

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
 Data File : VN085885.D
 Acq On : 27 Feb 2025 13:15
 Operator : JC\MD
 Sample : Q1449-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 01:58:55 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	272528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	464123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	417159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	197716	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149262	42.245	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.500%		
35) Dibromofluoromethane	8.165	113	137593	45.306	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.620%		
50) Toluene-d8	10.565	98	546922	49.497	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.000%		
62) 4-Bromofluorobenzene	12.847	95	204951	56.296	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	112.600%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	42310	97.362	ug/l #	72
16) Acetone	4.418	43	130854	117.045	ug/l #	62
25) 2-Butanone	7.488	43	25645	15.592	ug/l	90
31) Cyclohexane	8.253	56	288331	57.135	ug/l #	89
39) Methylcyclohexane	9.600	83	264867	62.727	ug/l	96
40) Benzene	8.606	78	111967	8.128	ug/l	95
52) Toluene	10.623	92	23449	2.904	ug/l	99
67) Ethyl Benzene	11.959	91	562811	37.597	ug/l	99
68) m/p-Xylenes	12.076	106	186633	32.822	ug/l	95
69) o-Xylene	12.394	106	53889	9.973	ug/l	97
73) Isopropylbenzene	12.694	105	574265	42.395	ug/l	99
78) n-propylbenzene	13.035	91	2090731	134.775	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1187981	107.665	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	5988460	548.560	ug/l	100
85) sec-Butylbenzene	13.612	105	148220m	11.306	ug/l	
86) p-Isopropyltoluene	13.729	119	64435m	6.316	ug/l	
89) n-Butylbenzene	14.053	91	230981	24.816	ug/l #	80
95) Naphthalene	15.641	128	996244	115.504	ug/l	99

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

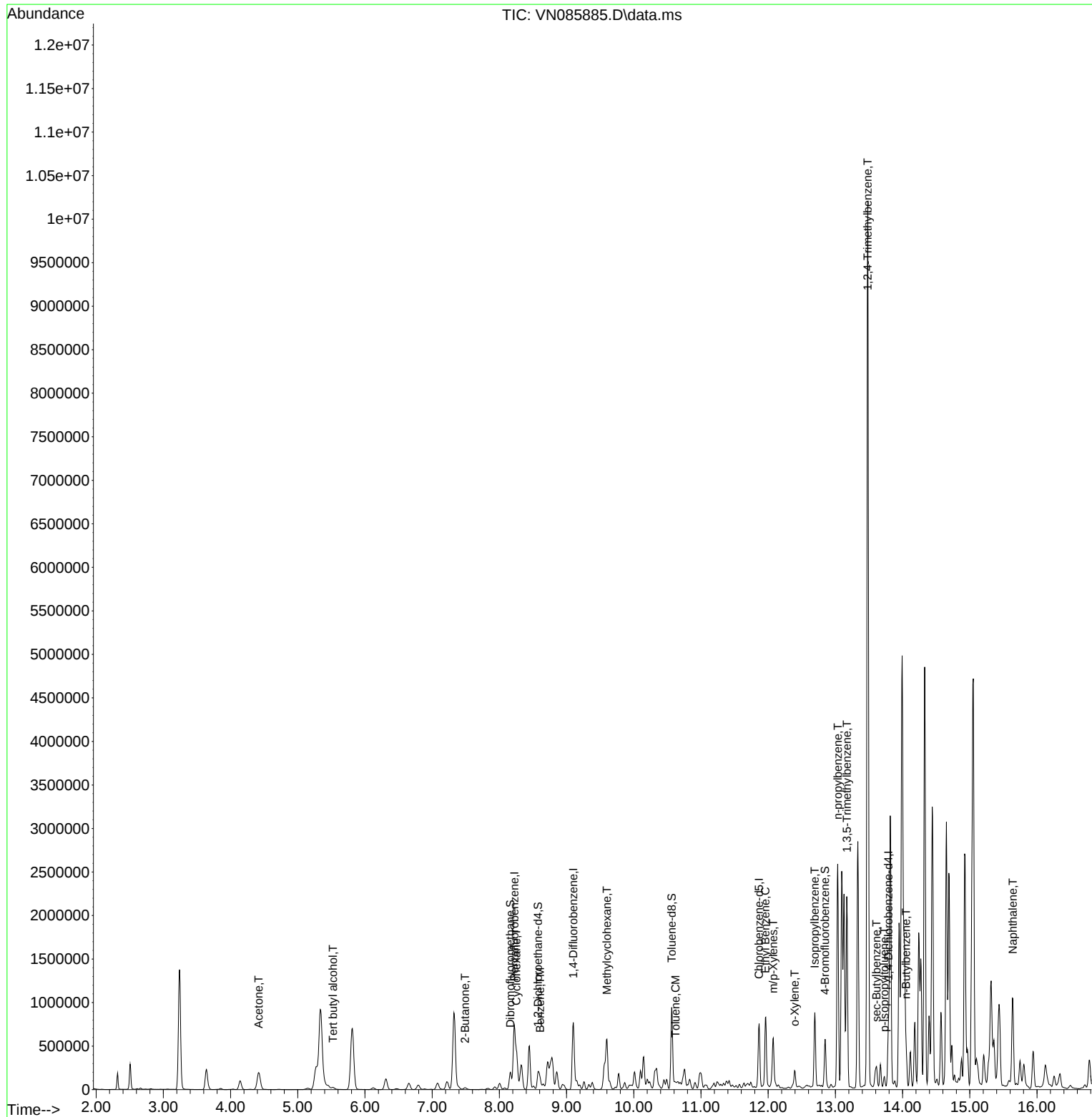
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
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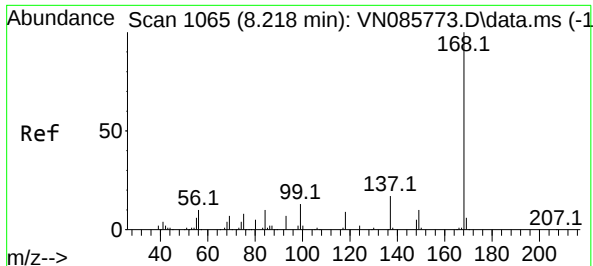
Instrument :
MSVOA_N
ClientSampleId :
MW2

Quant Time: Feb 28 01:58:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
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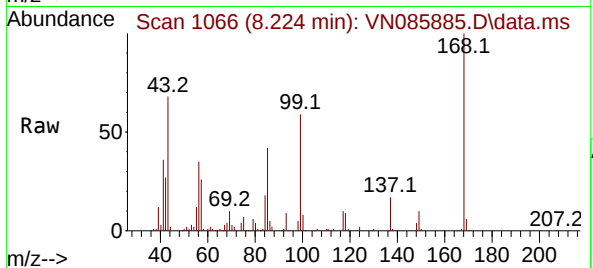
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

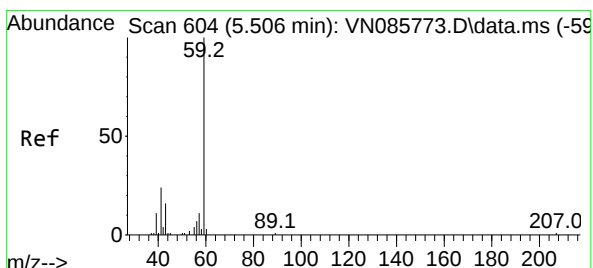
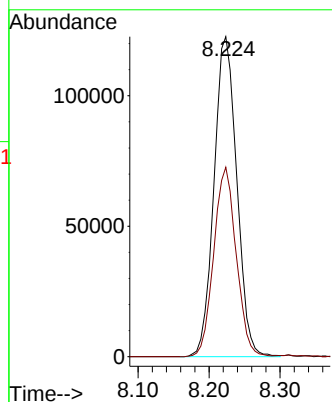
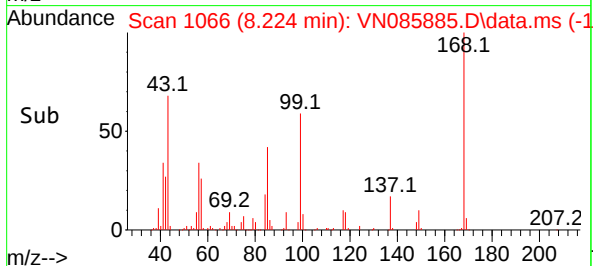
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion:168 Resp: 272528
Ion Ratio Lower Upper
168 100
99 59.2 47.9 71.9

