

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010925\
 Data File : VN085409.D
 Acq On : 09 Jan 2025 15:15
 Operator : JC\MD
 Sample : Q1038-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 250108071-01-VOA

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 00:21:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	180603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	323361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	281455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	137659	53.441	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.880%			
35) Dibromofluoromethane	8.159	113	107472	53.275	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.560%			
50) Toluene-d8	10.565	98	385402	52.063	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.120%			
62) 4-Bromofluorobenzene	12.847	95	120764	49.122	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.240%			
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.953	74	10141	8.025	ug/l	98
11) Tert butyl alcohol	5.512	59	57744	179.019	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	2357	0.361	ug/l #	80
20) Methylene Chloride	5.283	84	1011m	0.444	ug/l	
29) Tetrahydrofuran	7.836	42	90386	106.781	ug/l	96
40) Benzene	8.600	78	3893	0.436	ug/l	95
49) 1,4-Dioxane	9.694	88	4283	135.334	ug/l #	94
65) Chlorobenzene	11.888	112	24292	3.994	ug/l	98
68) m/p-Xylenes	12.071	106	1019	0.275	ug/l #	70
69) o-Xylene	12.394	106	1215	0.339	ug/l	83
88) 1,4-Dichlorobenzene	13.806	146	18257	4.759	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	1264	0.355	ug/l	77
95) Naphthalene	15.635	128	5788	0.961	ug/l #	91

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

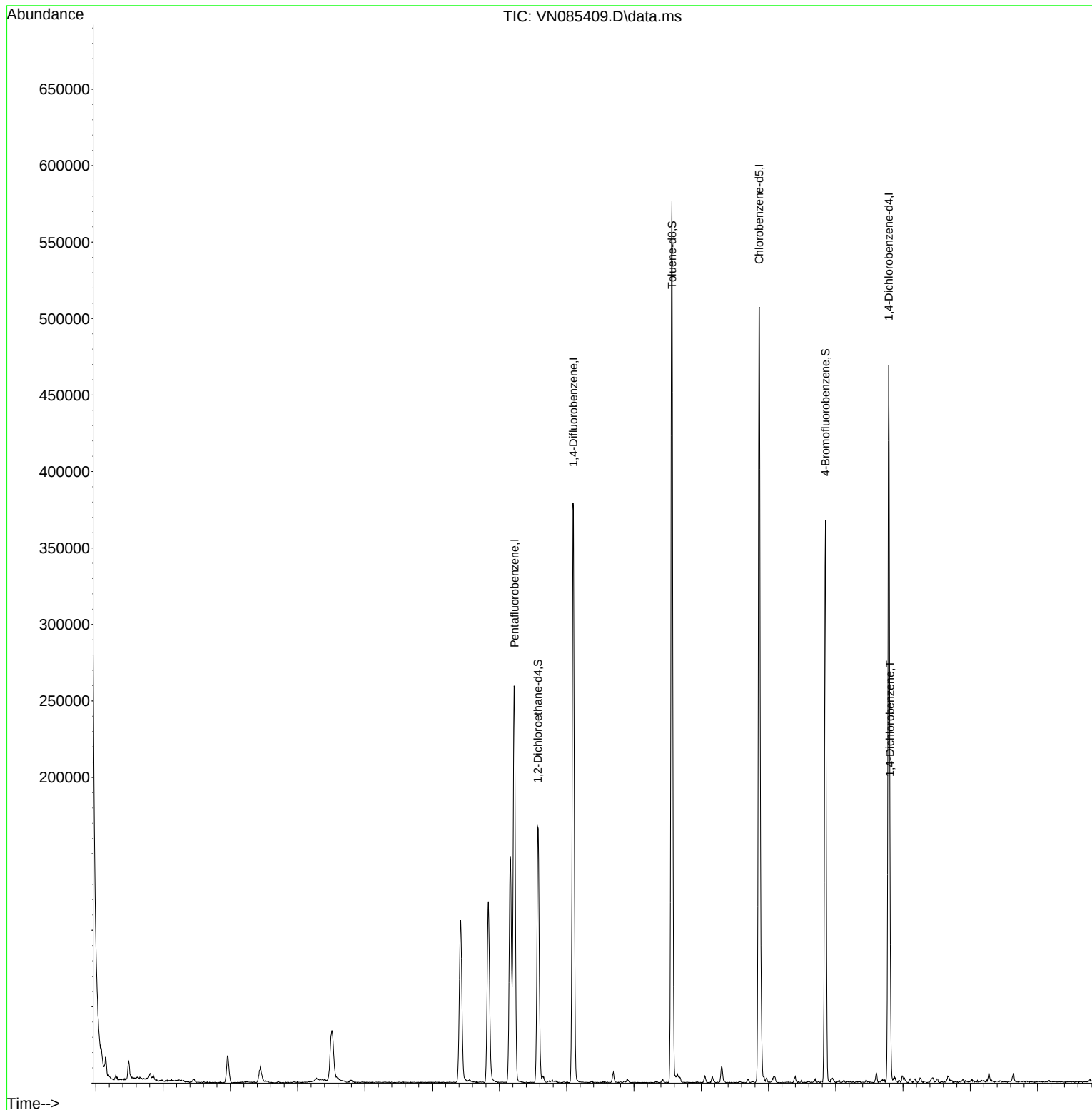
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010925\
Data File : VN085409.D
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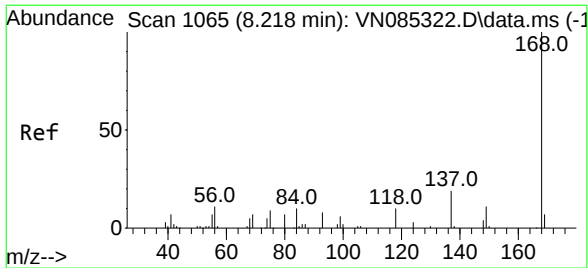
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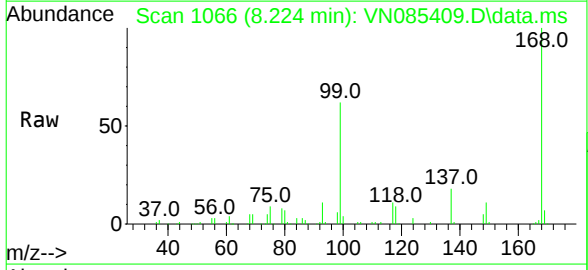
Quant Time: Jan 10 00:21:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

