

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
 Data File : VN085335.D
 Acq On : 27 Dec 2024 19:06
 Operator : JC\MD
 Sample : P5386-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-24-00398

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/30/2024
 Supervised By : Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:45:32 2024
 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	8.218	168	151653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109076	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117158	54.165	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 108.320%		
35) Dibromofluoromethane	8.165	113	90185	50.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 101.500%		
50) Toluene-d8	10.565	98	353052	54.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 108.300%		
62) 4-Bromofluorobenzene	12.847	95	115485	53.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 106.660%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	17796	65.704	ug/l	# 83
16) Acetone	4.418	43	3117057	4382.478	ug/l	100
20) Methylene Chloride	5.265	84	2147	1.122	ug/l	# 77
25) 2-Butanone	7.488	43	40989	37.147	ug/l	99
30) Chloroform	7.959	83	9619	2.685	ug/l	98
37) Ethyl Acetate	7.559	43	19445	7.520	ug/l	98
43) Isopropyl Acetate	8.688	43	171878m	40.367	ug/l	
51) 4-Methyl-2-Pentanone	10.441	43	17970m	7.510	ug/l	
52) Toluene	10.629	92	353040	75.377	ug/l	100
67) Ethyl Benzene	11.959	91	80142	8.943	ug/l	98
68) m/p-Xylenes	12.065	106	198497	60.525	ug/l	99
69) o-Xylene	12.394	106	591224	186.356	ug/l	97
73) Isopropylbenzene	12.694	105	157701	20.105	ug/l	99
78) n-propylbenzene	13.035	91	508829	55.652	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	664772	104.779	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	3016491	477.485	ug/l	98
86) p-Isopropyltoluene	13.729	119	248614	37.043	ug/l	98

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

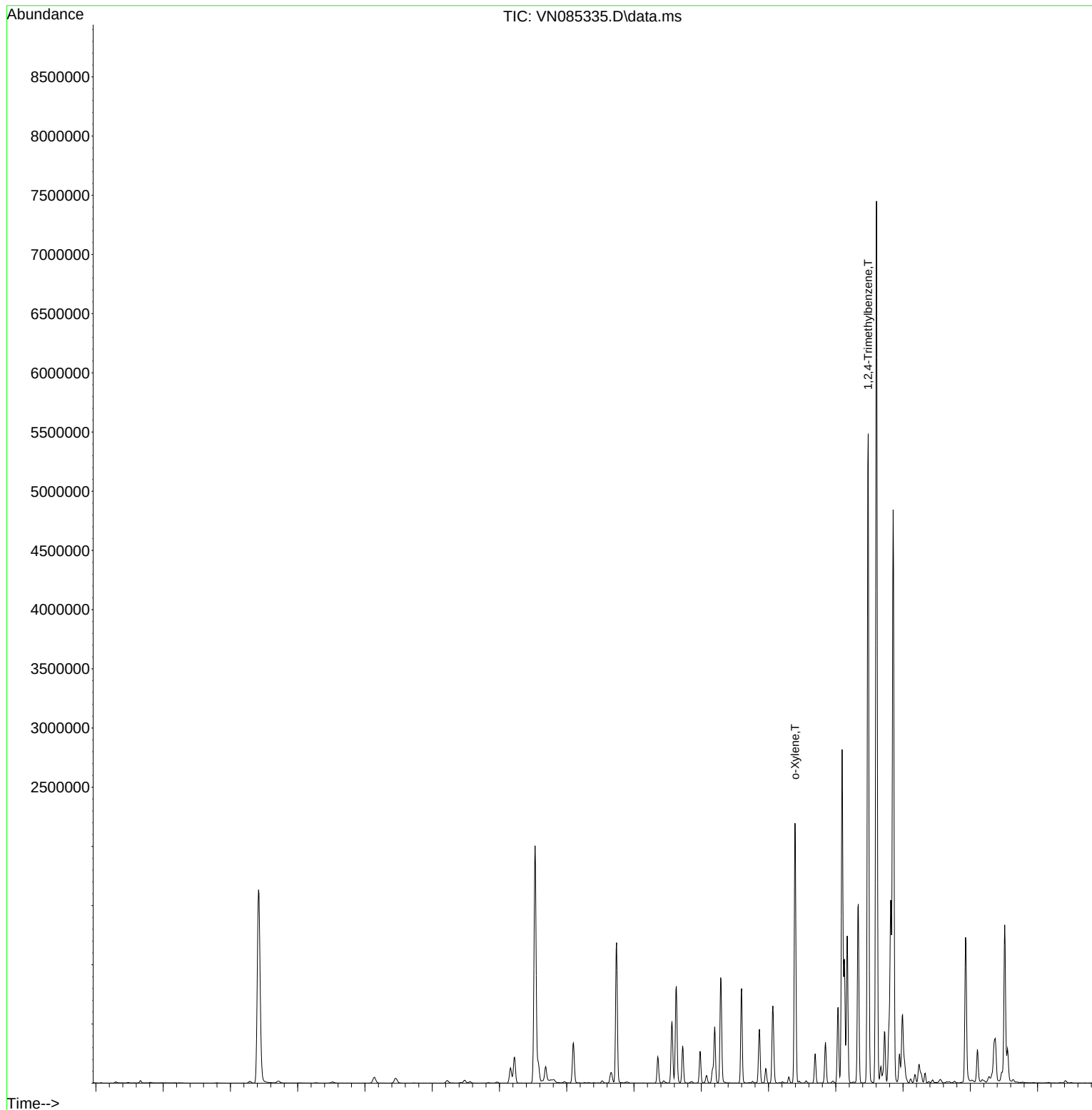
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085335.D
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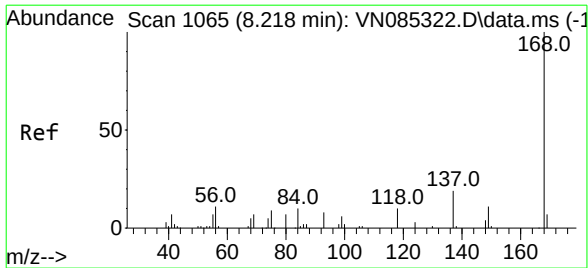
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00398

Quant Time: Dec 28 01:45:32 2024
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

Manual Integrations
APPROVED

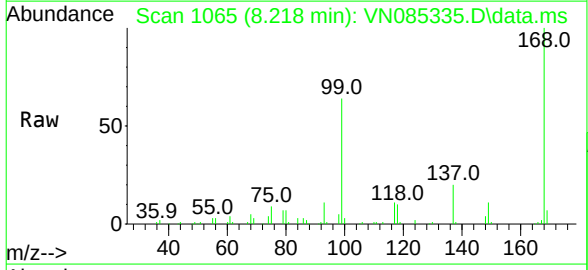
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

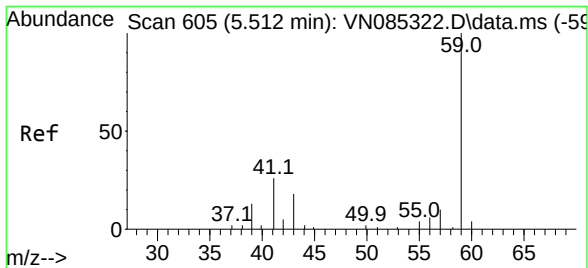
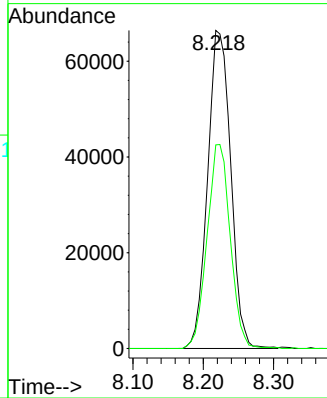
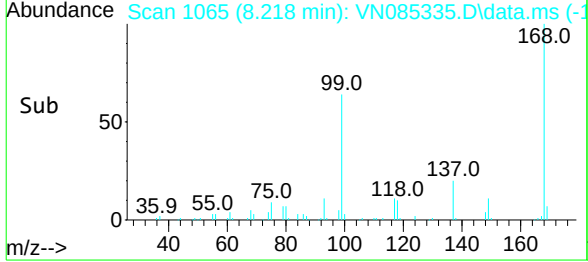
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00398