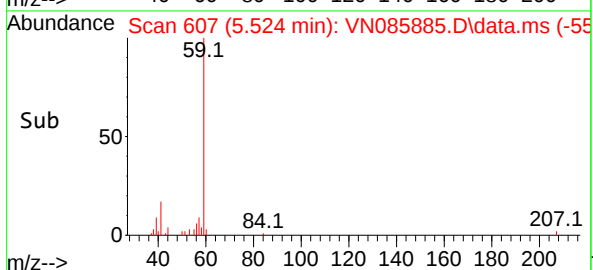
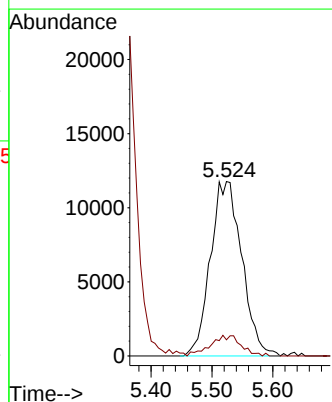
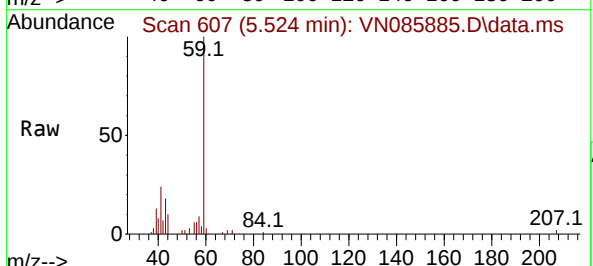
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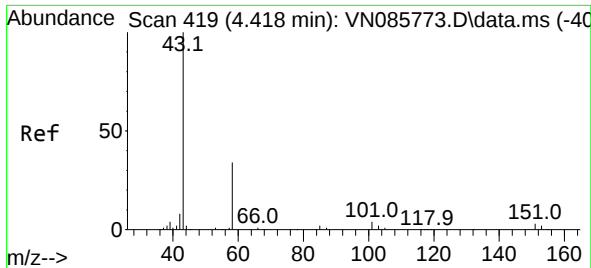
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#11
Tert butyl alcohol
Concen: 97.362 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

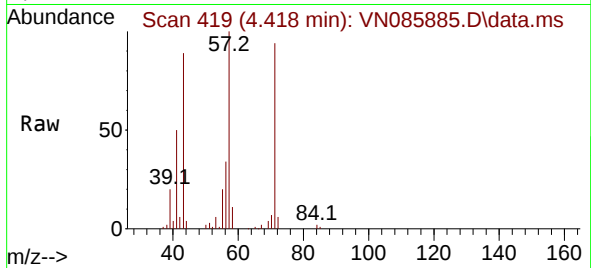
Tgt Ion: 59 Resp: 42310
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16
Acetone
Concen: 117.045 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

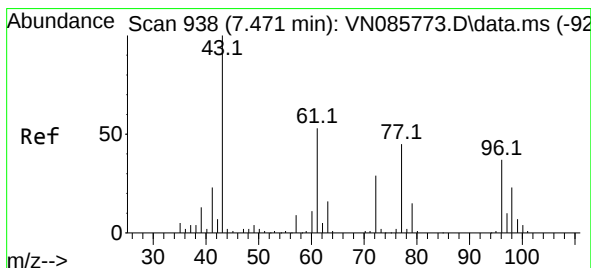
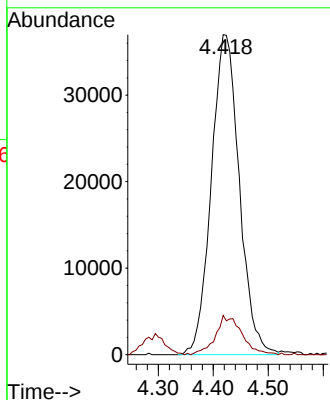
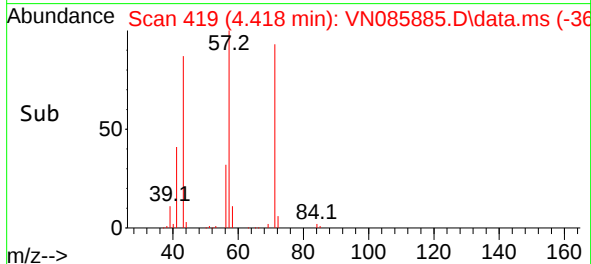
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion: 43 Resp: 130854
Ion Ratio Lower Upper
43 100
58 12.3 27.5 41.3

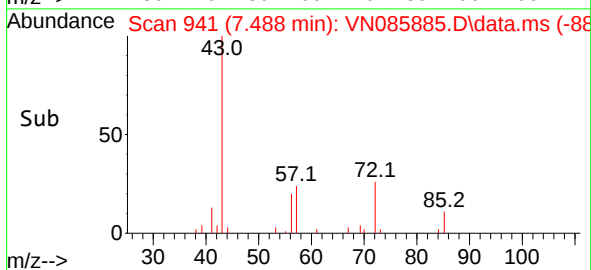
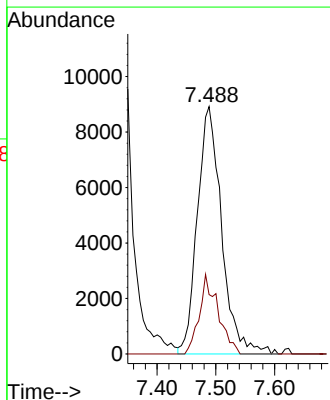
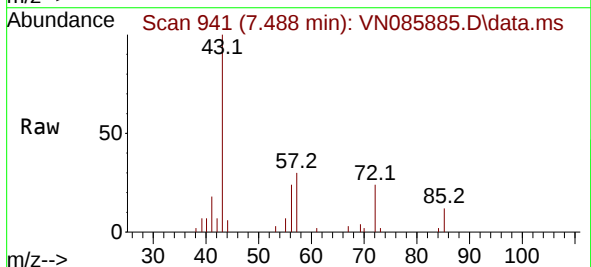
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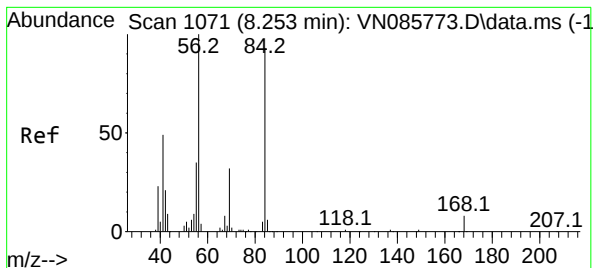
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#25
2-Butanone
Concen: 15.592 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion: 43 Resp: 25645
Ion Ratio Lower Upper
43 100
72 24.0 23.6 35.4





#31

Cyclohexane

Concen: 57.135 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085885.D

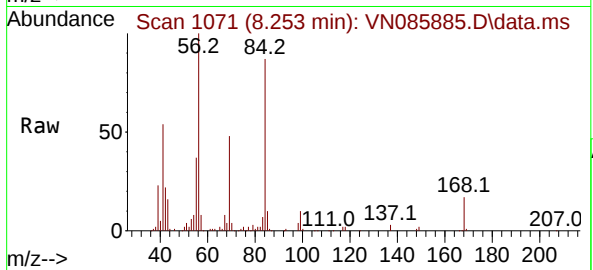
Acq: 27 Feb 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