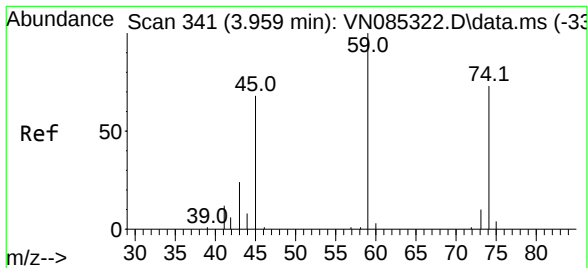
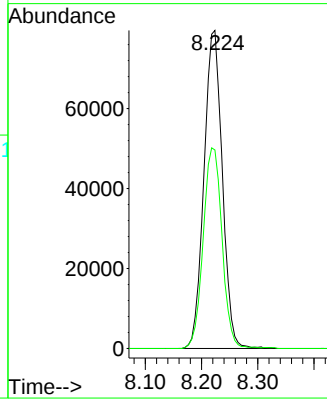
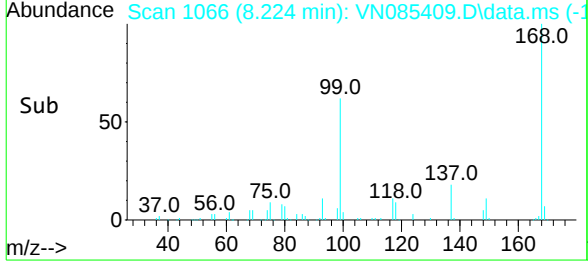
Instrument :
MSVOA_N
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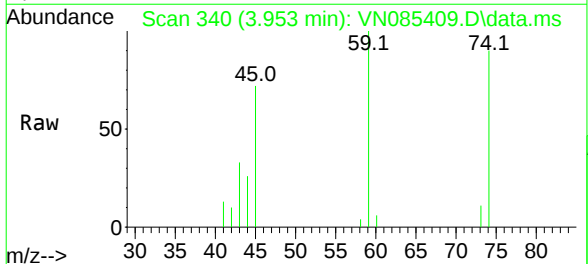
Tgt Ion:168 Resp: 180603
Ion Ratio Lower Upper
168 100
99 62.4 51.0 76.4

Manual Integrations
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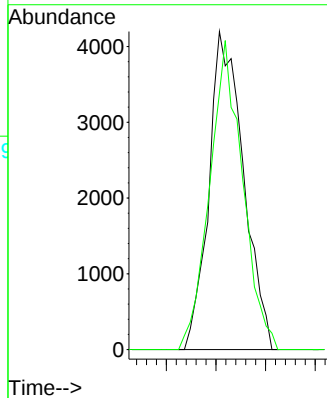
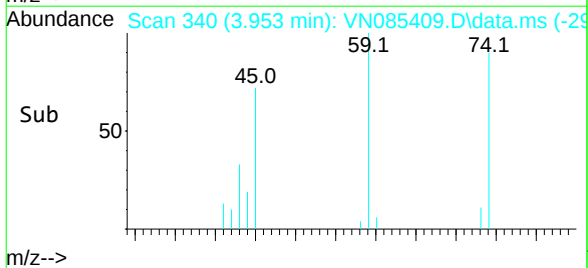
Reviewed By :Mahesh Dadoda 01/10/2025
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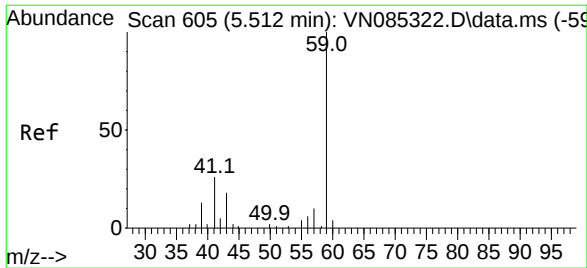


#8
Diethyl Ether
Concen: 8.025 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15



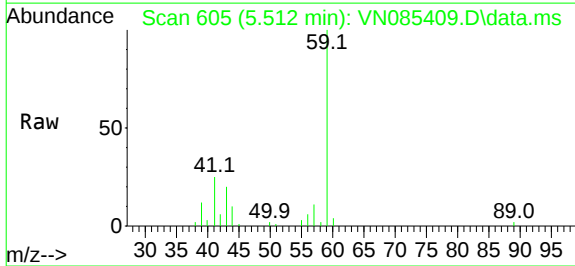
Tgt Ion: 74 Resp: 10141
Ion Ratio Lower Upper
74 100
45 92.7 47.5 142.6





#11
Tert butyl alcohol
Concen: 179.019 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

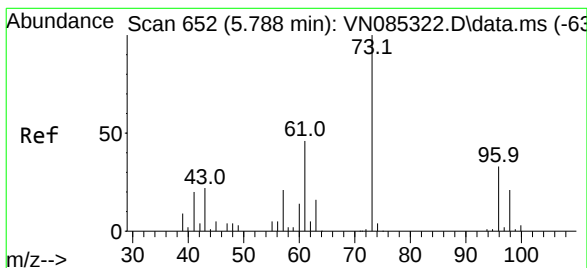
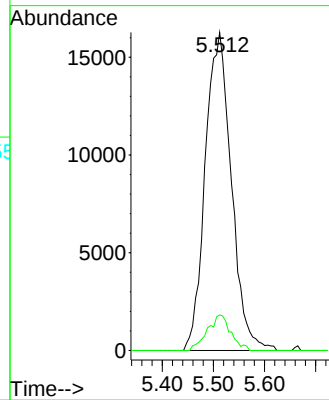
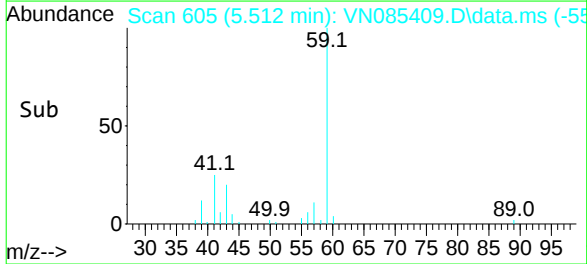
Instrument :
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Tgt Ion: 59 Resp: 57744
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1

