

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075830.D
 Acq On : 15 Dec 2022 20:11
 Operator : JC\MD
 Sample : N6066-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ORA-583

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/16/2022
 Supervised By :Mahesh Dadoda 12/16/2022

Quant Time: Dec 16 03:13:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	368154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	573577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	488626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	188099	46.964	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.920%		
35) Dibromofluoromethane	8.171	113	168929	47.558	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.120%		
50) Toluene-d8	10.571	98	653589	49.213	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.420%		
62) 4-Bromofluorobenzene	12.853	95	204735	46.544	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.080%		
Target Compounds					Qvalue	
8) Diethyl Ether	3.989	74	2101	0.978	ug/l	68
11) Tert butyl alcohol	5.530	59	15063	26.579	ug/l #	92
16) Acetone	4.447	43	85055	61.605	ug/l	93
18) Methyl Acetate	5.047	43	5805	1.422	ug/l #	68
25) 2-Butanone	7.494	43	146069	75.559	ug/l	90
39) Methylcyclohexane	9.600	83	2328	0.409	ug/l #	91
40) Benzene	8.612	78	328397	22.557	ug/l	98
52) Toluene	10.635	92	153585	16.198	ug/l	100
67) Ethyl Benzene	11.970	91	21204	1.253	ug/l	89
68) m/p-Xylenes	12.070	106	40421	6.034	ug/l	96
69) o-Xylene	12.400	106	14246	2.149	ug/l	97
70) Styrene	12.412	104	4757m	0.451	ug/l	
78) n-propylbenzene	13.041	91	4716	0.281	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	8543	0.672	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	26997	2.140	ug/l	97
95) Naphthalene	15.647	128	51745	6.502	ug/l	97

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

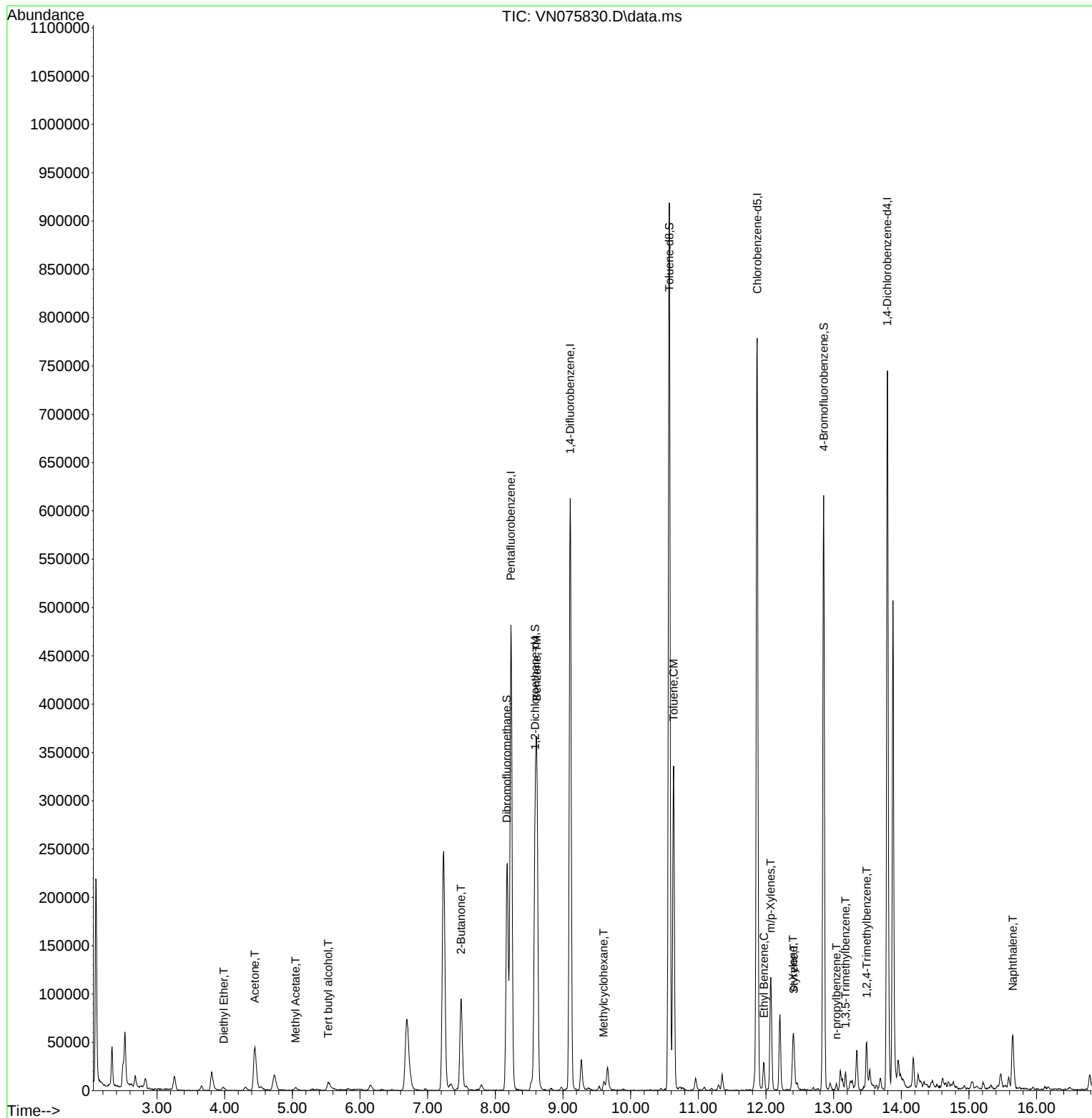
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
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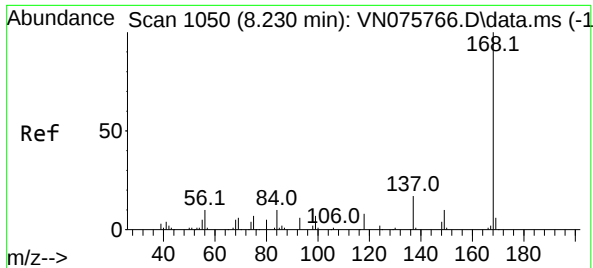
Instrument :
MSVOA_N
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ORA-583

Quant Time: Dec 16 03:13:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
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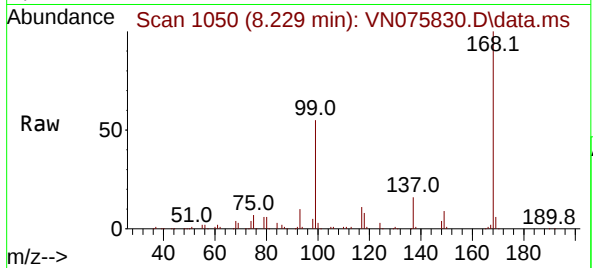
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

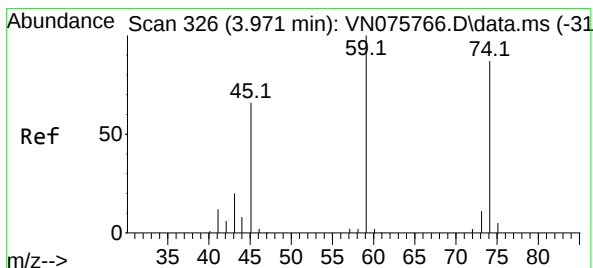
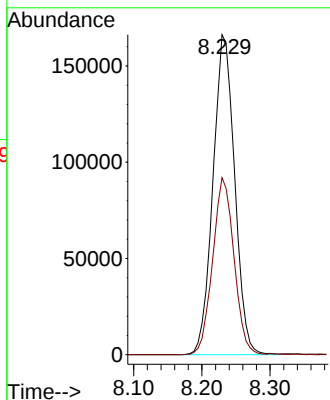
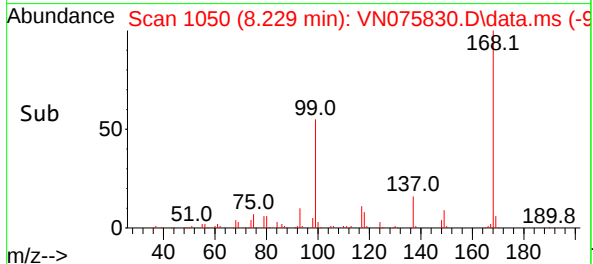
Instrument :
MSVOA_N
ClientSampleId :
ORA-583