MW2



Tgt Ion: 56 Resp: 28833

Ion Ratio Lower Upper

56 100

69 45.3 25.8 38.6

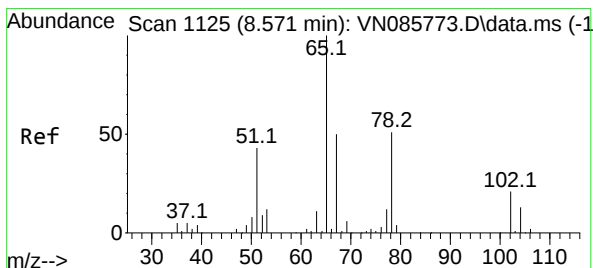
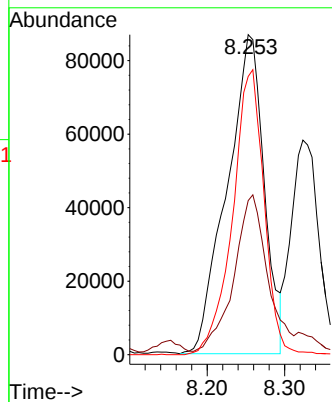
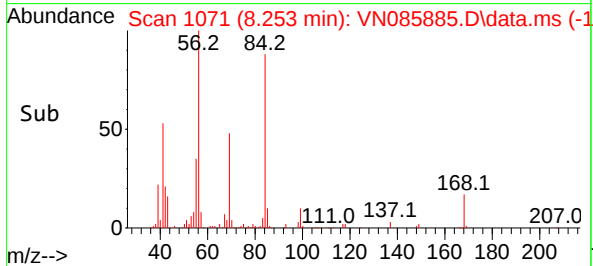
84 87.2 74.5 111.7

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#33

1,2-Dichloroethane-d4

Concen: 42.245 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085885.D

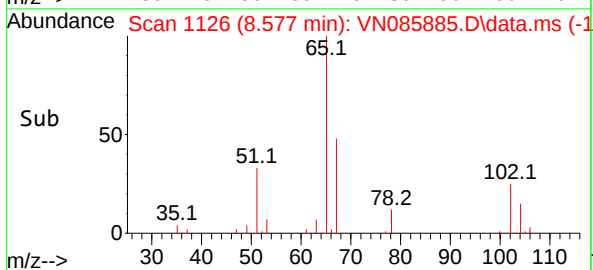
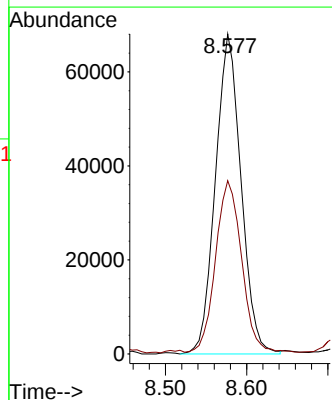
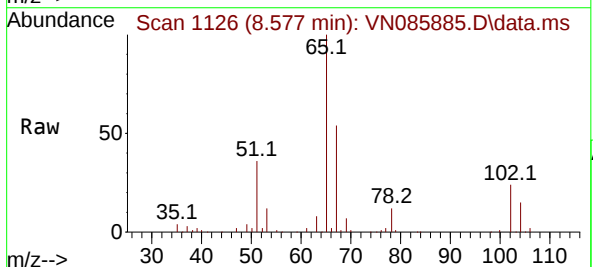
Acq: 27 Feb 2025 13:15

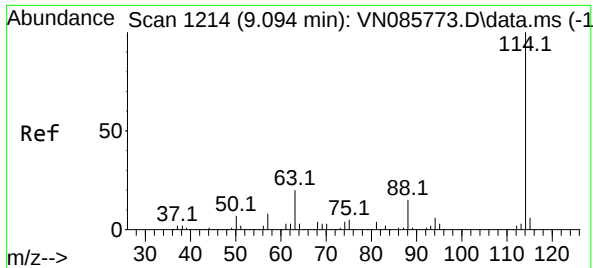
Tgt Ion: 65 Resp: 149262

Ion Ratio Lower Upper

65 100

67 54.2 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: VN085885.D

Acq: 27 Feb 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

MW2

Tgt Ion:114 Resp: 46412

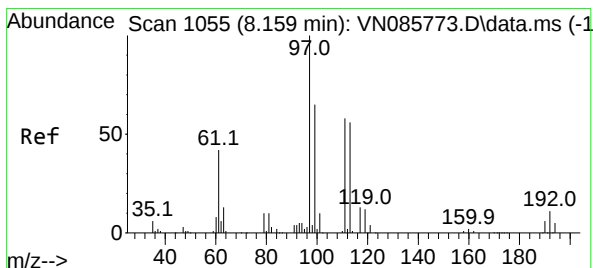
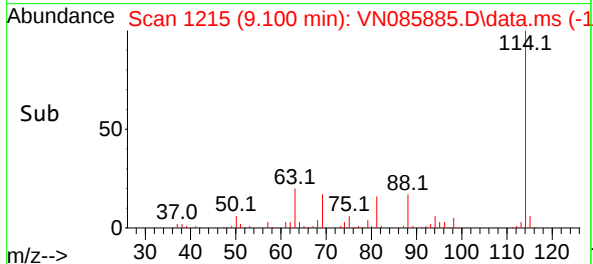
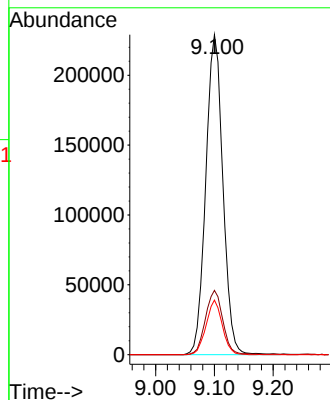
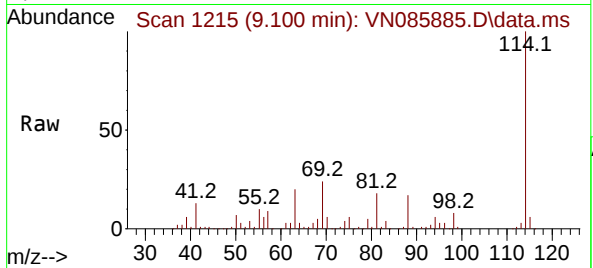
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.2
88	17.1	0.0	30.0

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#35

Dibromofluoromethane

Concen: 45.306 ug/l

RT: 8.165 min Scan# 1056

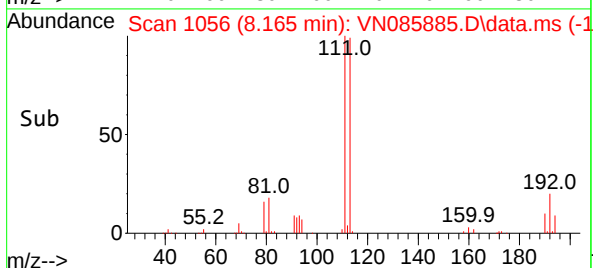
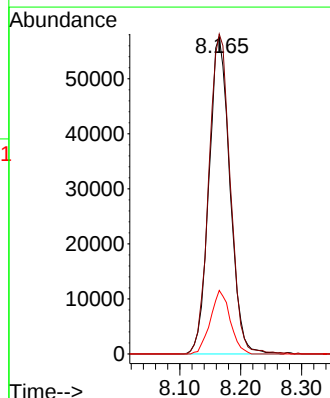
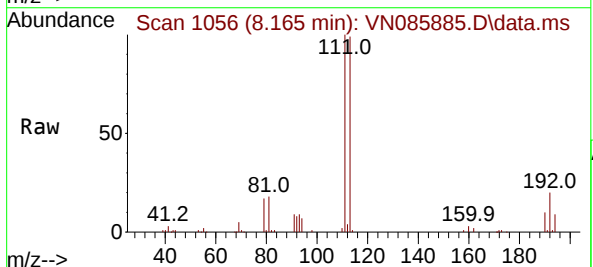
Delta R.T. 0.006 min

