

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031425\
 Data File : VN085992.D
 Acq On : 14 Mar 2025 16:21
 Operator : JC\MD
 Sample : Q1575-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW3

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2025
 Supervised By : Mahesh Dadoda 03/18/2025

Quant Time: Mar 15 00:05:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	152434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	101383	51.301	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.600%	
35) Dibromofluoromethane	8.165	113	85842	47.809	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.620%	
50) Toluene-d8	10.565	98	328491	50.285	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	12.847	95	122032	56.697	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 113.400%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.600	83	21484m	8.606	ug/l	
68) m/p-Xylenes	12.065	106	1966	0.570	ug/l #	66
73) Isopropylbenzene	12.694	105	12296	1.580	ug/l	100
78) n-propylbenzene	13.035	91	31441	3.528	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	3014	0.481	ug/l	95
89) n-Butylbenzene	14.053	91	5683m	1.063	ug/l	

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

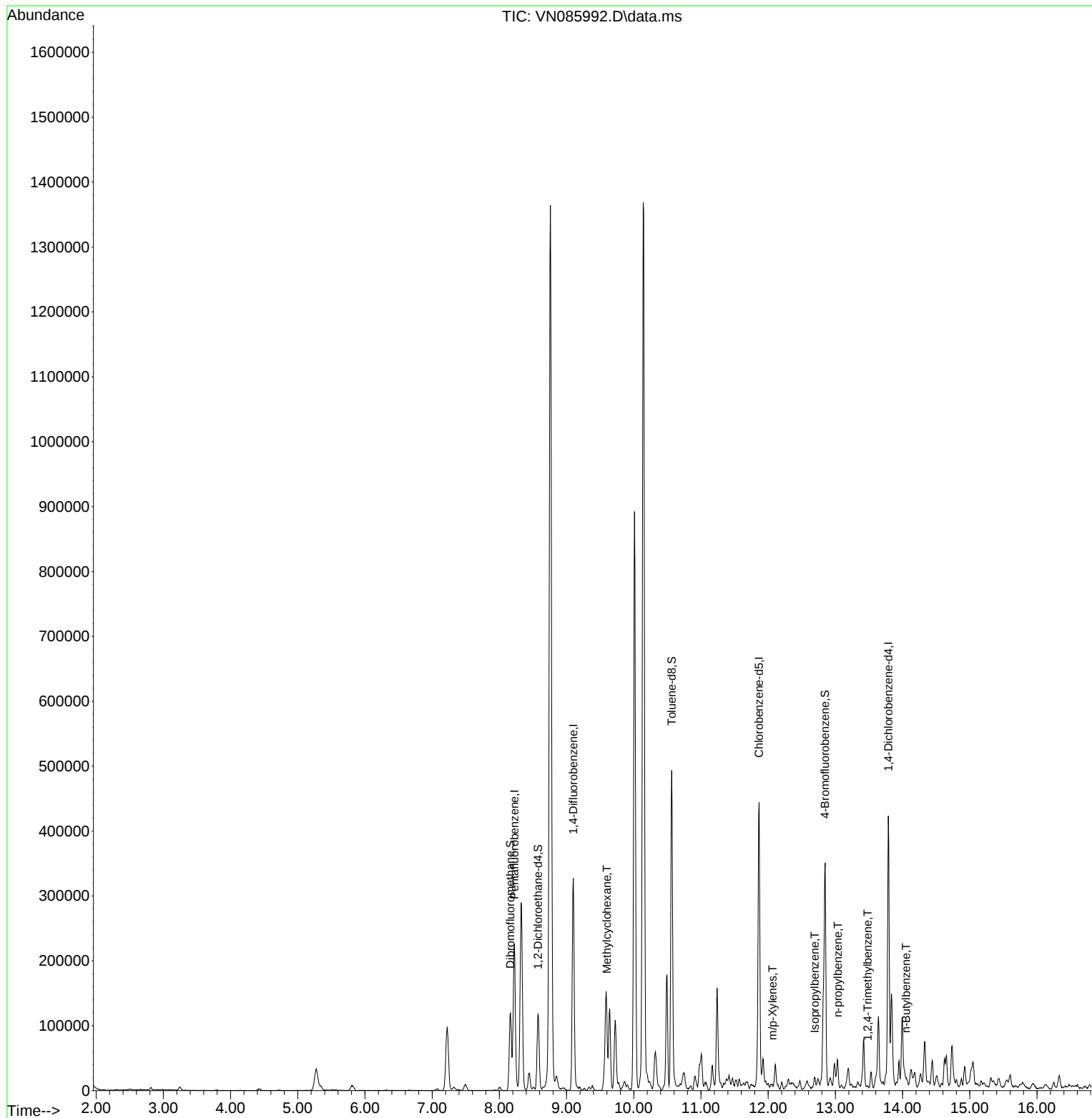
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031425\
Data File : VN085992.D
Acq On : 14 Mar 2025 16:21
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