Tgt Ion:168 Resp: 368154
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4

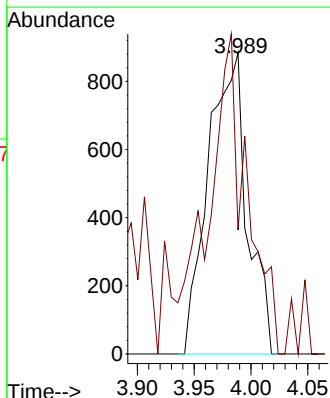
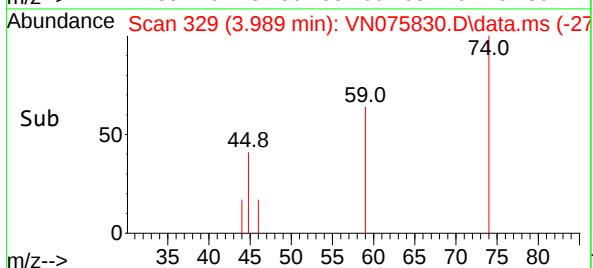
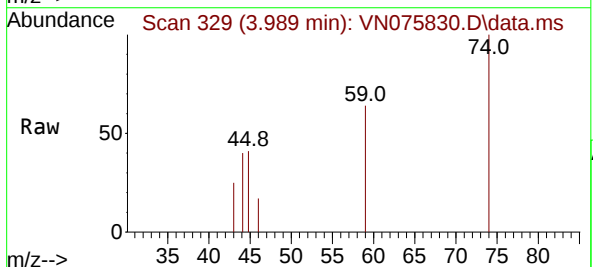
Manual Integrations
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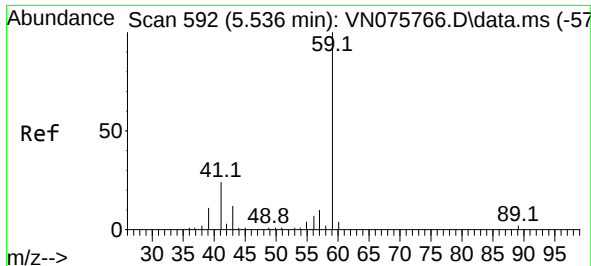
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#8
Diethyl Ether
Concen: 0.978 ug/l
RT: 3.989 min Scan# 329
Delta R.T. 0.018 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

Tgt Ion: 74 Resp: 2101
Ion Ratio Lower Upper
74 100
45 103.2 37.8 113.4





#11

Tert butyl alcohol

Concen: 26.579 ug/l

RT: 5.530 min Scan# 591

Delta R.T. -0.006 min

Lab File: VN075830.D

Acq: 15 Dec 2022 20:11

Instrument :

MSVOA_N

ClientSampleId :

ORA-583

Tgt Ion: 59 Resp: 1506

Ion Ratio Lower Upper

59 100

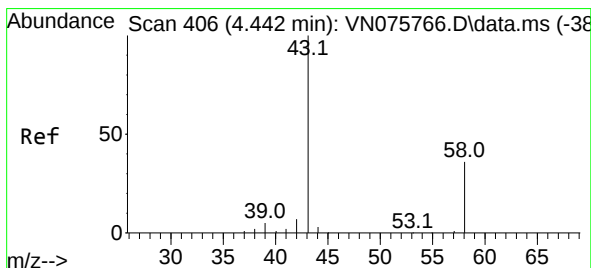
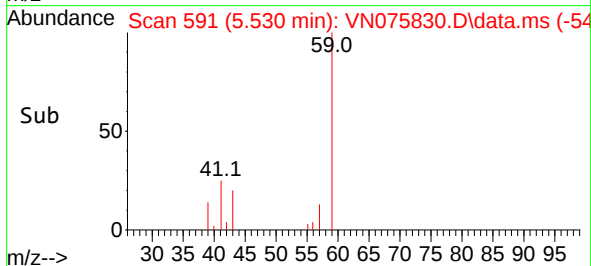
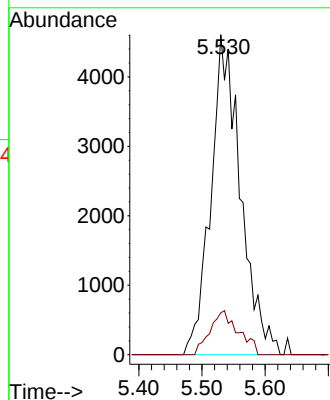
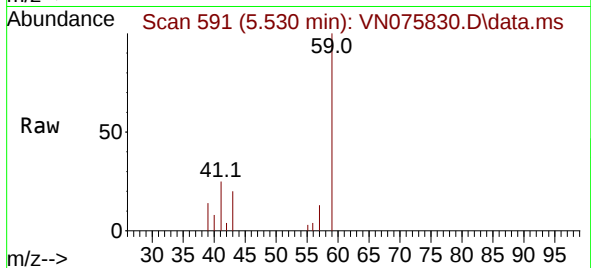
57 13.1 8.2 12.4

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#16

Acetone

Concen: 61.605 ug/l

RT: 4.447 min Scan# 407

Delta R.T. 0.006 min

Lab File: VN075830.D

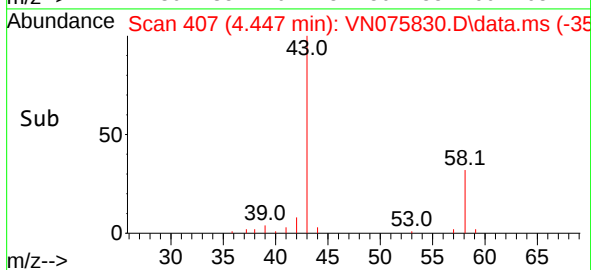
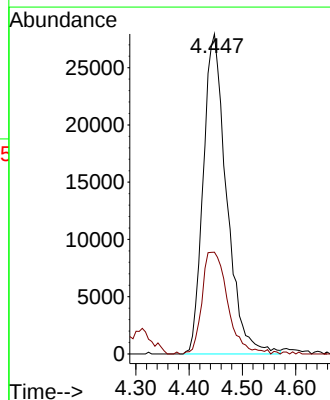
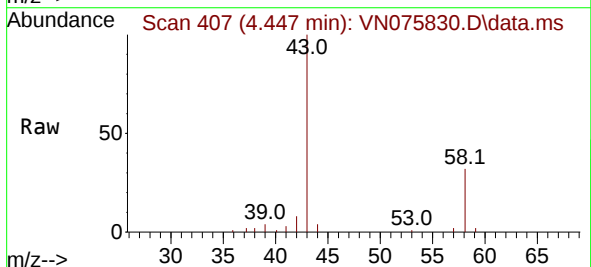
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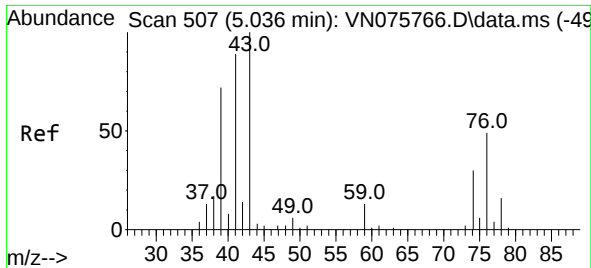
Tgt Ion: 43 Resp: 85055