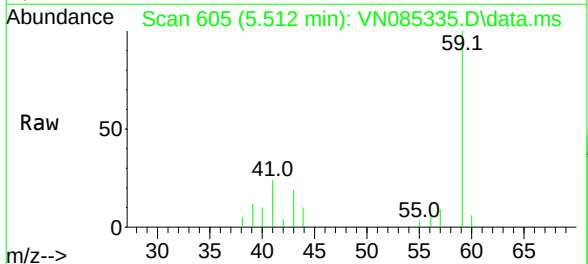
Tgt Ion: 168 Resp: 151653
Ion Ratio Lower Upper
168 100
99 64.0 51.0 76.4

Manual Integrations
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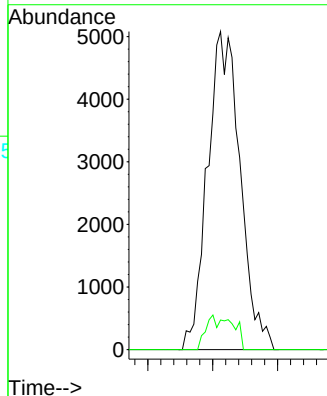
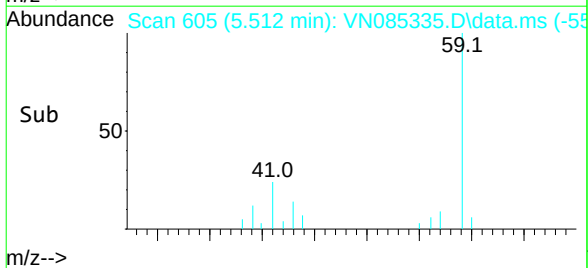
Reviewed By : John Carlone 12/30/2024
Supervised By : Mahesh Dadoda 12/30/2024

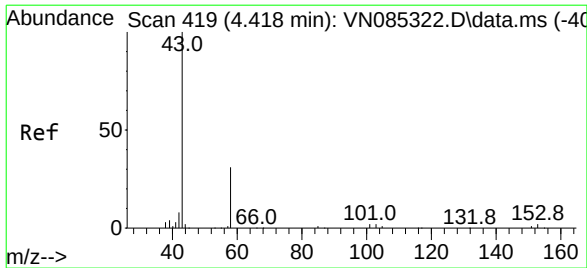


#11
Tert butyl alcohol
Concen: 65.704 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06



Tgt Ion: 59 Resp: 17796
Ion Ratio Lower Upper
59 100
57 3.7 8.1 12.1#





#16

Acetone

Concen: 4382.478 ug/l

RT: 4.418 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN085335.D

Acq: 27 Dec 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

MOO-24-00398

Tgt Ion: 43 Resp: 3117057

Ion Ratio Lower Upper

43 100

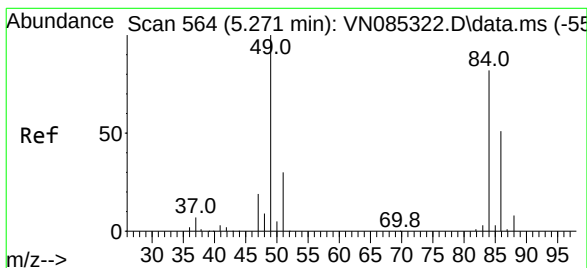
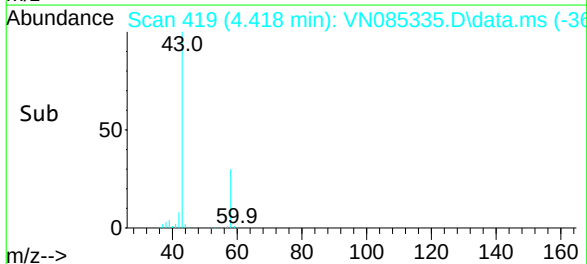
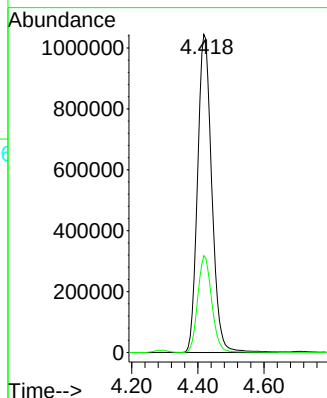
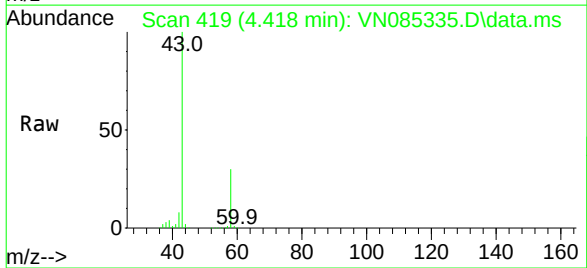
58 30.4 24.5 36.7

Manual Integrations

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#20

Methylene Chloride

Concen: 1.122 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.006 min

Lab File: VN085335.D

Acq: 27 Dec 2024 19:06

Tgt Ion: 84 Resp: 2147

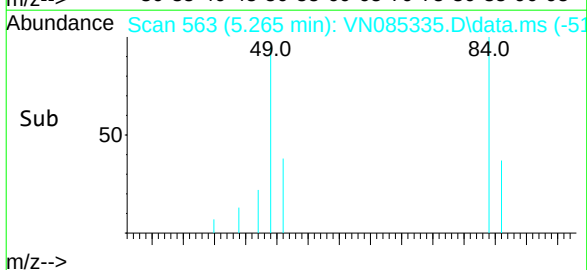
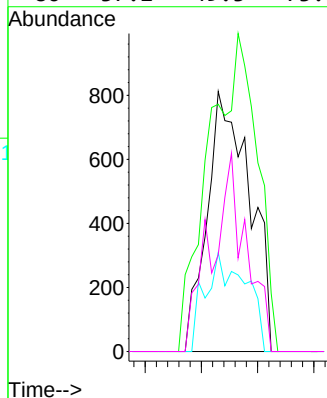
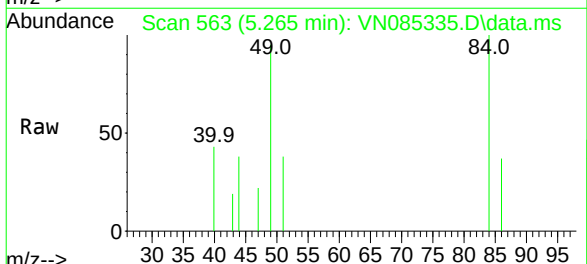
Ion Ratio Lower Upper

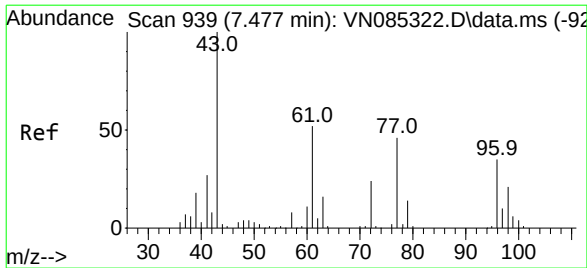
84 100

49 95.1 97.6 146.4#

51 38.1 29.1 43.7

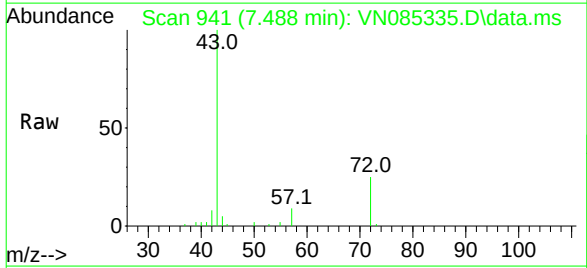
86 37.2 49.3 73.9#





#25
2-Butanone
Concen: 37.147 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

