

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086447.D
 Acq On : 30 Apr 2025 19:31
 Operator : JC\MD
 Sample : PB167775ZHE#17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#17

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 01 01:37:13 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	8.224	168	178054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	329081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125466	48.594	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.180%		
35) Dibromofluoromethane	8.165	113	82311	52.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.300%		
50) Toluene-d8	10.565	98	434966	52.061	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.120%		
62) 4-Bromofluorobenzene	12.847	95	153894	50.501	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.000%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	7768	16.489	ug/l #	80
16) Acetone	4.430	43	36090	35.533	ug/l	97
20) Methylene Chloride	5.283	84	10775	4.514	ug/l	88
25) 2-Butanone	7.483	43	35894	22.334	ug/l	94
43) Isopropyl Acetate	8.688	43	43328m	5.579	ug/l	

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

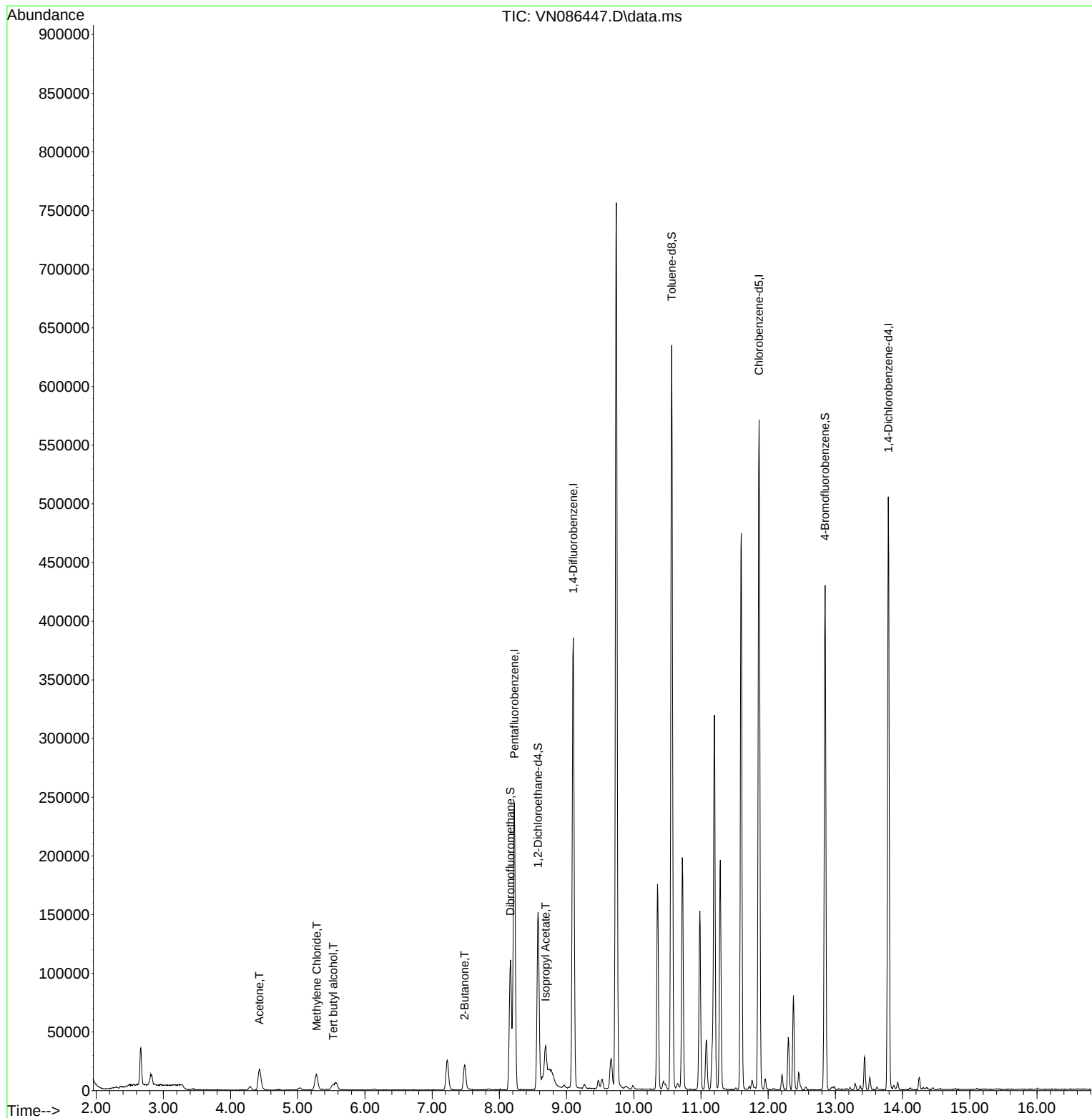
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
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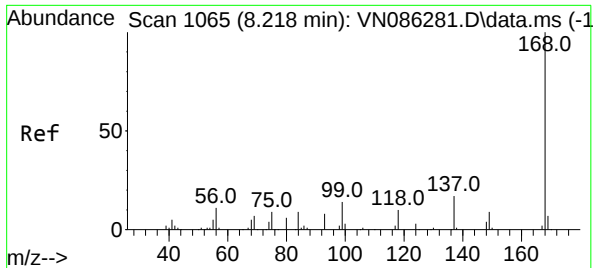
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#17

