

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086417.D
 Acq On : 28 Apr 2025 17:34
 Operator : JC\MD
 Sample : PB167744ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#14

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2025
 Supervised By : Semsettin Yesilyurt 04/29/2025

Quant Time: Apr 29 01:57:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	188288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	357465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132811	48.643	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.280%		
35) Dibromofluoromethane	8.165	113	88311	53.230	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.460%		
50) Toluene-d8	10.565	98	456337	51.466	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.940%		
62) 4-Bromofluorobenzene	12.847	95	167872	51.907	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.820%		
Target Compounds						
16) Acetone	4.424	43	66884	66.667	ug/l	99
18) Methyl Acetate	5.042	43	3414m	1.042	ug/l	
20) Methylene Chloride	5.277	84	3540	1.402	ug/l	84
43) Isopropyl Acetate	8.688	43	33043m	3.477	ug/l	

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

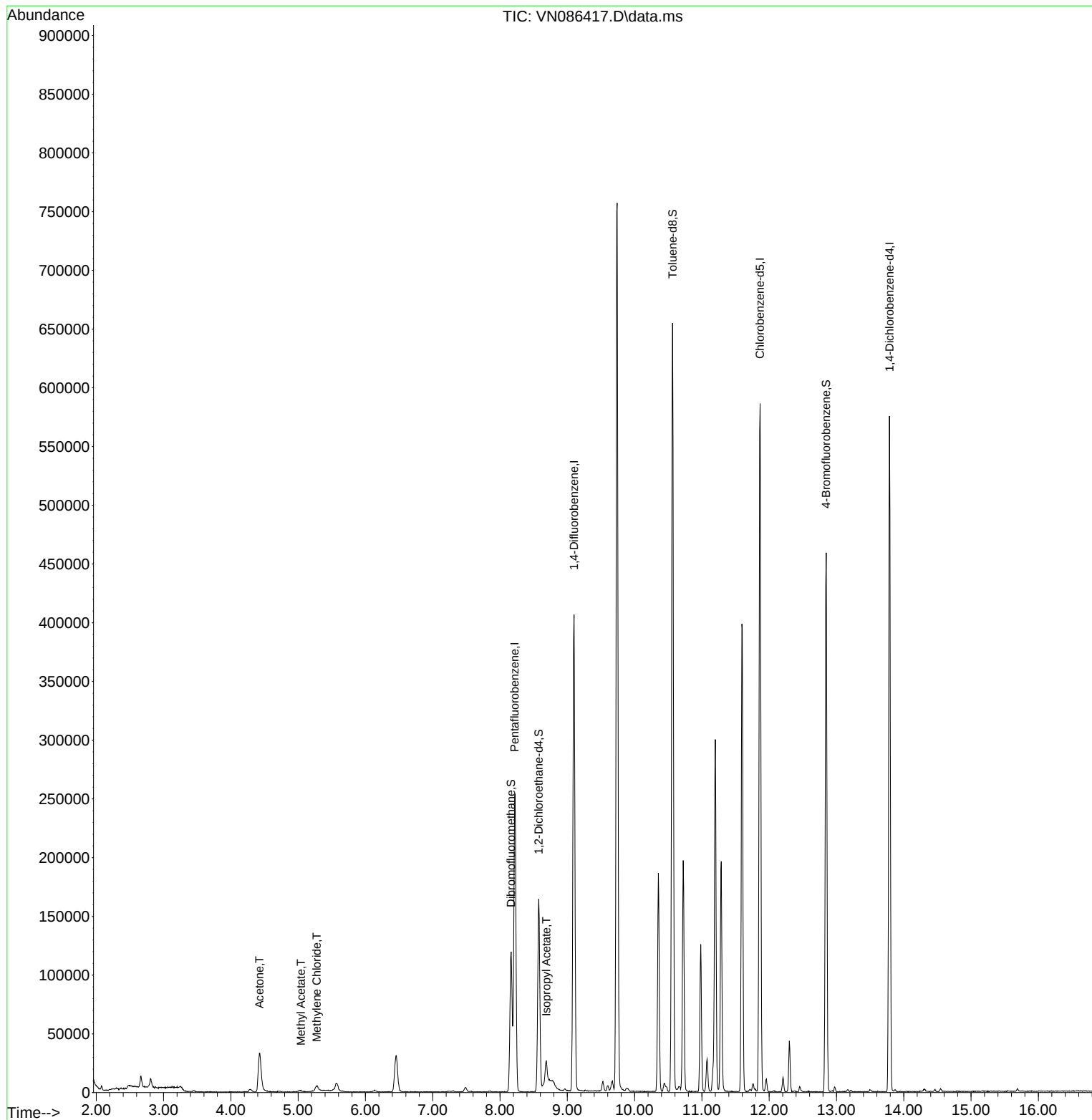
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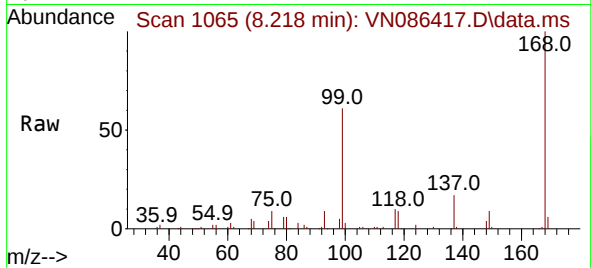
Reviewed By :John Carlone 04/29/2025
Supervised By :Semsettin Yesilyurt 04/29/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