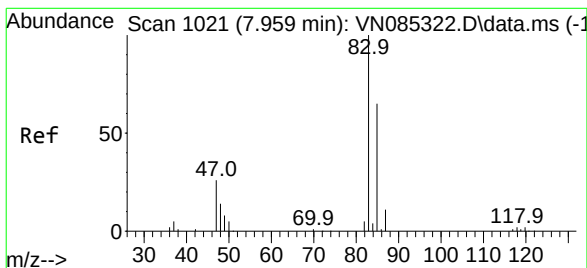
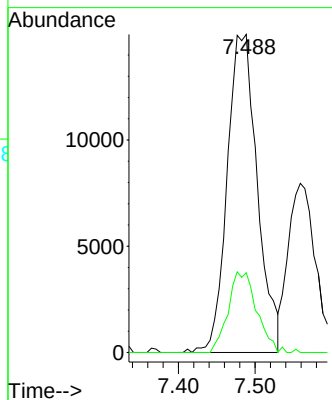
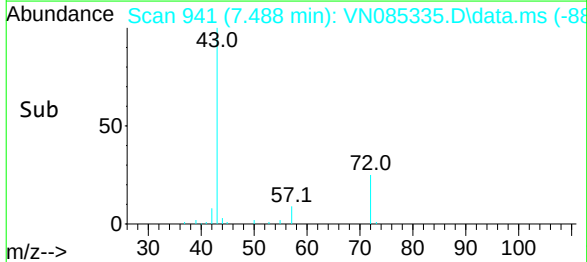
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00398



Tgt Ion: 43 Resp: 40989
Ion Ratio Lower Upper
43 100
72 25.1 19.6 29.4

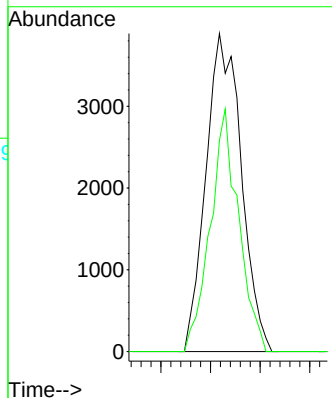
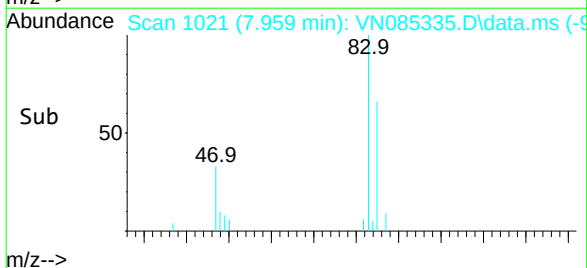
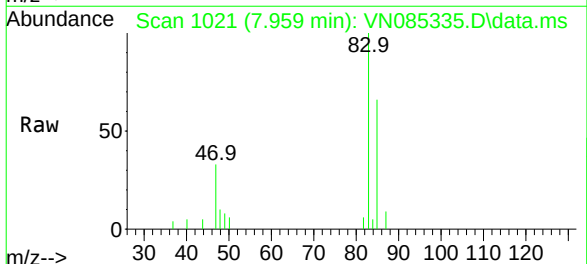
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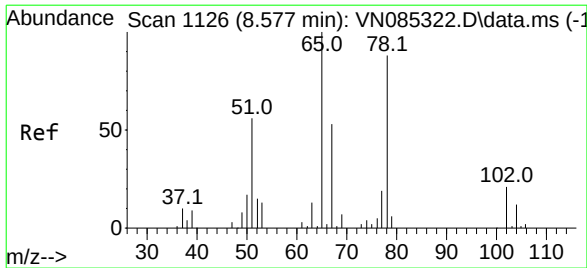
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#30
Chloroform
Concen: 2.685 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

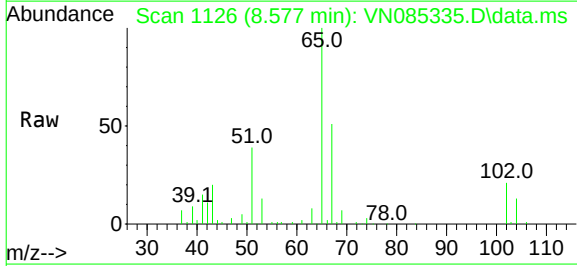
Tgt Ion: 83 Resp: 9619
Ion Ratio Lower Upper
83 100
85 66.4 52.0 78.0





#33
1,2-Dichloroethane-d4
Concen: 54.165 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

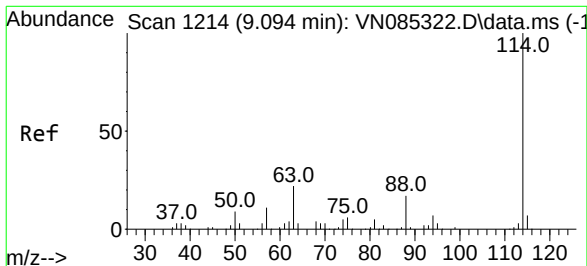
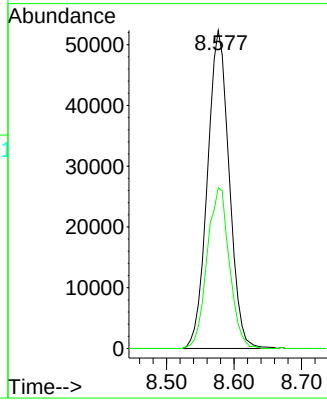
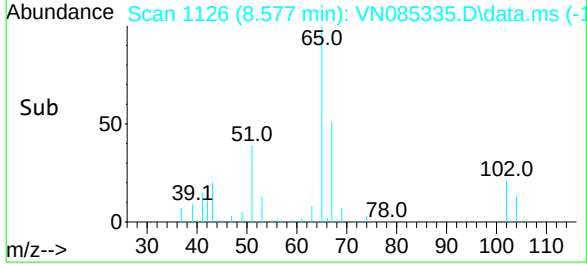
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00398



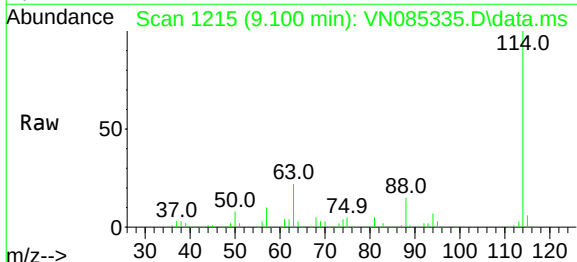
Tgt Ion: 65 Resp: 117158
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0

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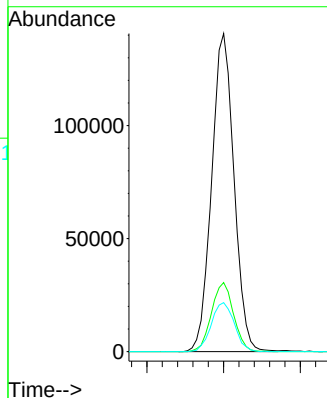
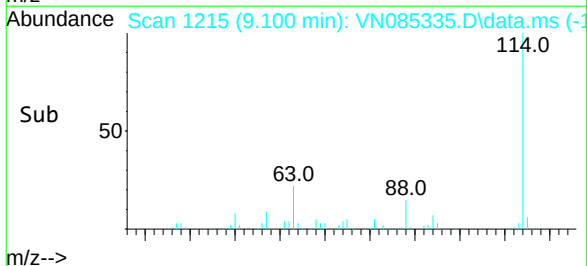
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

