

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086261.D
 Acq On : 14 Apr 2025 12:02
 Operator : JC\MD
 Sample : PB167573ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167573ZHE#01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 15 03:07:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	23128	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	140998	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	122339	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68569	30.396	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.333%			
60) 4-Bromofluorobenzene	12.847	95	69376	28.483	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.933%			
63) Toluene-d8	10.565	98	208690	30.215	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.733%			
Target Compounds						
12) Methyl Acetate	5.024	43	4575m	1.840	ug/l	Qvalue
15) Acetone	4.436	58	10047	37.742	ug/l	90
18) Methylene Chloride	5.271	84	8124	4.046	ug/l	90
44) Isopropyl Acetate	8.682	43	28142	5.374	ug/l #	74

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

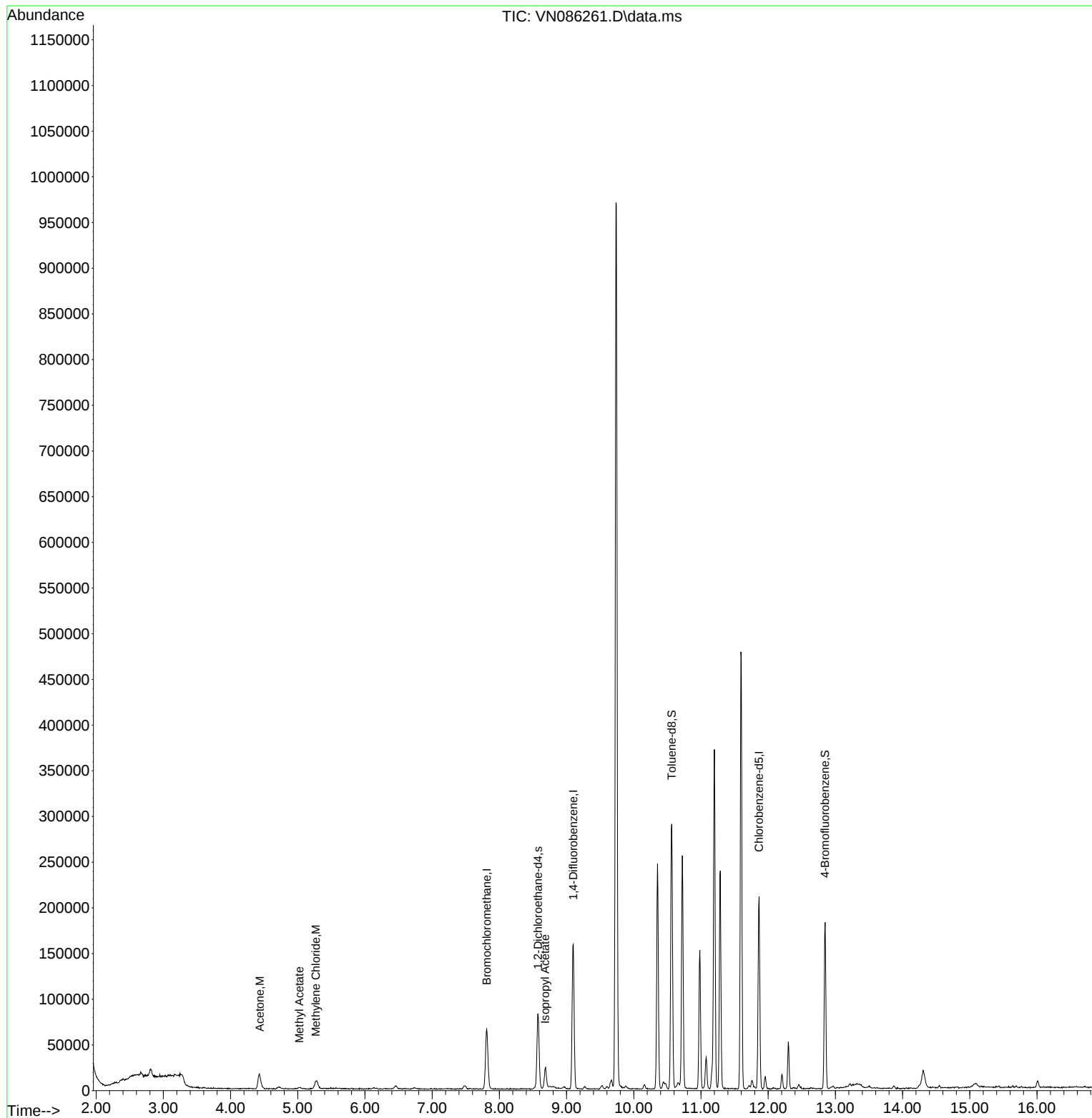
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
Data File : VN086261.D
Acq On : 14 Apr 2025 12:02
Operator : JC\MD
Sample : PB167573ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