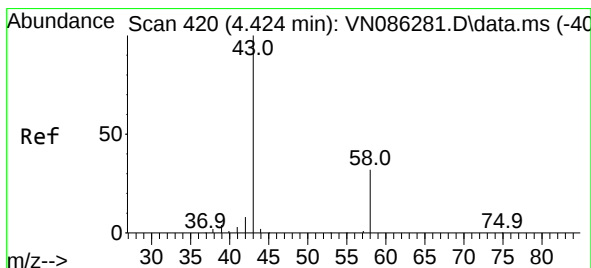
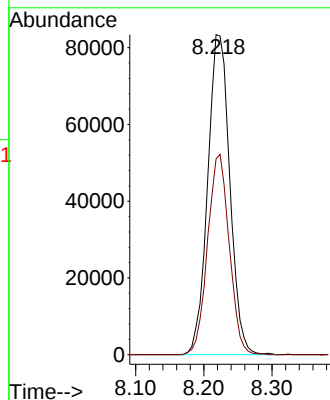
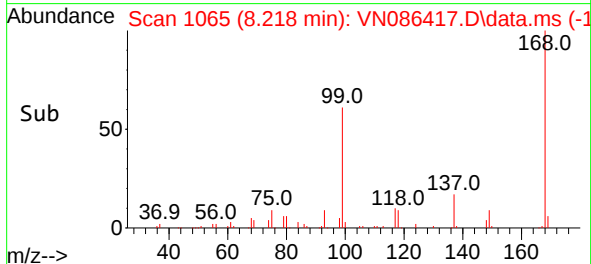
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#14