Quant Time: May 01 01:37:13 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

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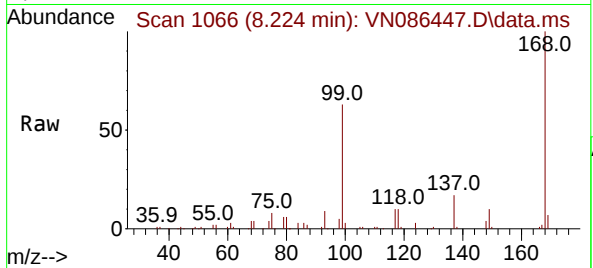
Reviewed By :John Carlone 05/02/2025
Supervised By :Semsettin Yesilyurt 05/05/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31

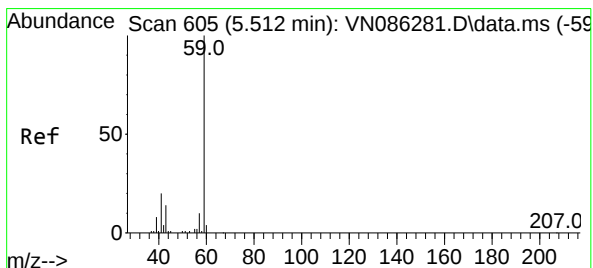
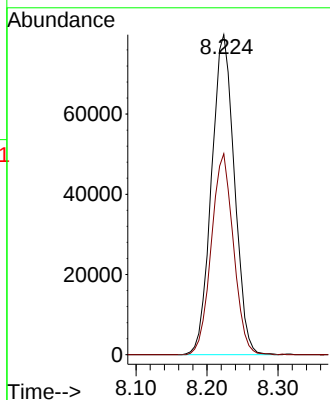
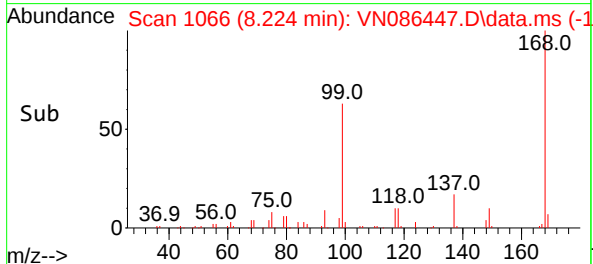
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#17