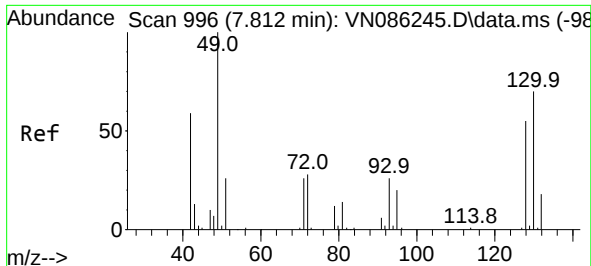
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

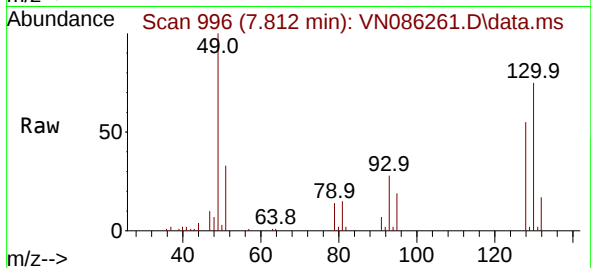
Quant Time: Apr 15 03:07:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086261.D
Acq: 14 Apr 2025 12:02

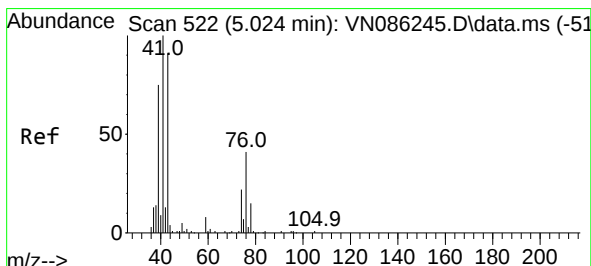
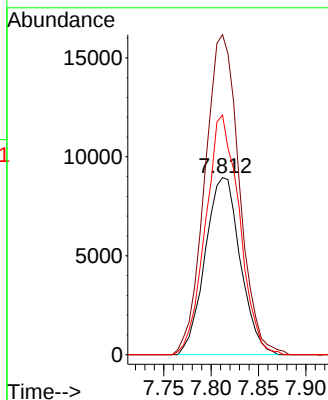
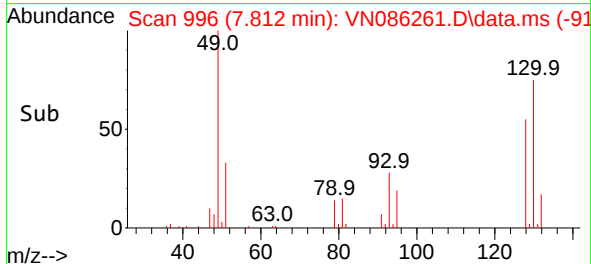
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#01



Tgt Ion:128 Resp: 23128
Ion Ratio Lower Upper
128 100
49 177.4 0.0 452.5
130 130.2 0.0 315.0