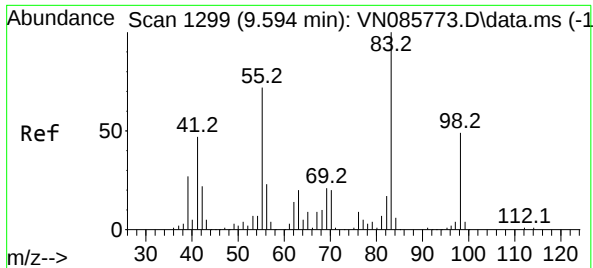
Lab File: VN085885.D

Acq: 27 Feb 2025 13:15

Tgt Ion:113 Resp: 137593

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	18.9	14.7	22.1





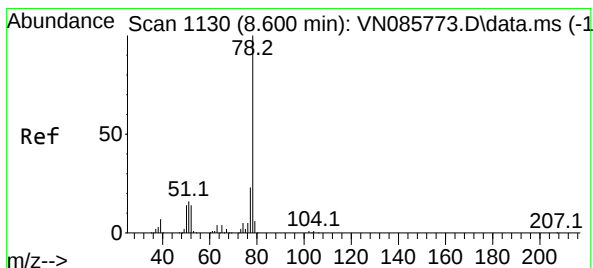
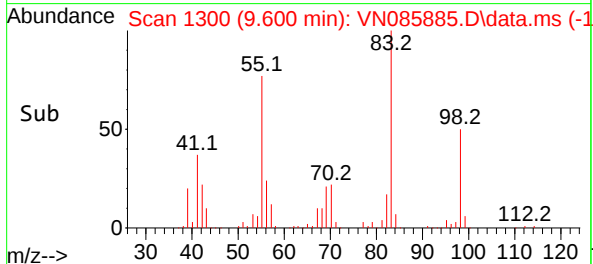
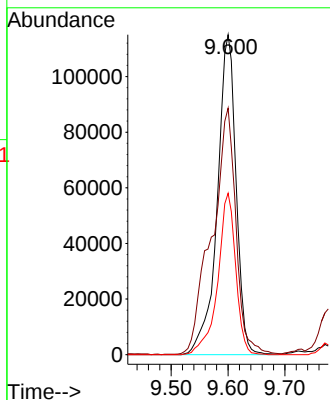
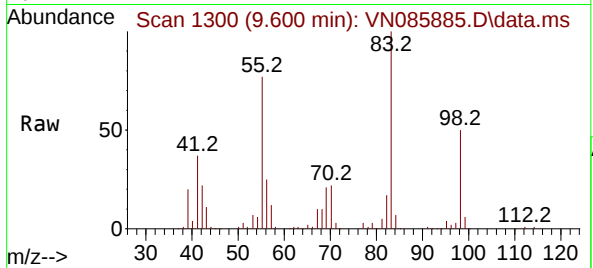
#39
Methylcyclohexane
Concen: 62.727 ug/l
RT: 9.600 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 83 Resp: 26486
Ion Ratio Lower Upper
83 100
55 76.9 57.5 86.3
98 50.5 39.2 58.8

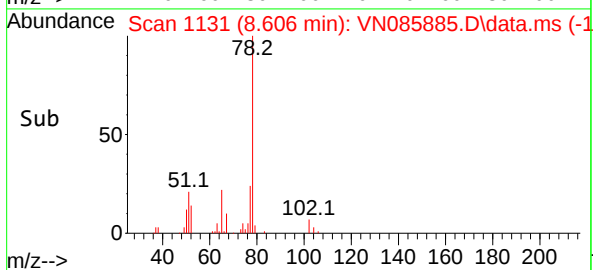
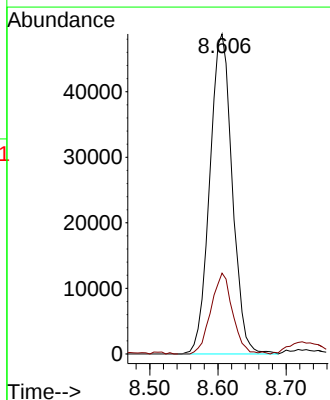
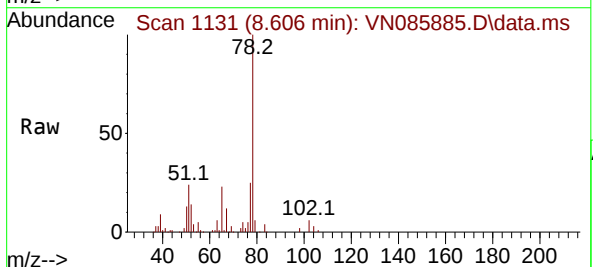
Manual Integrations
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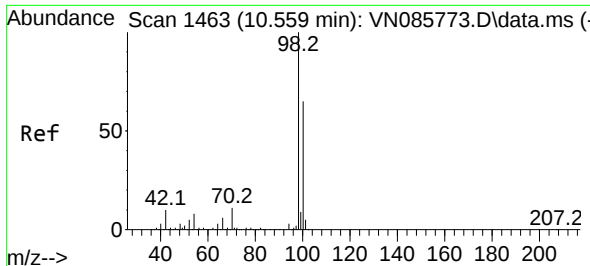
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#40
Benzene
Concen: 8.128 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

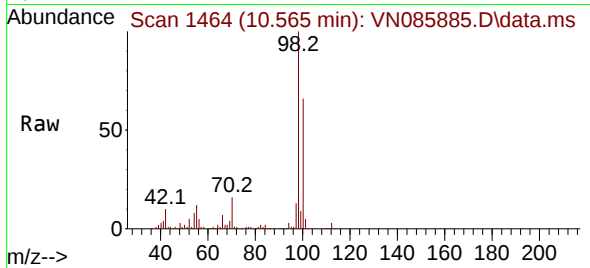
Tgt Ion: 78 Resp: 111967
Ion Ratio Lower Upper
78 100
77 25.3 18.3 27.5





#50
Toluene-d8
Concen: 49.497 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

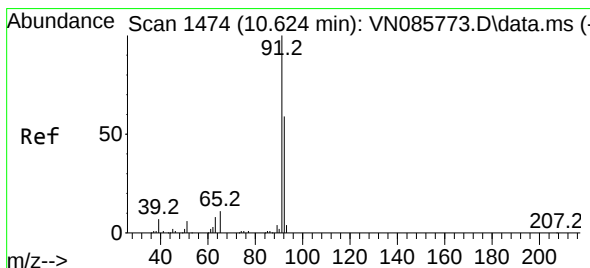
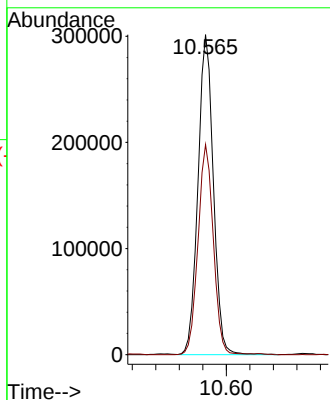
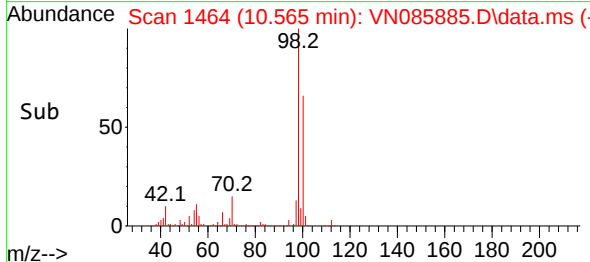
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion: 98 Resp: 54692
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1