Ion Ratio Lower Upper

43 100

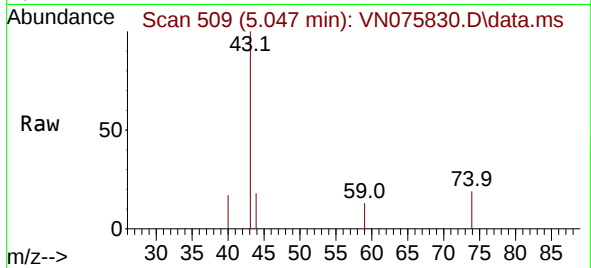
58 31.8 28.6 43.0





#18
Methyl Acetate
Concen: 1.422 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

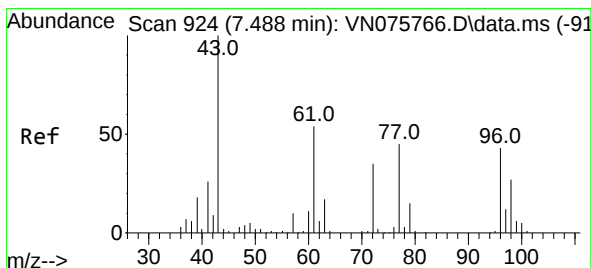
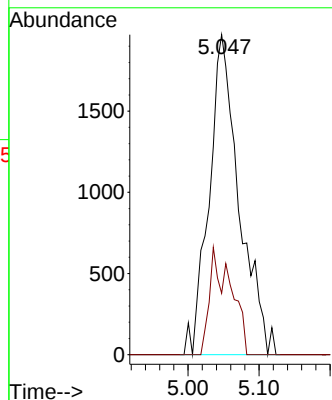
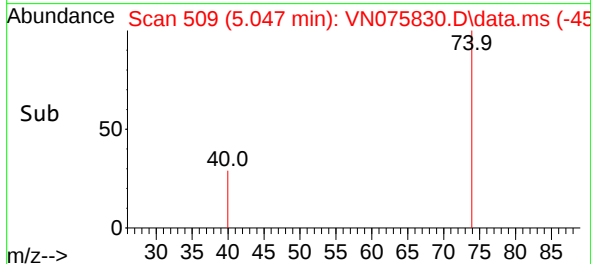
Instrument :
MSVOA_N
ClientSampleId :
ORA-583



Tgt Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
74 12.1 23.6 35.4

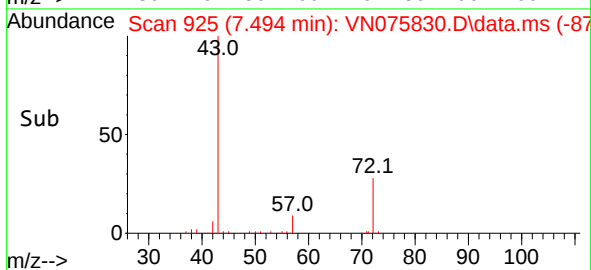
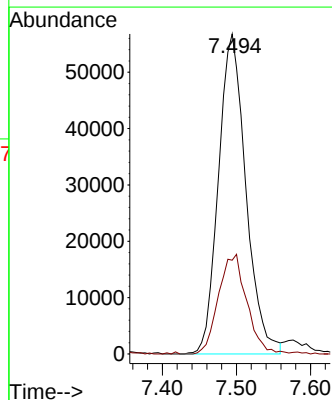
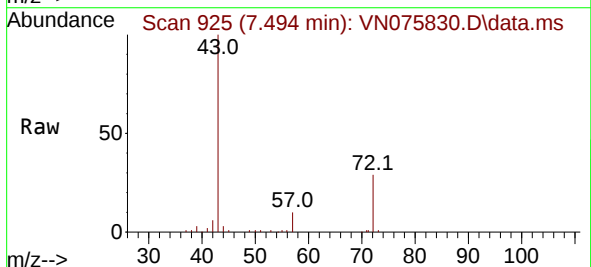
Manual Integrations
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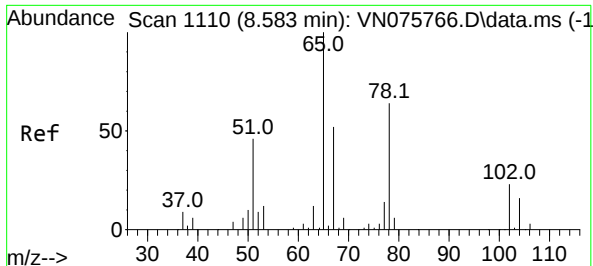
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#25
2-Butanone
Concen: 75.559 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

Tgt Ion: 43 Resp: 146069
Ion Ratio Lower Upper
43 100
72 29.3 28.0 42.0





#33

1,2-Dichloroethane-d4

Concen: 46.964 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075830.D

Acq: 15 Dec 2022 20:11

Instrument :

MSVOA_N

ClientSampleId :

ORA-583

Tgt Ion: 65 Resp: 188099

Ion Ratio Lower Upper

65 100

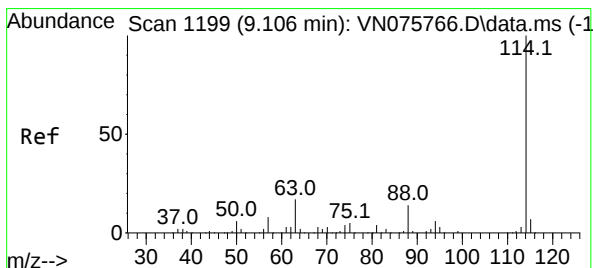
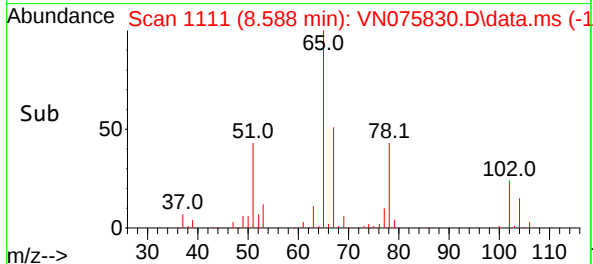
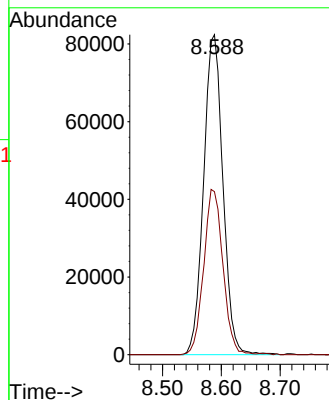
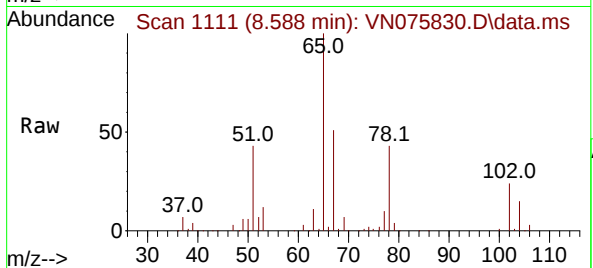
67 51.4 0.0 103.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075830.D