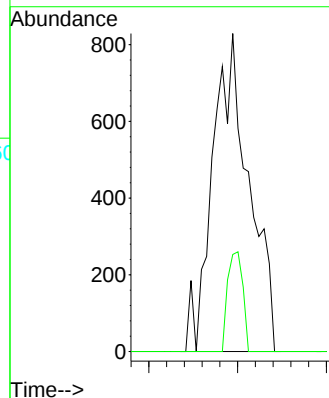
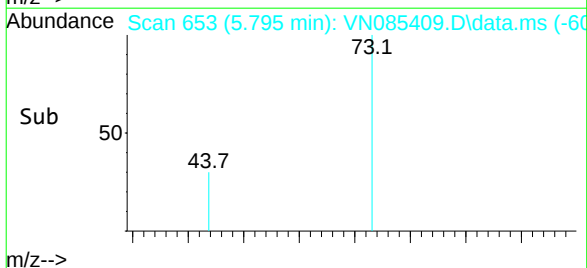
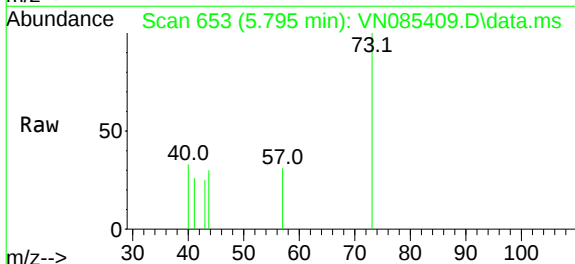
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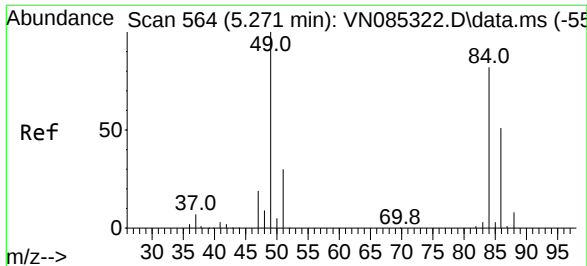
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#19
Methyl tert-butyl Ether
Concen: 0.361 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

Tgt Ion: 73 Resp: 2357
Ion Ratio Lower Upper
73 100
57 30.5 17.0 25.6#





#20

Methylene Chloride

Concen: 0.444 ug/l m

RT: 5.283 min Scan# 56

Delta R.T. 0.012 min

Lab File: VN085409.D

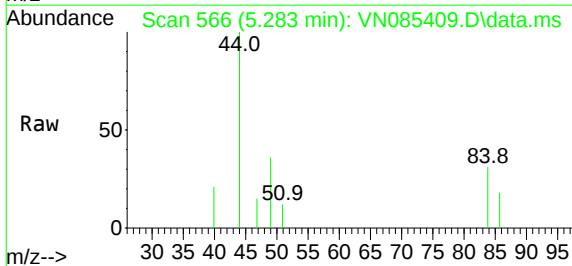
Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_N

ClientSampleId :

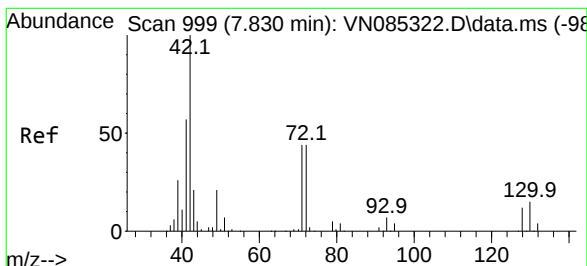
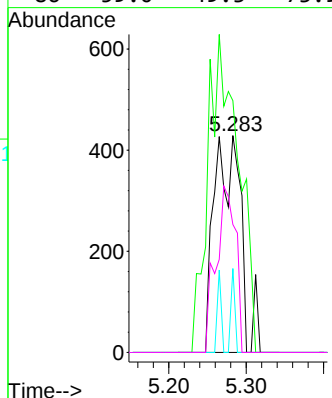
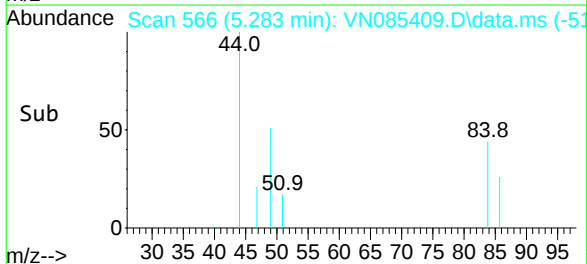
250108071-01-VOA



Tgt	Ion	Ratio	Lower	Upper
84	100			
49	116.1	97.6	146.4	
51	38.7	29.1	43.7	
86	59.0	49.3	73.9	

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#29

Tetrahydrofuran

Concen: 106.781 ug/l

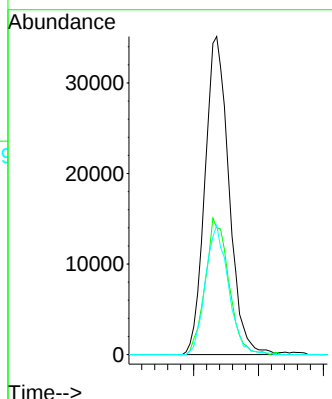
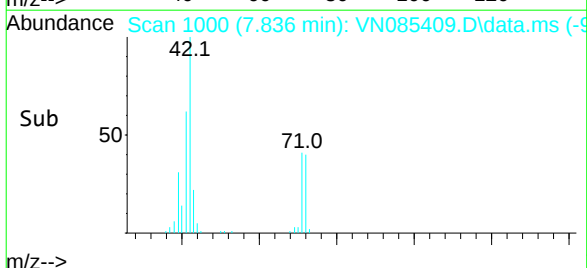
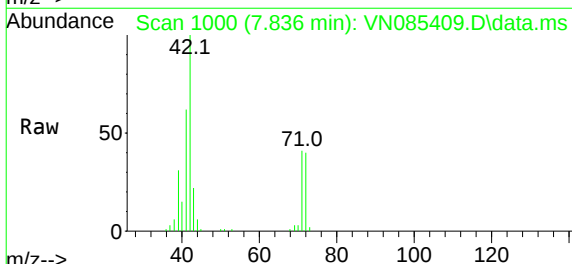
RT: 7.836 min Scan# 1000

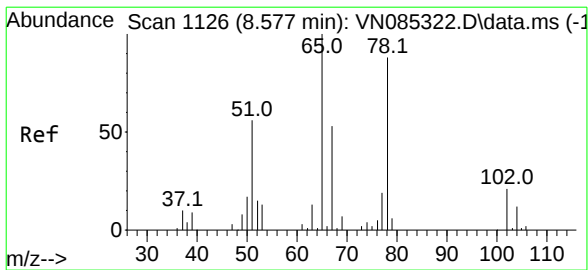
Delta R.T. 0.006 min

Lab File: VN085409.D

Acq: 09 Jan 2025 15:15

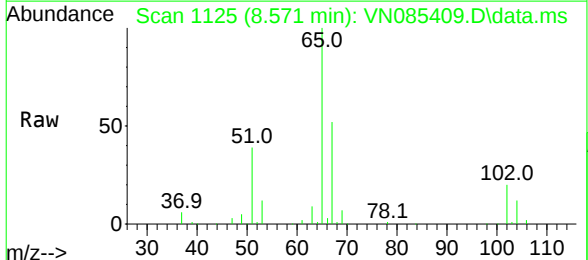
Tgt	Ion	Ratio	Lower	Upper
42	100			
72	41.9	35.1	52.7	
71	39.1	33.4	50.0	





