

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX120224\
 Data File : VX044059.D
 Acq On : 02 Dec 2024 12:35
 Operator : JC/MD
 Sample : P5021-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/03/2024
 Supervised By : Mahesh Dadoda 12/03/2024

Quant Time: Dec 03 00:17:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	137934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	259323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	120664	51.003	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.000%			
35) Dibromofluoromethane	5.385	113	87992	47.486	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.980%			
50) Toluene-d8	8.647	98	312094	48.860	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.720%			
62) 4-Bromofluorobenzene	11.079	95	112955	51.961	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.920%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1101	0.599	ug/l #	70
16) Acetone	2.385	43	11520	10.602	ug/l	99
20) Methylene Chloride	2.788	84	1076	0.584	ug/l #	60
25) 2-Butanone	4.598	43	2407	1.717	ug/l	100
31) Cyclohexane	5.464	56	9063	3.437	ug/l #	87
39) Methylcyclohexane	7.378	83	15274	5.092	ug/l	93
40) Benzene	6.031	78	60252	8.377	ug/l	98
51) 4-Methyl-2-Pentanone	8.579	43	13000	4.670	ug/l	94
52) Toluene	8.720	92	5944	1.381	ug/l	92
67) Ethyl Benzene	10.195	91	16805	2.024	ug/l	97
68) m/p-Xylenes	10.299	106	10793	3.486	ug/l	94
69) o-Xylene	10.640	106	4394	1.453	ug/l	88
73) Isopropylbenzene	10.963	105	160755	20.500	ug/l	99
78) n-propylbenzene	11.299	91	426409	48.686	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	7363	1.141	ug/l	100
83) tert-Butylbenzene	11.713	119	2705	0.423	ug/l	83
84) 1,2,4-Trimethylbenzene	11.750	105	13524	2.106	ug/l	93
85) sec-Butylbenzene	11.890	105	26502	3.383	ug/l	94
89) n-Butylbenzene	12.329	91	12604m	2.246	ug/l	
95) Naphthalene	13.774	128	565313	77.471	ug/l	99

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

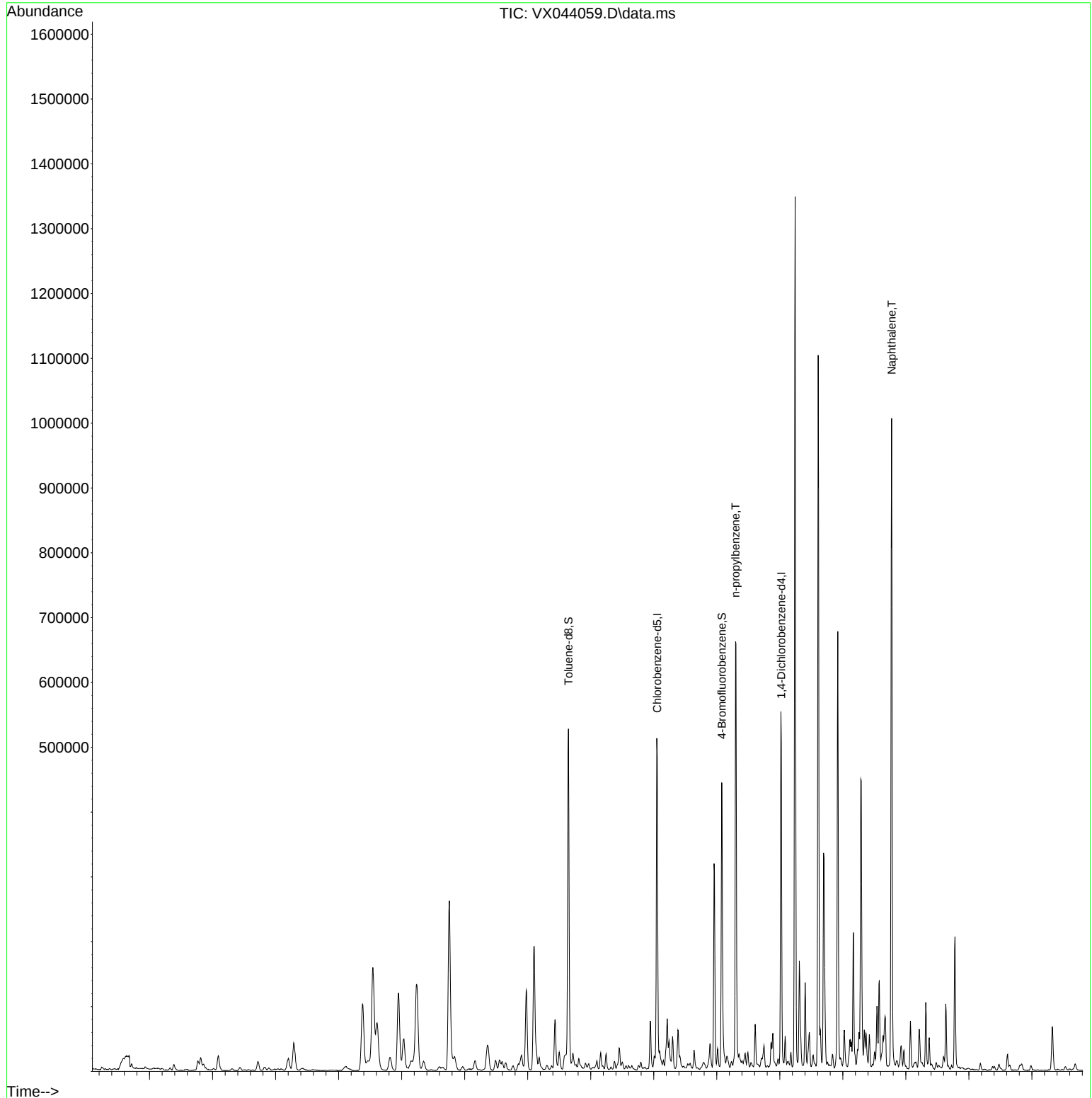
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120224\
Data File : VX044059.D
Acq On : 02 Dec 2024 12:35
Operator : JC/MD
Sample : P5021-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

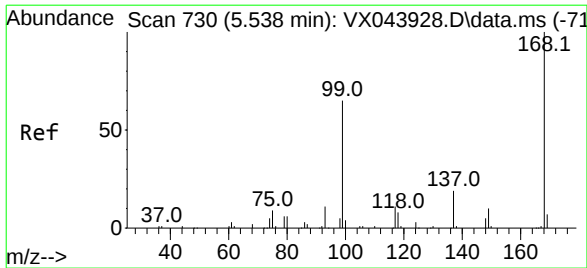
Instrument :
MSVOA_X
ClientSampleId :
MW-06

Manual Integrations
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Reviewed By : John Carlone 12/03/2024
Supervised By : Mahesh Dadoda 12/03/2024

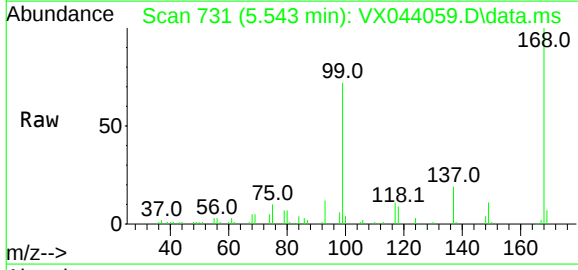
Quant Time: Dec 03 00:17:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.005 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

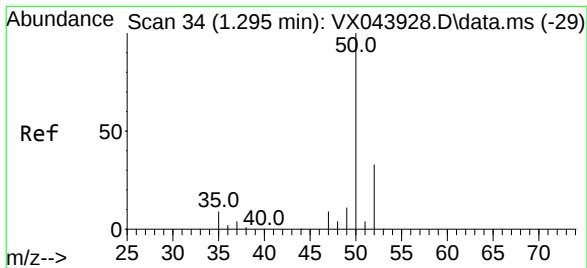
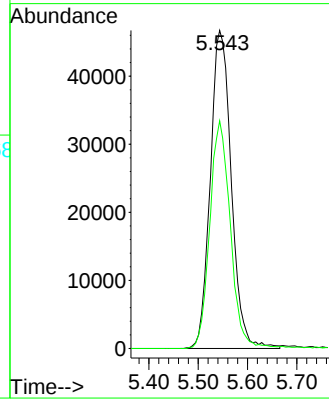
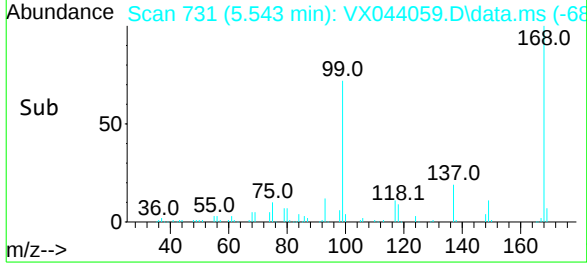
Instrument :
MSVOA_X
ClientSampleId :
MW-06