Tgt Ion:168 Resp: 178054
Ion Ratio Lower Upper
168 100
99 62.8 52.5 78.7

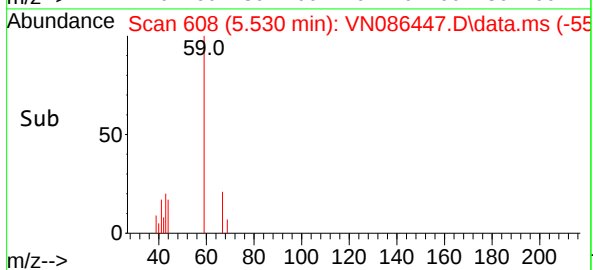
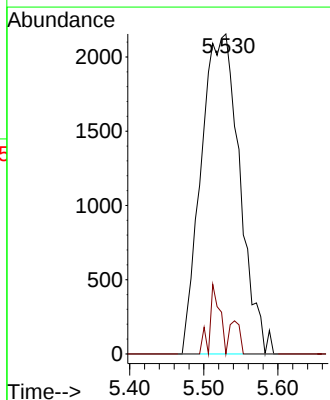
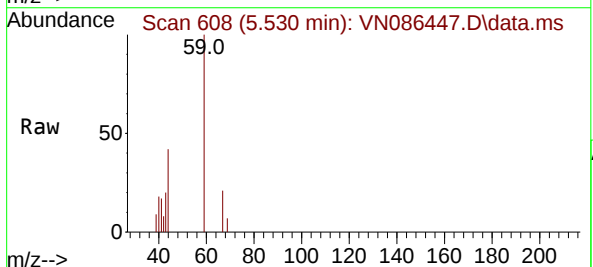
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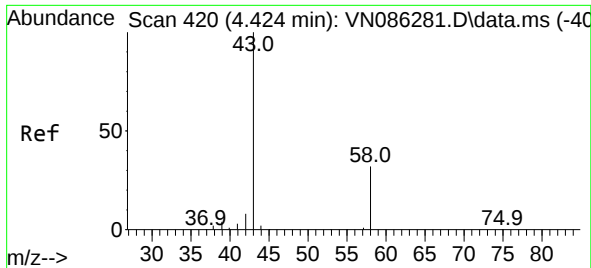
Reviewed By :John Carlone 05/02/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#11
Tert butyl alcohol
Concen: 16.489 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.018 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31

Tgt Ion: 59 Resp: 7768
Ion Ratio Lower Upper
59 100
57 2.8 8.3 12.5#





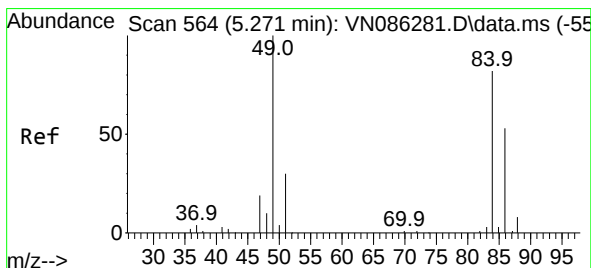
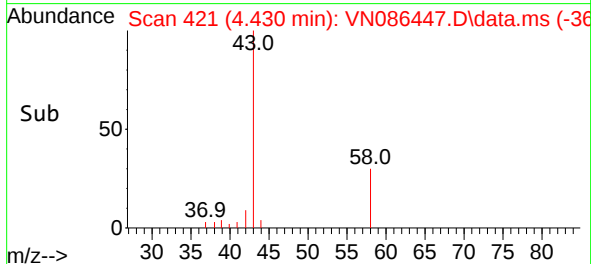
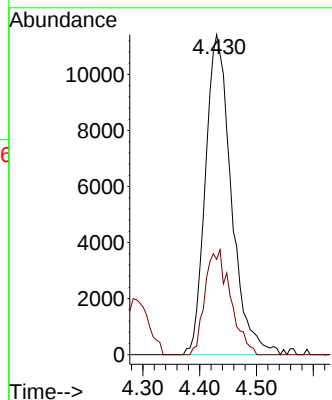
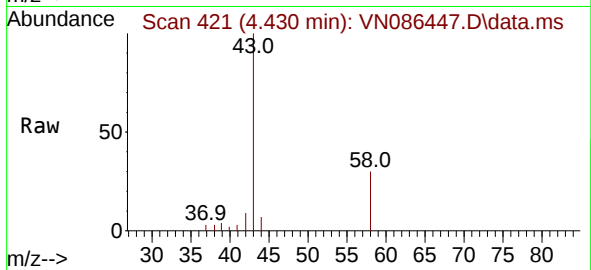
#16
Acetone
Concen: 35.533 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#17