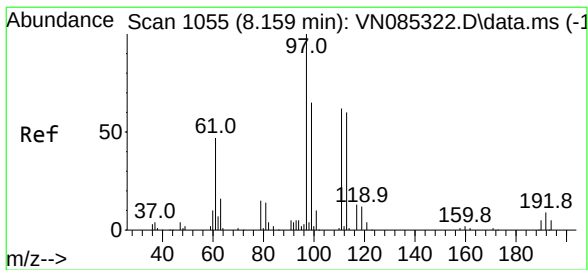


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06



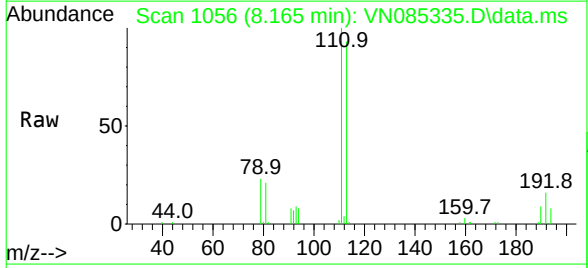
Tgt Ion:114 Resp: 284825
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.4
88 15.4 0.0 33.6





#35
 Dibromofluoromethane
 Concen: 50.754 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VN085335.D
 Acq: 27 Dec 2024 19:06

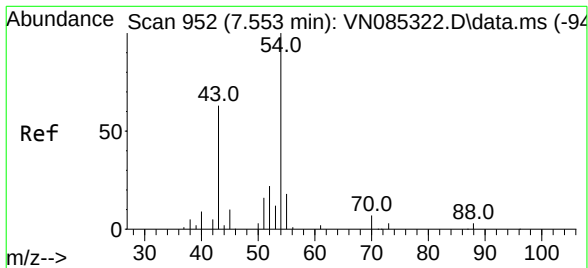
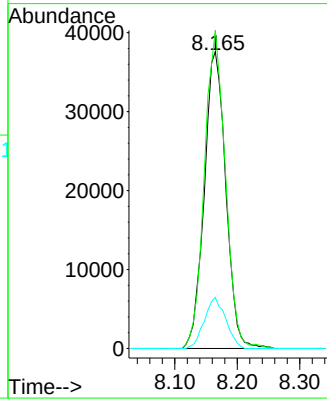
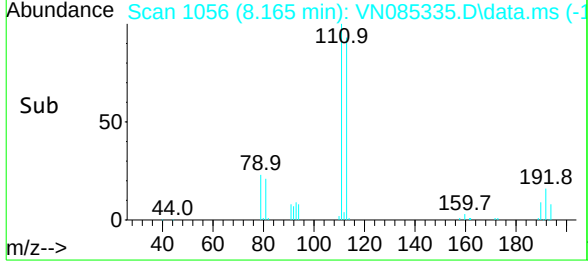
Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-24-00398



Tgt Ion:	113	Resp:	90185
Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.5	120.7
192	17.0	12.9	19.3

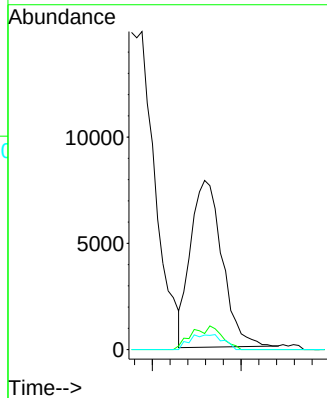
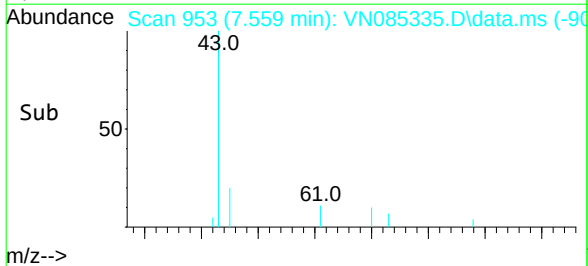
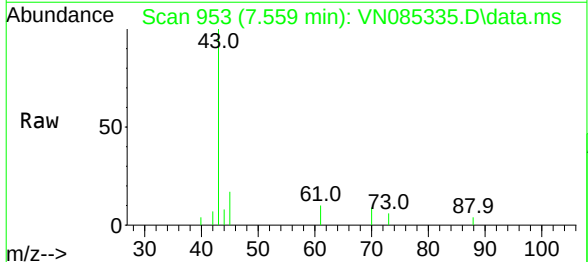
Manual Integrations
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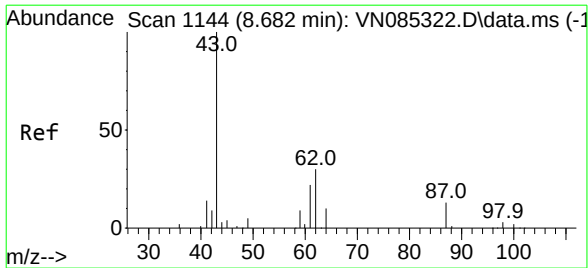
Reviewed By :John Carlone 12/30/2024
 Supervised By :Mahesh Dadoda 12/30/2024



#37
 Ethyl Acetate
 Concen: 7.520 ug/l
 RT: 7.559 min Scan# 953
 Delta R.T. 0.006 min
 Lab File: VN085335.D
 Acq: 27 Dec 2024 19:06

Tgt Ion:	43	Resp:	19445
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	9.4	8.2	12.2





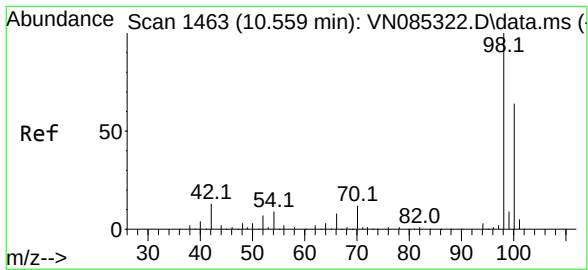
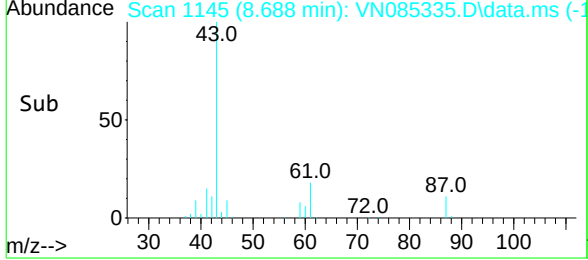
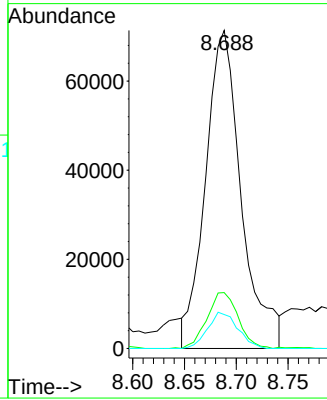
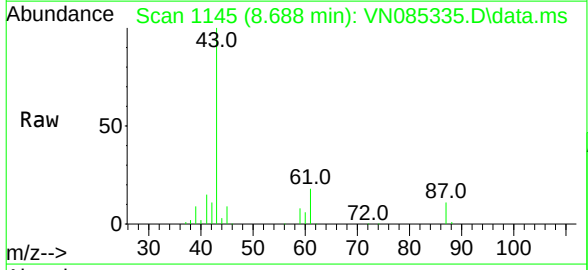
#43
Isopropyl Acetate
Concen: 40.367 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