1,2-Dichloroethane-d4
 Concen: 53.441 ug/l
 RT: 8.571 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN085409.D
 Acq: 09 Jan 2025 15:15

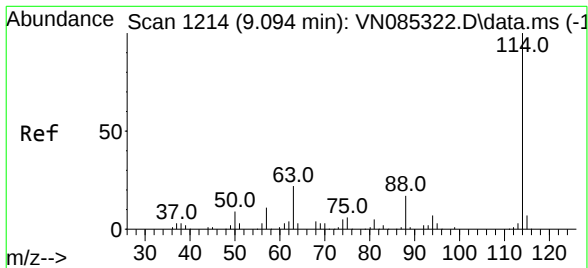
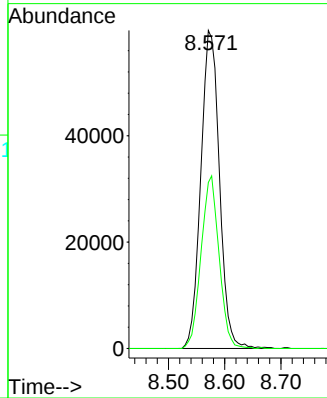
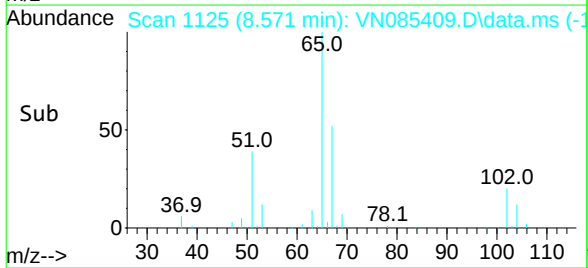
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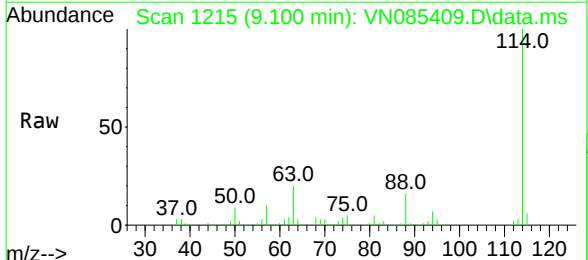
Tgt Ion: 65 Resp: 137659
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0

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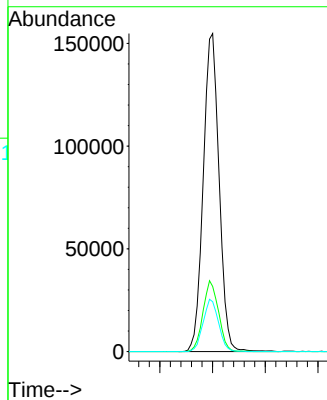
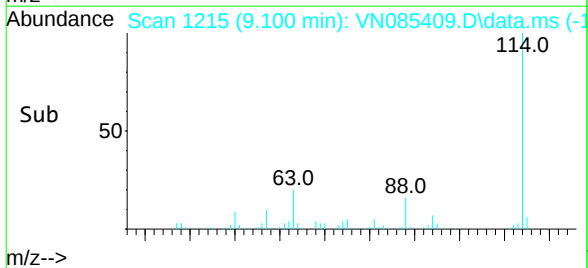
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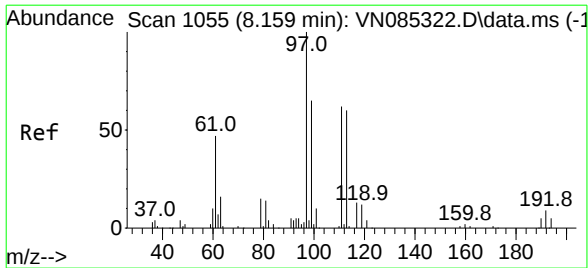


1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085409.D
 Acq: 09 Jan 2025 15:15



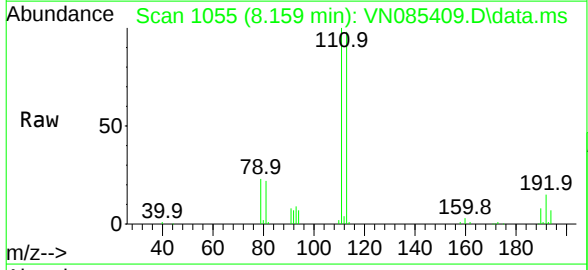
Tgt Ion:114 Resp: 323361
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.4
 88 15.7 0.0 33.6





#35
 Dibromofluoromethane
 Concen: 53.275 ug/l
 RT: 8.159 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VN085409.D
 Acq: 09 Jan 2025 15:15

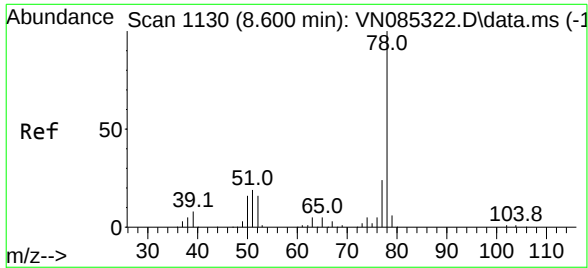
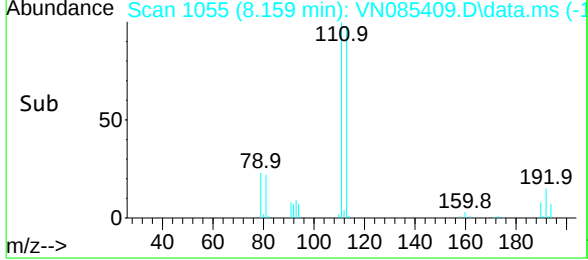
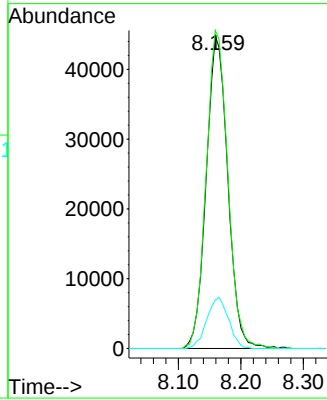
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Tgt Ion:	113	Resp:	107472
Ion Ratio	Lower	Upper	
113	100		
111	102.6	80.5	120.7
192	16.5	12.9	19.3