Tgt Ion:168 Resp: 18828
Ion Ratio Lower Upper
168 100
99 61.2 52.5 78.7

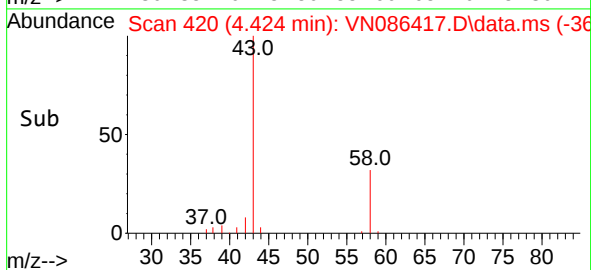
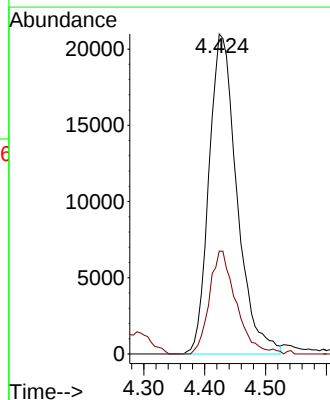
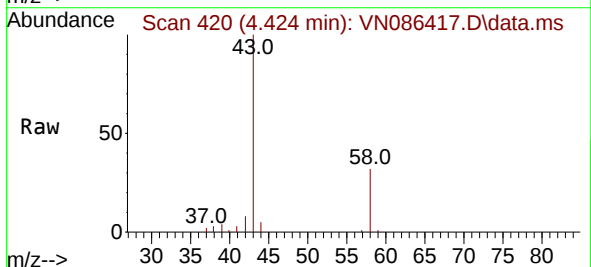
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#16
Acetone
Concen: 66.667 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

Tgt Ion: 43 Resp: 66884
Ion Ratio Lower Upper
43 100
58 32.1 25.3 37.9





#18

Methyl Acetate

Concen: 1.042 ug/l m

RT: 5.042 min Scan# 51

Delta R.T. 0.023 min

Lab File: VN086417.D

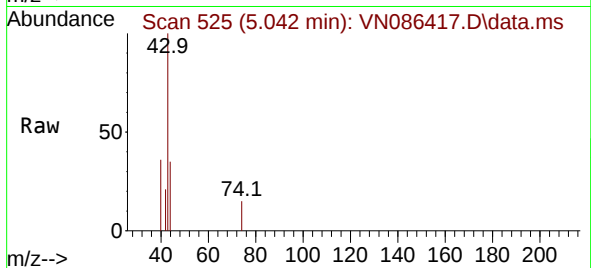
Acq: 28 Apr 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#14



Tgt Ion: 43 Resp: 3414

Ion Ratio Lower Upper

43 100

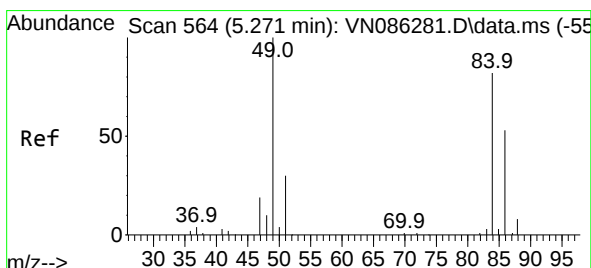
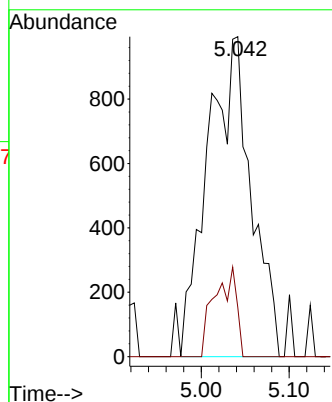
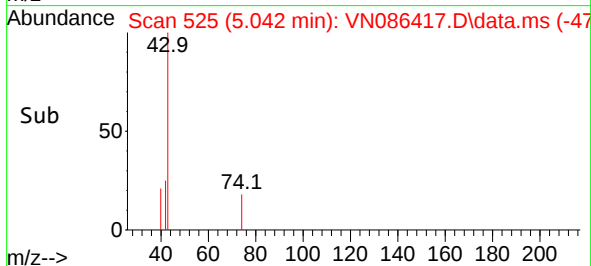
74 0.0 19.8 29.6