Instrument : MSVOA_N
ClientSampleId : MOO-24-00398

Tgt Ion:	43	Resp:	171878
Ion	Ratio	Lower	Upper
43	100		
61	15.3	20.8	31.2
87	9.6	10.2	15.4

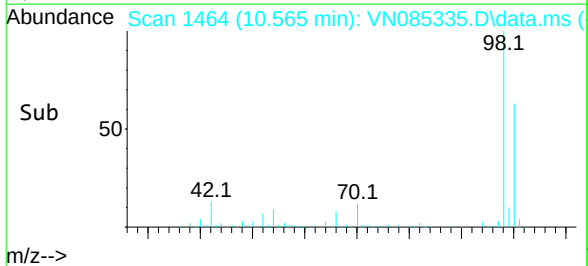
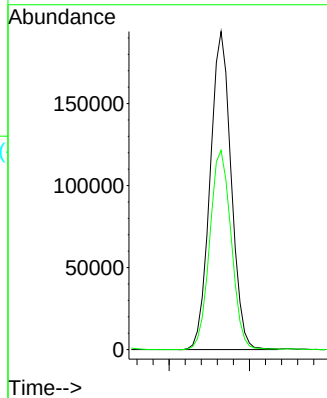
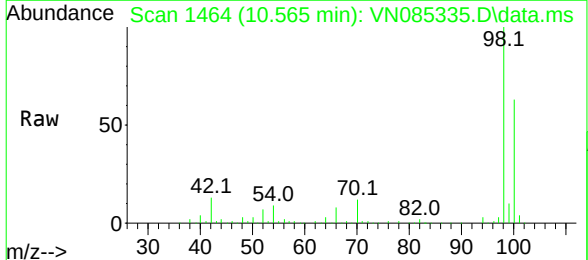
Manual Integrations
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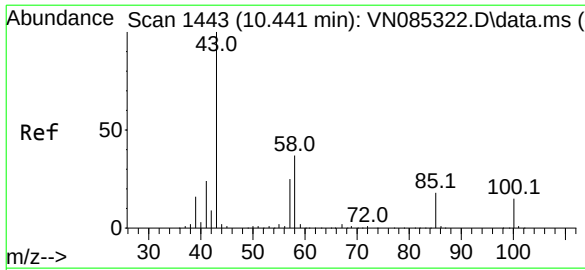
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#50
Toluene-d8
Concen: 54.146 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

Tgt Ion:	98	Resp:	353052
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.5	77.3





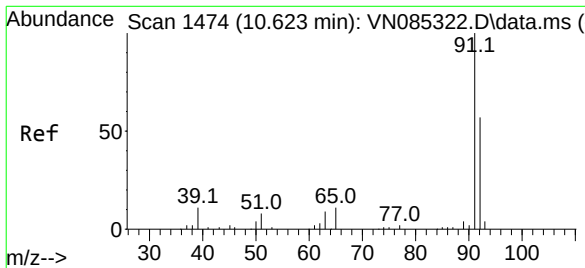
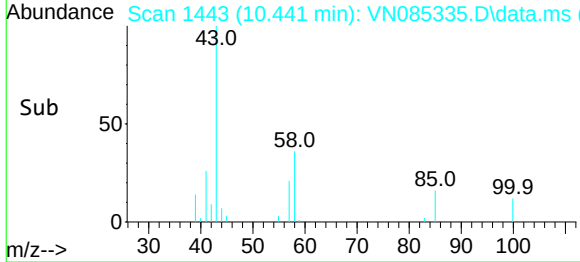
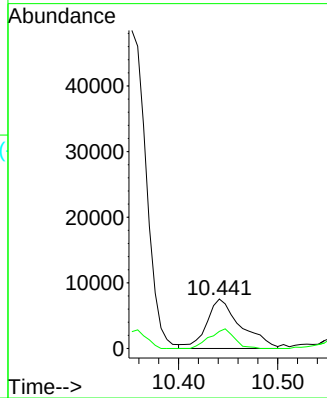
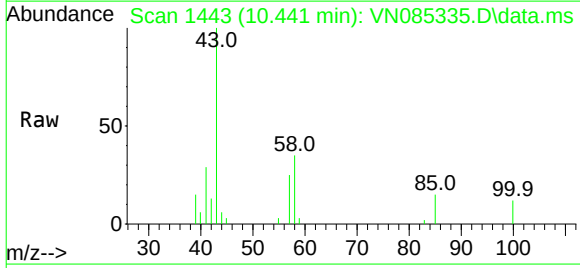
#51
4-Methyl-2-Pentanone
Concen: 7.510 ug/l m
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00398

Tgt Ion: 43 Resp: 17970
Ion Ratio Lower Upper
43 100
58 28.7 30.3 45.5#

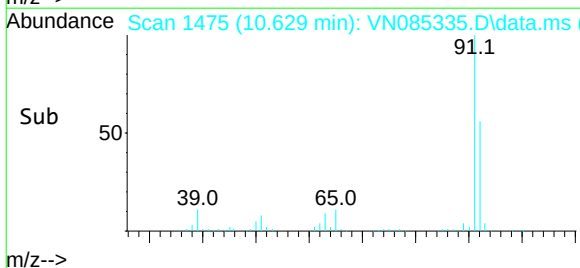
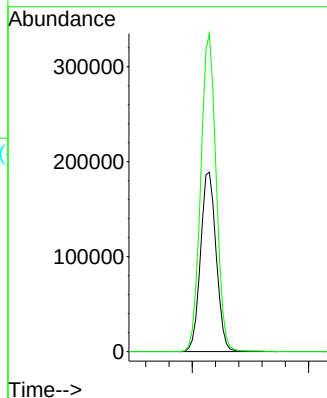
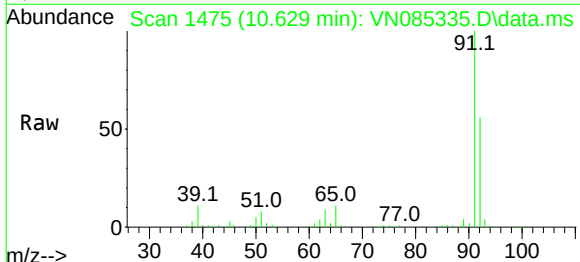
Manual Integrations
APPROVED

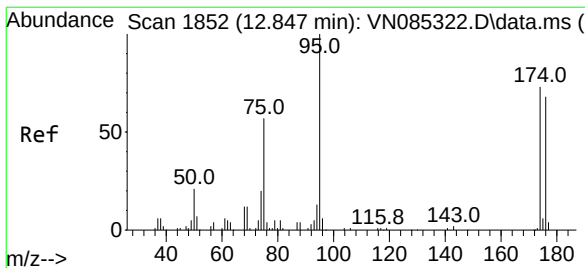
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#52
Toluene
Concen: 75.377 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

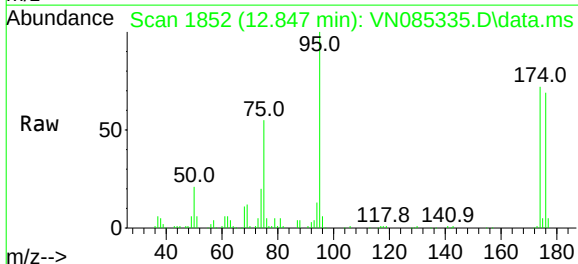
Tgt Ion: 92 Resp: 353040
Ion Ratio Lower Upper
92 100
91 174.8 140.2 210.4





#62
4-Bromofluorobenzene
Concen: 53.330 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

