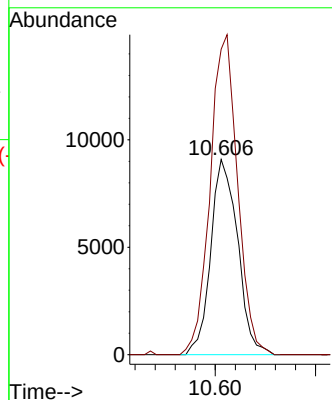
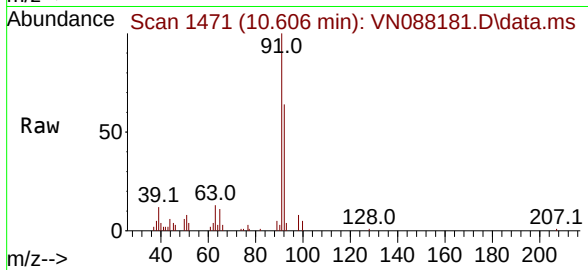
91 166.9 140.4 210.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 55.863 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088181.D

Acq: 31 Oct 2025 12:37

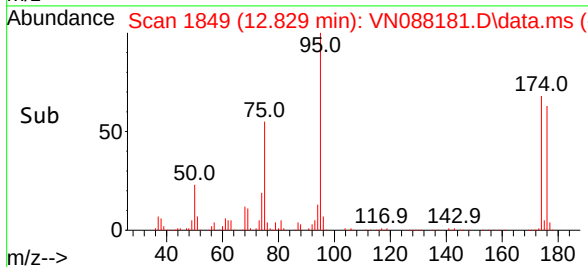
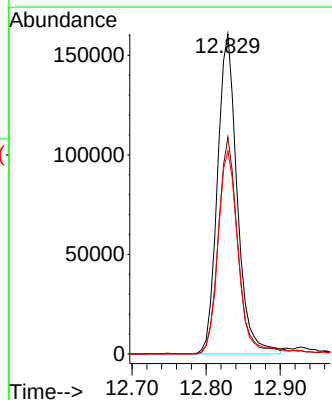
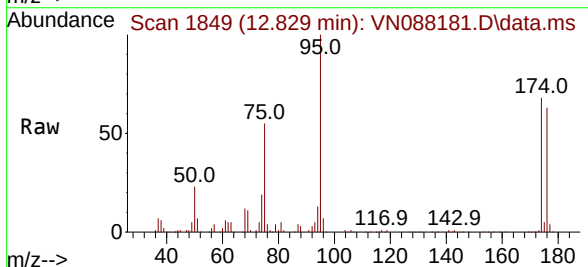
Tgt Ion: 95 Resp: 298019

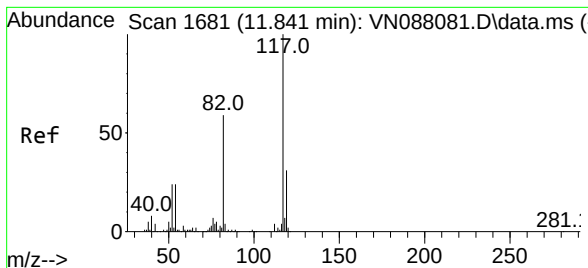
Ion Ratio Lower Upper

95 100

174 67.7 0.0 138.4

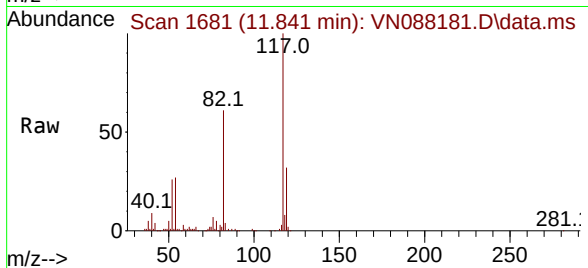
176 66.4 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088181.D
Acq: 31 Oct 2025 12:37

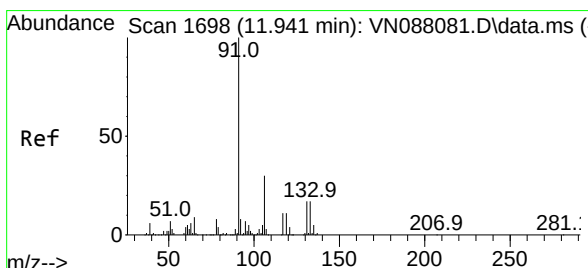
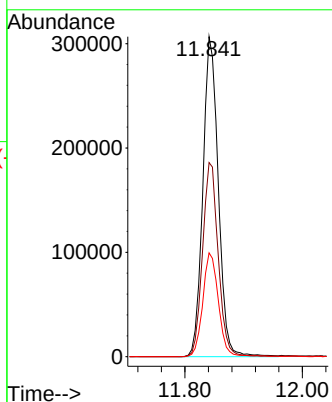
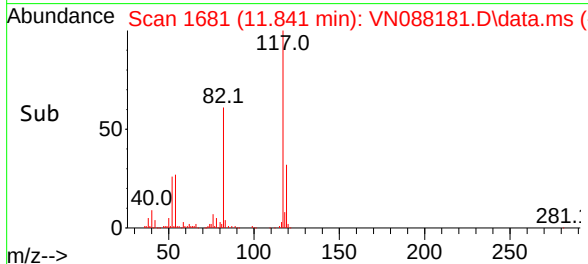
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MSVOA_N
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P001-TW4-251023-01