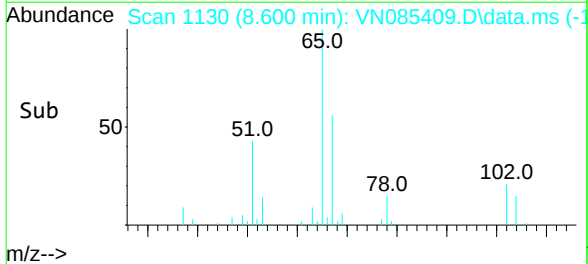
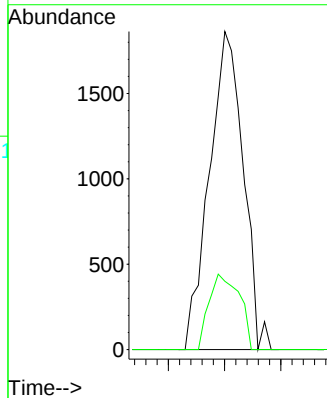
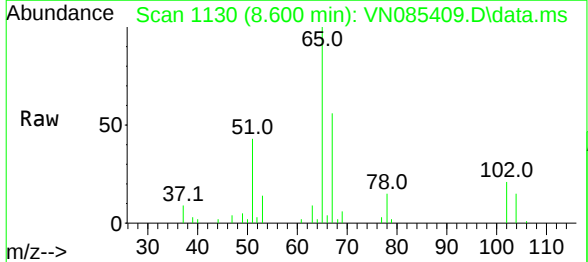
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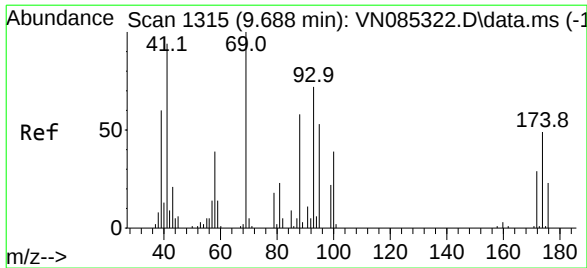
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#40
 Benzene
 Concen: 0.436 ug/l
 RT: 8.600 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VN085409.D
 Acq: 09 Jan 2025 15:15

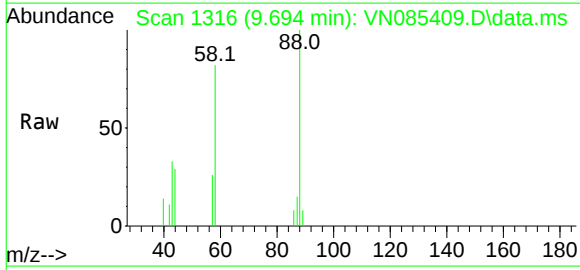
Tgt Ion:	78	Resp:	3893
Ion Ratio	Lower	Upper	
78	100		
77	21.5	19.0	28.4





#49
1,4-Dioxane
Concen: 135.334 ug/l
RT: 9.694 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

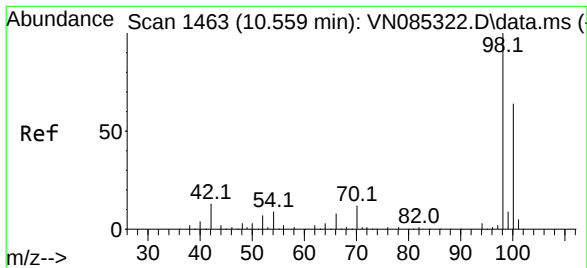
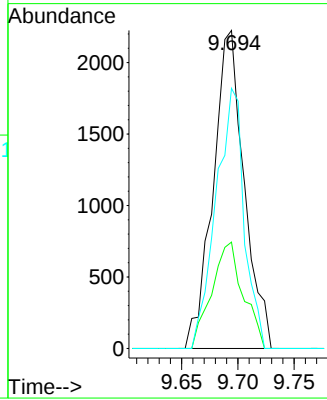
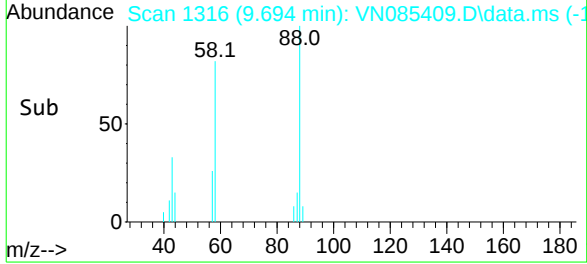
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Tgt Ion: 88 Resp: 4283
Ion Ratio Lower Upper
88 100
43 33.9 22.1 33.1#
58 74.1 56.7 85.1

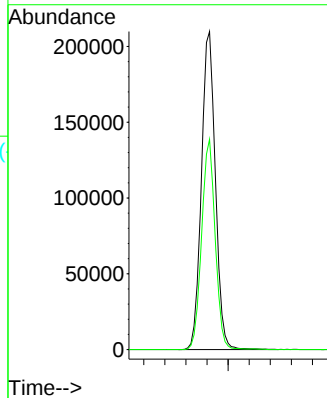
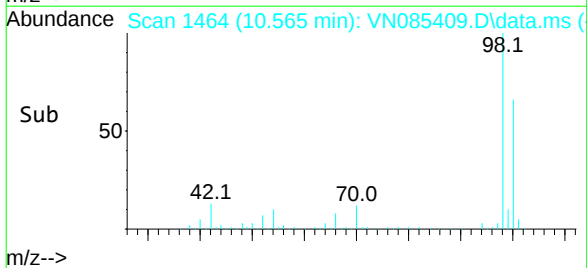
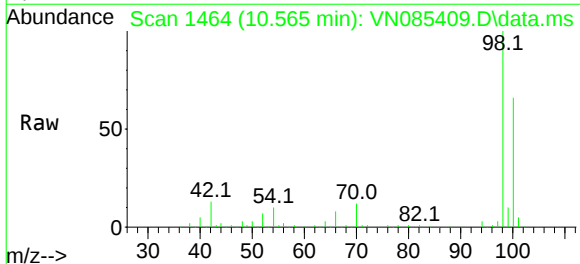
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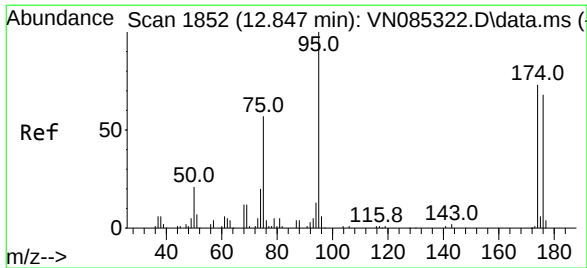
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#50
Toluene-d8
Concen: 52.063 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