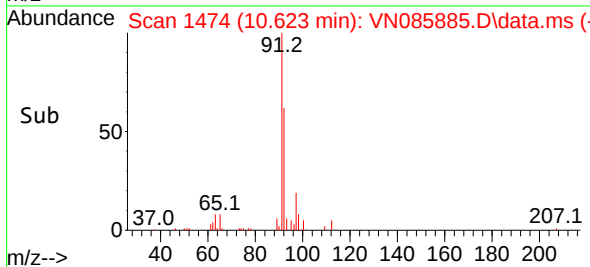
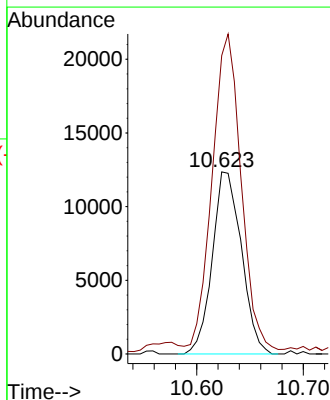
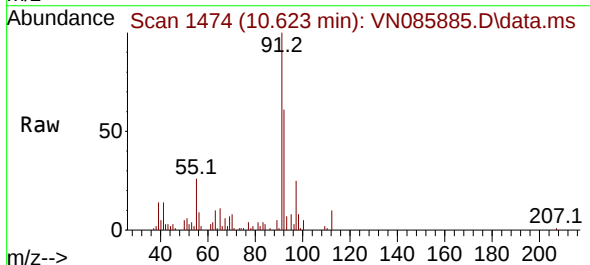
Manual Integrations
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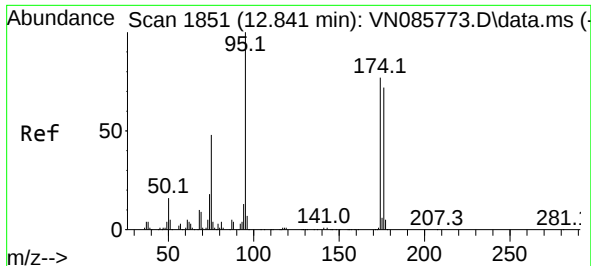
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#52
Toluene
Concen: 2.904 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

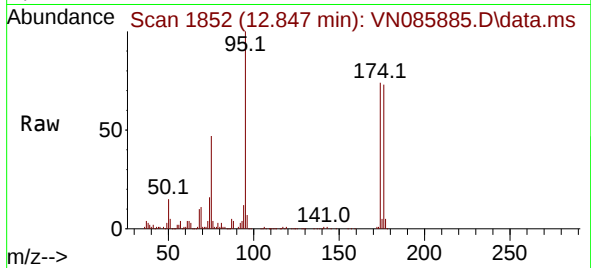
Tgt Ion: 92 Resp: 23449
Ion Ratio Lower Upper
92 100
91 173.1 136.9 205.3





#62
4-Bromofluorobenzene
Concen: 56.296 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

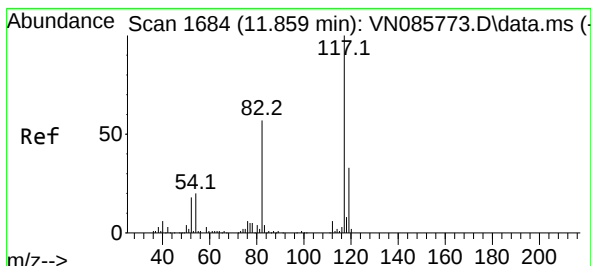
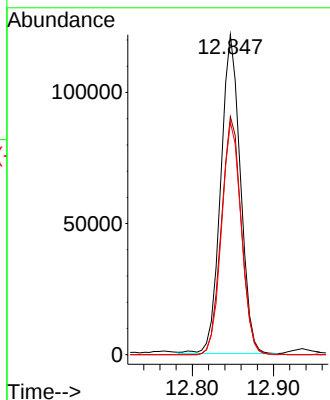
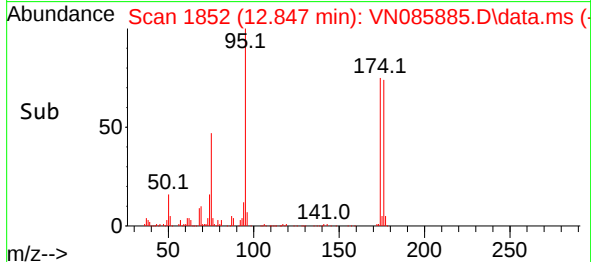
Instrument :
MSVOA_N
ClientSampleId :
MW2



Tgt Ion: 95 Resp: 20495
Ion Ratio Lower Upper
95 100
174 75.3 0.0 152.4
176 73.0 0.0 146.6

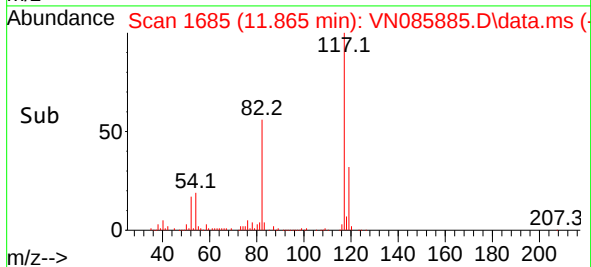
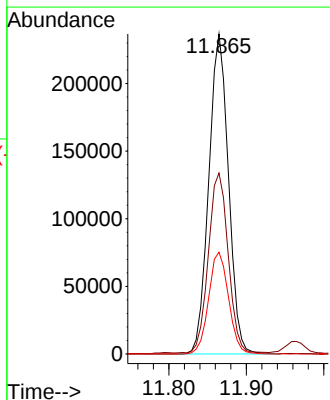
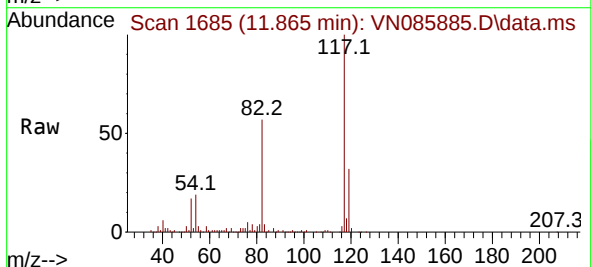
Manual Integrations
APPROVED

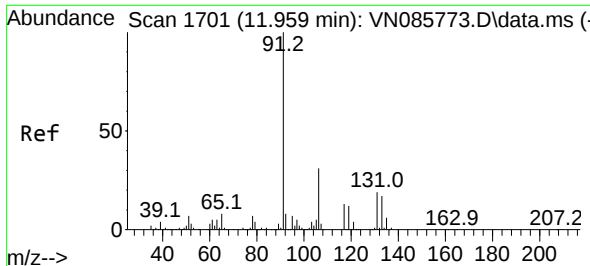
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

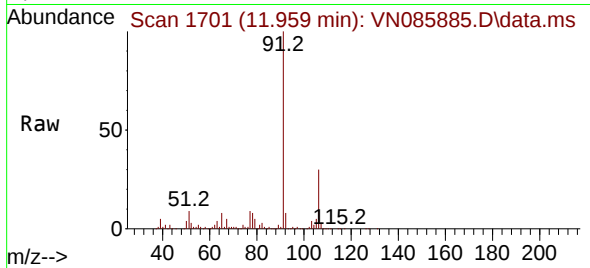
Tgt Ion:117 Resp: 417159
Ion Ratio Lower Upper
117 100
82 56.2 45.7 68.5
119 31.8 26.2 39.2





#67
Ethyl Benzene
Concen: 37.597 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

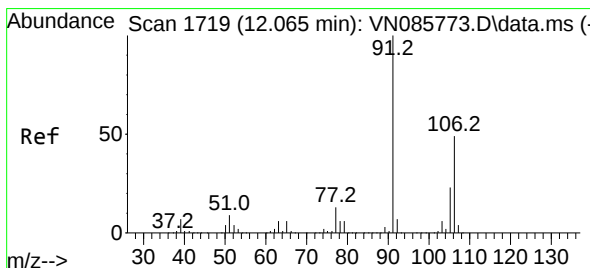
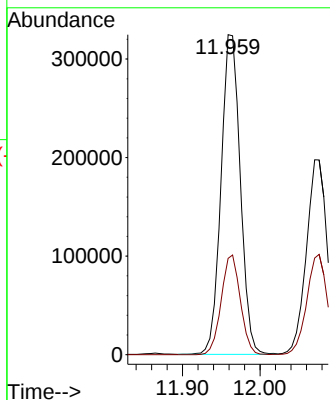
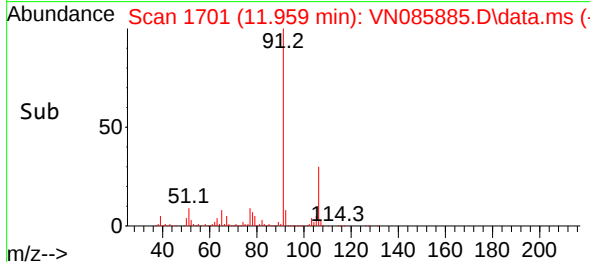
Instrument :
MSVOA_N
ClientSampleId :
MW2