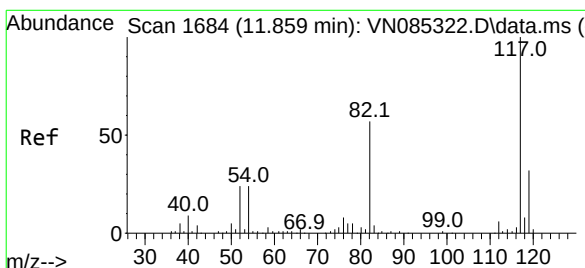
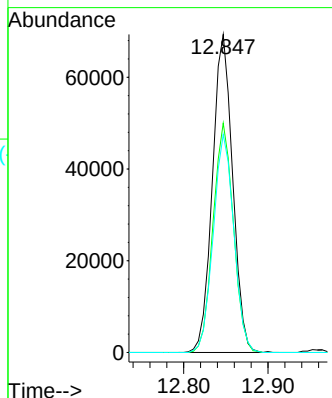
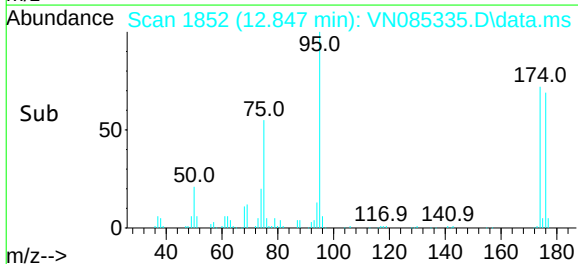
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00398



Tgt Ion: 95 Resp: 115485
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.2
176 69.8 0.0 135.8

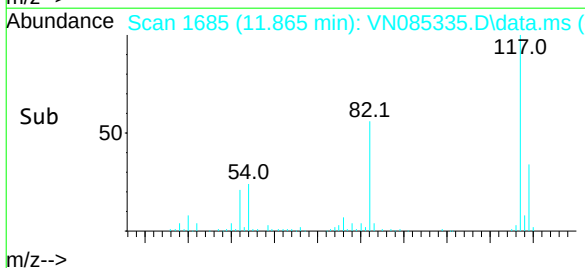
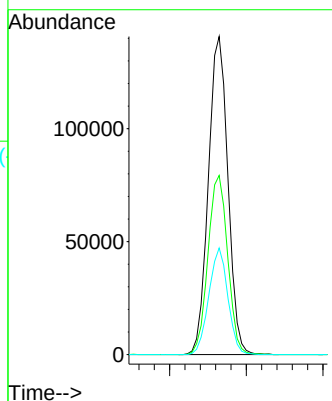
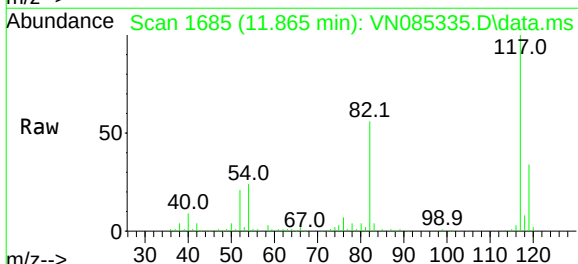
Manual Integrations
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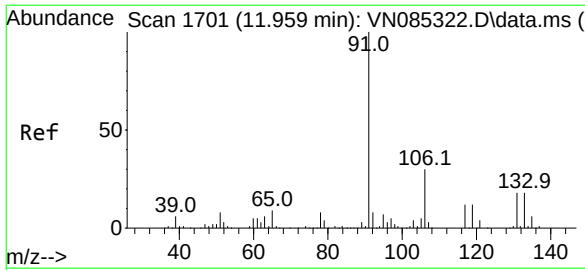
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

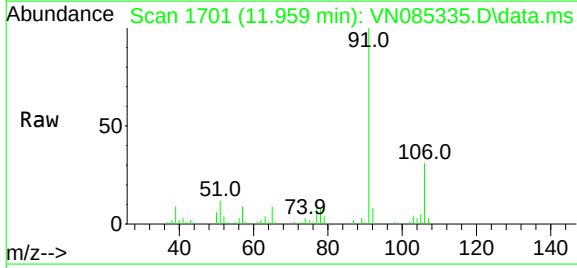
Tgt Ion:117 Resp: 249362
Ion Ratio Lower Upper
117 100
82 56.3 45.7 68.5
119 33.5 25.8 38.8





#67
Ethyl Benzene
Concen: 8.943 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

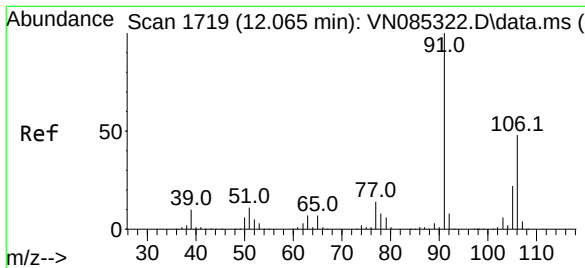
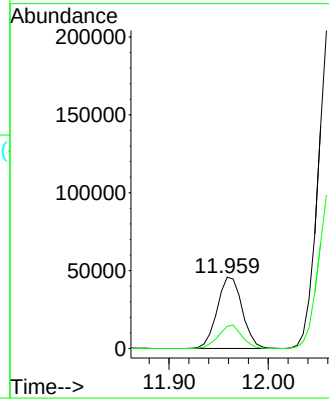
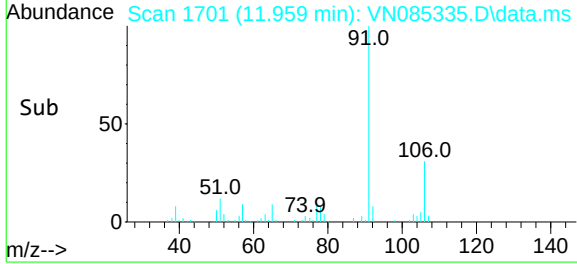
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00398



Tgt Ion: 91 Resp: 80142
Ion Ratio Lower Upper
91 100
106 31.1 24.0 36.0

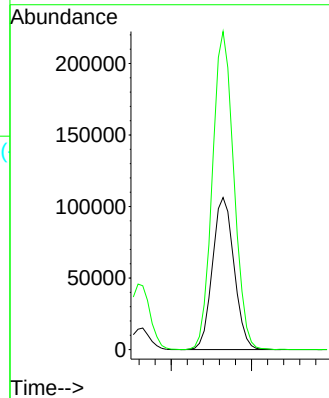
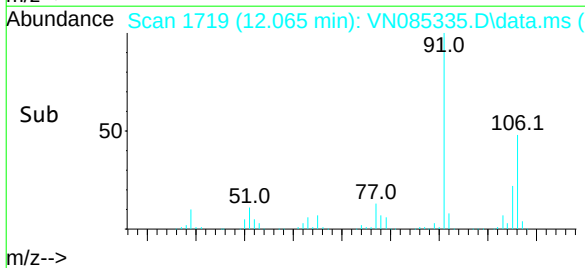
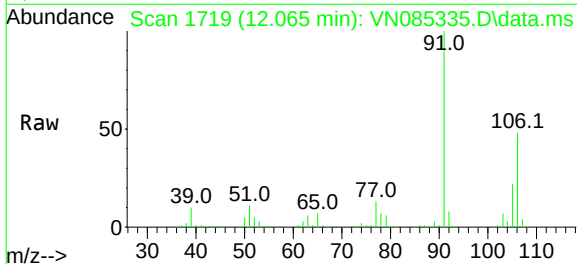
Manual Integrations
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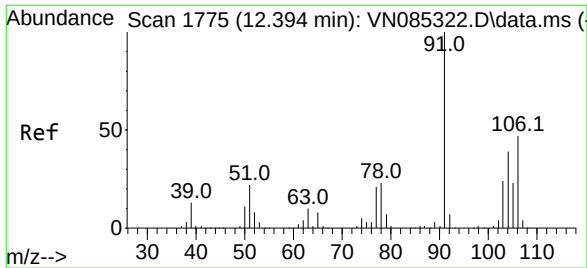
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#68
m/p-Xylenes
Concen: 60.525 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