Tgt Ion: 43 Resp: 36090
Ion Ratio Lower Upper
43 100
58 29.8 25.3 37.9

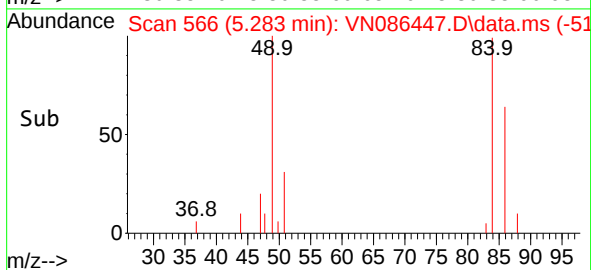
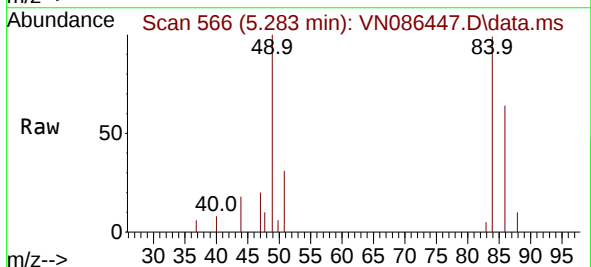
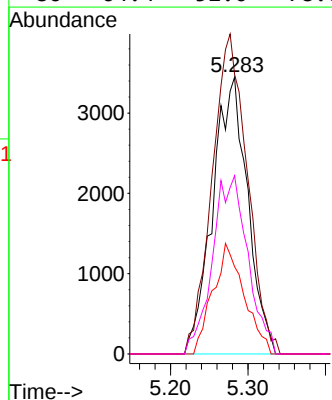
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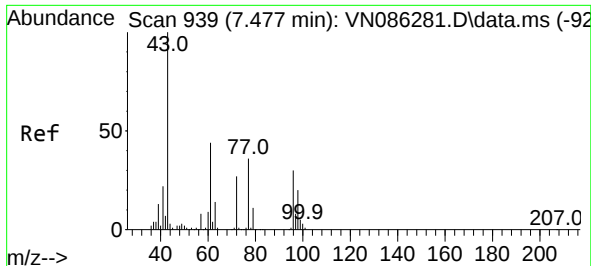
Reviewed By :John Carlone 05/02/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#20
Methylene Chloride
Concen: 4.514 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31

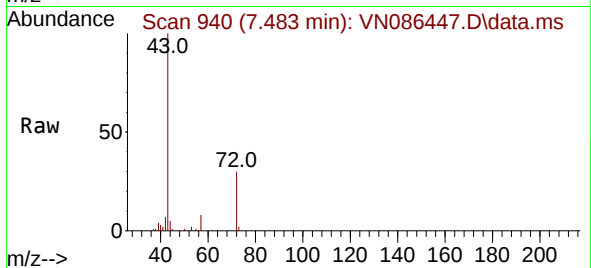
Tgt Ion: 84 Resp: 10775
Ion Ratio Lower Upper
84 100
49 101.0 98.2 147.2
51 31.5 29.8 44.6
86 64.4 52.0 78.0





#25
2-Butanone
Concen: 22.334 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31

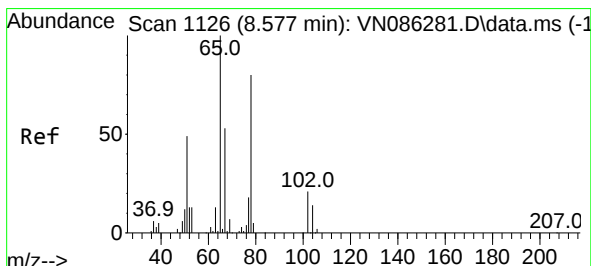
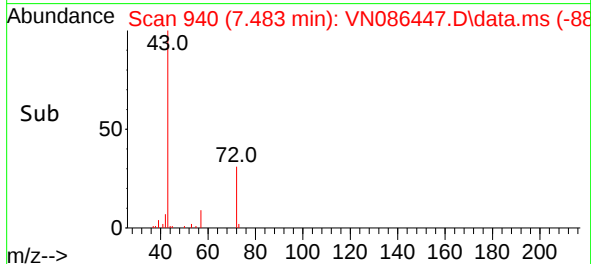
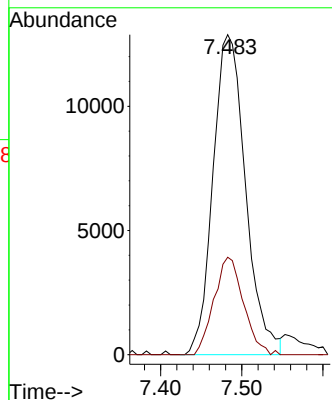
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#17