Acq: 15 Dec 2022 20:11

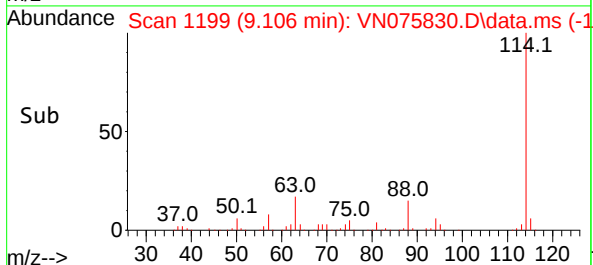
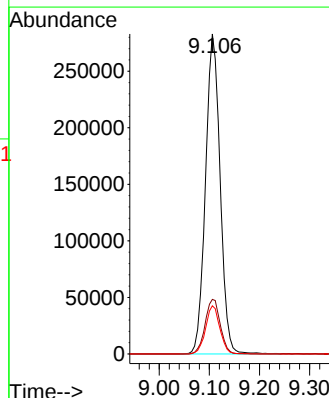
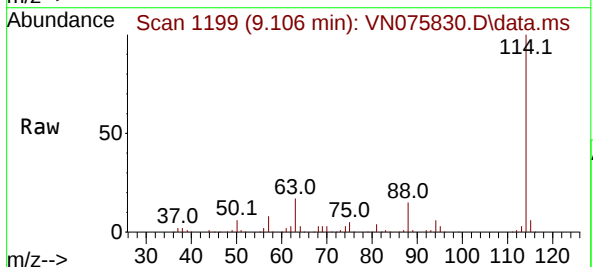
Tgt Ion:114 Resp: 573577

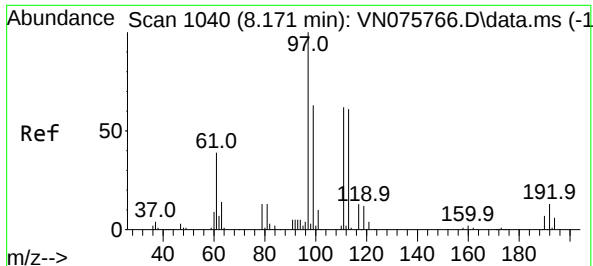
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.4

88 15.0 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.558 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075830.D

Acq: 15 Dec 2022 20:11

Instrument :

MSVOA_N

ClientSampleId :

ORA-583

Tgt Ion:113 Resp: 168929

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

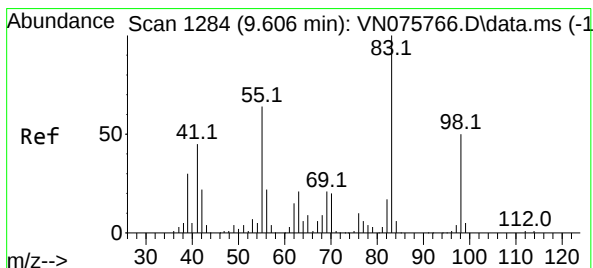
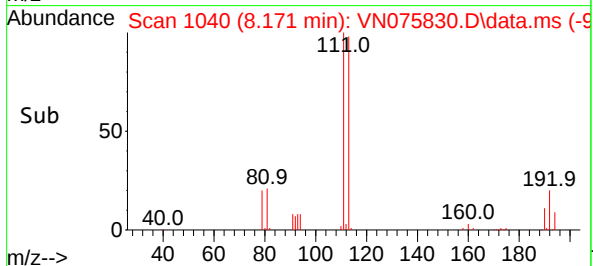
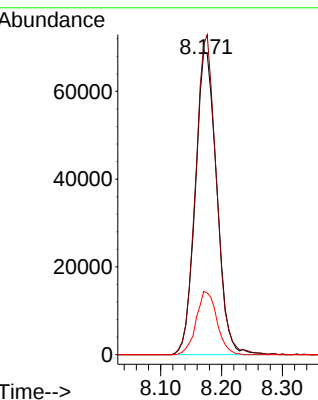
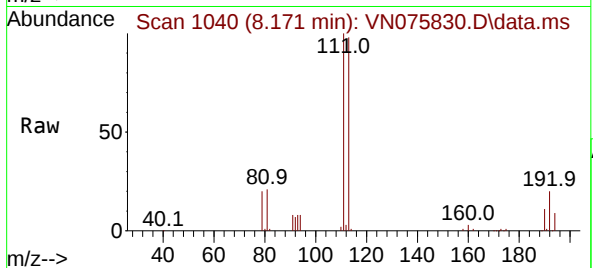
192 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2022

Supervised By :Mahesh Dadoda 12/16/2022



#39

Methylcyclohexane

Concen: 0.409 ug/l

RT: 9.600 min Scan# 1283

Delta R.T. -0.006 min

Lab File: VN075830.D

Acq: 15 Dec 2022 20:11

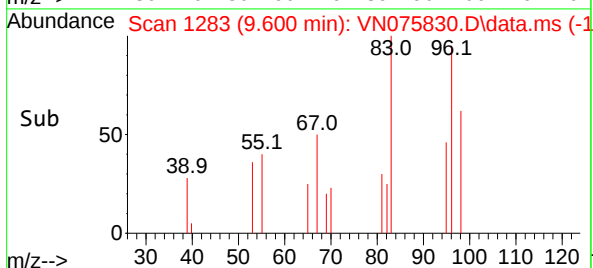
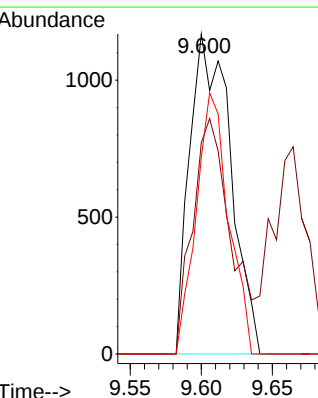
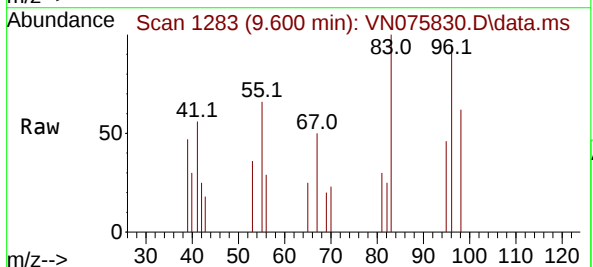
Tgt Ion: 83 Resp: 2328