Tgt Ion: 168 Resp: 137934
Ion Ratio Lower Upper
168 100
99 71.6 51.8 77.8

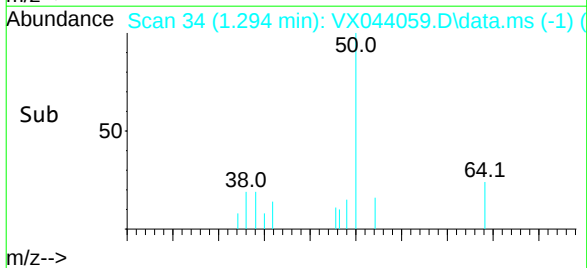
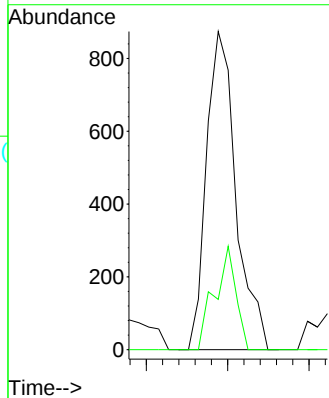
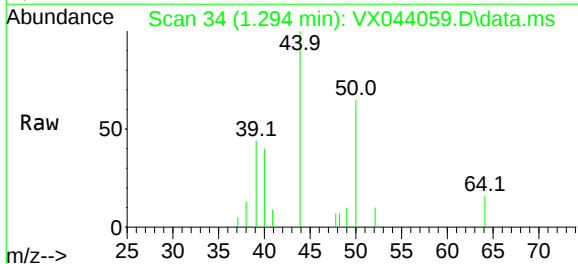
Manual Integrations
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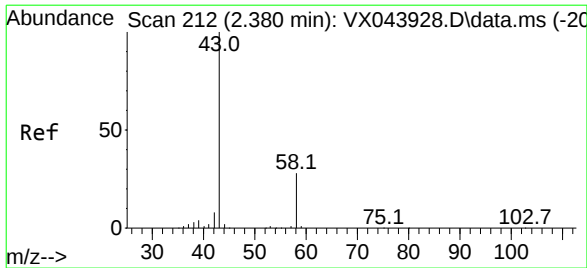
Reviewed By : John Carlone 12/03/2024
Supervised By : Mahesh Dadoda 12/03/2024



#3
Chloromethane
Concen: 0.599 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

Tgt Ion: 50 Resp: 1101
Ion Ratio Lower Upper
50 100
52 15.8 26.1 39.1#





#16

Acetone

Concen: 10.602 ug/l

RT: 2.385 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX044059.D

Acq: 02 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

MW-06

Tgt Ion: 43 Resp: 11520

Ion Ratio Lower Upper

43 100

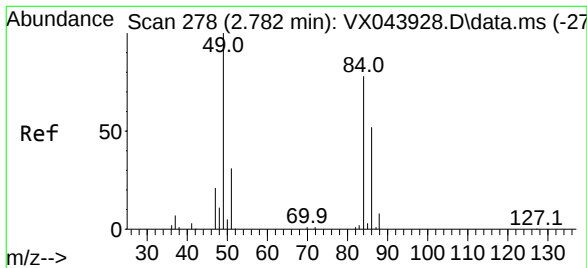
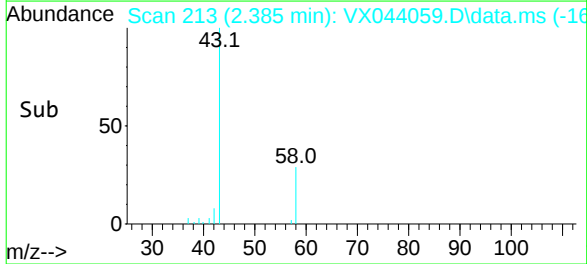
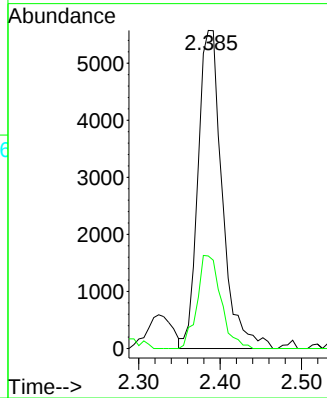
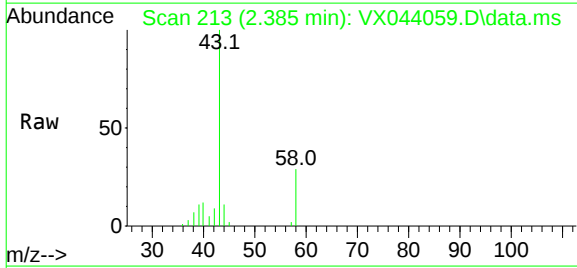
58 29.1 22.7 34.1

Manual Integrations

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Supervised By :Mahesh Dadoda 12/03/2024



#20

Methylene Chloride

Concen: 0.584 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX044059.D

Acq: 02 Dec 2024 12:35

Tgt Ion: 84 Resp: 1076

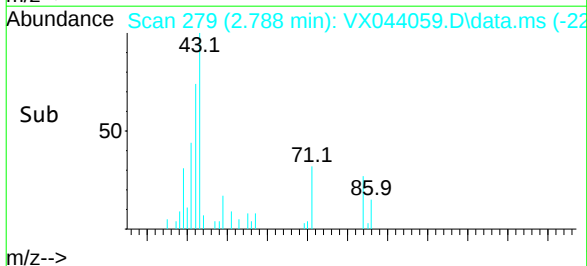
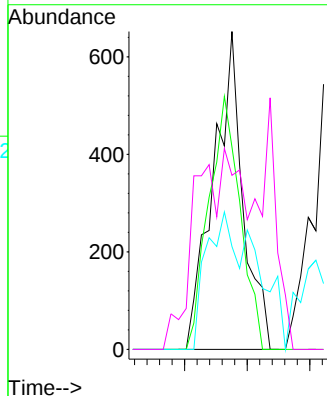
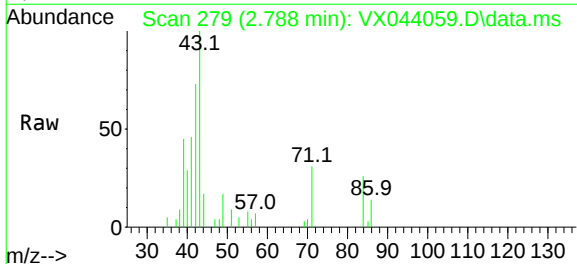
Ion Ratio Lower Upper

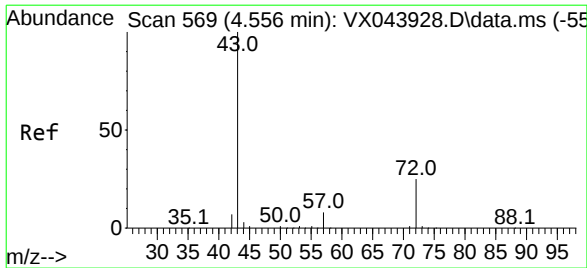
84 100

49 63.7 102.7 154.1#

51 32.4 31.7 47.5

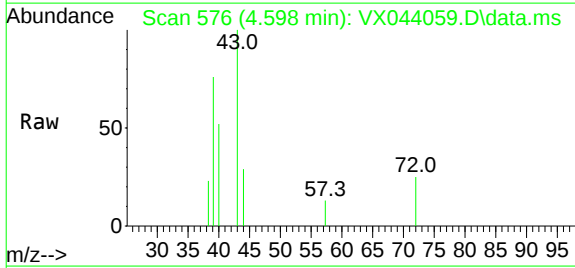
86 45.4 53.9 80.9#





#25
2-Butanone
Concen: 1.717 ug/l
RT: 4.598 min Scan# 571
Delta R.T. 0.042 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