Tgt Ion: 43 Resp: 35894
Ion Ratio Lower Upper
43 100
72 30.4 21.7 32.5

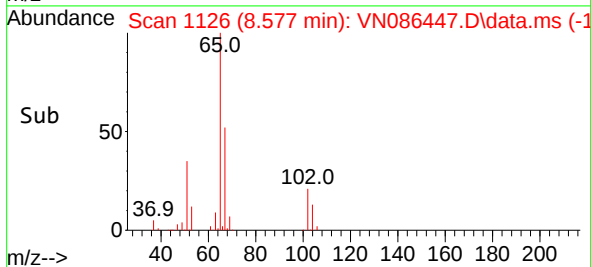
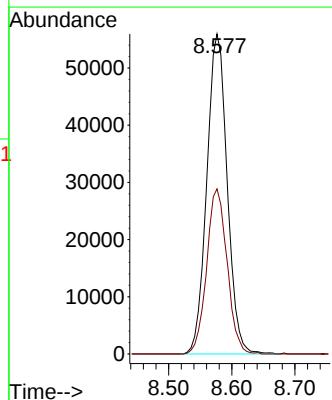
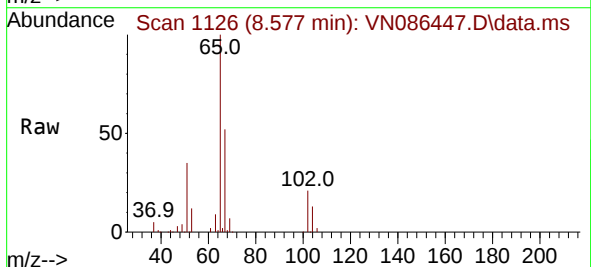
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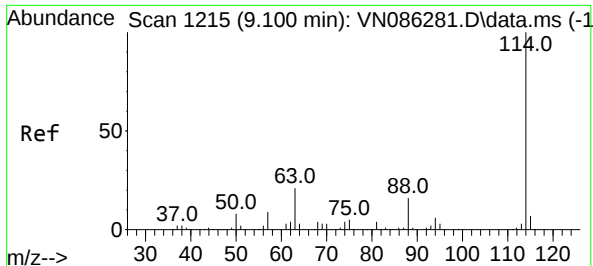
Reviewed By :John Carlone 05/02/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#33
1,2-Dichloroethane-d4
Concen: 48.594 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31

Tgt Ion: 65 Resp: 125466
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086447.D

Acq: 30 Apr 2025 19:31

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#17

Tgt Ion:114 Resp: 336829

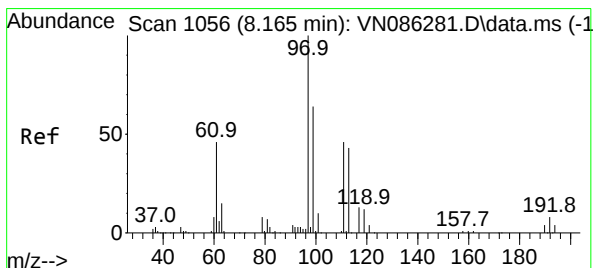
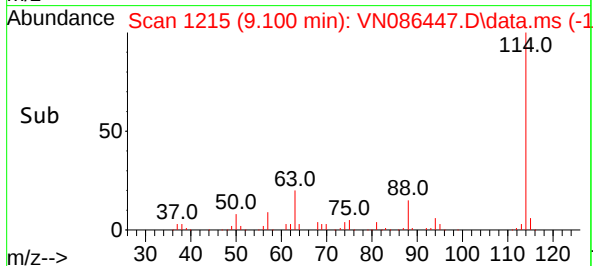
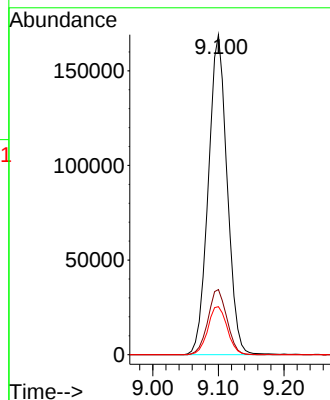
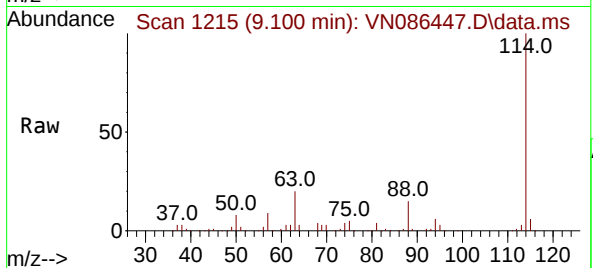
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.6
88	15.0	0.0	31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/02/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#35