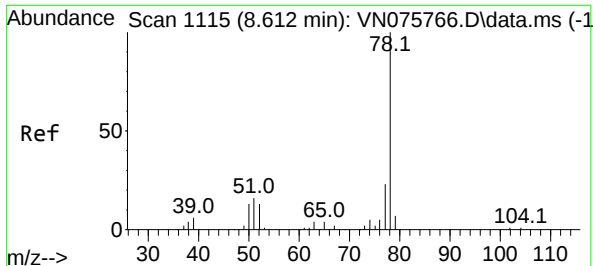
Ion Ratio Lower Upper

83 100

55 66.0 51.4 77.0

98 61.5 39.8 59.8#





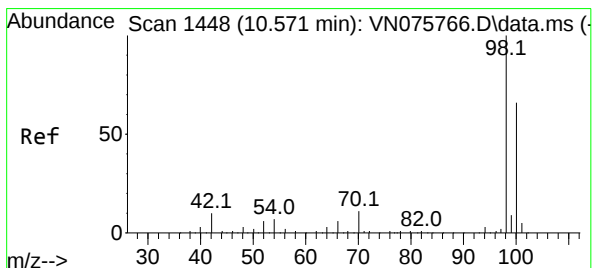
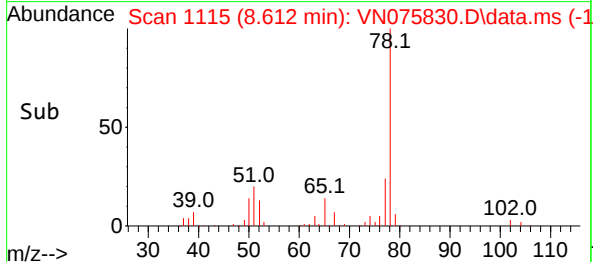
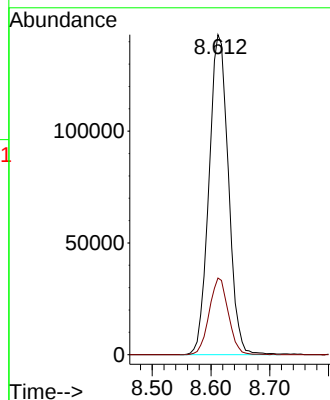
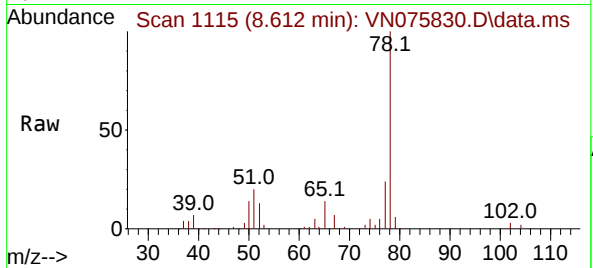
#40
Benzene
Concen: 22.557 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

Instrument :
MSVOA_N
ClientSampleId :
ORA-583

Tgt Ion: 78 Resp: 32839
Ion Ratio Lower Upper
78 100
77 24.0 18.5 27.7

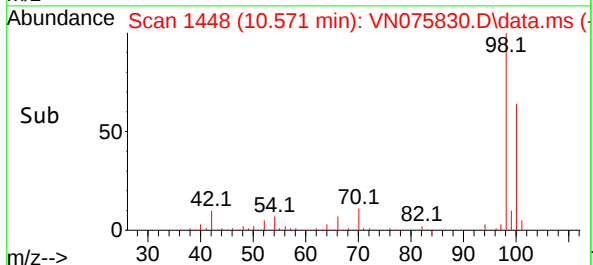
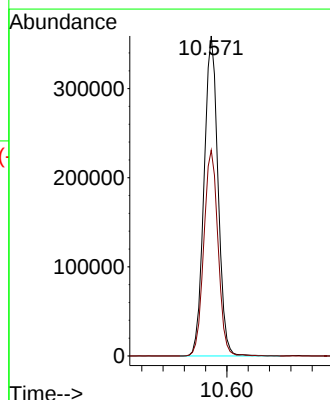
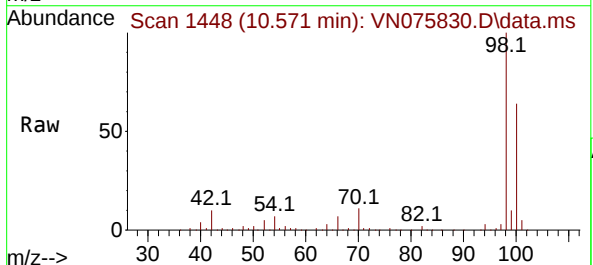
Manual Integrations
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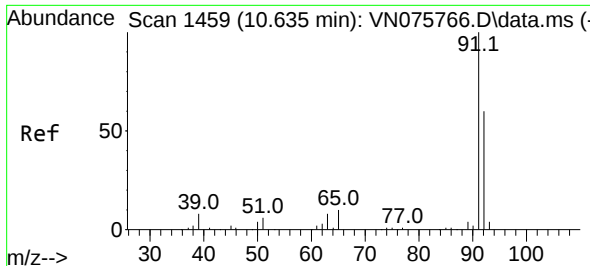
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#50
Toluene-d8
Concen: 49.213 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

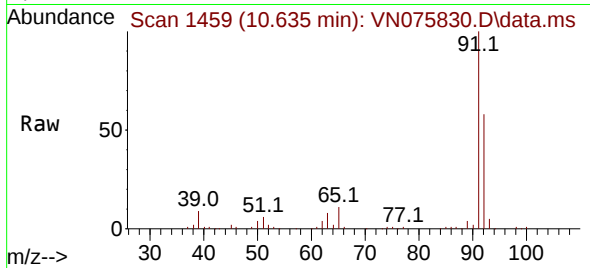
Tgt Ion: 98 Resp: 653589
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1





#52
Toluene
Concen: 16.198 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

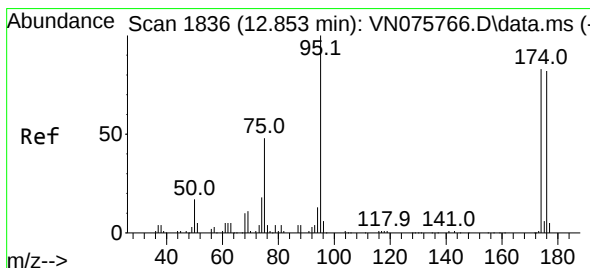
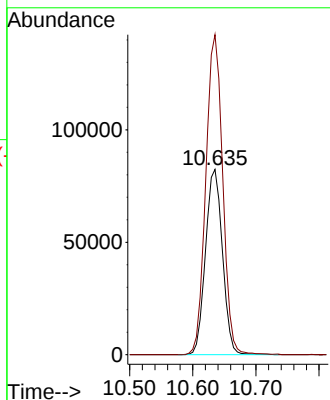
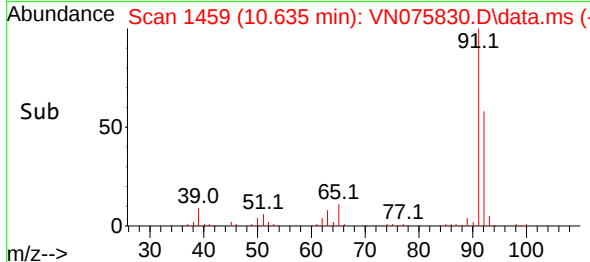
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MSVOA_N
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ORA-583



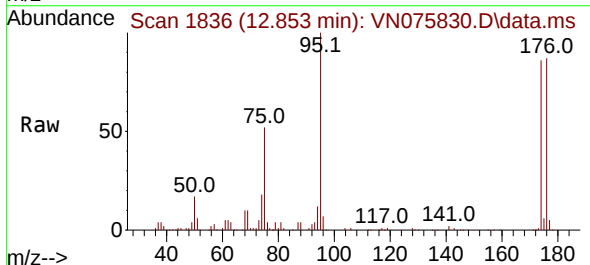
Tgt Ion: 92 Resp: 153585
Ion Ratio Lower Upper
92 100
91 172.1 137.3 205.9

Manual Integrations
APPROVED

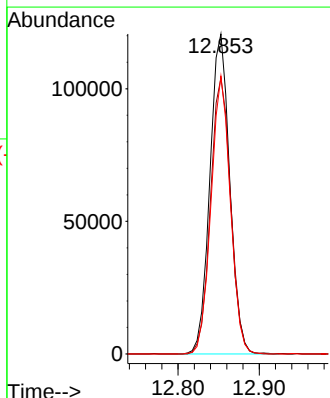
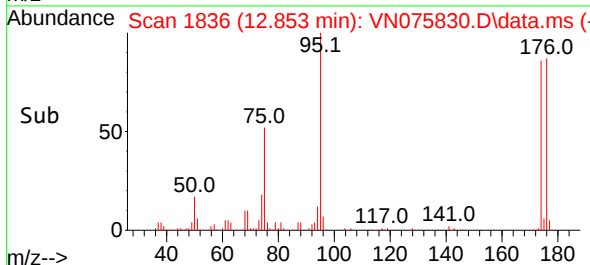
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022