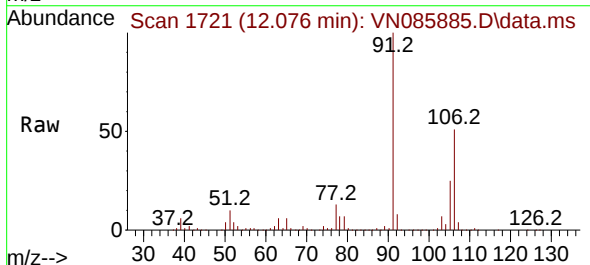
Tgt Ion: 91 Resp: 56281
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1

Manual Integrations
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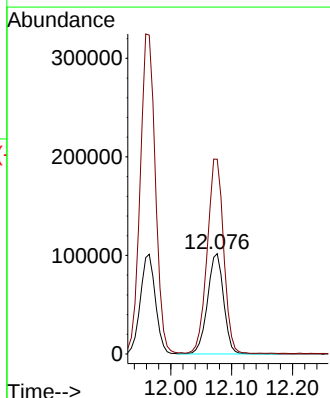
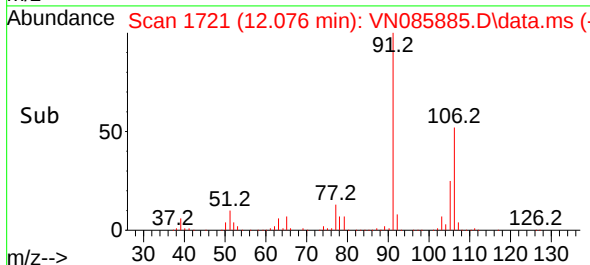
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

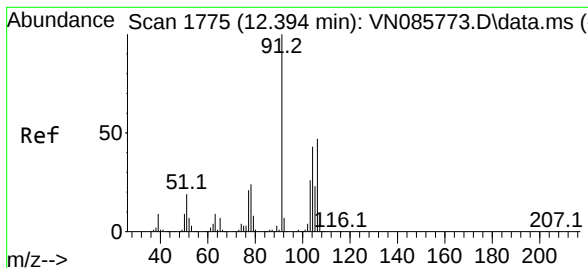


#68
m/p-Xylenes
Concen: 32.822 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.011 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15



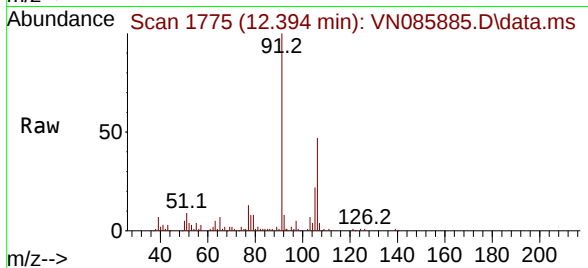
Tgt Ion:106 Resp: 186633
Ion Ratio Lower Upper
106 100
91 196.9 163.3 244.9





#69
o-Xylene
Concen: 9.973 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

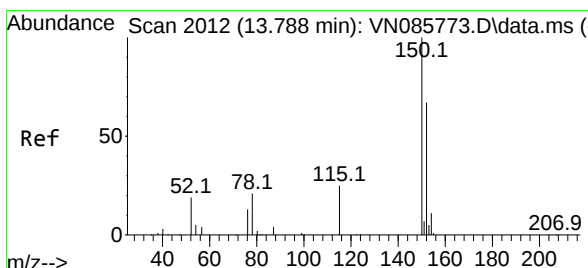
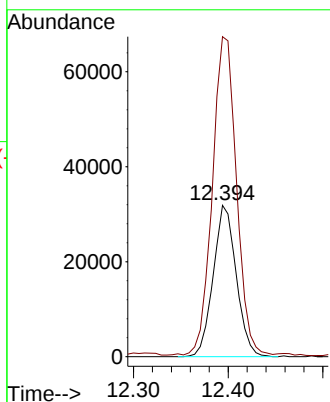
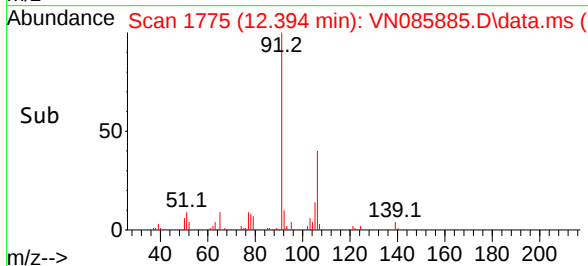
Instrument :
MSVOA_N
ClientSampleId :
MW2



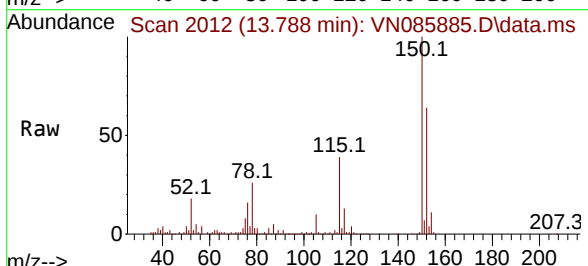
Tgt Ion:106 Resp: 53889
Ion Ratio Lower Upper
106 100
91 219.4 107.1 321.4

Manual Integrations
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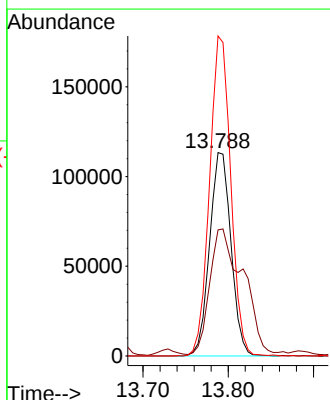
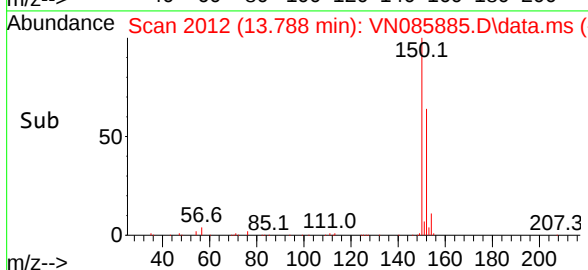
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

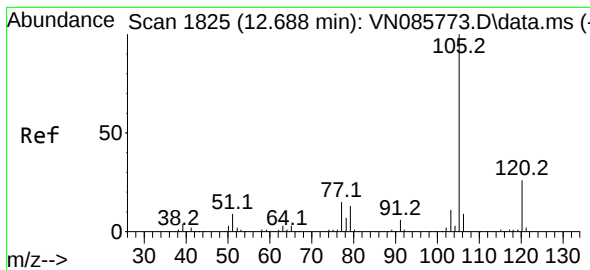


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15



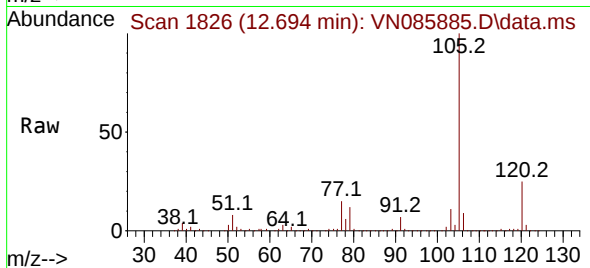
Tgt Ion:152 Resp: 197716
Ion Ratio Lower Upper
152 100
115 95.7 30.4 91.3#
150 155.5 0.0 345.4