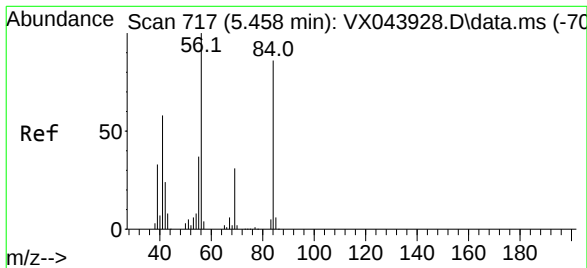
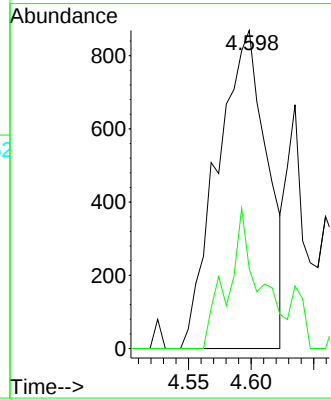
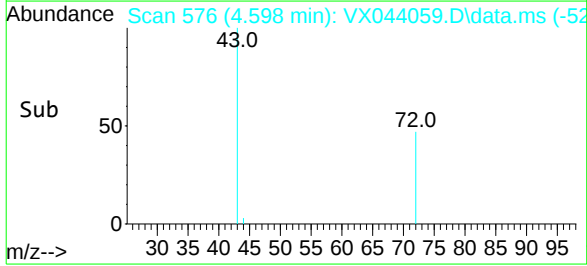
Instrument :
MSVOA_X
ClientSampleId :
MW-06



Tgt Ion: 43 Resp: 2407
Ion Ratio Lower Upper
43 100
72 25.1 20.2 30.2

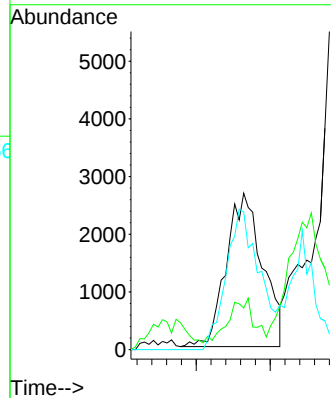
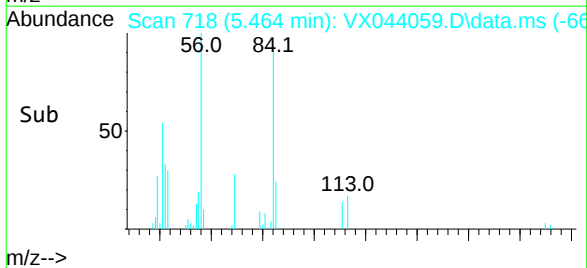
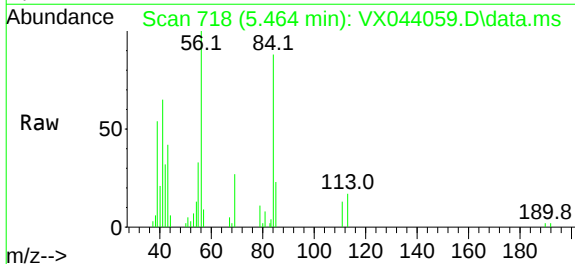
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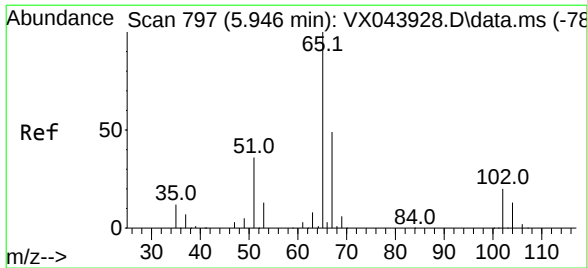
Reviewed By :John Carlone 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#31
Cyclohexane
Concen: 3.437 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

Tgt Ion: 56 Resp: 9063
Ion Ratio Lower Upper
56 100
69 9.7 24.7 37.1#
84 89.7 68.7 103.1





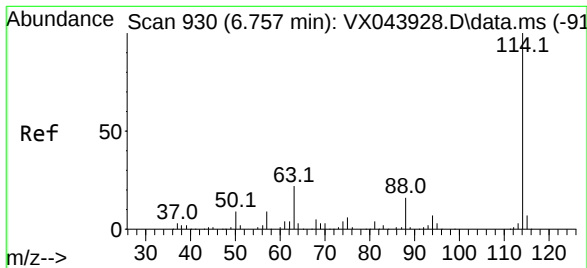
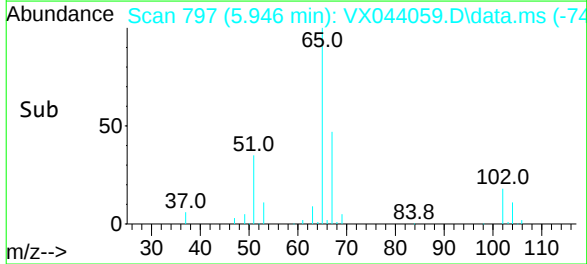
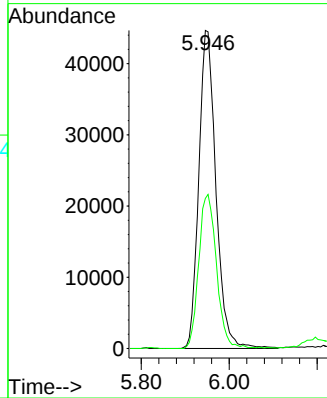
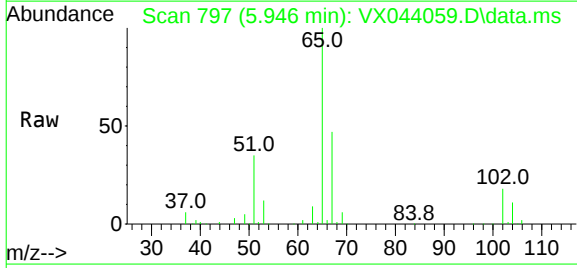
#33
1,2-Dichloroethane-d4
Concen: 51.003 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :
MW-06

Tgt Ion: 65 Resp: 120664
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.8

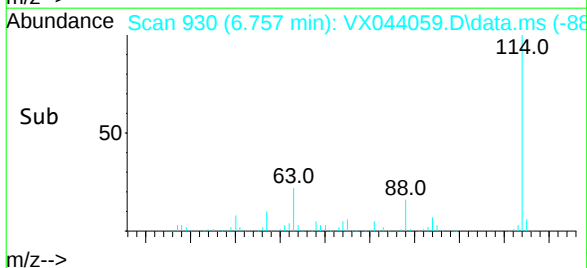
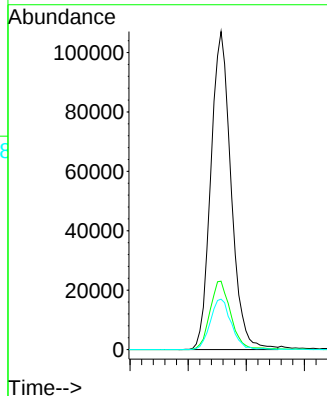
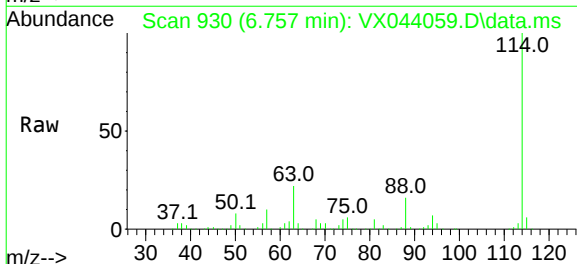
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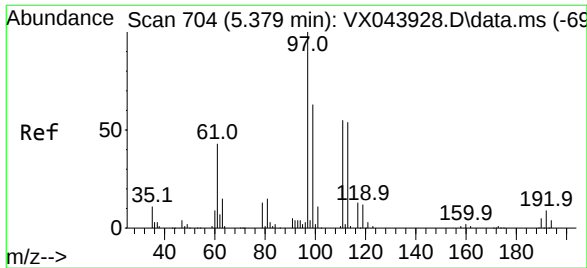
Reviewed By :John Carlone 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

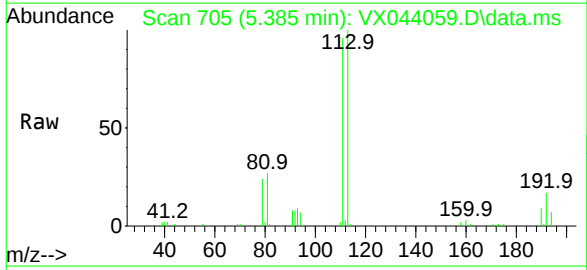
Tgt Ion:114 Resp: 259323
Ion Ratio Lower Upper
114 100
63 21.5 0.0 44.0
88 15.8 0.0 32.4





#35
Dibromofluoromethane
Concen: 47.486 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