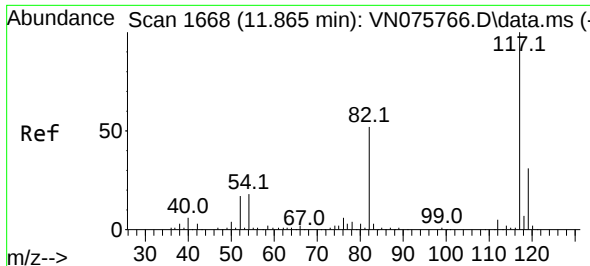


#62
4-Bromofluorobenzene
Concen: 46.544 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11



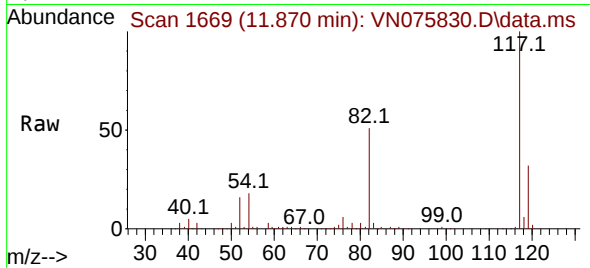
Tgt Ion: 95 Resp: 204735
Ion Ratio Lower Upper
95 100
174 87.8 0.0 171.6
176 84.5 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

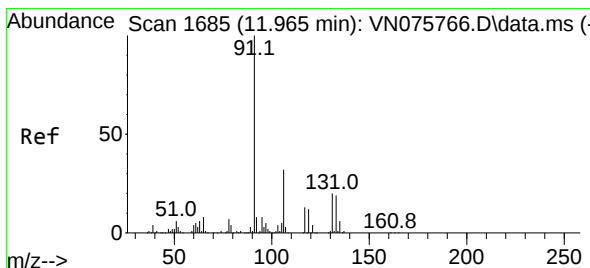
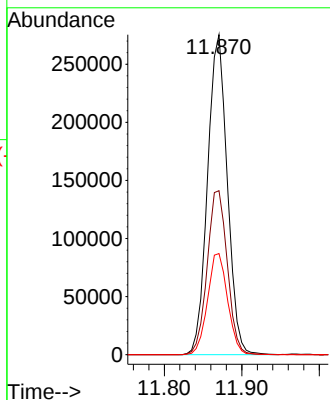
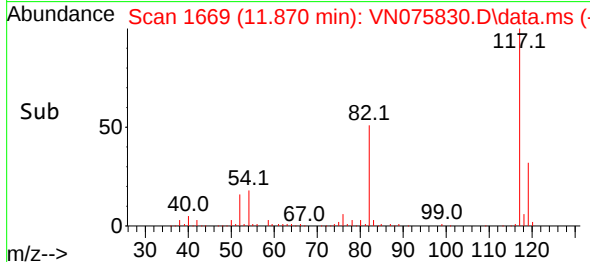
Instrument :
MSVOA_N
ClientSampleId :
ORA-583



Tgt Ion:117 Resp: 488620
Ion Ratio Lower Upper
117 100
82 51.3 41.3 61.9
119 31.6 24.6 37.0

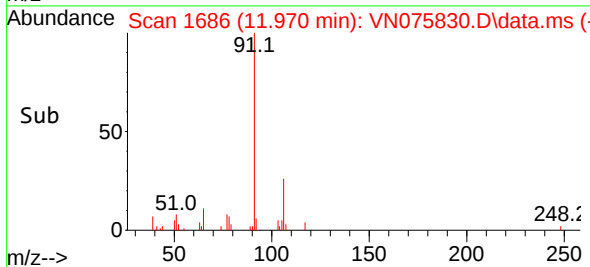
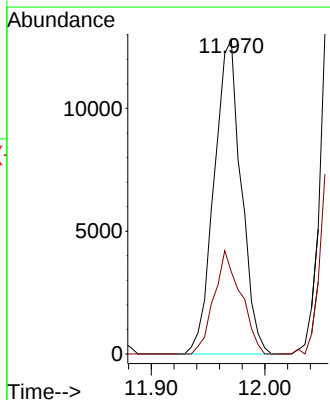
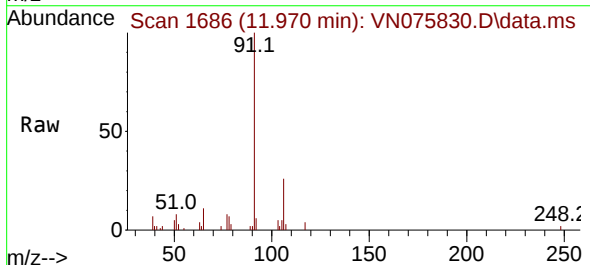
Manual Integrations
APPROVED

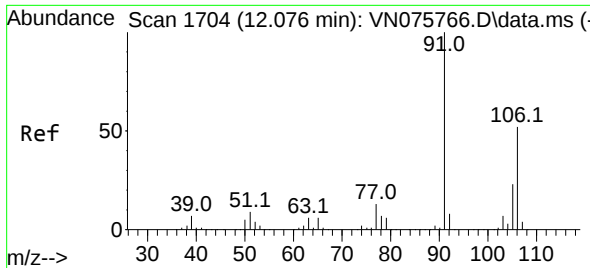
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#67
Ethyl Benzene
Concen: 1.253 ug/l
RT: 11.970 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

Tgt Ion: 91 Resp: 21204
Ion Ratio Lower Upper
91 100
106 26.1 25.7 38.5





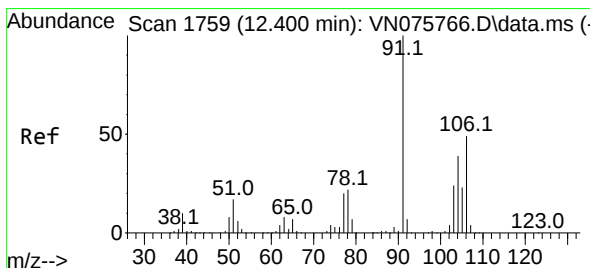
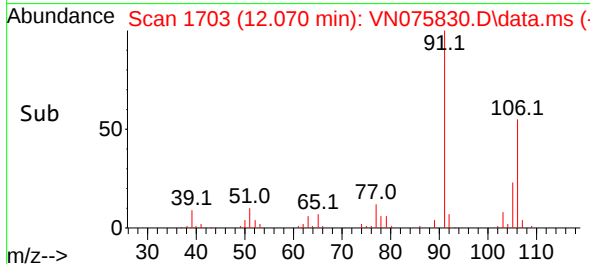
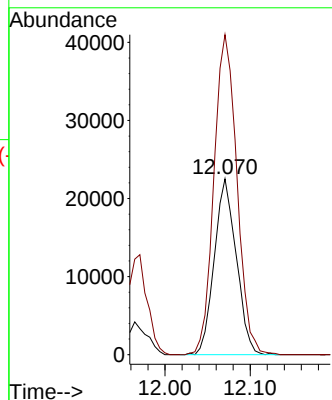
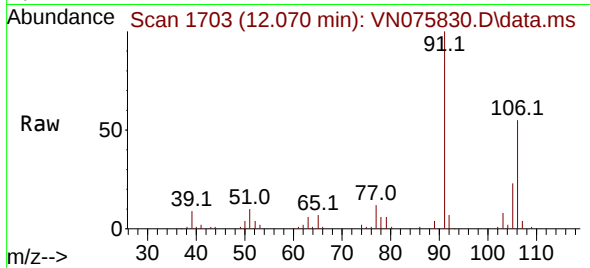
#68
m/p-Xylenes
Concen: 6.034 ug/l
RT: 12.070 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