#73
Isopropylbenzene
Concen: 42.395 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

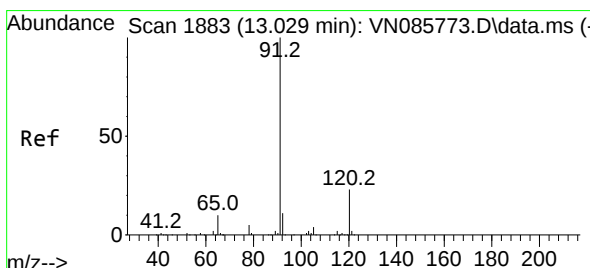
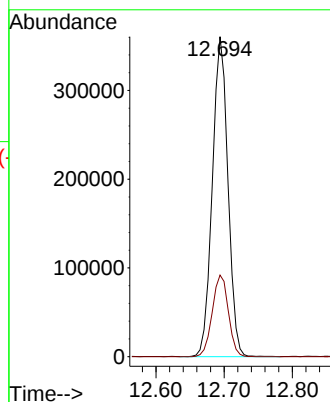
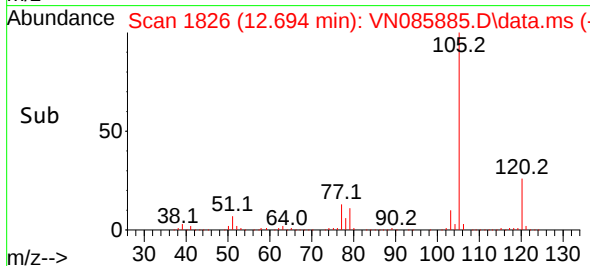
Instrument :
MSVOA_N
ClientSampleId :
MW2



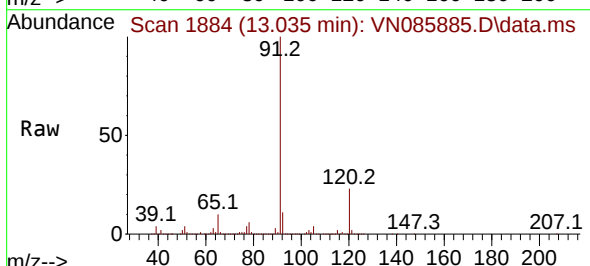
Tgt Ion:105 Resp: 57426
Ion Ratio Lower Upper
105 100
120 26.3 13.0 39.0

Manual Integrations
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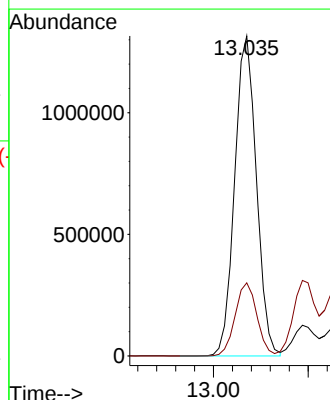
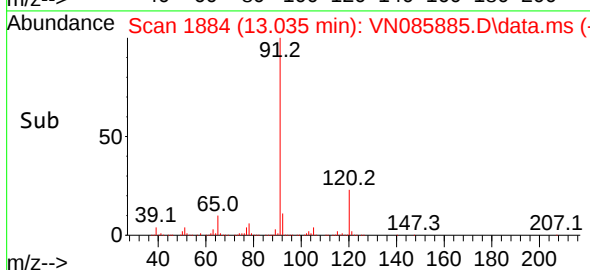
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

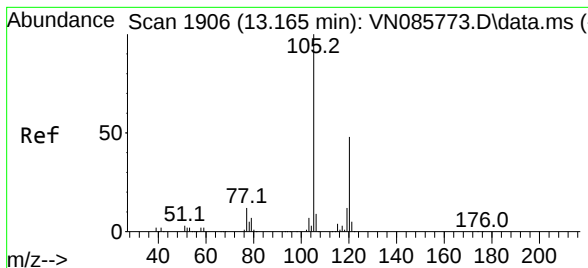


#78
n-propylbenzene
Concen: 134.775 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15



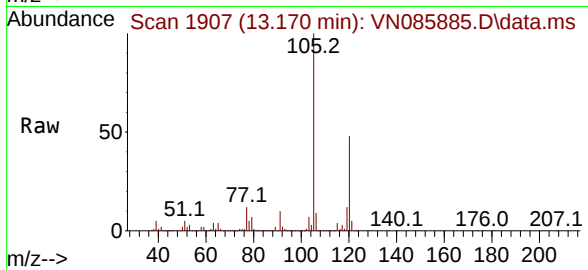
Tgt Ion: 91 Resp: 2090731
Ion Ratio Lower Upper
91 100
120 22.9 11.3 33.8





#80
 1,3,5-Trimethylbenzene
 Concen: 107.665 ug/l
 RT: 13.170 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VN085885.D
 Acq: 27 Feb 2025 13:15

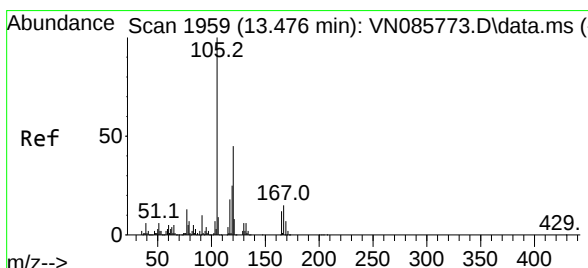
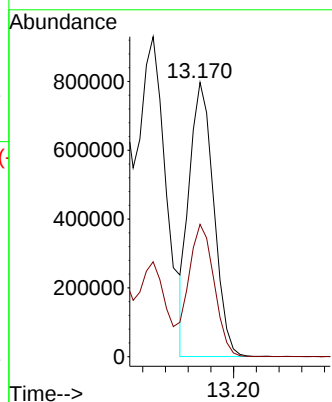
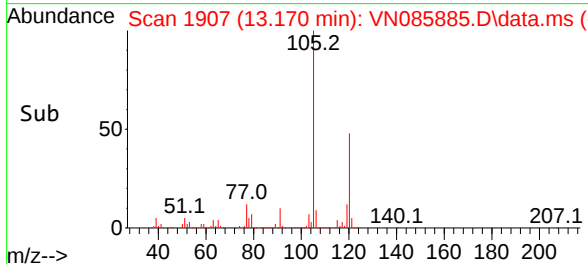
Instrument :
 MSVOA_N
 ClientSampleId :
 MW2



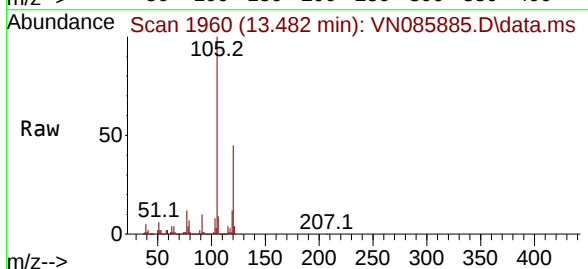
Tgt Ion:105 Resp: 118798
 Ion Ratio Lower Upper
 105 100
 120 51.9 24.3 72.9

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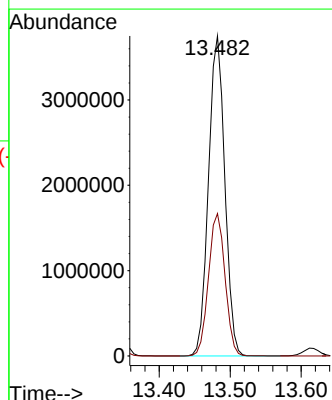
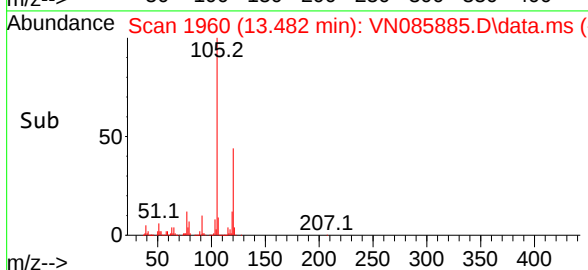
Reviewed By :John Carlone 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