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#20

Methylene Chloride

Concen: 1.402 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086417.D

Acq: 28 Apr 2025 17:34

Tgt Ion: 84 Resp: 3540

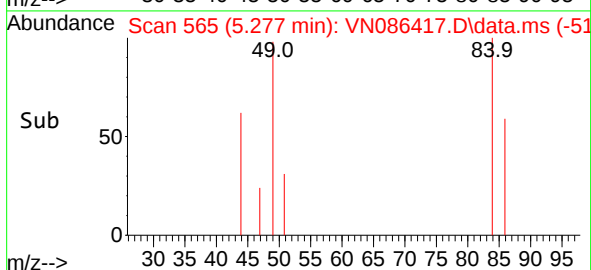
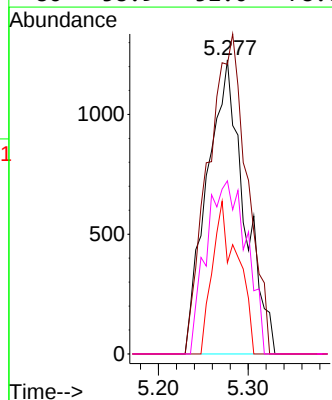
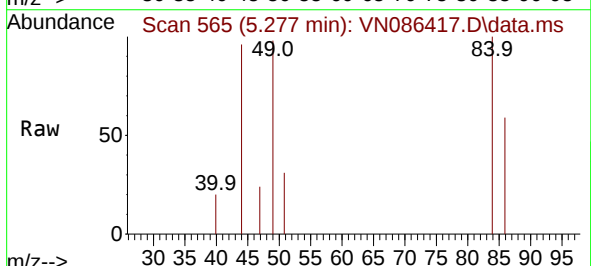
Ion Ratio Lower Upper

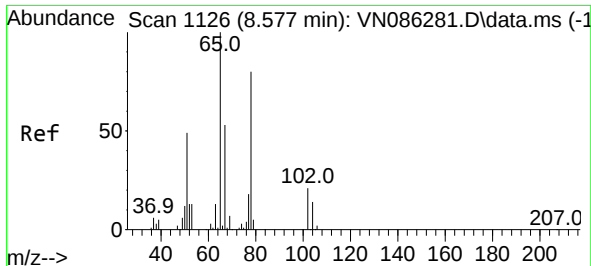
84 100

49 98.5 98.2 147.2

51 31.0 29.8 44.6

86 58.9 52.0 78.0





#33

1,2-Dichloroethane-d4

Concen: 48.643 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086417.D

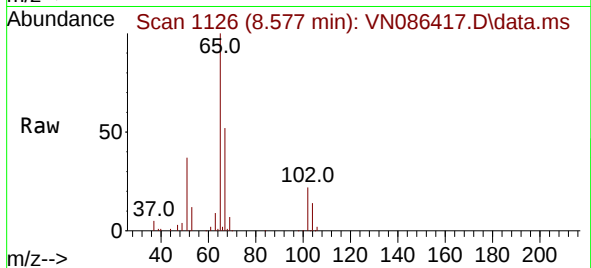
Acq: 28 Apr 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#14



Tgt Ion: 65 Resp: 13281

Ion Ratio Lower Upper

65 100

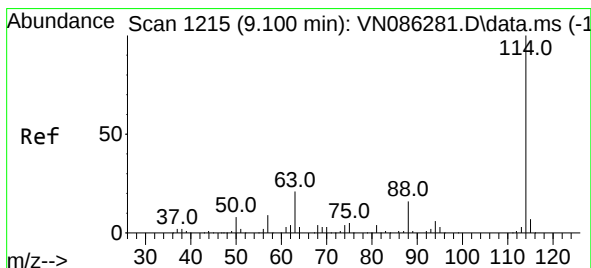
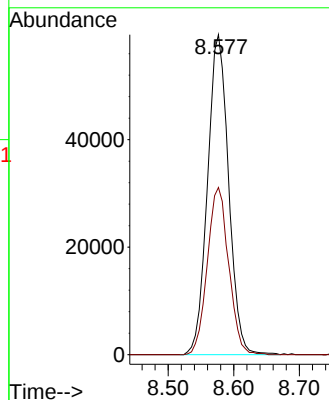
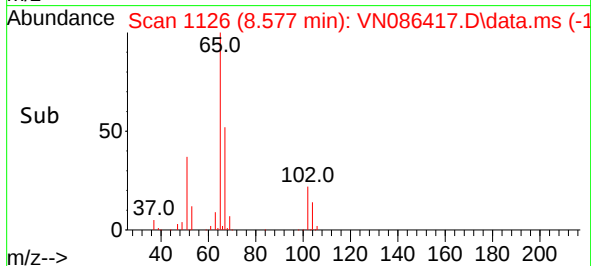
67 53.0 0.0 106.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086417.D