Instrument :
MSVOA_N
ClientSampleId :
ORA-583

Tgt Ion:106 Resp: 4042
Ion Ratio Lower Upper
106 100
91 190.0 156.6 235.0

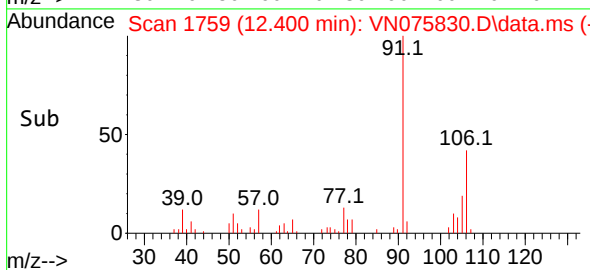
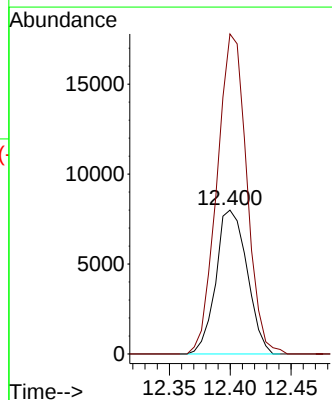
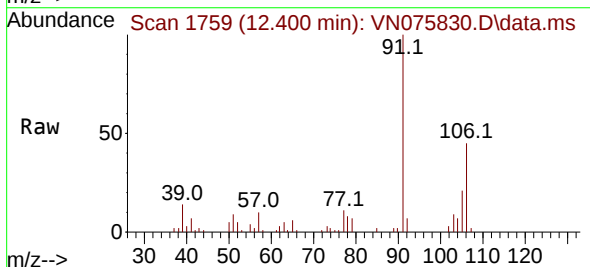
Manual Integrations
APPROVED

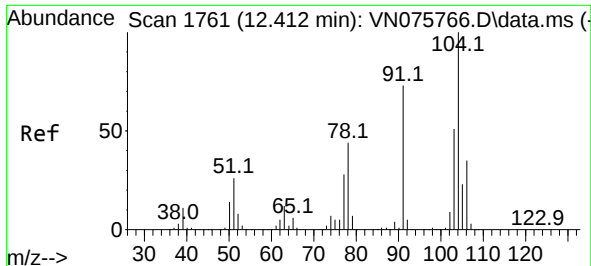
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#69
o-Xylene
Concen: 2.149 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

Tgt Ion:106 Resp: 14246
Ion Ratio Lower Upper
106 100
91 212.1 103.8 311.6





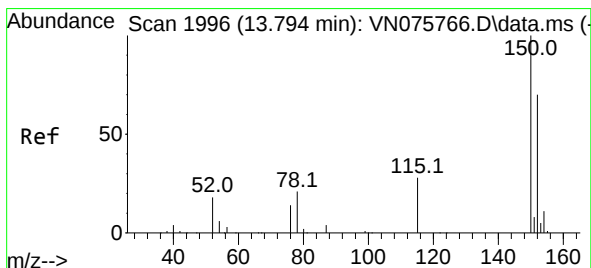
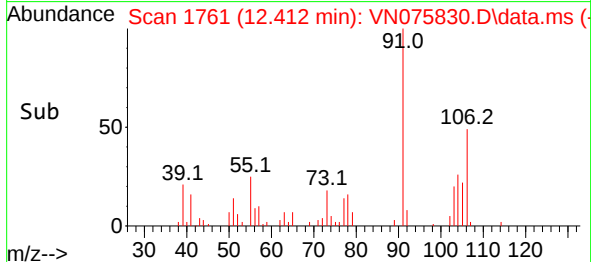
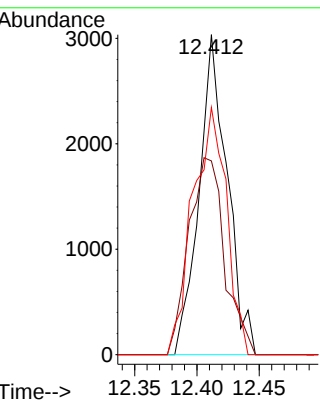
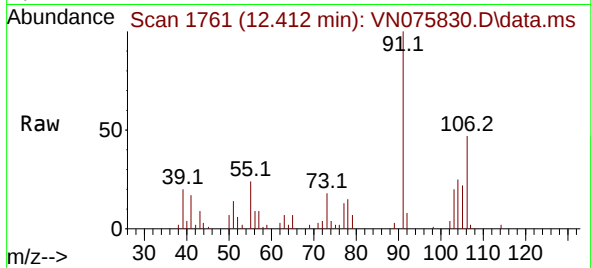
#70
Styrene
Concen: 0.451 ug/l m
RT: 12.412 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

Instrument :
MSVOA_N
ClientSampleId :
ORA-583

Tgt Ion:104 Resp: 475
Ion Ratio Lower Upper
104 100
78 0.0 37.5 56.3
103 0.0 43.5 65.3

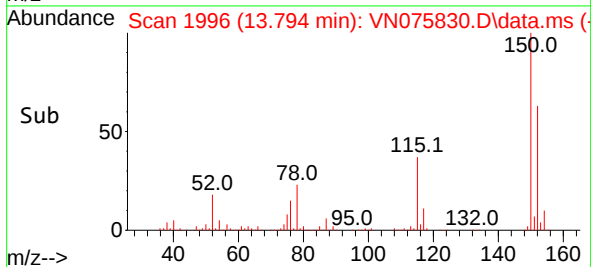
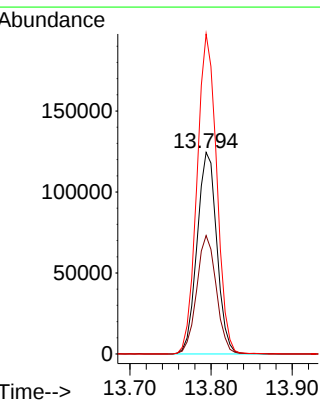
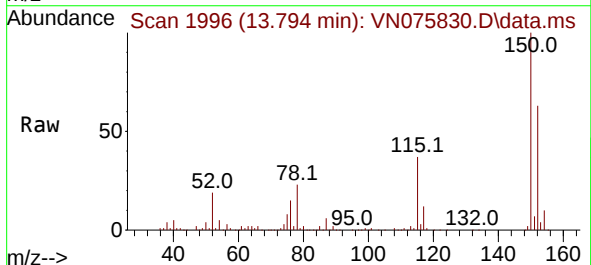
Manual Integrations
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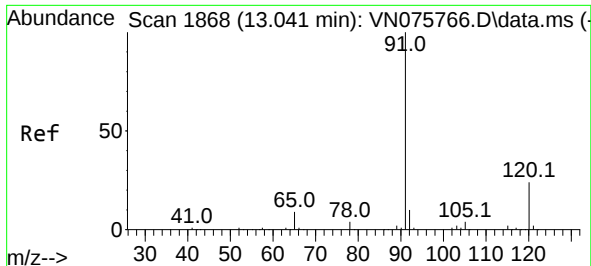
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

Tgt Ion:152 Resp: 210299
Ion Ratio Lower Upper
152 100
115 58.4 29.1 87.4
150 158.2 0.0 347.0