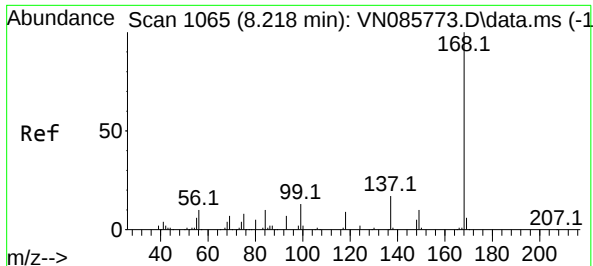
Instrument :
MSVOA_N
ClientSampleId :
MW3

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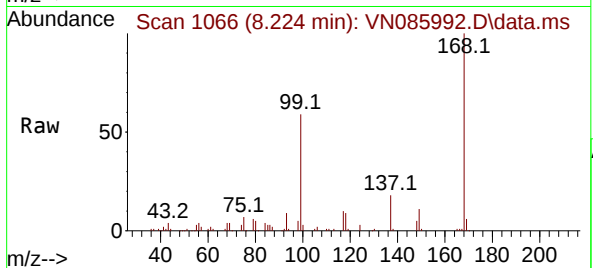
Quant Time: Mar 15 00:05:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085992.D
Acq: 14 Mar 2025 16:21

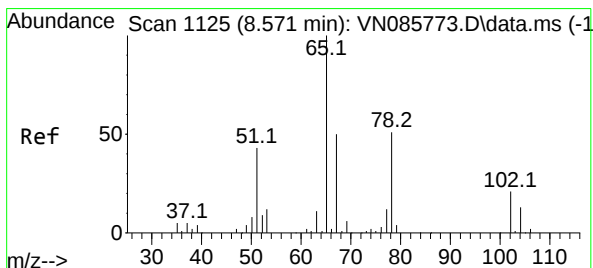
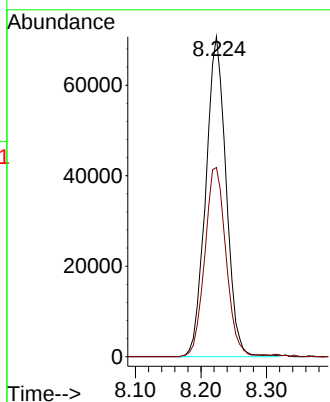
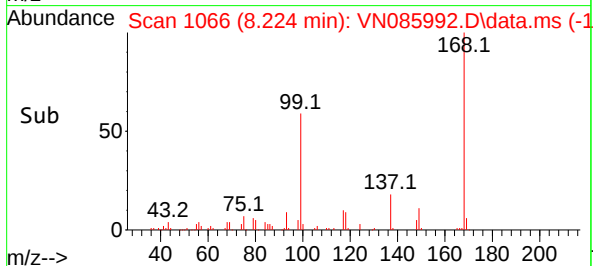
Instrument :
MSVOA_N
ClientSampleId :
MW3



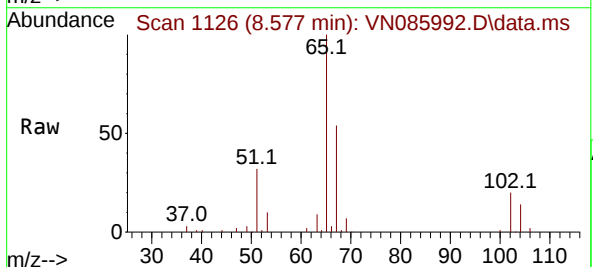
Tgt Ion:168 Resp: 152434
Ion Ratio Lower Upper
168 100
99 59.1 47.9 71.9

Manual Integrations
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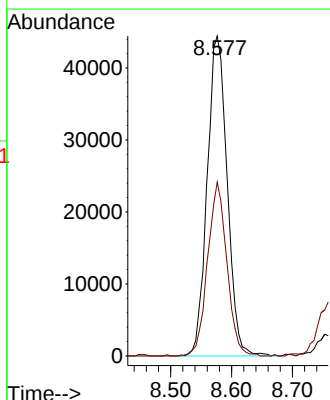
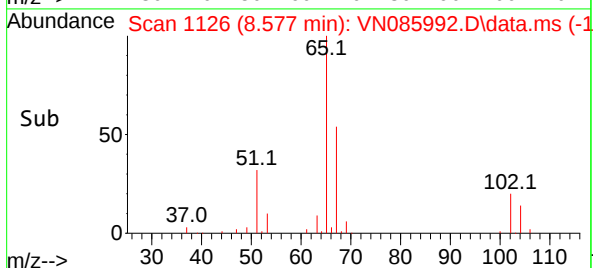
Reviewed By :John Carlone 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