Dibromofluoromethane

Concen: 52.653 ug/l

RT: 8.165 min Scan# 1056

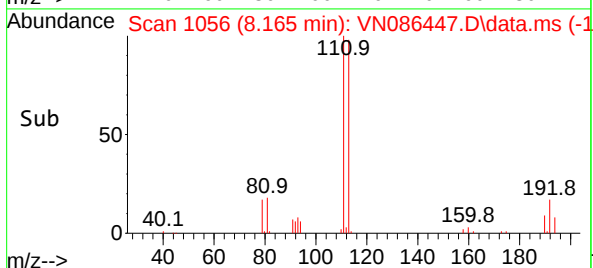
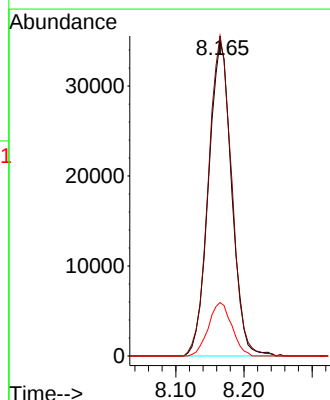
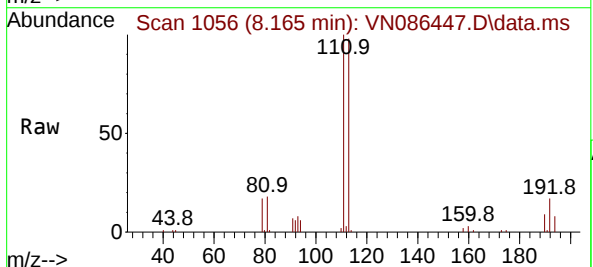
Delta R.T. -0.000 min

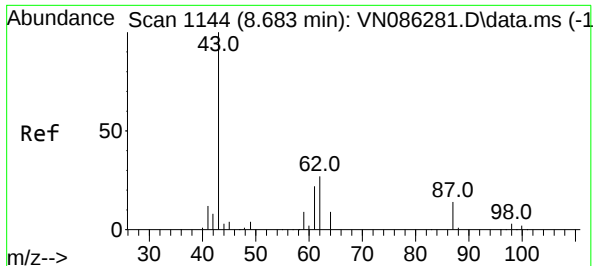
Lab File: VN086447.D

Acq: 30 Apr 2025 19:31

Tgt Ion:113 Resp: 82311

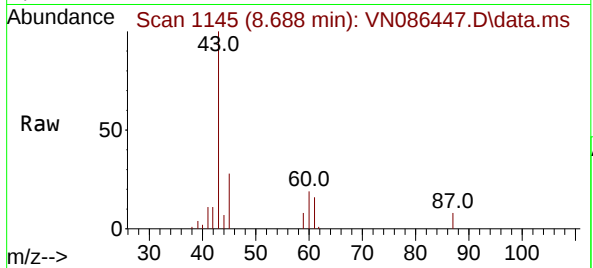
Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.4	125.0
192	17.2	13.7	20.5





#43
Isopropyl Acetate
Concen: 5.579 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31

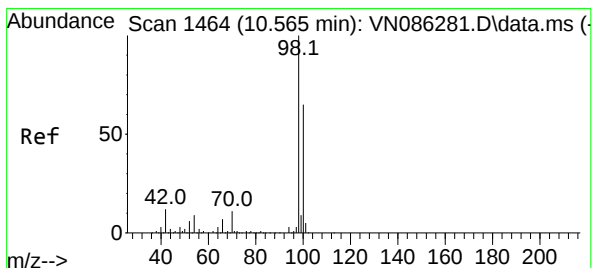
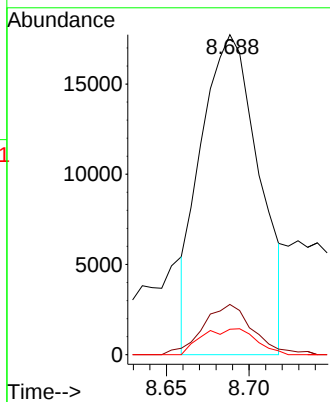
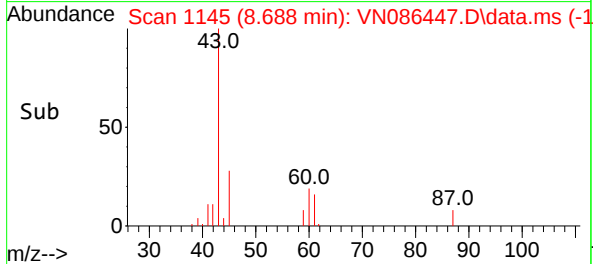
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#17