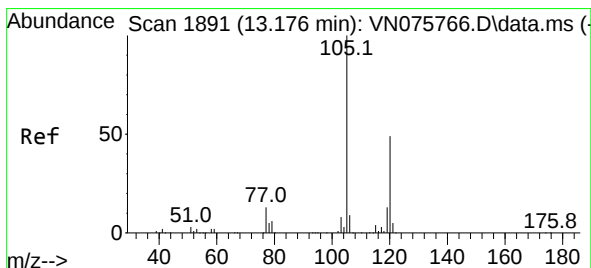
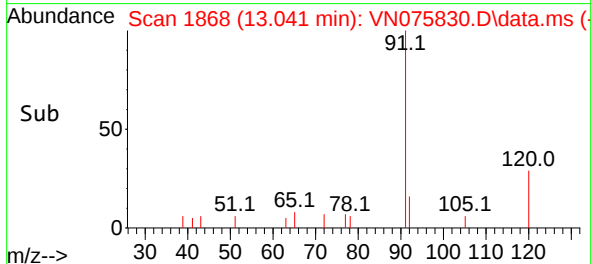
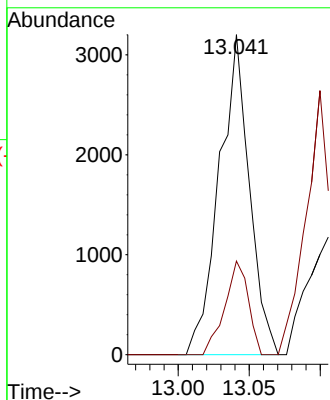
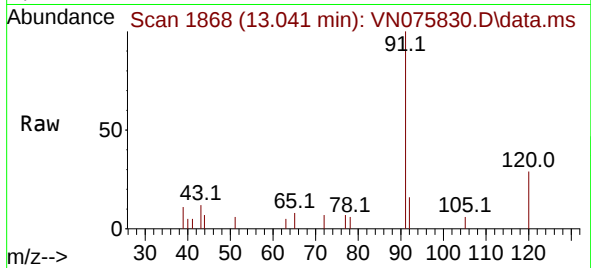
#78
n-propylbenzene
Concen: 0.281 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

Instrument :
MSVOA_N
ClientSampleId :
ORA-583

Tgt Ion: 91 Resp: 4710
Ion Ratio Lower Upper
91 100
120 22.8 12.0 36.1

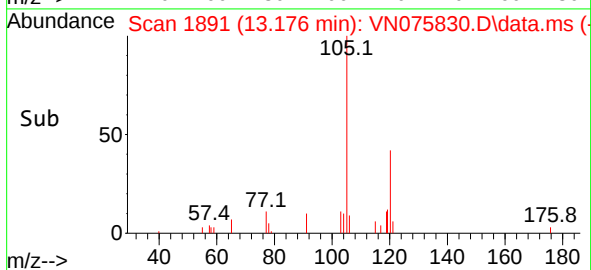
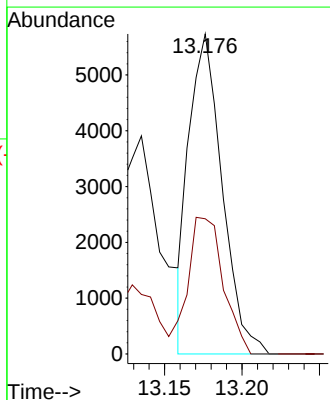
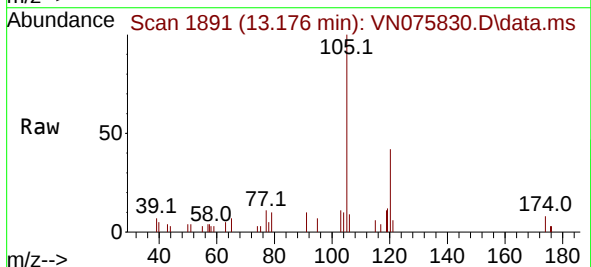
Manual Integrations
APPROVED

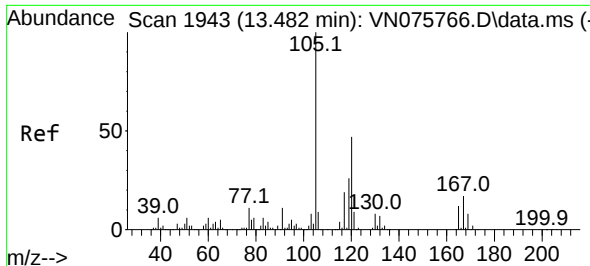
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#80
1,3,5-Trimethylbenzene
Concen: 0.672 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

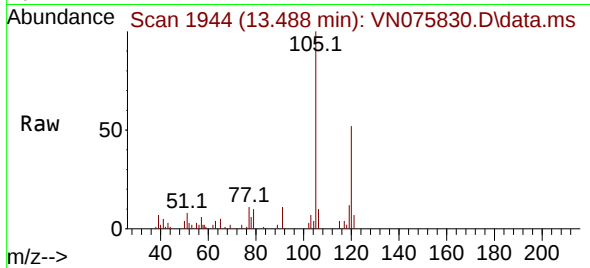
Tgt Ion:105 Resp: 8543
Ion Ratio Lower Upper
105 100
120 45.7 24.7 74.1





#84
1,2,4-Trimethylbenzene
Concen: 2.140 ug/l
RT: 13.488 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11

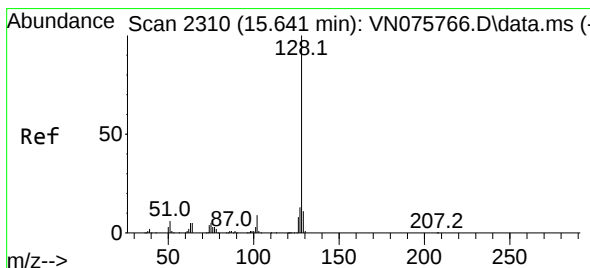
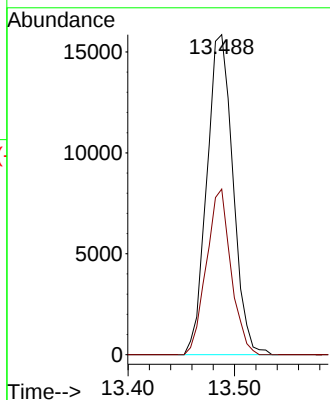
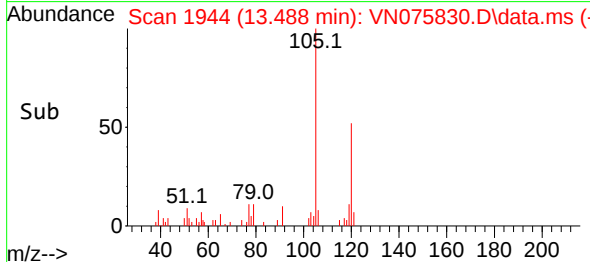
Instrument :
MSVOA_N
ClientSampleId :
ORA-583



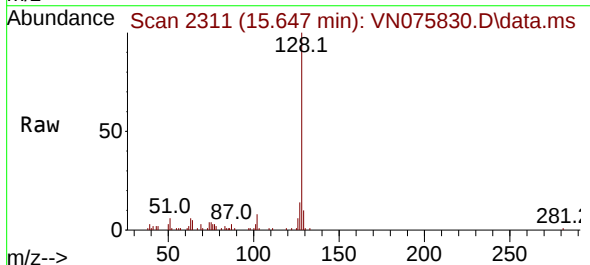
Tgt Ion:105 Resp: 2699
Ion Ratio Lower Upper
105 100
120 48.7 23.3 69.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#95
Naphthalene
Concen: 6.502 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075830.D
Acq: 15 Dec 2022 20:11



Tgt Ion:128 Resp: 51745
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 13.0 8.7 13.1