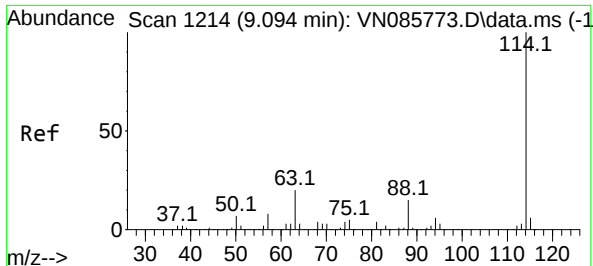


#33
1,2-Dichloroethane-d4
Concen: 51.301 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085992.D
Acq: 14 Mar 2025 16:21



Tgt Ion: 65 Resp: 101383
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085992.D

Acq: 14 Mar 2025 16:21

Instrument :

MSVOA_N

ClientSampleId :

MW3

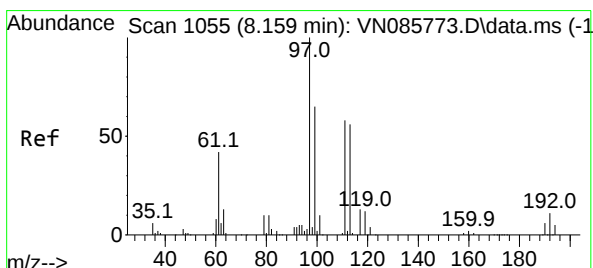
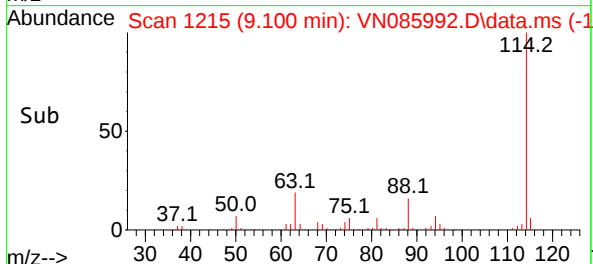
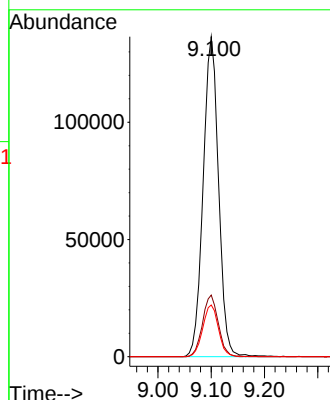
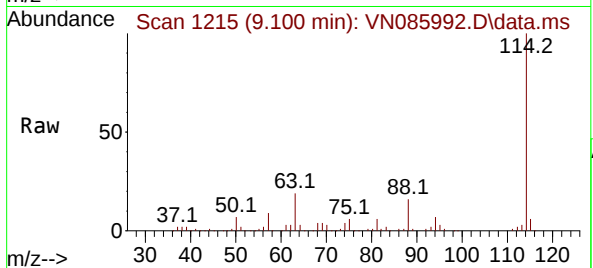
Tgt Ion:114	Resp:	274394
Ion Ratio	Lower	Upper
114	100	
63	19.3	0.0 39.2
88	16.2	0.0 30.0

Manual Integrations

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#35

Dibromofluoromethane

Concen: 47.809 ug/l

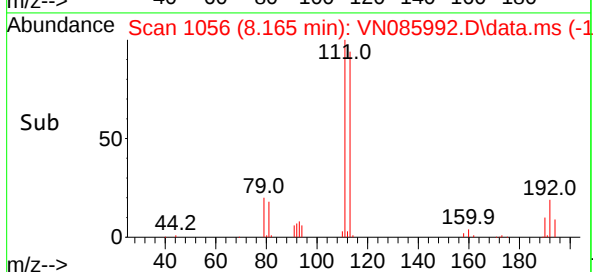
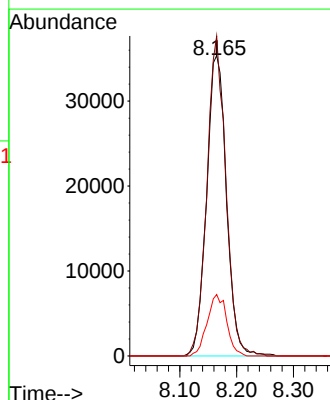
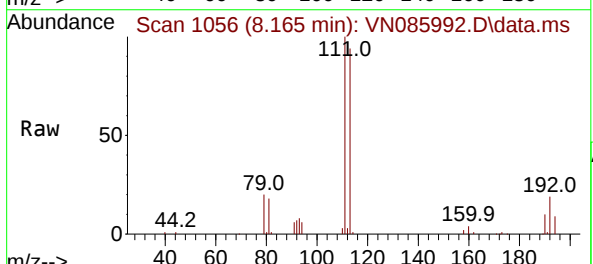
RT: 8.165 min Scan# 1056