Acq: 28 Apr 2025 17:34

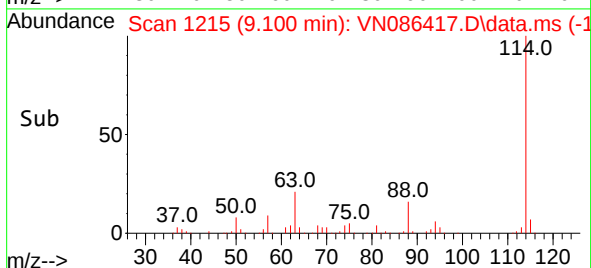
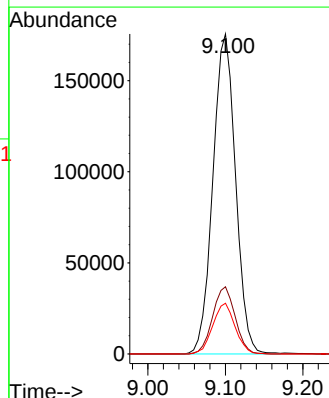
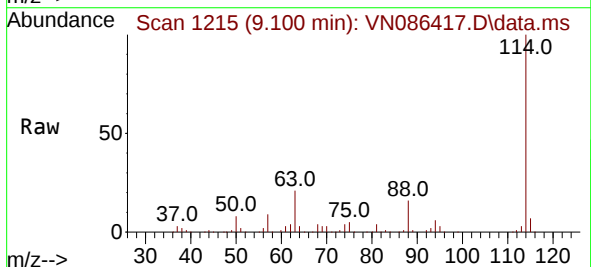
Tgt Ion:114 Resp: 357465

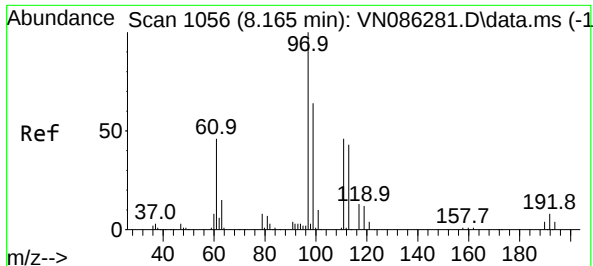
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.230 ug/l