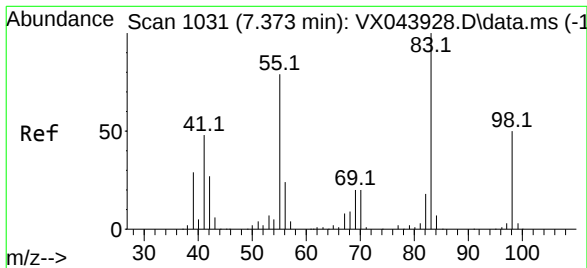
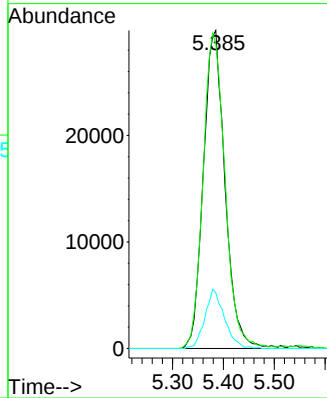
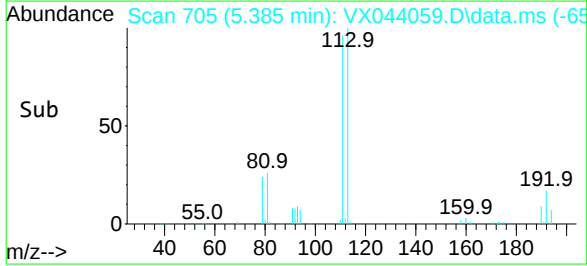
Instrument :
MSVOA_X
ClientSampleId :
MW-06



Tgt Ion:113 Resp: 87992
Ion Ratio Lower Upper
113 100
111 100.8 81.0 121.4
192 16.8 13.0 19.6

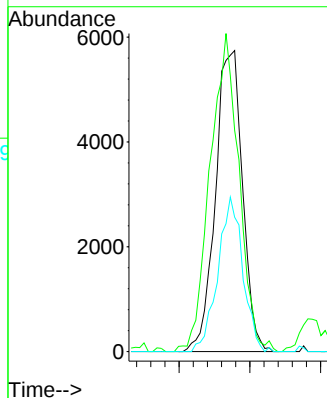
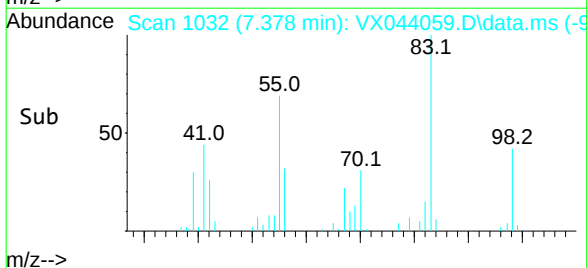
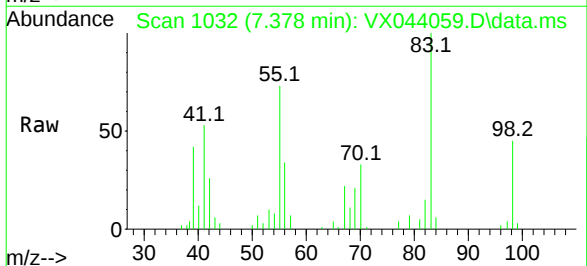
Manual Integrations
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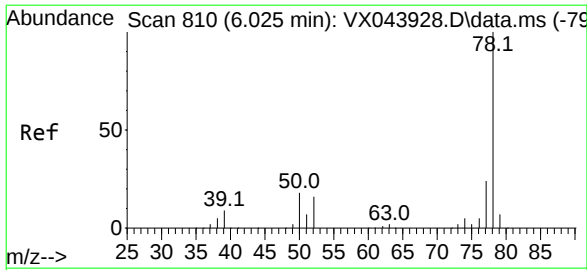
Reviewed By :John Carlone 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#39
Methylcyclohexane
Concen: 5.092 ug/l
RT: 7.378 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

Tgt Ion: 83 Resp: 15274
Ion Ratio Lower Upper
83 100
55 73.5 63.1 94.7
98 44.6 40.0 60.0





#40

Benzene

Concen: 8.377 ug/l

RT: 6.031 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX044059.D

Acq: 02 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

MW-06

Tgt Ion: 78 Resp: 60252

Ion Ratio Lower Upper

78 100

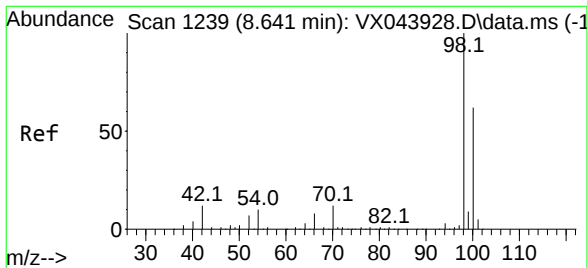
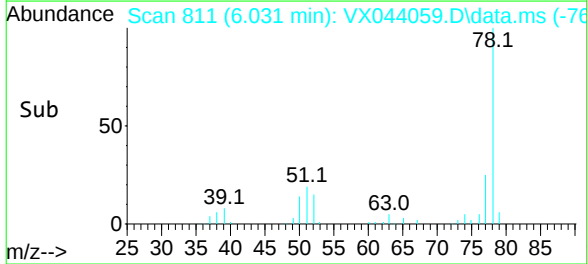
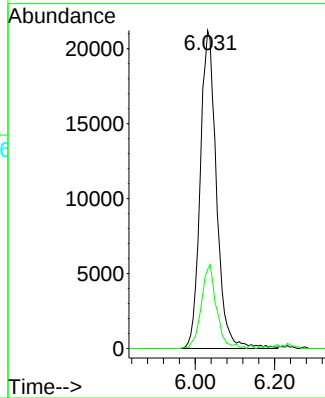
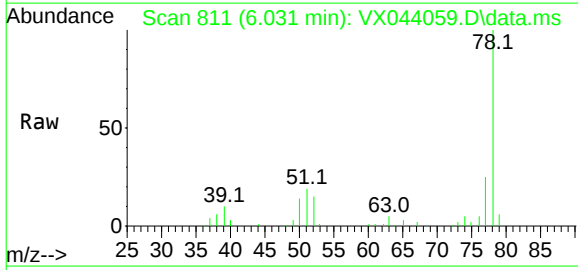
77 24.8 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#50

Toluene-d8

Concen: 48.860 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044059.D

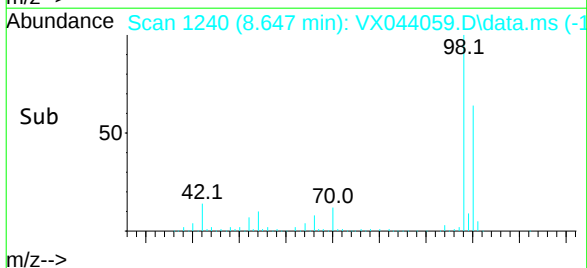
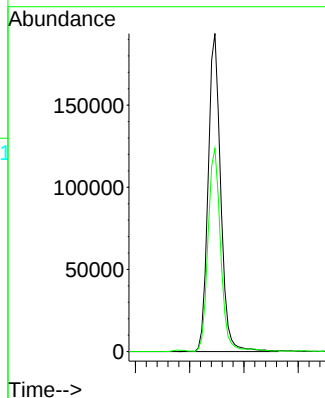
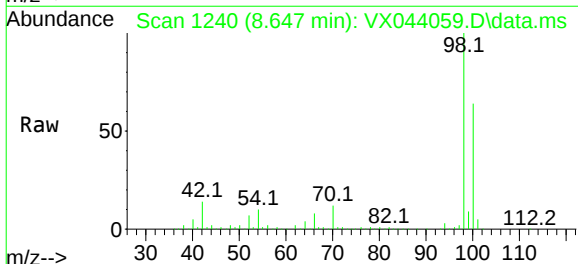
Acq: 02 Dec 2024 12:35