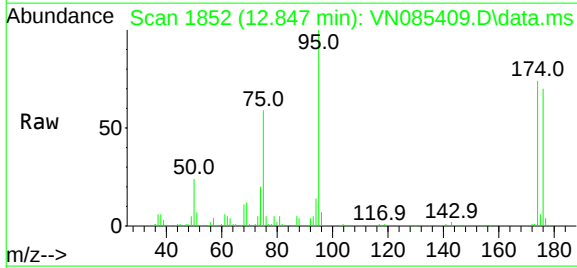
Tgt Ion: 98 Resp: 385402
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3





#62
4-Bromofluorobenzene
Concen: 49.122 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

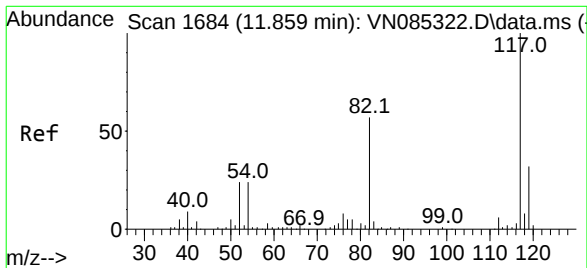
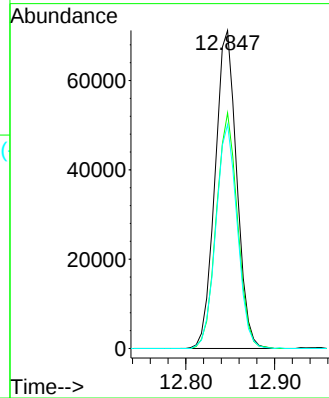
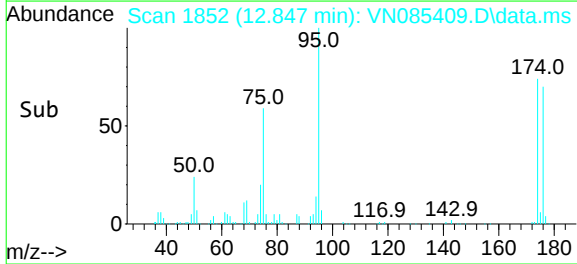
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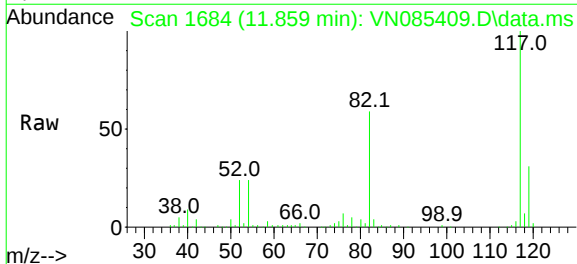
Tgt Ion: 95 Resp: 120764
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.2
176 69.4 0.0 135.8

Manual Integrations
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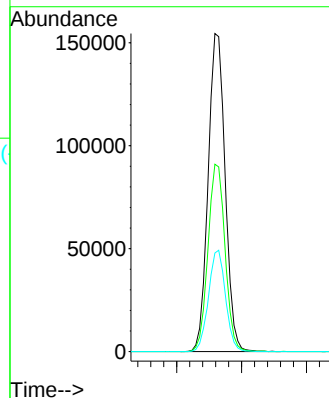
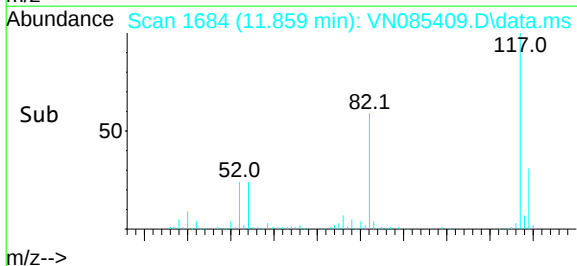
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

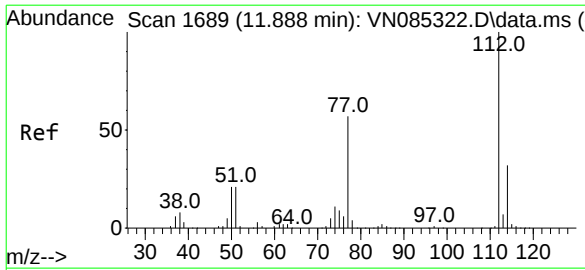


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15



Tgt Ion:117 Resp: 281455
Ion Ratio Lower Upper
117 100
82 58.9 45.7 68.5
119 31.0 25.8 38.8





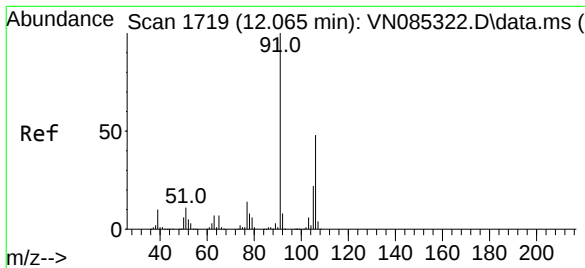
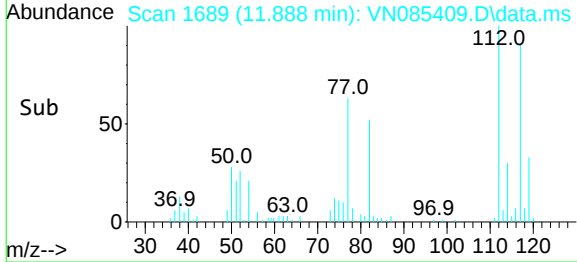
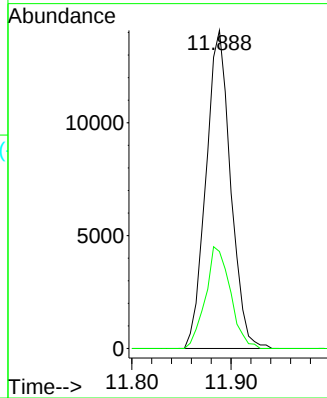
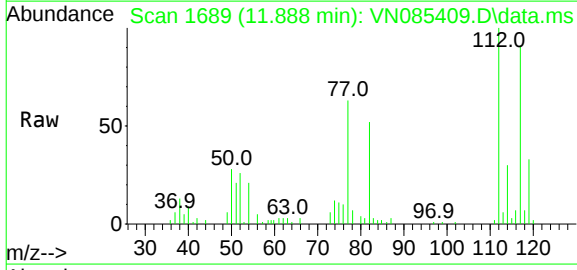
#65
Chlorobenzene
Concen: 3.994 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