Tgt Ion: 43 Resp: 43328
Ion Ratio Lower Upper
43 100
61 13.5 20.5 30.7
87 7.6 10.5 15.7

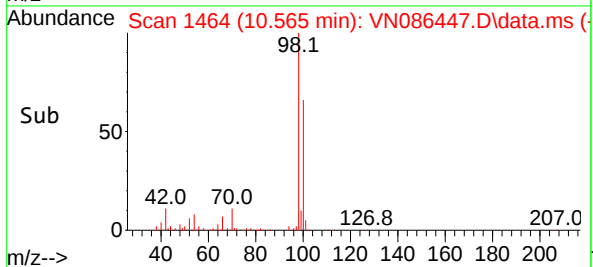
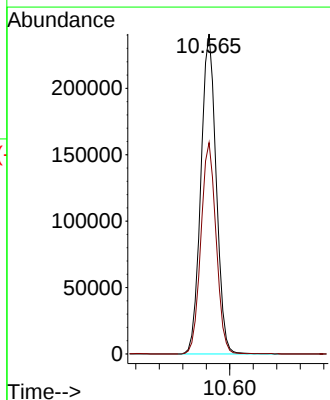
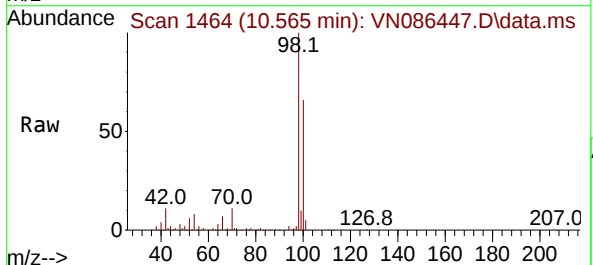
Manual Integrations
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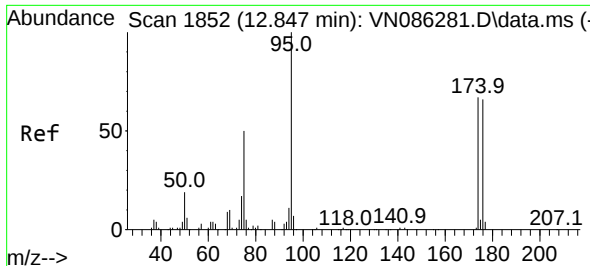
Reviewed By :John Carlone 05/02/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#50
Toluene-d8
Concen: 52.061 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31

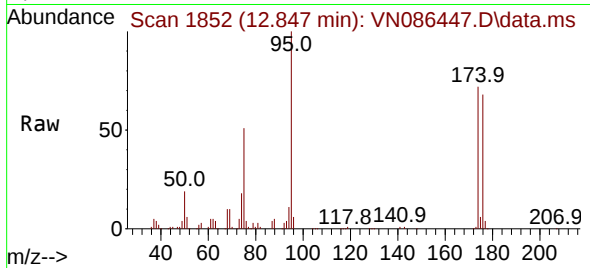
Tgt Ion: 98 Resp: 434966
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7





#62
4-Bromofluorobenzene
Concen: 50.501 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31