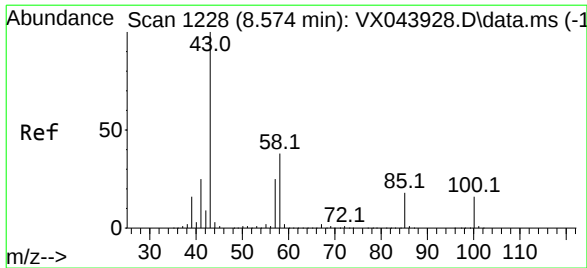
Tgt Ion: 98 Resp: 312094

Ion Ratio Lower Upper

98 100

100 63.9 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 4.670 ug/l

RT: 8.579 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX044059.D

Acq: 02 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

MW-06

Tgt Ion: 43 Resp: 13000

Ion Ratio Lower Upper

43 100

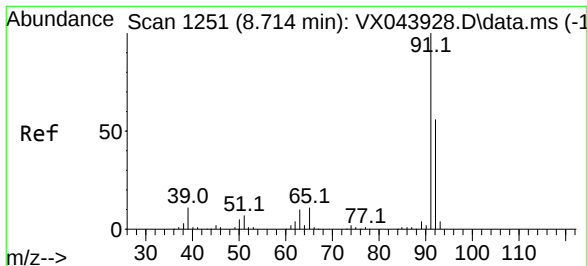
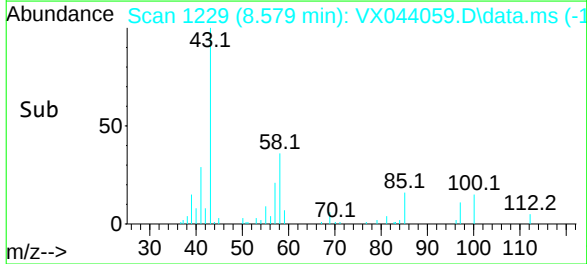
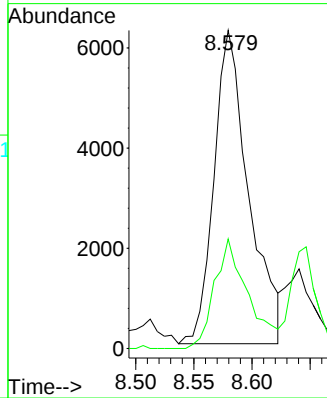
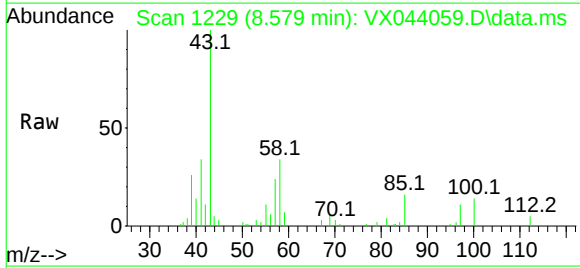
58 33.7 30.0 45.0

Manual Integrations

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Reviewed By :John Carlone 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#52

Toluene

Concen: 1.381 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX044059.D

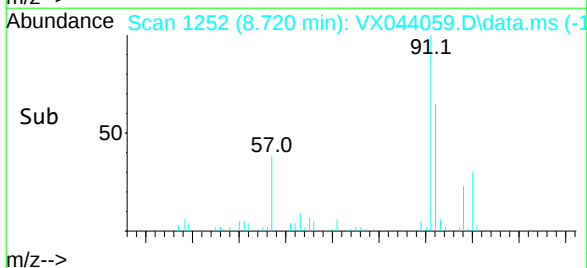
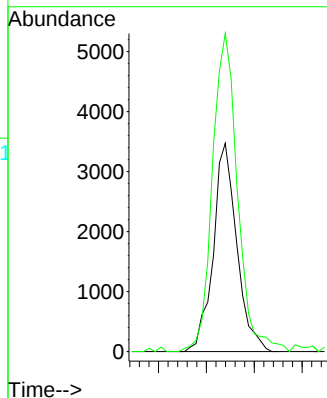
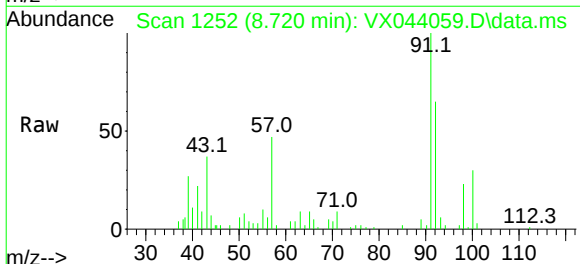
Acq: 02 Dec 2024 12:35

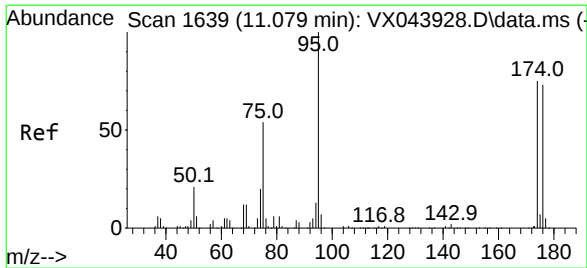
Tgt Ion: 92 Resp: 5944

Ion Ratio Lower Upper

92 100

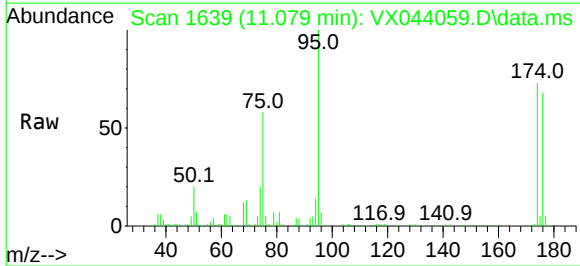
91 162.9 139.7 209.5





#62
4-Bromofluorobenzene
Concen: 51.961 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

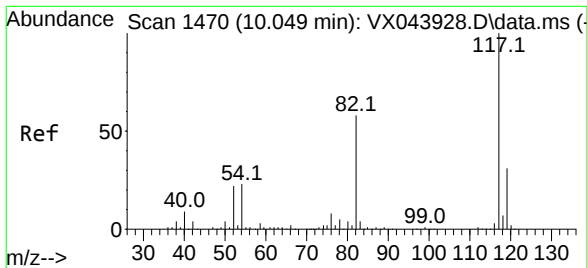
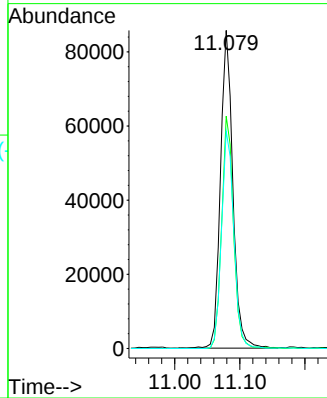
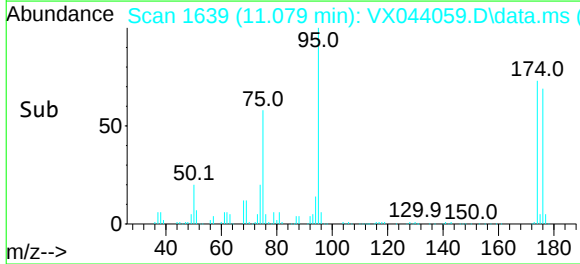
Instrument :
MSVOA_X
ClientSampleId :
MW-06



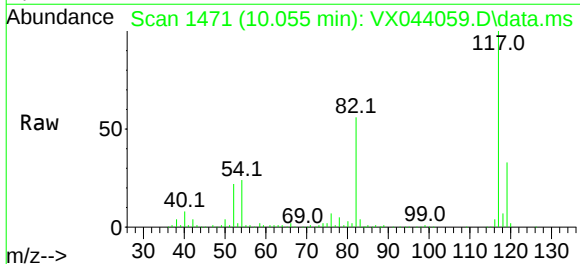
Tgt Ion: 95 Resp: 112955
Ion Ratio Lower Upper
95 100
174 70.0 0.0 150.4
176 67.9 0.0 146.0

Manual Integrations
APPROVED

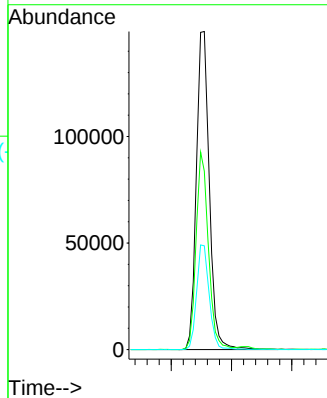
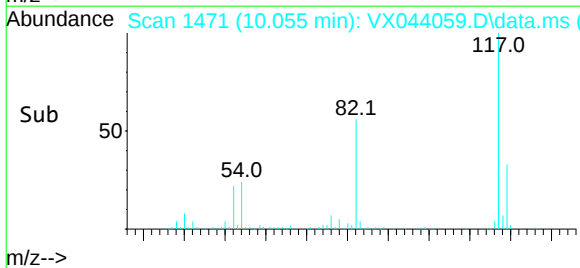
Reviewed By :John Carlone 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