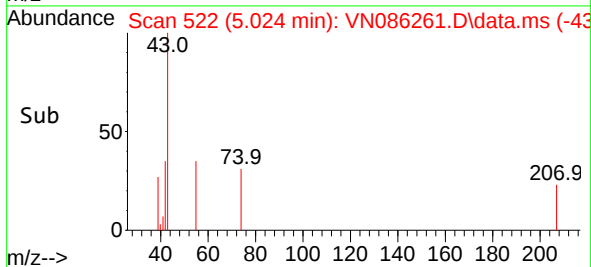
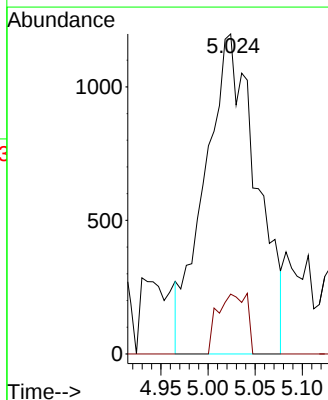
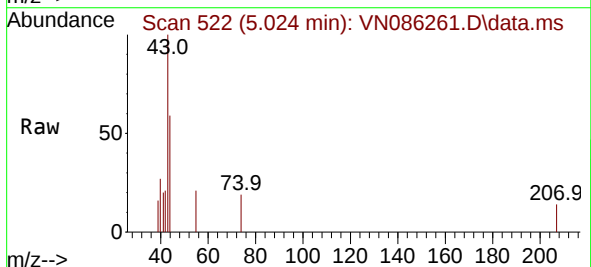
Manual Integrations
APPROVED

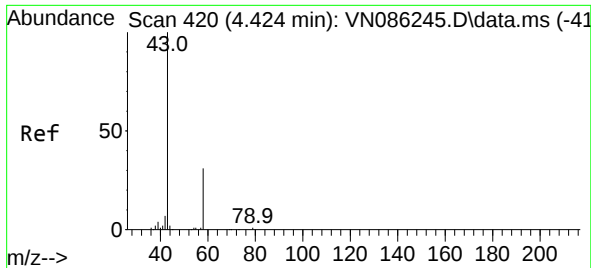
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#12
Methyl Acetate
Concen: 1.840 ug/l m
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086261.D
Acq: 14 Apr 2025 12:02

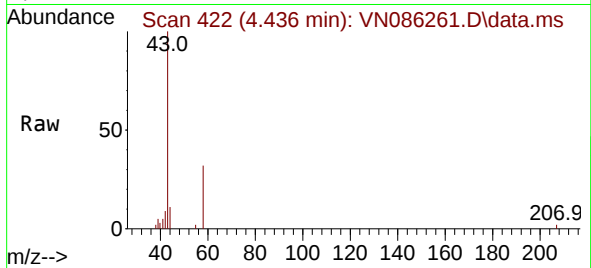
Tgt Ion: 43 Resp: 4575
Ion Ratio Lower Upper
43 100
74 18.7 19.1 28.7#





#15
Acetone
Concen: 37.742 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086261.D
Acq: 14 Apr 2025 12:02

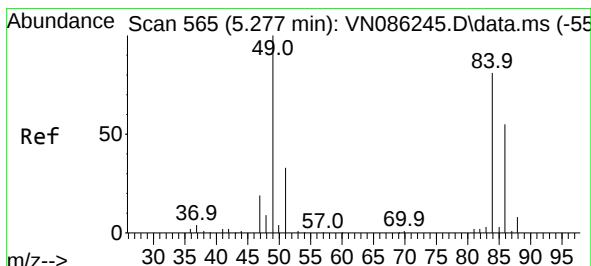
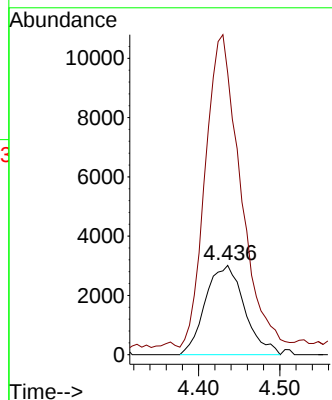
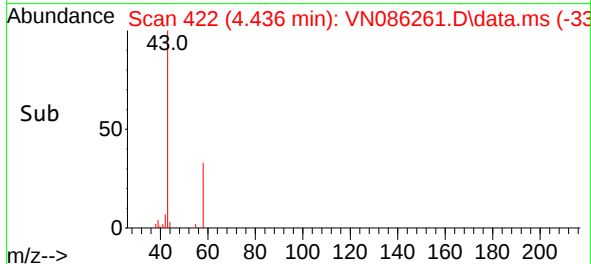
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#01