Tgt Ion:106 Resp: 198497
Ion Ratio Lower Upper
106 100
91 207.6 165.2 247.8





#69

o-Xylene

Concen: 186.356 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN085335.D

Acq: 27 Dec 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

MOO-24-00398

Tgt Ion:106 Resp: 591224

Ion Ratio Lower Upper

106 100

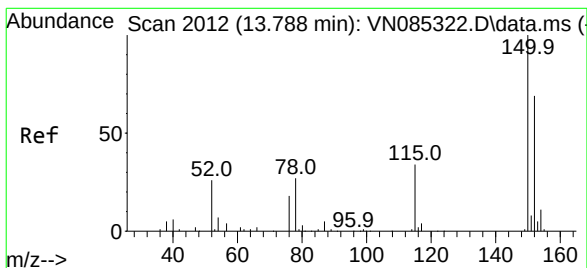
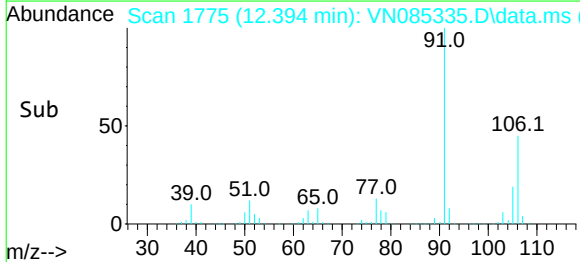
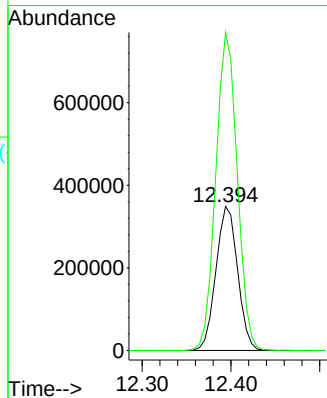
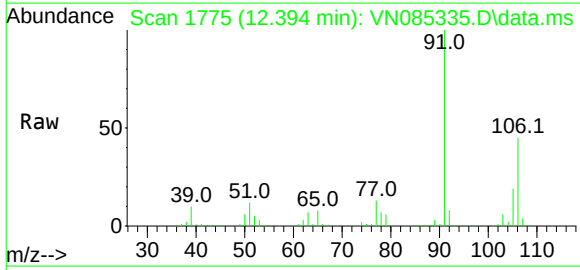
91 218.8 107.3 321.8

Manual Integrations

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Reviewed By :John Carlone 12/30/2024

Supervised By :Mahesh Dadoda 12/30/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085335.D

Acq: 27 Dec 2024 19:06

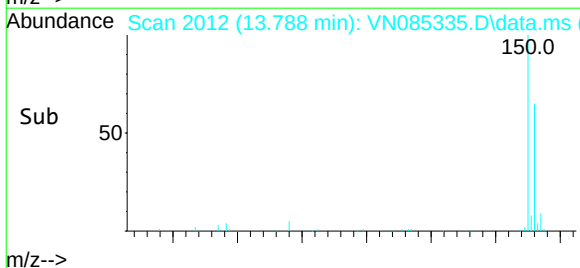
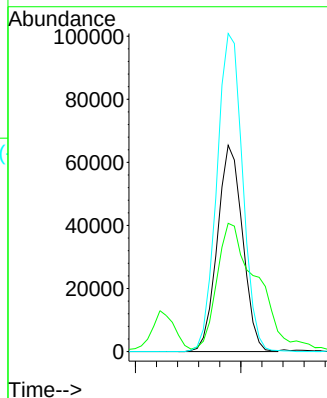
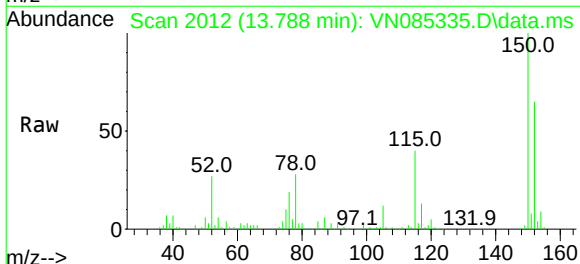
Tgt Ion:152 Resp: 109076

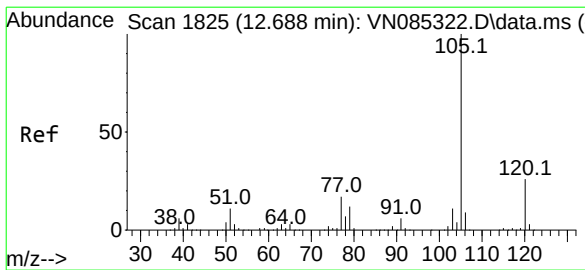
Ion Ratio Lower Upper

152 100

115 101.5 30.4 91.3#

150 157.5 0.0 345.0





#73

Isopropylbenzene

Concen: 20.105 ug/l

RT: 12.694 min Scan# 1825

Delta R.T. 0.006 min

Lab File: VN085335.D

Acq: 27 Dec 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

MOO-24-00398

Tgt Ion: 105 Resp: 157701

Ion Ratio Lower Upper

105 100

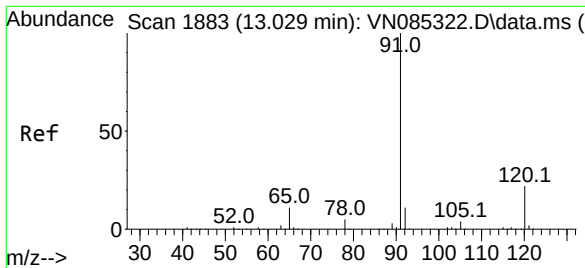
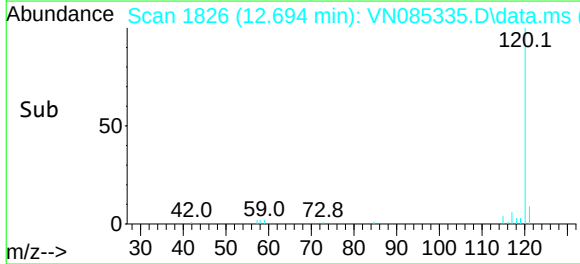
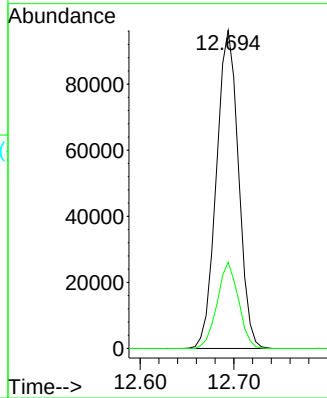
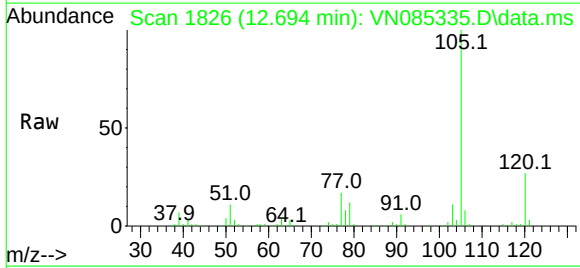
120 26.1 12.9 38.6

Manual Integrations

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Reviewed By :John Carlone 12/30/2024