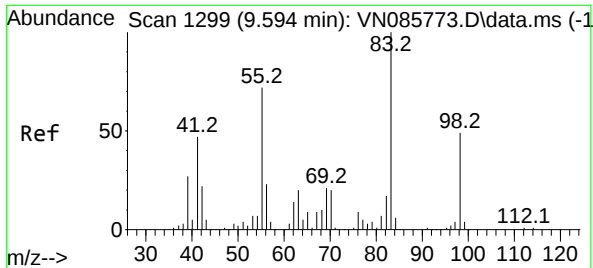
Delta R.T. 0.006 min

Lab File: VN085992.D

Acq: 14 Mar 2025 16:21

Tgt Ion:113	Resp:	85842
Ion Ratio	Lower	Upper
113	100	
111	101.5	82.2 123.4
192	20.1	14.7 22.1





#39

Methylcyclohexane

Concen: 8.606 ug/l m

RT: 9.600 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085992.D

Acq: 14 Mar 2025 16:21

Instrument :

MSVOA_N

ClientSampleId :

MW3

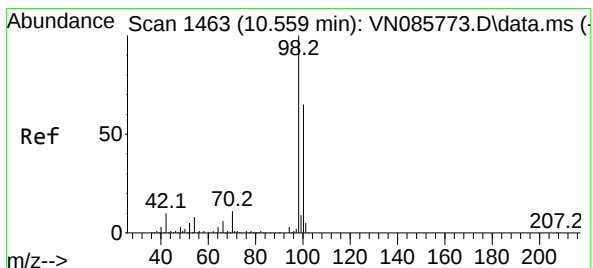
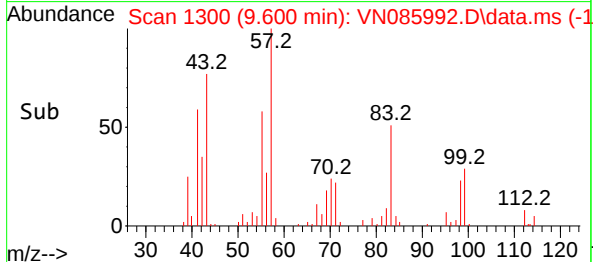
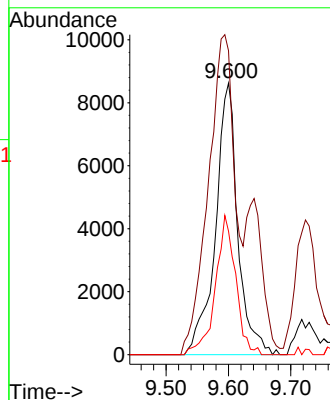
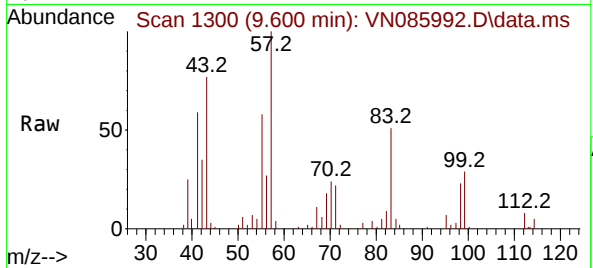
Tgt Ion: 83 Resp: 21484
 Ion Ratio Lower Upper
 83 100
 55 112.0 57.5 86.3
 98 45.5 39.2 58.8

Manual Integrations

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#50

Toluene-d8

Concen: 50.285 ug/l

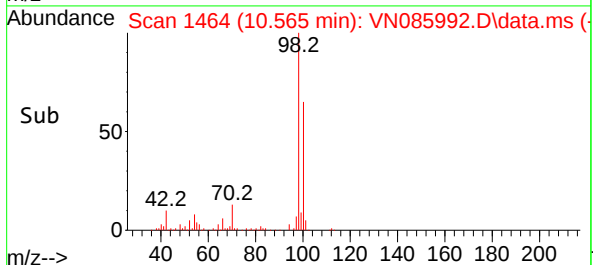
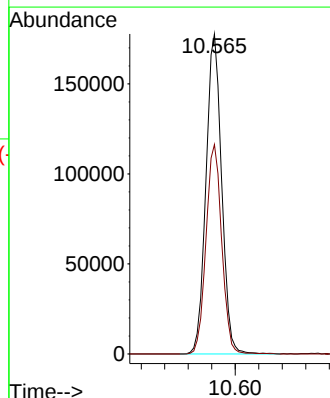
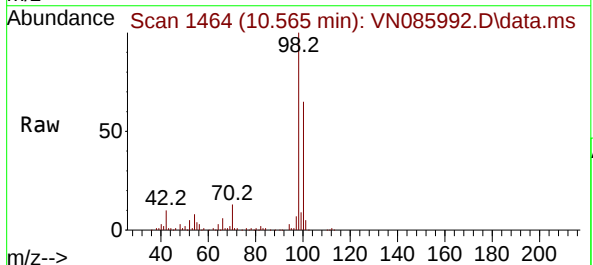
RT: 10.565 min Scan# 1464