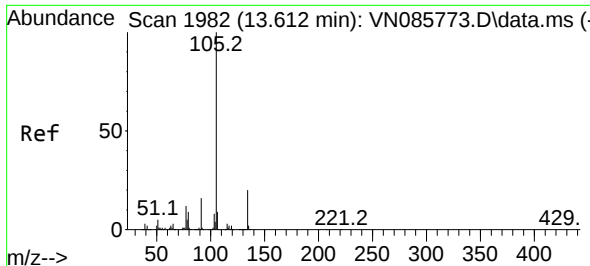


#84
 1,2,4-Trimethylbenzene
 Concen: 548.560 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.006 min
 Lab File: VN085885.D
 Acq: 27 Feb 2025 13:15



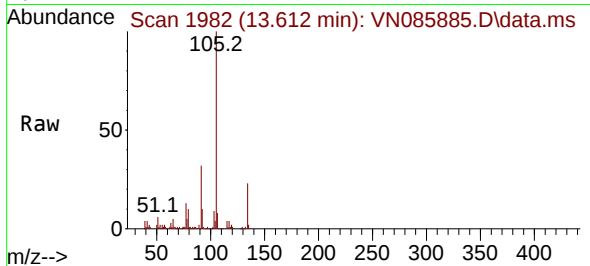
Tgt Ion:105 Resp: 5988460
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3





#85
 sec-Butylbenzene
 Concen: 11.306 ug/l m
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085885.D
 Acq: 27 Feb 2025 13:15

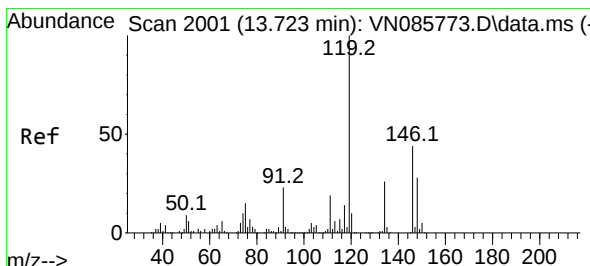
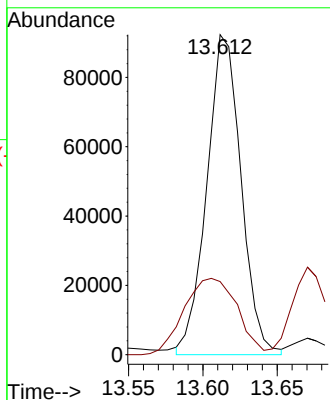
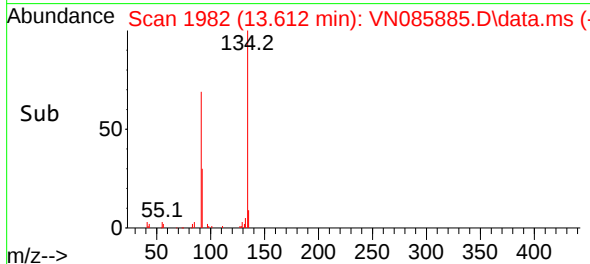
Instrument :
 MSVOA_N
 ClientSampleId :
 MW2



Tgt Ion:105 Resp: 148220
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#

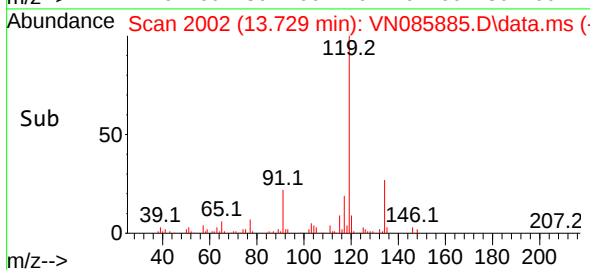
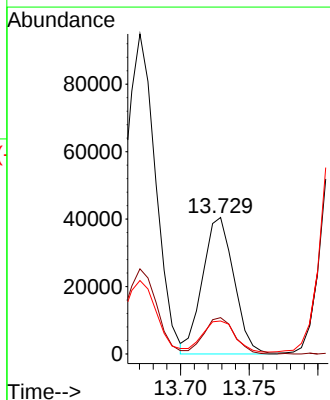
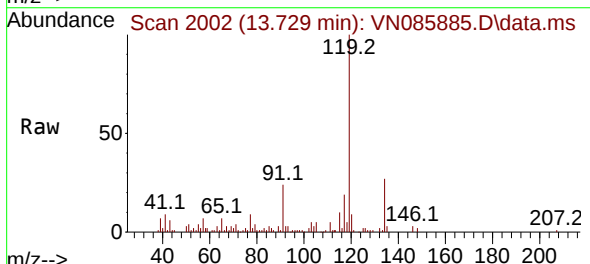
Manual Integrations
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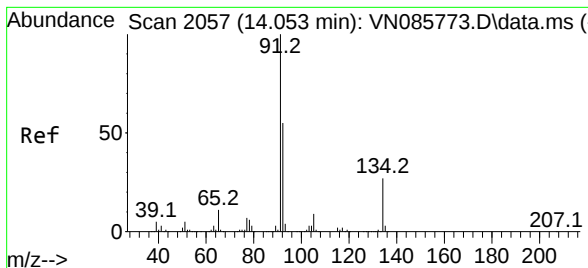
Reviewed By :John Carlone 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025



#86
 p-Isopropyltoluene
 Concen: 6.316 ug/l m
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN085885.D
 Acq: 27 Feb 2025 13:15

Tgt Ion:119 Resp: 64435
 Ion Ratio Lower Upper
 119 100
 134 61.6 13.0 39.0#
 91 47.3 11.7 35.1#





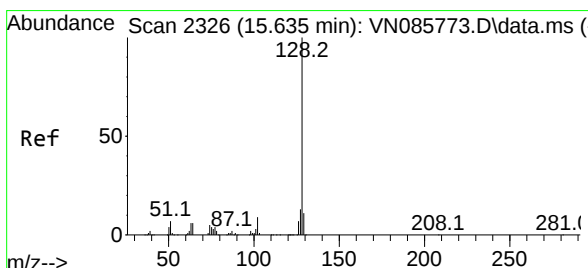
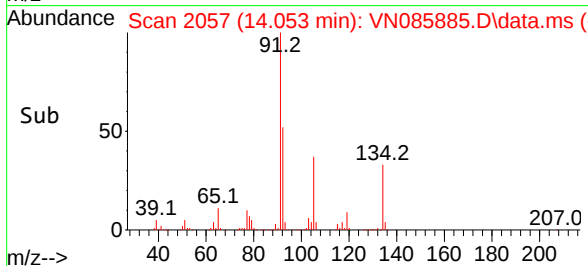
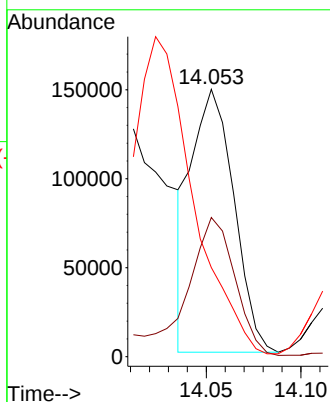
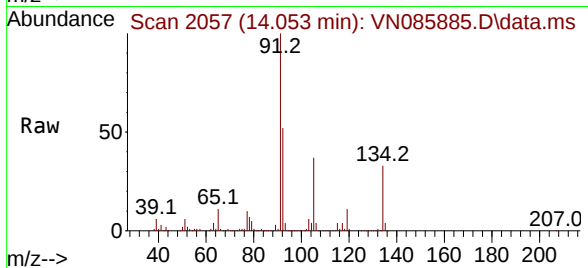
#89
n-Butylbenzene
Concen: 24.816 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 91 Resp: 23098
Ion Ratio Lower Upper
91 100
92 58.0 27.1 81.3
134 0.0 12.7 38.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#95
Naphthalene
Concen: 115.504 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085885.D
Acq: 27 Feb 2025 13:15

Tgt Ion:128 Resp: 996244
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.3 8.7 13.1