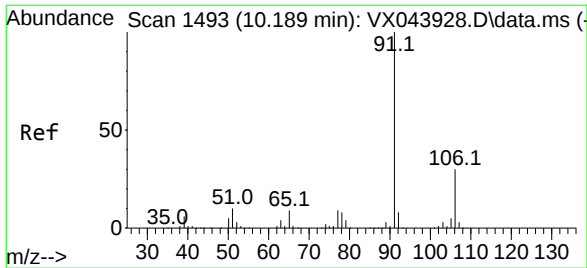


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35



Tgt Ion:117 Resp: 223099
Ion Ratio Lower Upper
117 100
82 56.1 46.4 69.6
119 32.6 24.6 37.0





#67

Ethyl Benzene

Concen: 2.024 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX044059.D

Acq: 02 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

MW-06

Tgt Ion: 91 Resp: 16805

Ion Ratio Lower Upper

91 100

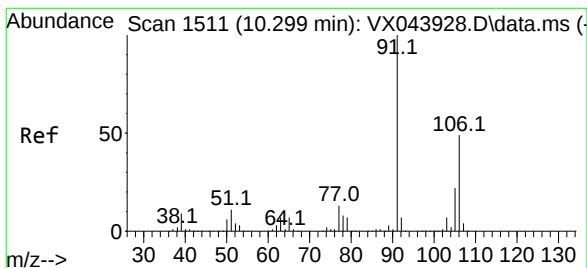
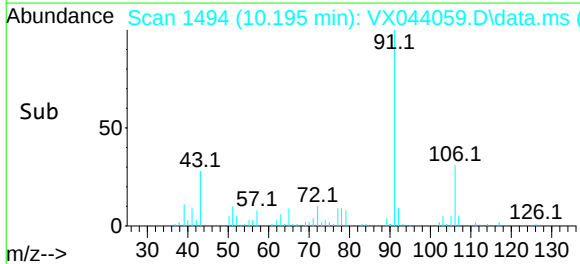
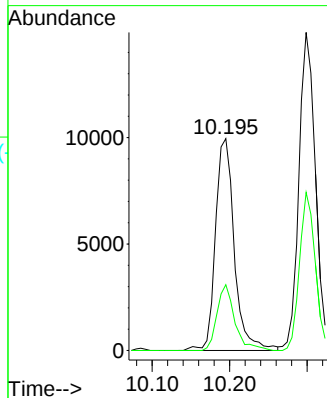
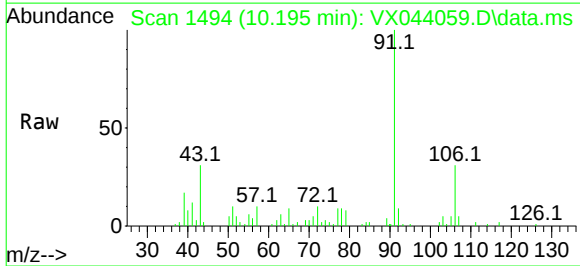
106 31.1 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#68

m/p-Xylenes

Concen: 3.486 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044059.D

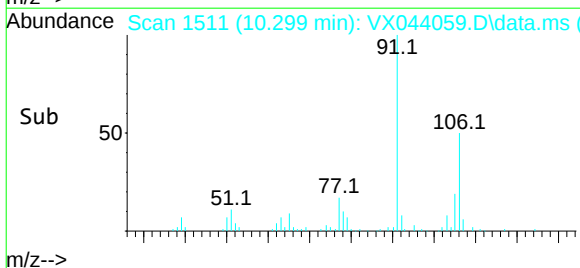
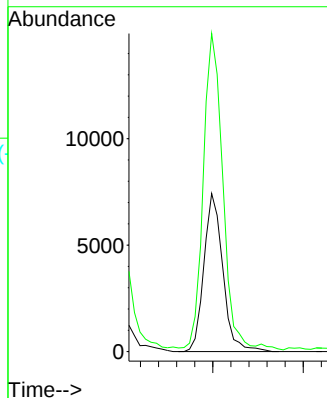
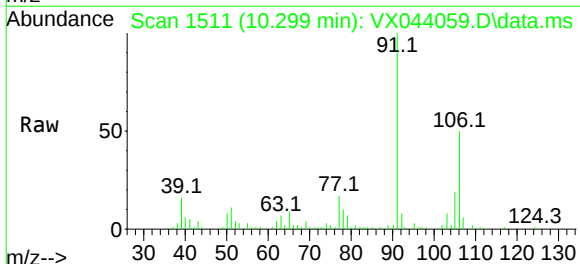
Acq: 02 Dec 2024 12:35

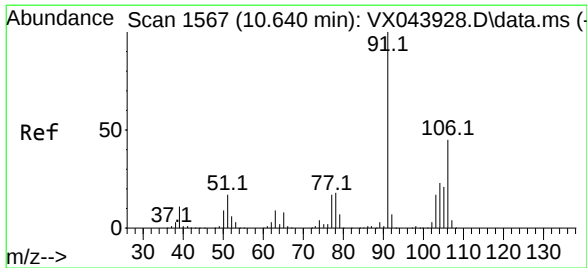
Tgt Ion:106 Resp: 10793

Ion Ratio Lower Upper

106 100

91 201.1 168.1 252.1





#69

o-Xylene

Concen: 1.453 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044059.D

Acq: 02 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

MW-06

Tgt Ion:106 Resp: 4394

Ion Ratio Lower Upper

106 100

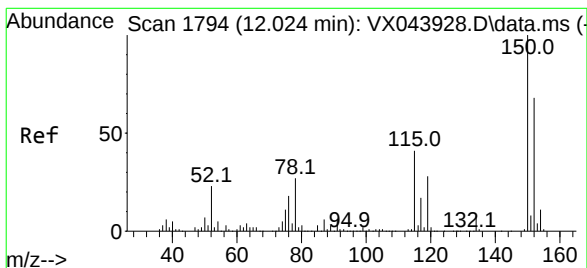
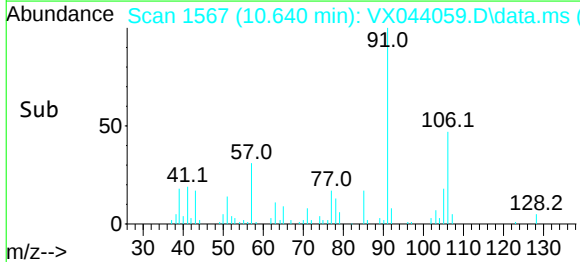
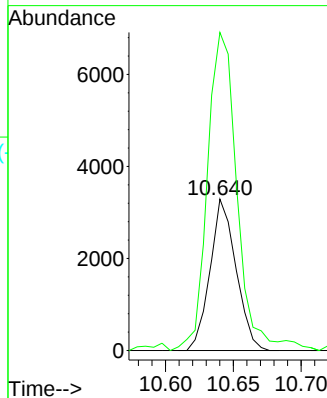
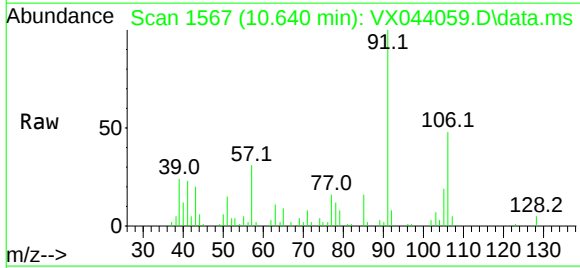
91 239.9 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX044059.D

Acq: 02 Dec 2024 12:35

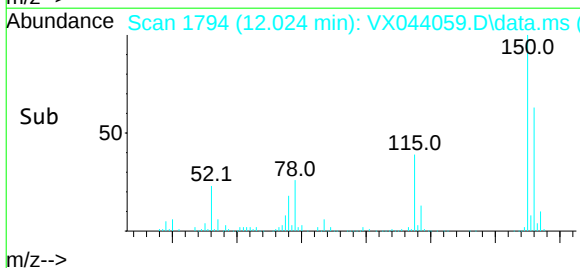
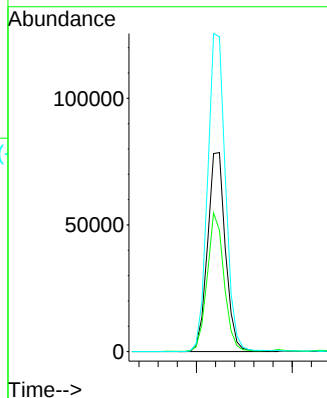
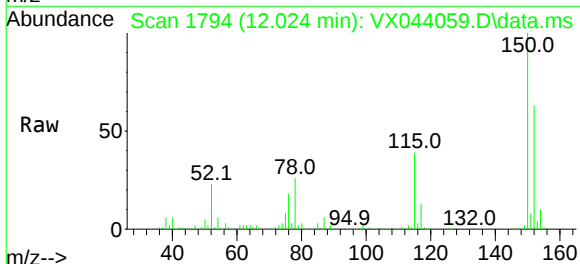
Tgt Ion:152 Resp: 102016