Tgt Ion: 58 Resp: 1004
Ion Ratio Lower Upper
58 100
43 307.0 261.8 392.8

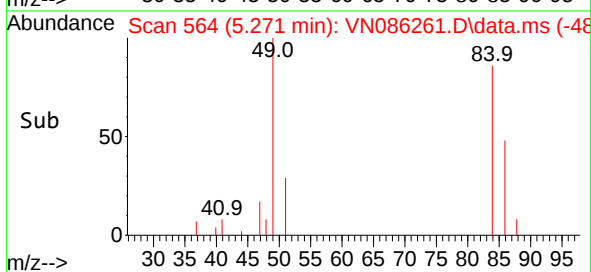
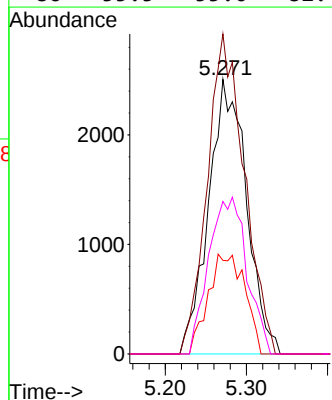
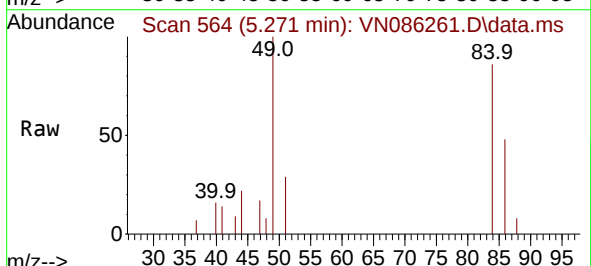
Manual Integrations
APPROVED

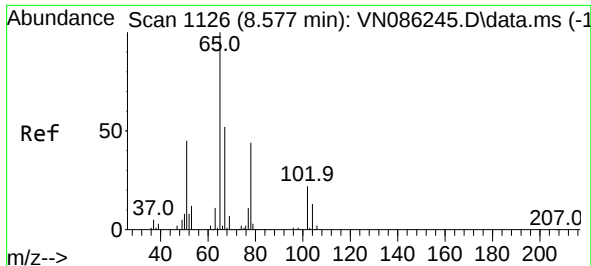
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methylene Chloride
Concen: 4.046 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN086261.D
Acq: 14 Apr 2025 12:02

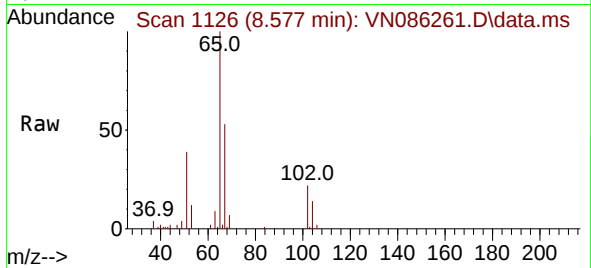
Tgt Ion: 84 Resp: 8124
Ion Ratio Lower Upper
84 100
49 116.6 99.1 148.7
51 34.1 32.3 48.5
86 55.5 55.0 82.4





#27
1,2-Dichloroethane-d4
Concen: 30.396 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086261.D
Acq: 14 Apr 2025 12:02