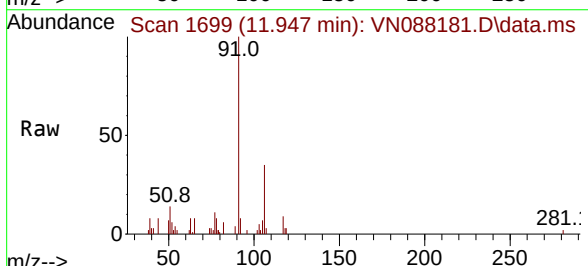
Tgt Ion: 117 Resp: 55986
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 32.4 24.3 36.5

Manual Integrations
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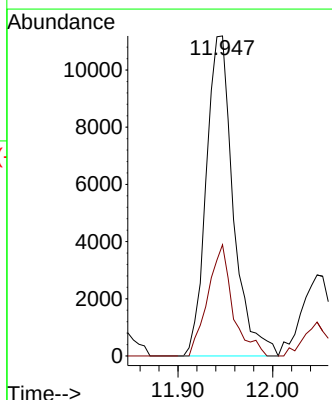
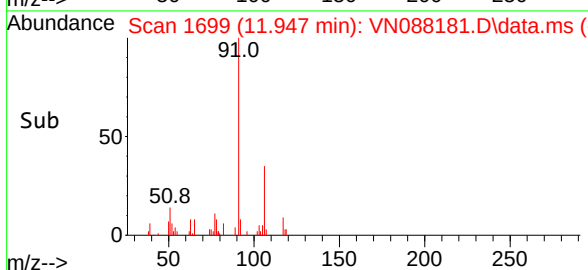
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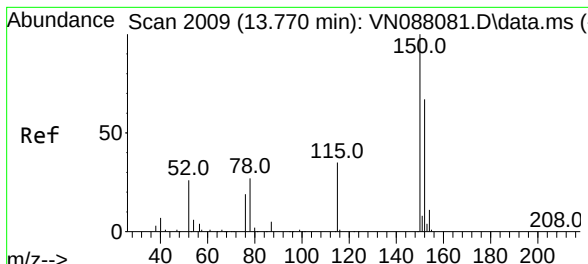


#67
Ethyl Benzene
Concen: 0.996 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN088181.D
Acq: 31 Oct 2025 12:37



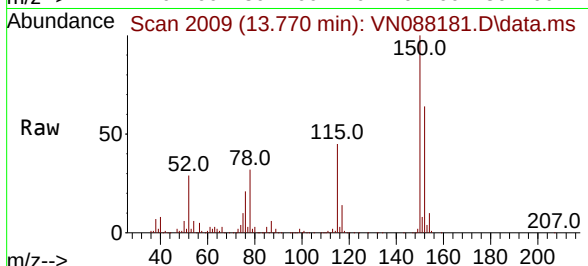
Tgt Ion: 91 Resp: 22215
Ion Ratio Lower Upper
91 100
106 34.7 24.1 36.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088181.D
 Acq: 31 Oct 2025 12:37

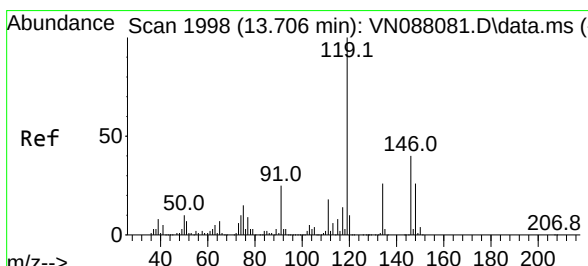
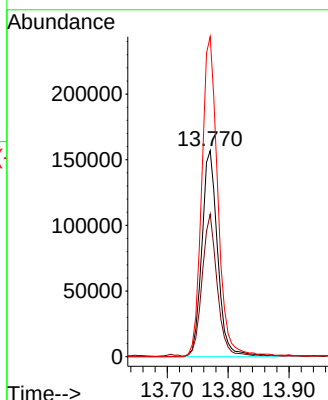
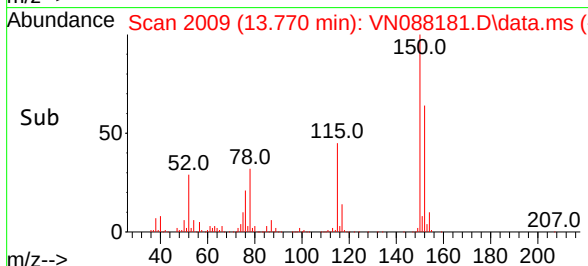
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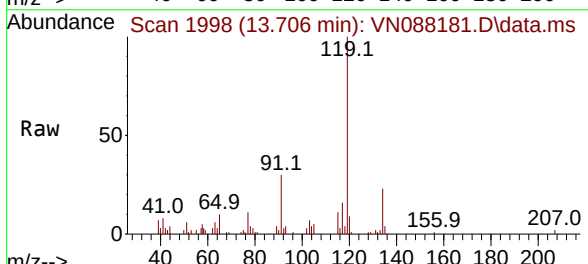
Tgt Ion:152 Resp: 283129
 Ion Ratio Lower Upper
 152 100
 115 65.0 32.3 96.8
 150 157.6 0.0 351.0

Manual Integrations
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 Supervised By :Semsettin Yesilyurt 11/03/2025



#86
 p-Isopropyltoluene
 Concen: 1.601 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088181.D
 Acq: 31 Oct 2025 12:37



Tgt Ion:119 Resp: 30575
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.7 38.0
 91 23.1 12.5 37.5