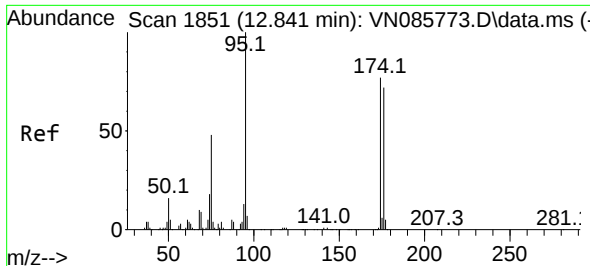
Delta R.T. 0.006 min

Lab File: VN085992.D

Acq: 14 Mar 2025 16:21

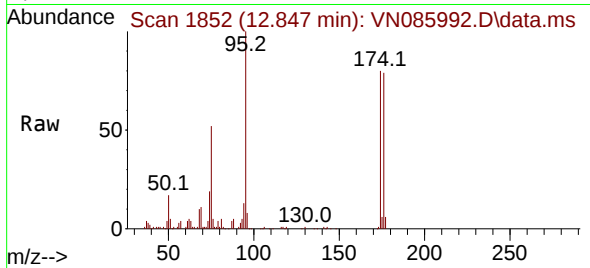
Tgt Ion: 98 Resp: 328491
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.1 78.1





#62
4-Bromofluorobenzene
Concen: 56.697 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085992.D
Acq: 14 Mar 2025 16:21

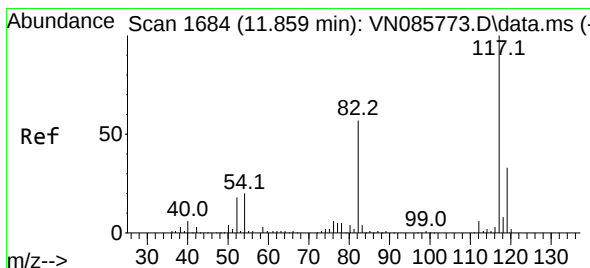
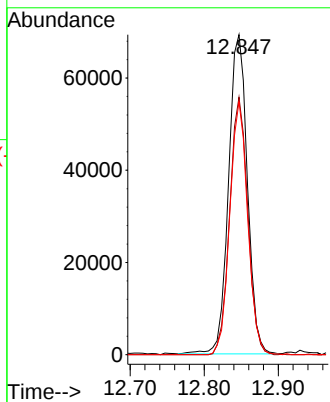
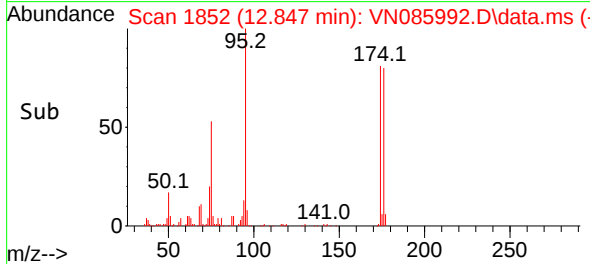
Instrument :
MSVOA_N
ClientSampleId :
MW3



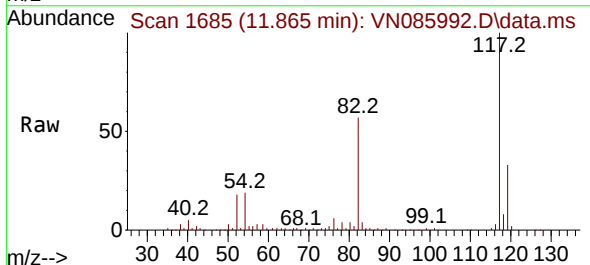
Tgt Ion: 95 Resp: 122032
Ion Ratio Lower Upper
95 100
174 77.7 0.0 152.4
176 75.3 0.0 146.6