RT: 8.165 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN086417.D

Acq: 28 Apr 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#14

Tgt Ion: 113 Resp: 8831

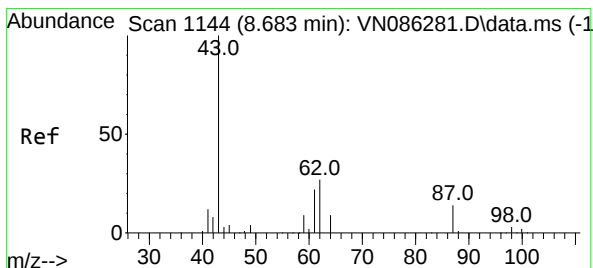
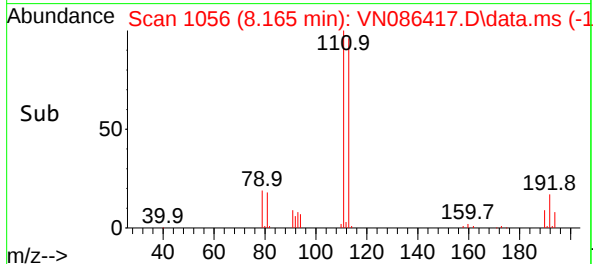
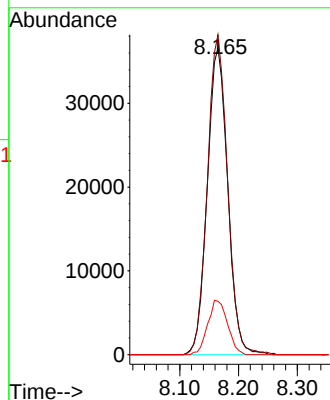
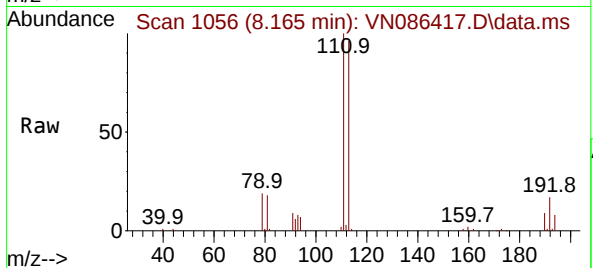
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.0
192	17.2	13.7	20.5

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#43

Isopropyl Acetate

Concen: 3.477 ug/l m

RT: 8.688 min Scan# 1145

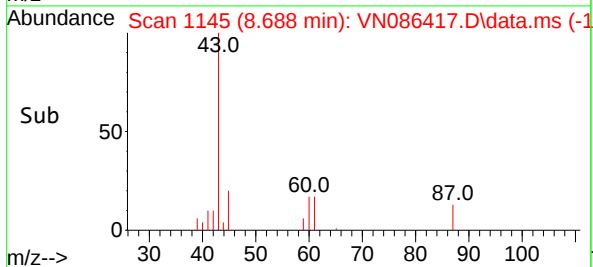
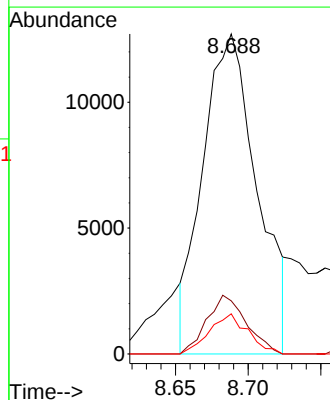
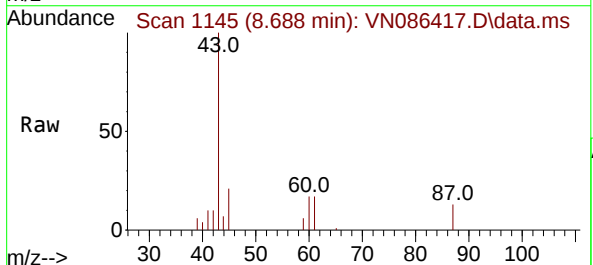
Delta R.T. 0.005 min