Supervised By :Mahesh Dadoda 12/30/2024



#78

n-propylbenzene

Concen: 55.652 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.006 min

Lab File: VN085335.D

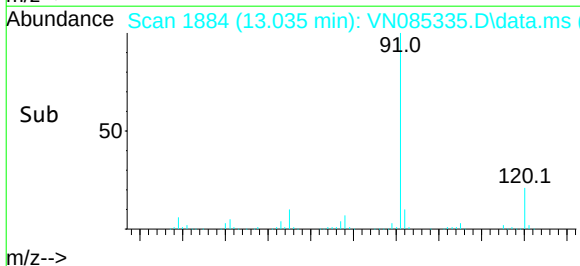
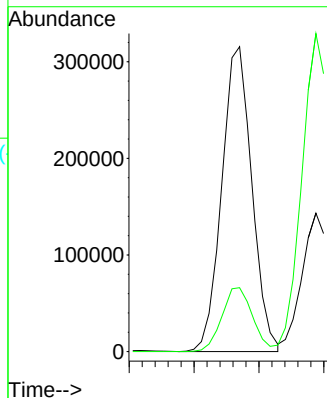
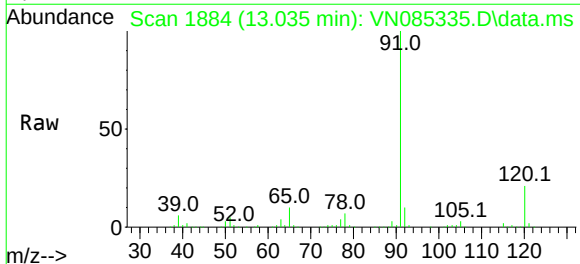
Acq: 27 Dec 2024 19:06

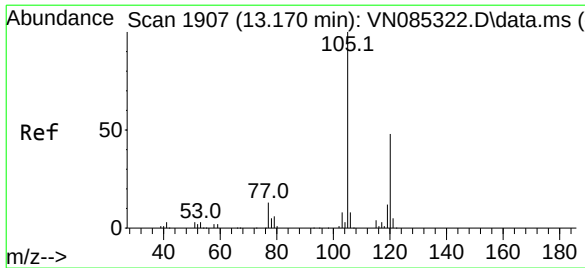
Tgt Ion: 91 Resp: 508829

Ion Ratio Lower Upper

91 100

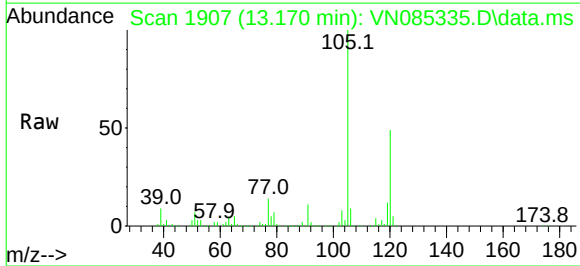
120 21.3 10.9 32.9





#80
1,3,5-Trimethylbenzene
Concen: 104.779 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06

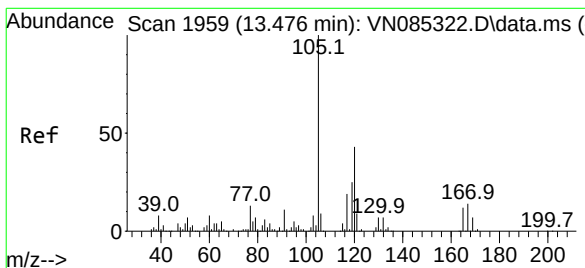
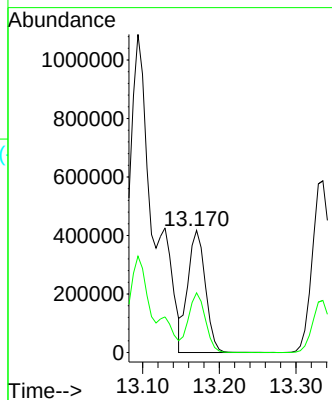
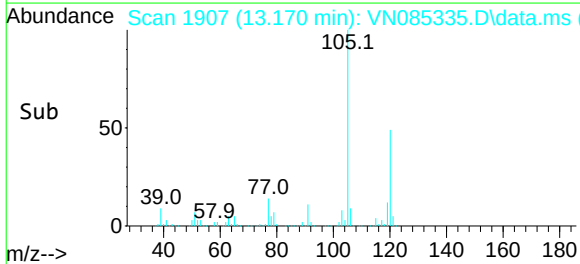
Instrument :
MSVOA_N
ClientSampleId :
MOO-24-00398



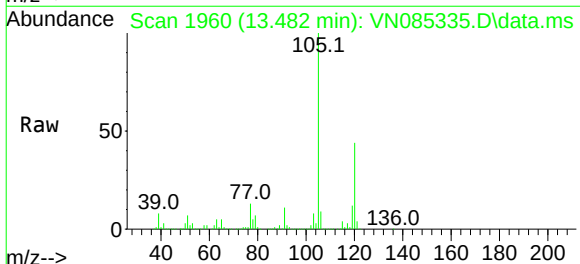
Tgt Ion:105 Resp: 664772
Ion Ratio Lower Upper
105 100
120 47.5 24.0 72.0

Manual Integrations
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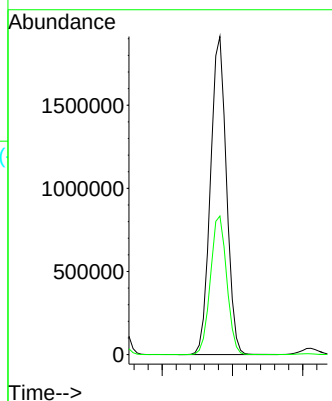
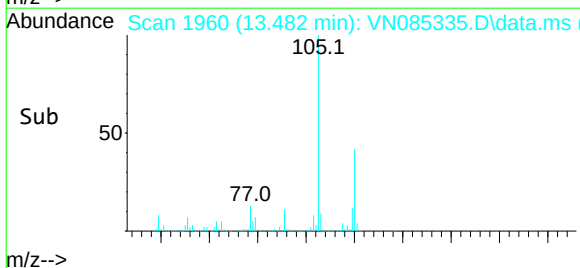
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

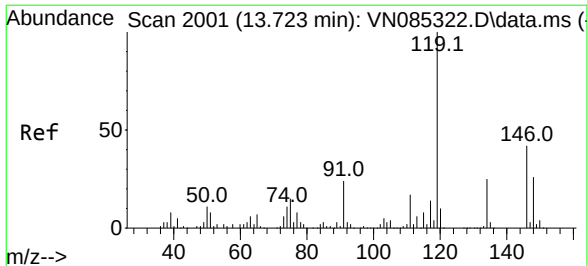


#84
1,2,4-Trimethylbenzene
Concen: 477.485 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085335.D
Acq: 27 Dec 2024 19:06



Tgt Ion:105 Resp: 3016491
Ion Ratio Lower Upper
105 100
120 44.5 21.7 65.1





#86

p-Isopropyltoluene

Concen: 37.043 ug/l

RT: 13.729 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN085335.D

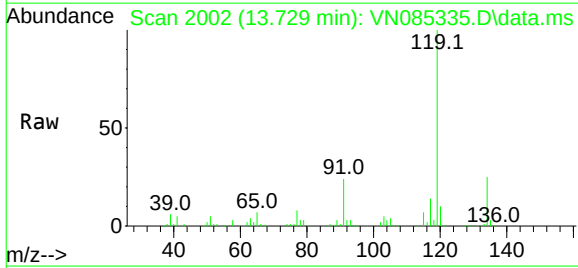
Acq: 27 Dec 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

MOO-24-00398



Tgt Ion:119 Resp: 248614

Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

91 25.7 12.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/30/2024

Supervised By :Mahesh Dadoda 12/30/2024