Manual Integrations
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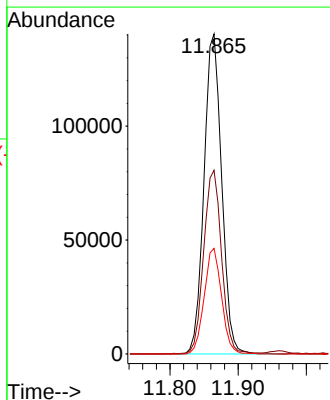
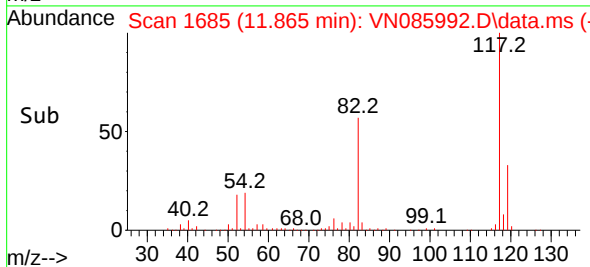
Reviewed By :John Carlone 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

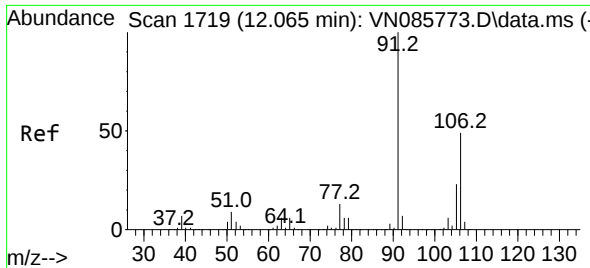


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085992.D
Acq: 14 Mar 2025 16:21



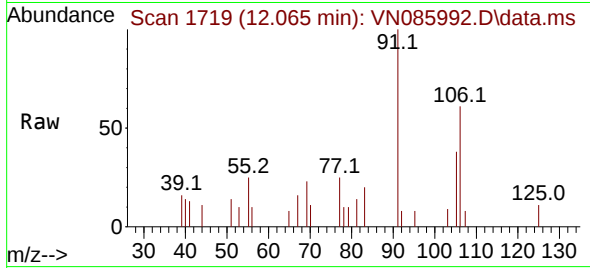
Tgt Ion:117 Resp: 253175
Ion Ratio Lower Upper
117 100
82 57.3 45.7 68.5
119 33.0 26.2 39.2





#68
m/p-Xylenes
Concen: 0.570 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085992.D
Acq: 14 Mar 2025 16:21

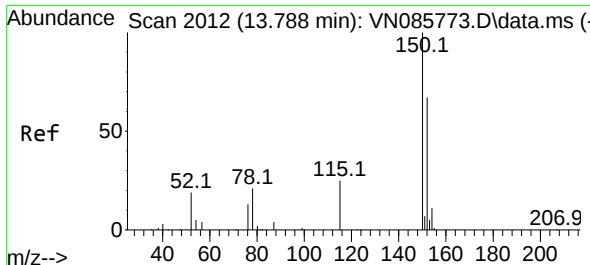
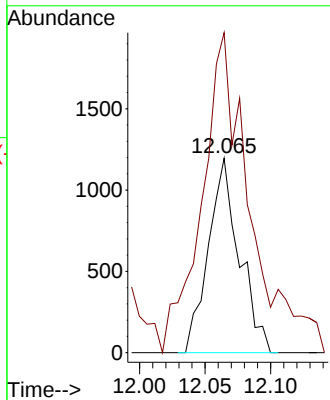
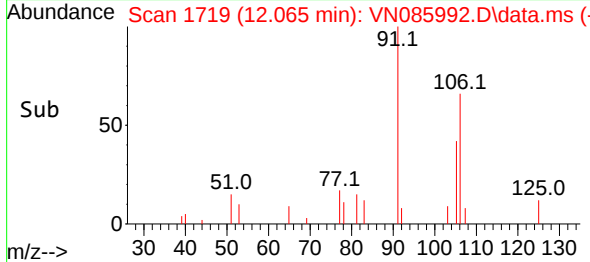
Instrument :
MSVOA_N
ClientSampleId :
MW3