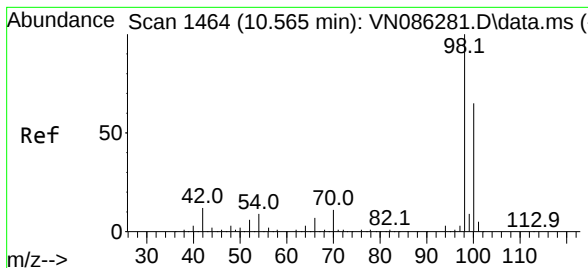
Lab File: VN086417.D

Acq: 28 Apr 2025 17:34

Tgt Ion: 43 Resp: 33043

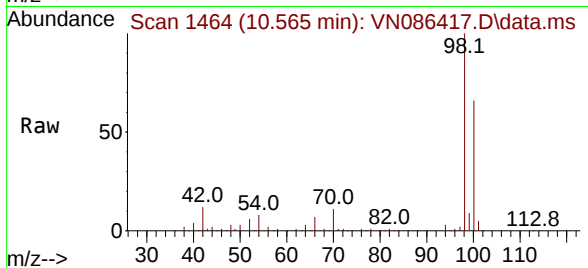
Ion	Ratio	Lower	Upper
43	100		
61	13.4	20.5	30.7#
87	8.9	10.5	15.7#





#50
Toluene-d8
Concen: 51.466 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

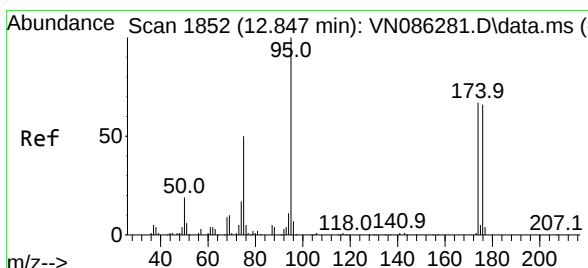
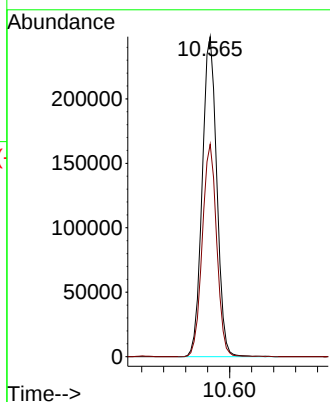
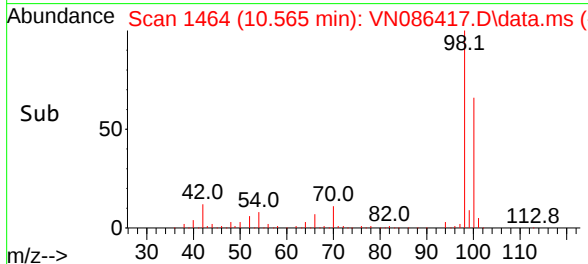
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#14



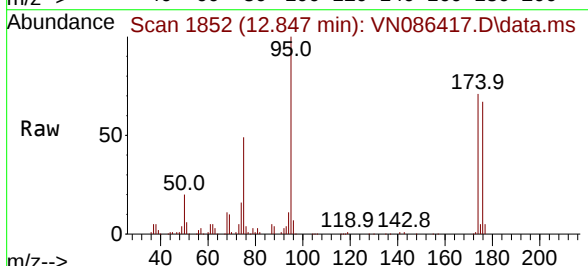
Tgt Ion: 98 Resp: 45633
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7

Manual Integrations
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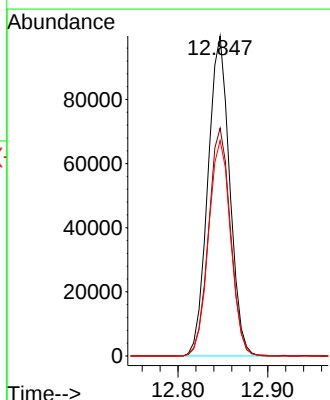
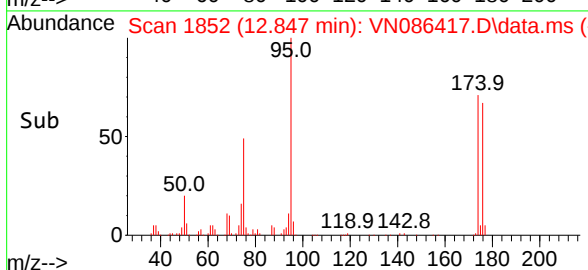
Reviewed By :John Carlone 04/29/2025
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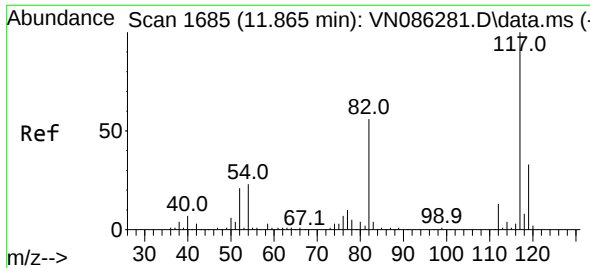