Instrument :
MSVOA_N
ClientSampleId :
250108071-01-VOA

Tgt Ion:112 Resp: 24292
Ion Ratio Lower Upper
112 100
114 30.5 25.2 37.8

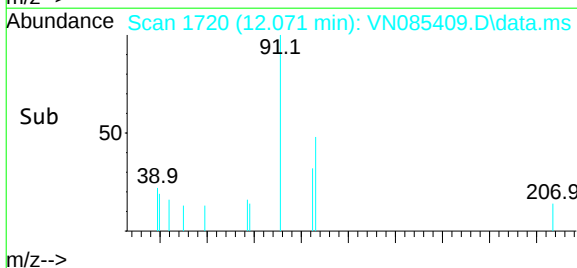
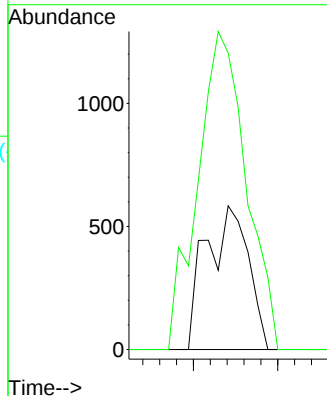
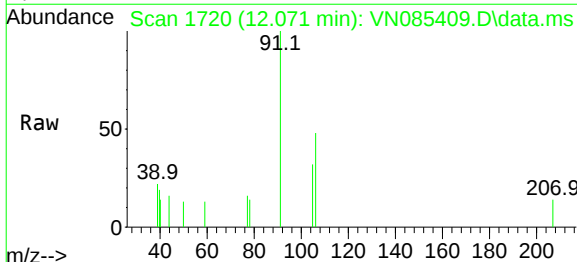
Manual Integrations
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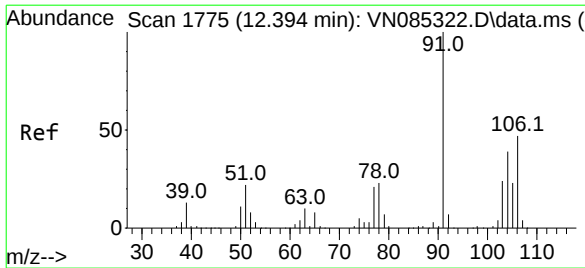
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#68
m/p-Xylenes
Concen: 0.275 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

Tgt Ion:106 Resp: 1019
Ion Ratio Lower Upper
106 100
91 253.2 165.2 247.8#





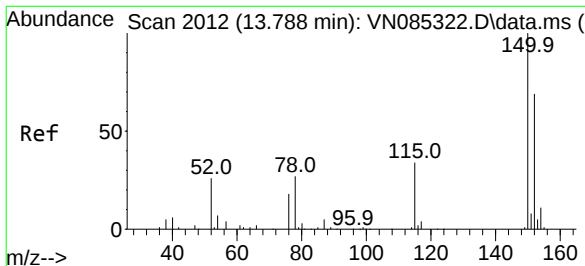
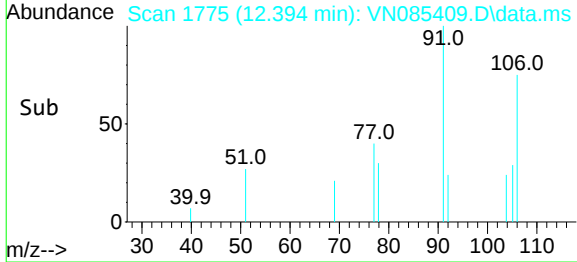
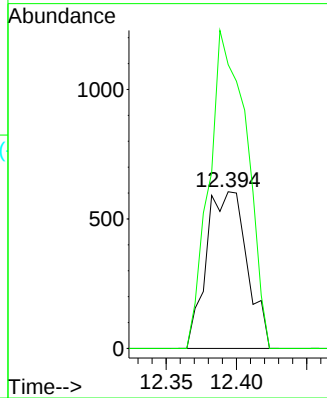
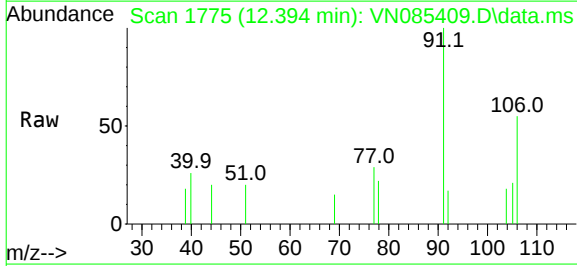
#69
o-Xylene
Concen: 0.339 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

Instrument :
MSVOA_N
ClientSampleId :
250108071-01-VOA

Tgt Ion:106 Resp: 1215
Ion Ratio Lower Upper
106 100
91 187.7 107.3 321.8

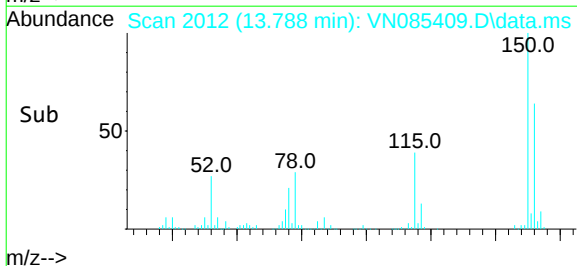
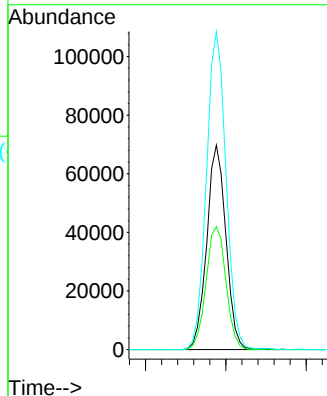
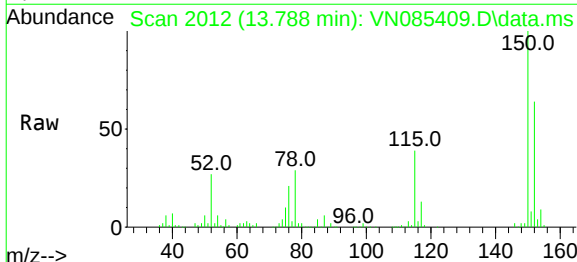
Manual Integrations
APPROVED