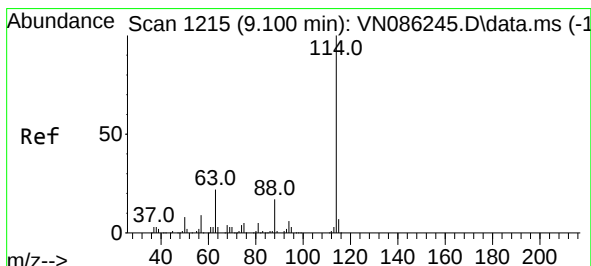
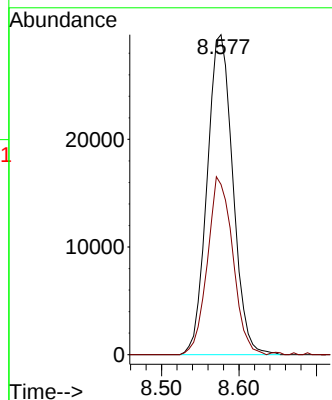
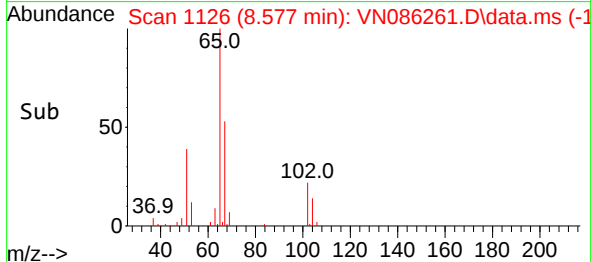
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#01



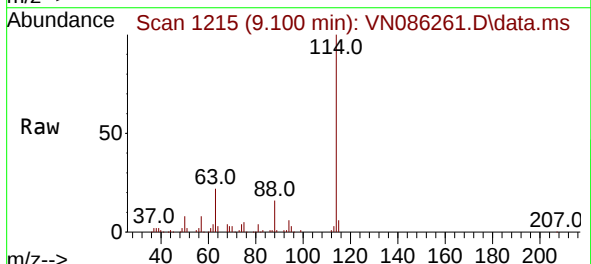
Tgt Ion: 65 Resp: 68569
Ion Ratio Lower Upper
65 100
67 54.8 43.4 65.2

Manual Integrations
APPROVED

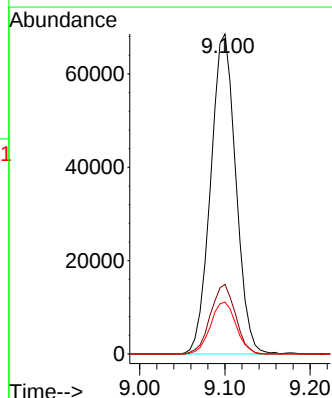
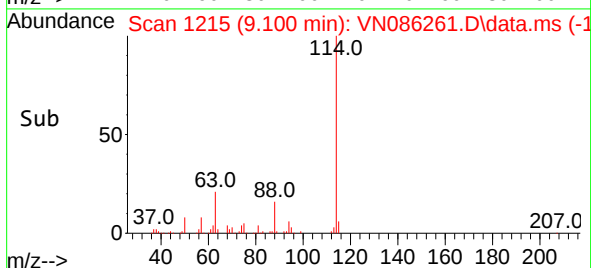
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

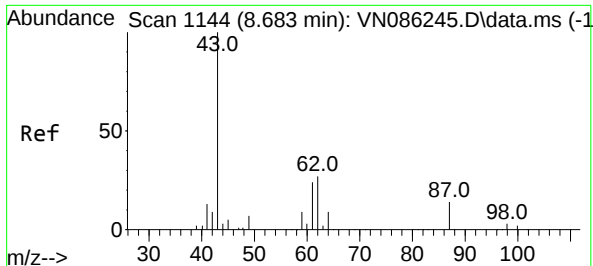


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086261.D
Acq: 14 Apr 2025 12:02



Tgt Ion:114 Resp: 140998
Ion Ratio Lower Upper
114 100
63 21.5 17.8 26.6
88 16.5 13.4 20.2