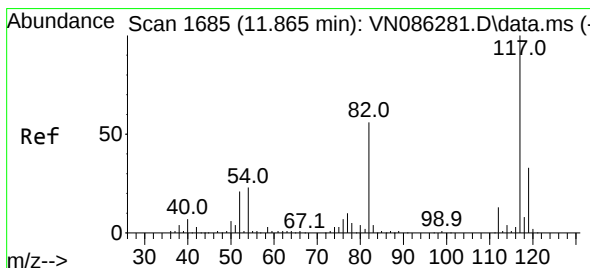
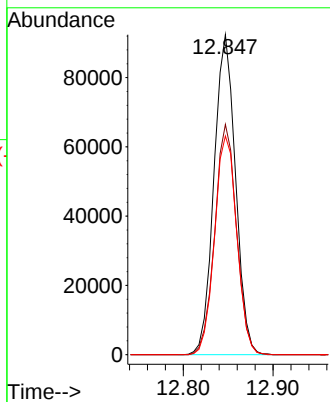
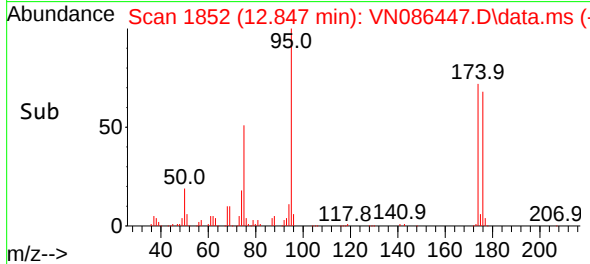
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ClientSampleId :
PB167775ZHE#17



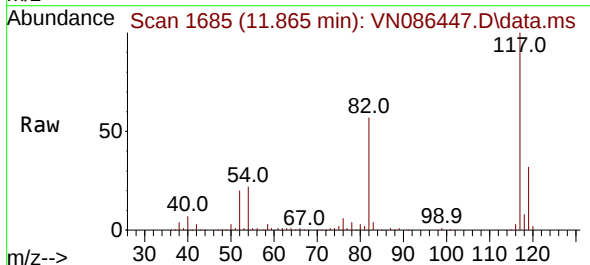
Tgt Ion: 95 Resp: 153894
Ion Ratio Lower Upper
95 100
174 72.7 0.0 133.4
176 70.3 0.0 129.2

Manual Integrations
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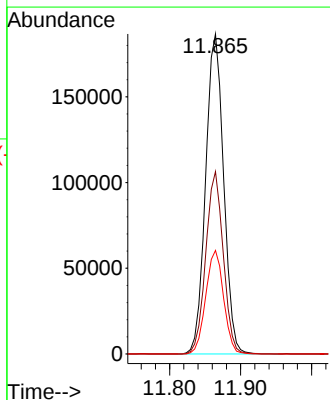
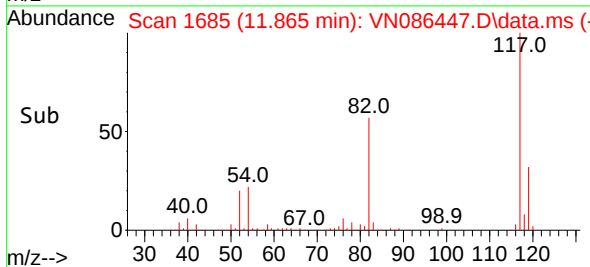
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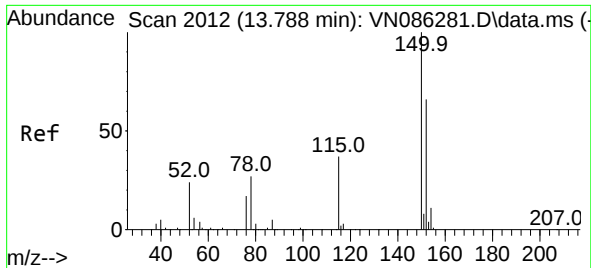


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31



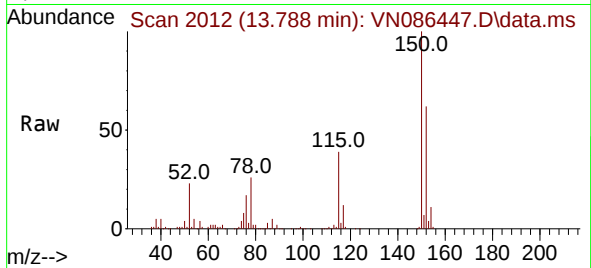
Tgt Ion:117 Resp: 329081
Ion Ratio Lower Upper
117 100
82 57.0 44.7 67.1
119 32.4 26.4 39.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086447.D
Acq: 30 Apr 2025 19:31

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#17



Tgt Ion:152 Resp: 13450
Ion Ratio Lower Upper
152 100
115 61.4 31.9 95.9
150 158.3 0.0 352.0

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