#62
4-Bromofluorobenzene
Concen: 51.907 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34



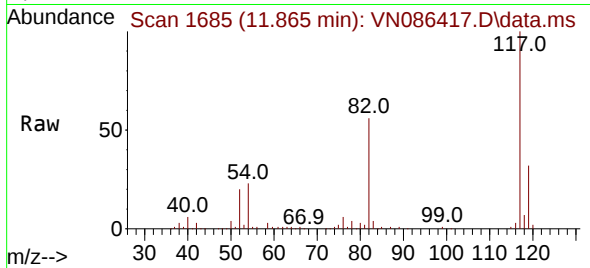
Tgt Ion: 95 Resp: 167872
Ion Ratio Lower Upper
95 100
174 71.7 0.0 133.4
176 68.6 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34

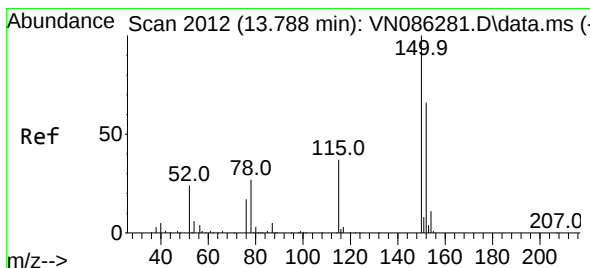
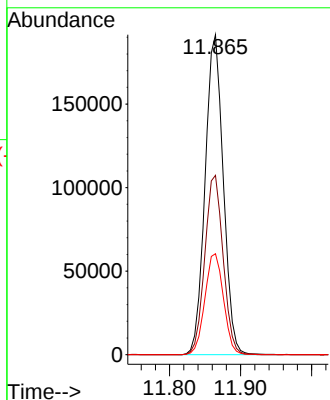
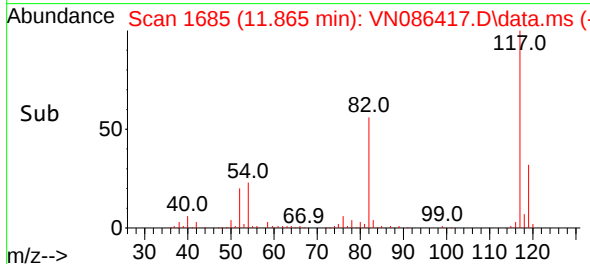
Instrument :
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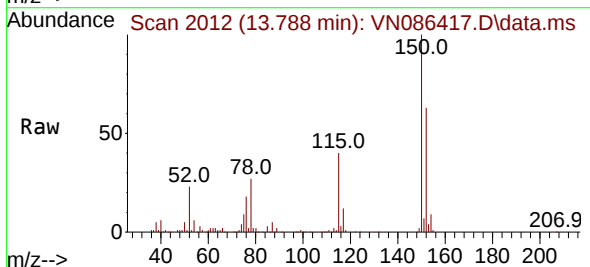
Tgt Ion:117 Resp: 341058
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 31.5 26.4 39.6

Manual Integrations
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Supervised By :Semsettin Yesilyurt 04/29/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086417.D
Acq: 28 Apr 2025 17:34



Tgt Ion:152 Resp: 152167
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.9
150 156.0 0.0 352.0