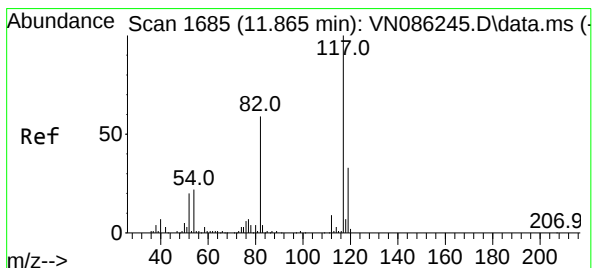
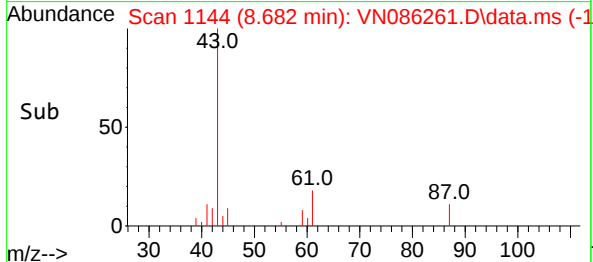
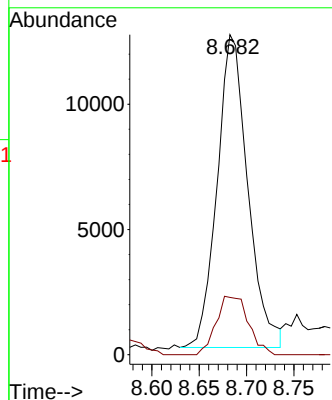
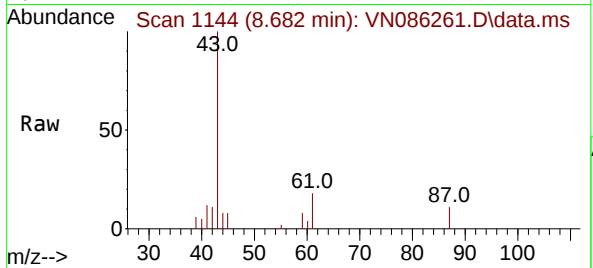
#44
Isopropyl Acetate
Concen: 5.374 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086261.D
Acq: 14 Apr 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#01

Tgt Ion: 43 Resp: 2814
Ion Ratio Lower Upper
43 100
61 12.6 20.5 30.7

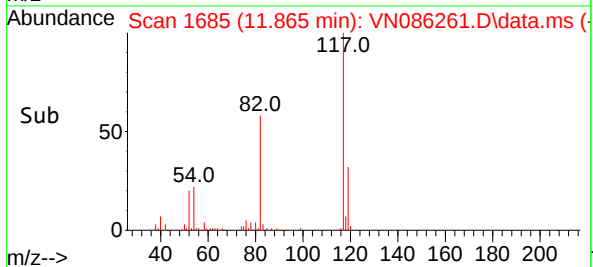
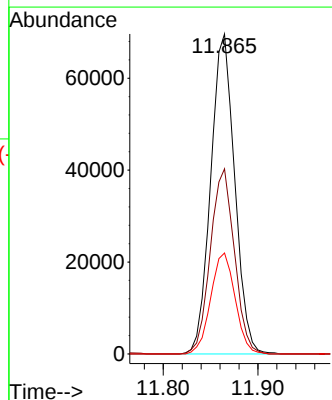
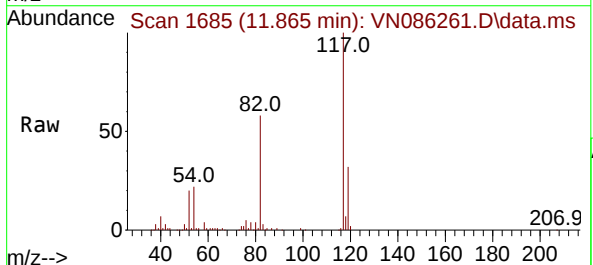
Manual Integrations
APPROVED