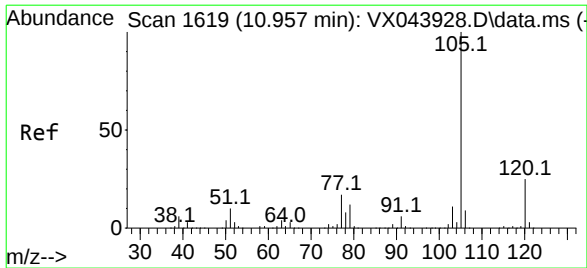
Ion Ratio Lower Upper

152 100

115 66.0 45.4 136.2

150 160.4 0.0 353.0





#73

Isopropylbenzene

Concen: 20.500 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044059.D

Acq: 02 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

MW-06

Tgt Ion:105 Resp: 160755

Ion Ratio Lower Upper

105 100

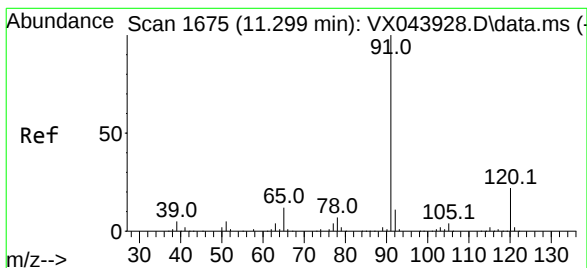
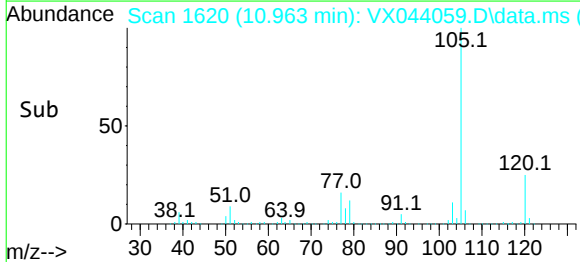
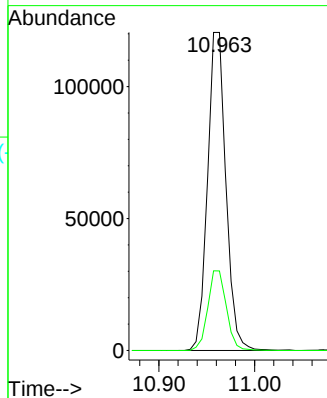
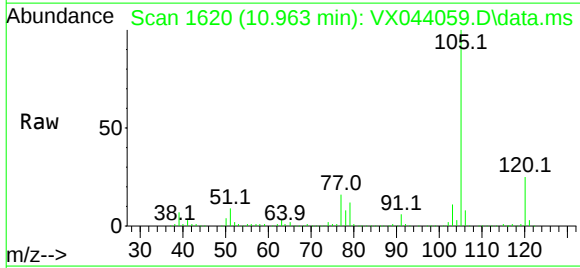
120 25.4 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#78

n-propylbenzene

Concen: 48.686 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX044059.D

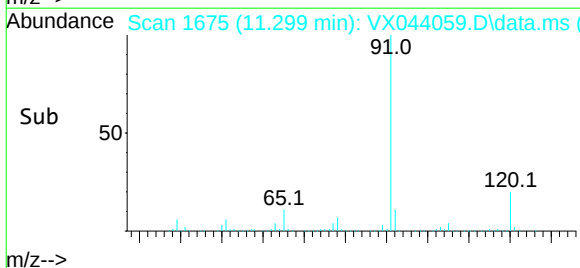
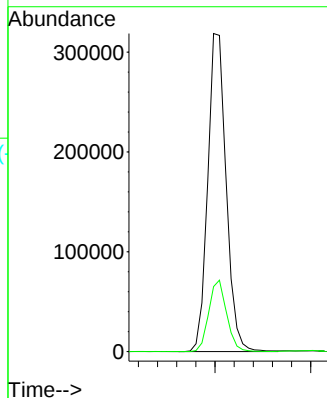
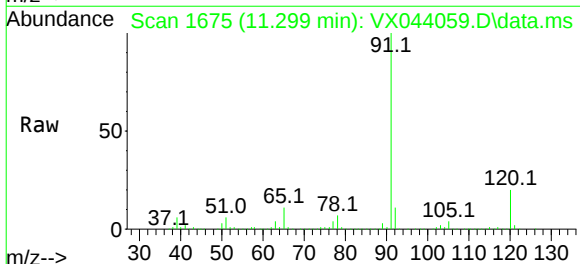
Acq: 02 Dec 2024 12:35

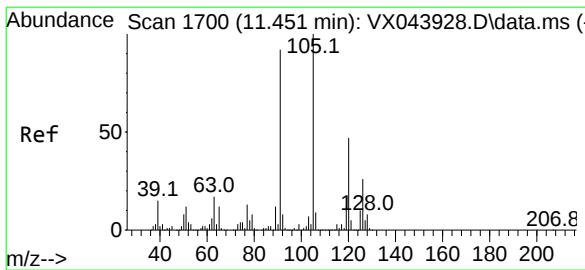
Tgt Ion: 91 Resp: 426409

Ion Ratio Lower Upper

91 100

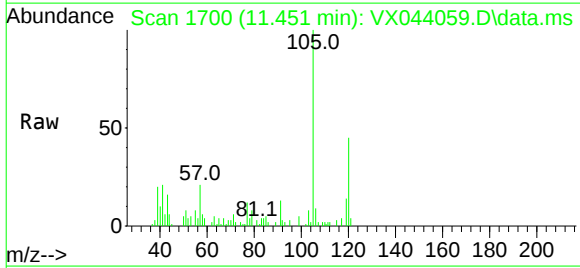
120 21.7 11.5 34.4





#80
1,3,5-Trimethylbenzene
Concen: 1.141 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

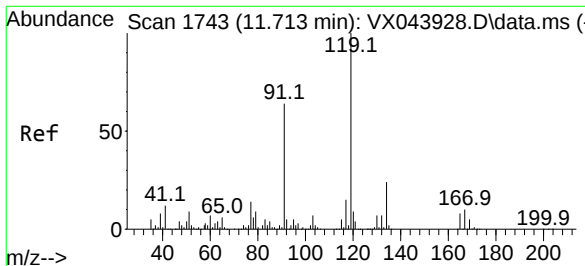
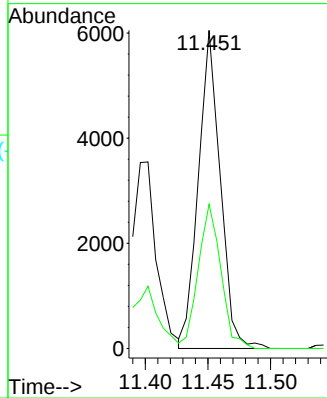
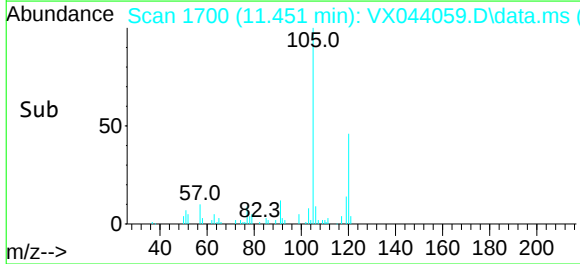
Instrument :
MSVOA_X
ClientSampleId :
MW-06



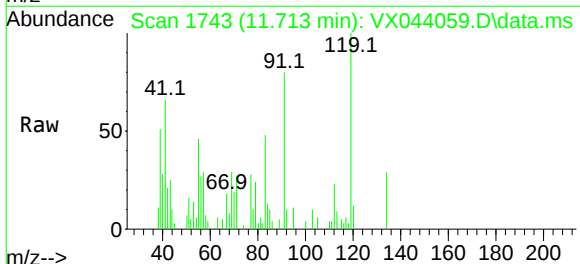
Tgt Ion:105 Resp: 7363
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.8