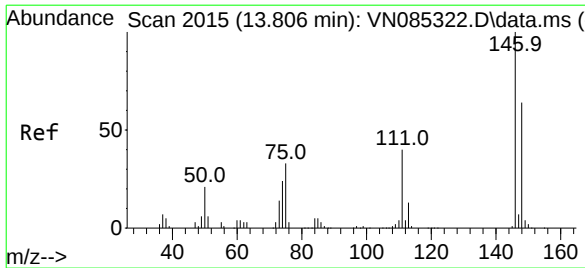
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

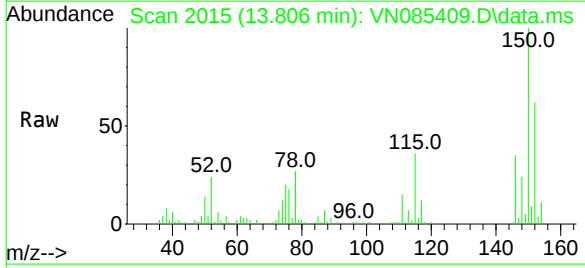
Tgt Ion:152 Resp: 115636
Ion Ratio Lower Upper
152 100
115 62.2 30.4 91.3
150 158.5 0.0 345.0





#88
1,4-Dichlorobenzene
Concen: 4.759 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

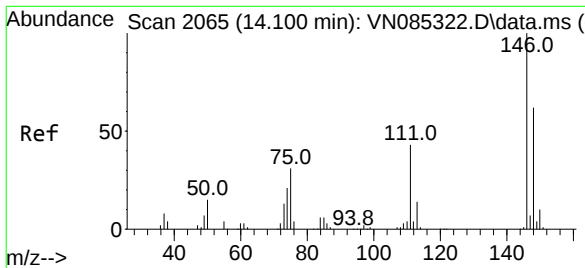
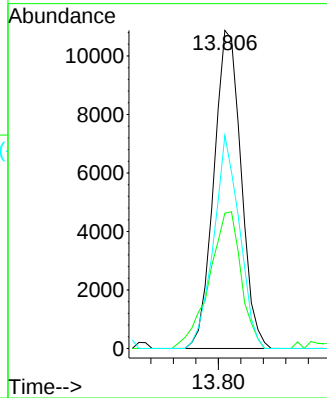
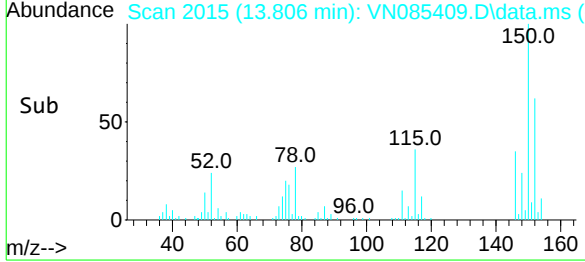
Instrument :
MSVOA_N
ClientSampleId :
250108071-01-VOA



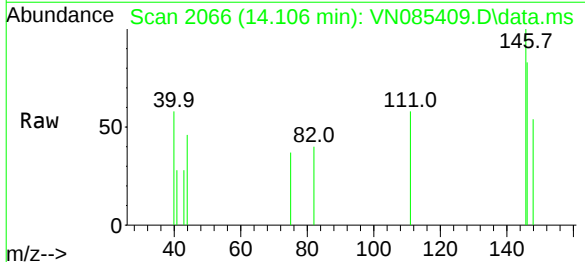
Tgt Ion:146 Resp: 18257
Ion Ratio Lower Upper
146 100
111 50.3 20.8 62.5
148 63.5 31.7 95.1

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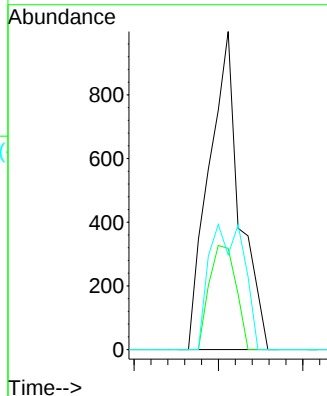
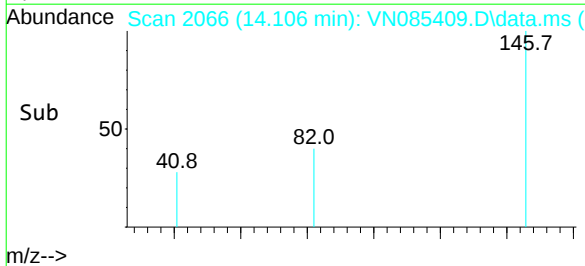
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

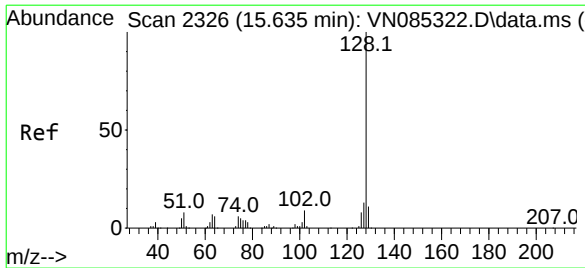


#91
1,2-Dichlorobenzene
Concen: 0.355 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15



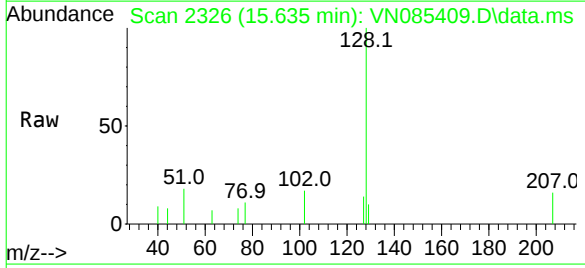
Tgt Ion:146 Resp: 1264
Ion Ratio Lower Upper
146 100
111 28.5 21.8 65.3
148 44.9 31.4 94.2





#95
Naphthalene
Concen: 0.961 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN085409.D
Acq: 09 Jan 2025 15:15

Instrument :
MSVOA_N
ClientSampleId :
250108071-01-VOA



Tgt Ion:128 Resp: 5788
Ion Ratio Lower Upper
128 100
127 9.4 10.6 16.0#
129 7.3 8.5 12.7#

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