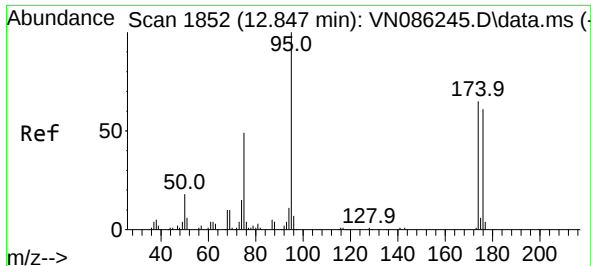
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086261.D
Acq: 14 Apr 2025 12:02

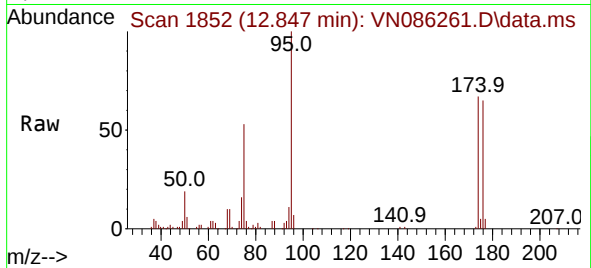
Tgt Ion:117 Resp: 122339
Ion Ratio Lower Upper
117 100
82 58.2 47.3 70.9
119 32.1 25.9 38.9





#60
4-Bromofluorobenzene
Concen: 28.483 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086261.D
Acq: 14 Apr 2025 12:02

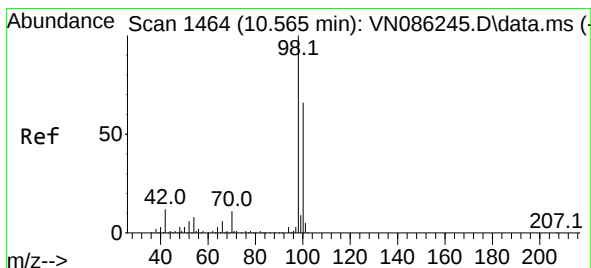
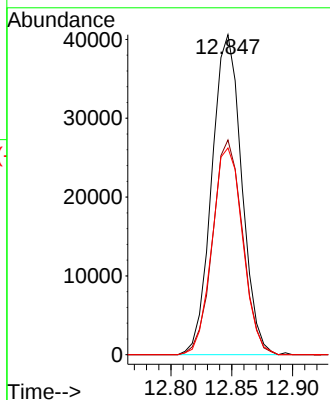
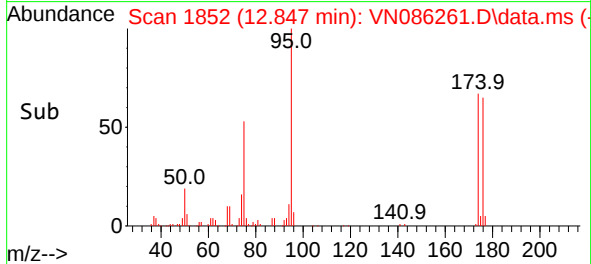
Instrument :
MSVOA_N
ClientSampleId :
PB167573ZHE#01



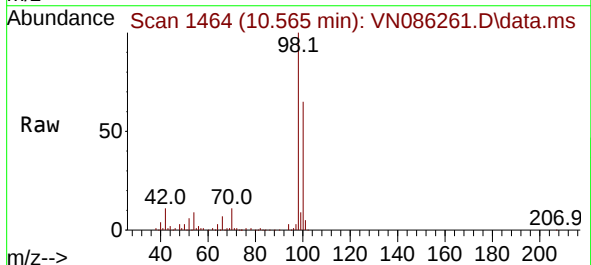
Tgt Ion: 95 Resp: 69370
Ion Ratio Lower Upper
95 100
174 67.1 52.7 79.1
176 66.1 49.8 74.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#63
Toluene-d8
Concen: 30.215 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086261.D
Acq: 14 Apr 2025 12:02



Tgt Ion: 98 Resp: 208690
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