Tgt Ion:106 Resp: 1960
Ion Ratio Lower Upper
106 100
91 255.5 163.3 244.9

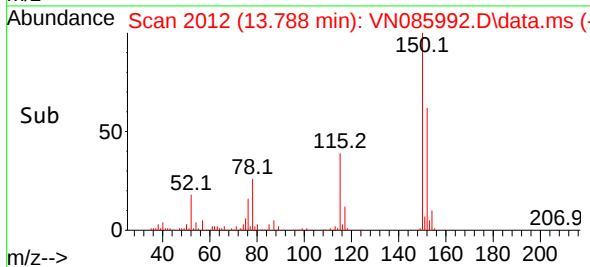
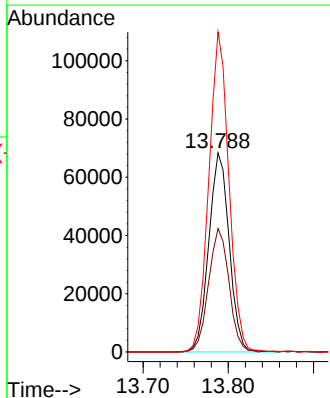
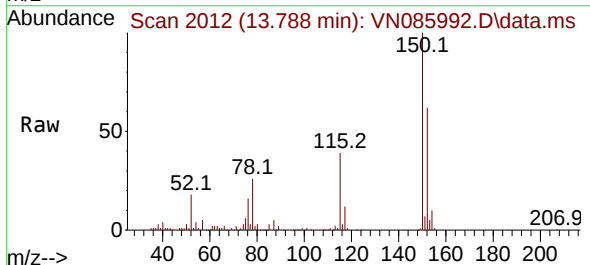
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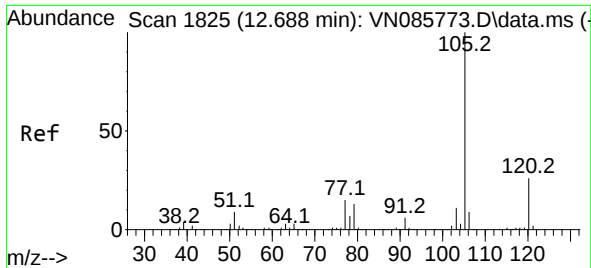
Reviewed By :John Carlone 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085992.D
Acq: 14 Mar 2025 16:21

Tgt Ion:152 Resp: 113581
Ion Ratio Lower Upper
152 100
115 62.2 30.4 91.3
150 157.8 0.0 345.4





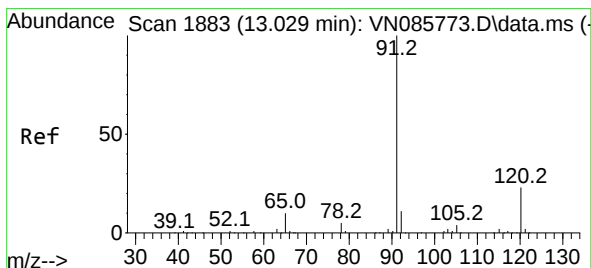
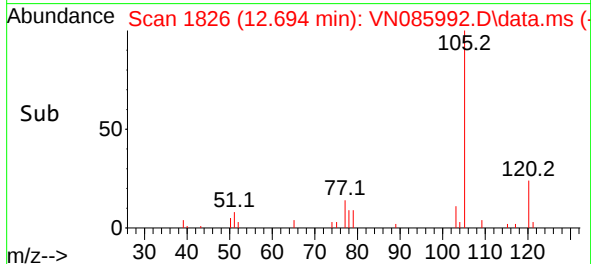
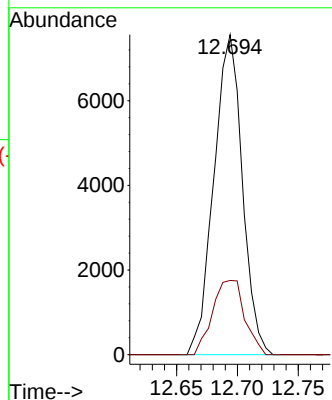
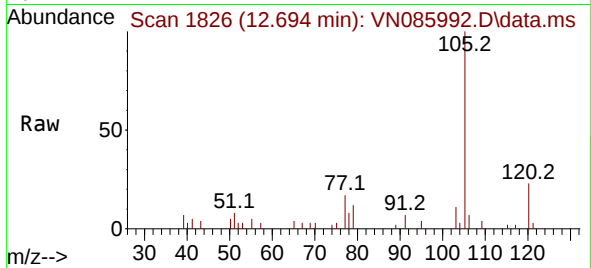
#73
Isopropylbenzene
Concen: 1.580 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085992.D
Acq: 14 Mar 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:105 Resp: 12290
Ion Ratio Lower Upper
105 100
120 26.1 13.0 39.0