Manual Integrations
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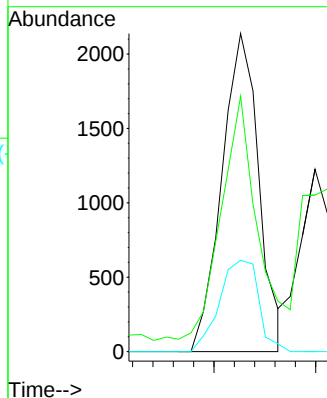
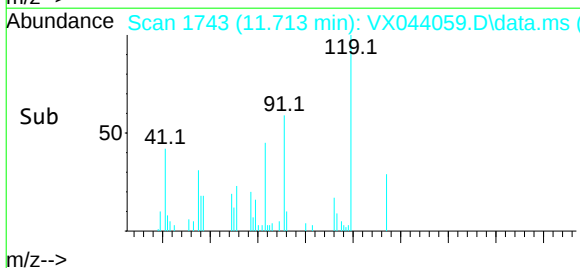
Reviewed By :John Carlone 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

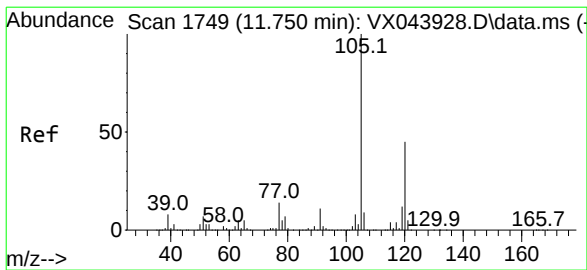


#83
tert-Butylbenzene
Concen: 0.423 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35



Tgt Ion:119 Resp: 2705
Ion Ratio Lower Upper
119 100
91 75.5 31.0 93.0
134 30.4 11.6 34.8





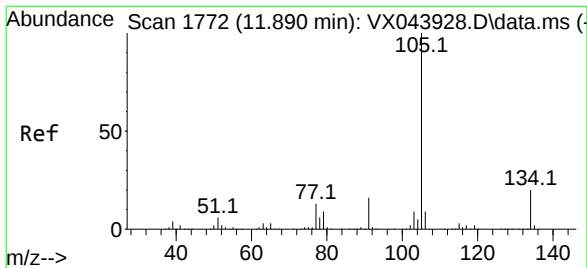
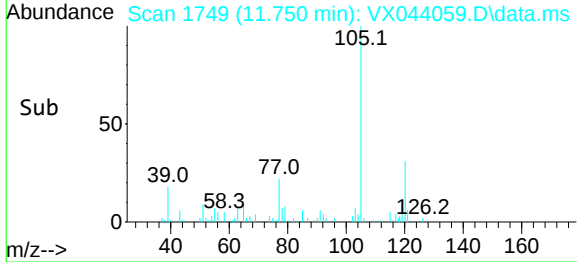
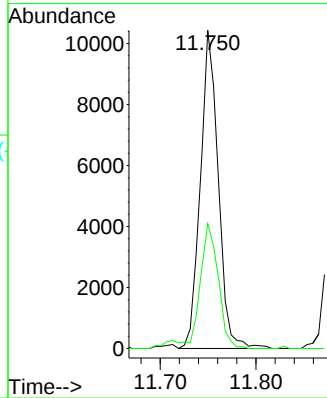
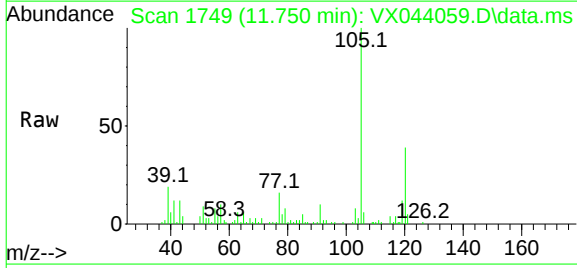
#84
1,2,4-Trimethylbenzene
Concen: 2.106 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :
MW-06

Tgt Ion:105 Resp: 13524
Ion Ratio Lower Upper
105 100
120 39.4 21.9 65.7

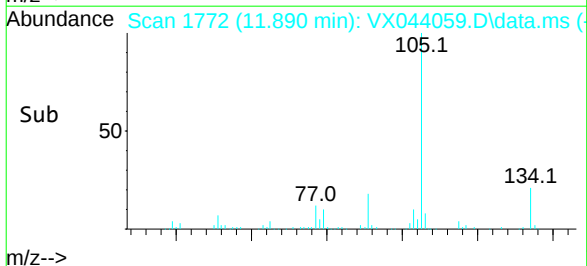
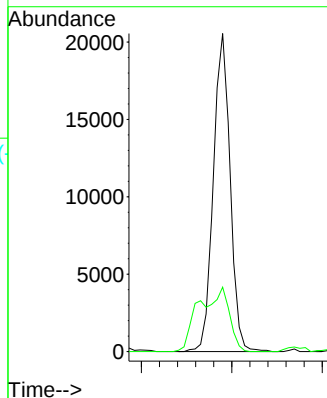
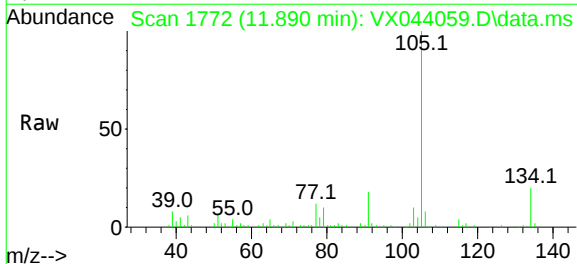
Manual Integrations
APPROVED

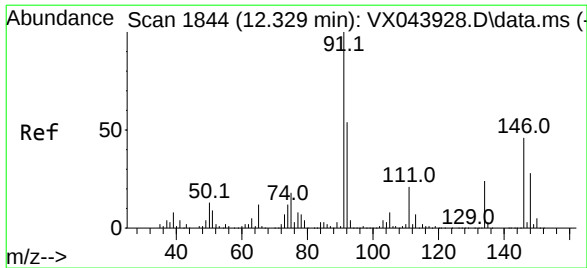
Reviewed By :John Carlone 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#85
sec-Butylbenzene
Concen: 3.383 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX044059.D
Acq: 02 Dec 2024 12:35

Tgt Ion:105 Resp: 26502
Ion Ratio Lower Upper
105 100
134 16.7 9.7 29.1





#89

n-Butylbenzene

Concen: 2.246 ug/l m

RT: 12.329 min Scan# 18

Delta R.T. -0.000 min

Lab File: VX044059.D

Acq: 02 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

MW-06

Tgt Ion: 91 Resp: 12604

Ion Ratio Lower Upper

91 100

92 76.2 26.6 79.8

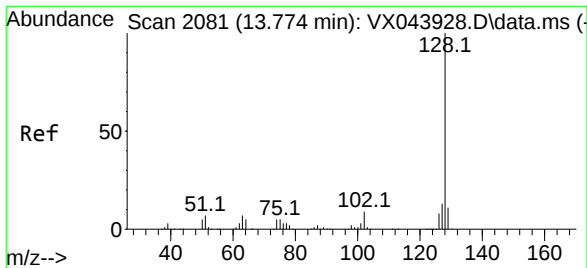
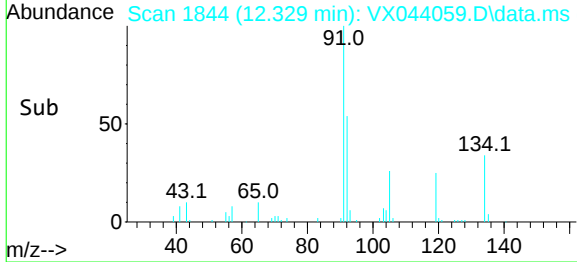
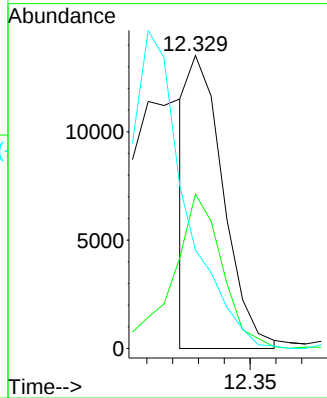
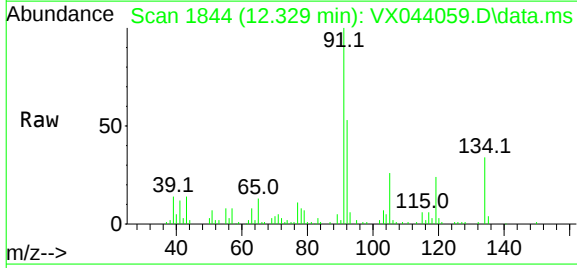
134 175.3 12.4 37.2#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#95

Naphthalene

Concen: 77.471 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044059.D

Acq: 02 Dec 2024 12:35

Tgt Ion:128 Resp: 565313

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.3 8.6 12.8