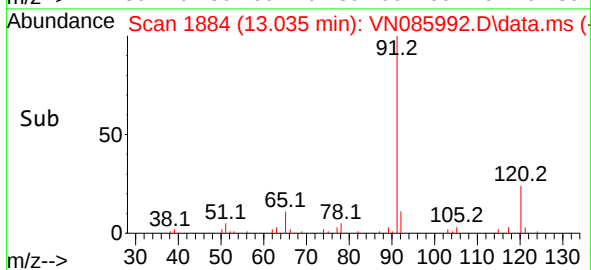
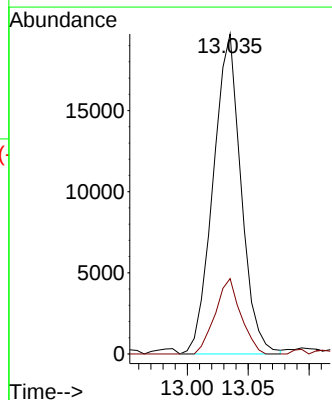
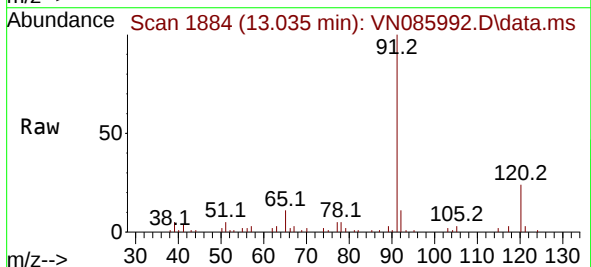
Manual Integrations
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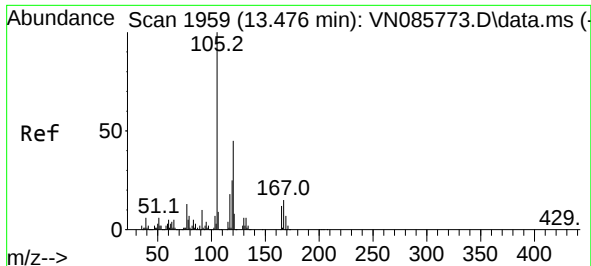
Reviewed By :John Carlone 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#78
n-propylbenzene
Concen: 3.528 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085992.D
Acq: 14 Mar 2025 16:21

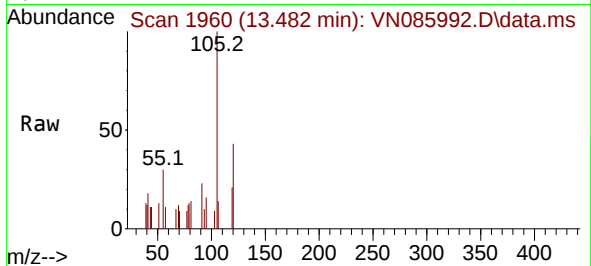
Tgt Ion: 91 Resp: 31441
Ion Ratio Lower Upper
91 100
120 21.5 11.3 33.8





#84
1,2,4-Trimethylbenzene
Concen: 0.481 ug/l
RT: 13.482 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VN085992.D
Acq: 14 Mar 2025 16:21

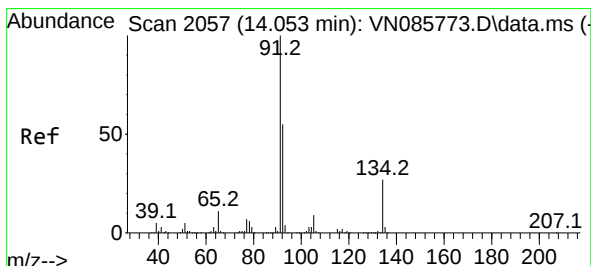
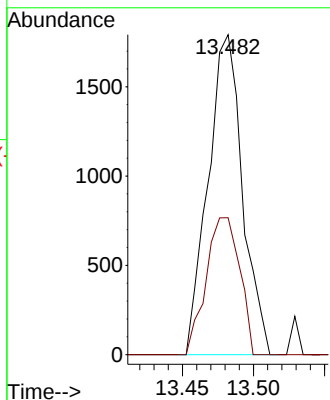
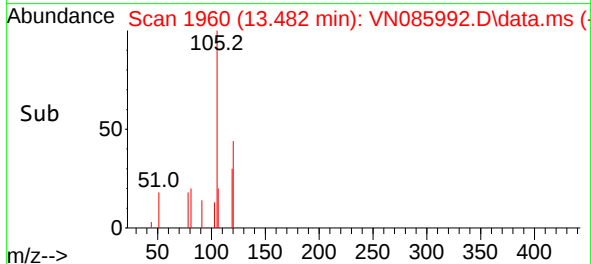
Instrument :
MSVOA_N
ClientSampleId :
MW3



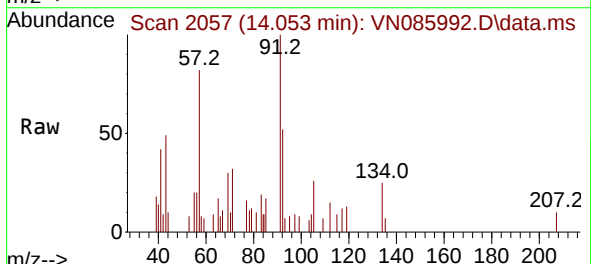
Tgt Ion:105 Resp: 3014
Ion Ratio Lower Upper
105 100
120 41.8 22.4 67.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/18/2025
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#89
n-Butylbenzene
Concen: 1.063 ug/l m
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085992.D
Acq: 14 Mar 2025 16:21



Tgt Ion: 91 Resp: 5683
Ion Ratio Lower Upper
91 100
92 36.0 27.1 81.3
134 0.0 12.7 38.1#

