

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111122\
 Data File : VN075247.D
 Acq On : 11 Nov 2022 14:53
 Operator : JC\MD
 Sample : N5582-06 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31880

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2022
 Supervised By : Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 03:45:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	107040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	195518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	172657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	81564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	73552	50.999	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.000%			
35) Dibromofluoromethane	8.171	113	61629	53.694	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.380%			
50) Toluene-d8	10.571	98	219676	49.331	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.853	95	81888	52.348	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.700%			
Target Compounds					Qvalue	
16) Acetone	4.448	43	3028m	4.958	ug/l	
25) 2-Butanone	7.494	43	4816	5.014	ug/l	90
39) Methylcyclohexane	9.600	83	1151	0.491	ug/l	93
40) Benzene	8.618	78	1782	0.328	ug/l #	86
52) Toluene	10.629	92	16594	4.563	ug/l	98
67) Ethyl Benzene	11.965	91	18575	2.801	ug/l	90
68) m/p-Xylenes	12.065	106	23818	8.952	ug/l	97
69) o-Xylene	12.400	106	14718	5.594	ug/l	96
73) Isopropylbenzene	12.694	105	4613	0.704	ug/l	97
78) n-propylbenzene	13.035	91	15936	2.168	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	17035	3.097	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	69779	12.540	ug/l	100
85) sec-Butylbenzene	13.612	105	6385	0.934	ug/l	87
86) p-Isopropyltoluene	13.729	119	3940	0.698	ug/l	95
89) n-Butylbenzene	14.059	91	8731	1.920	ug/l #	82
95) Naphthalene	15.641	128	9336	2.010	ug/l #	95

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

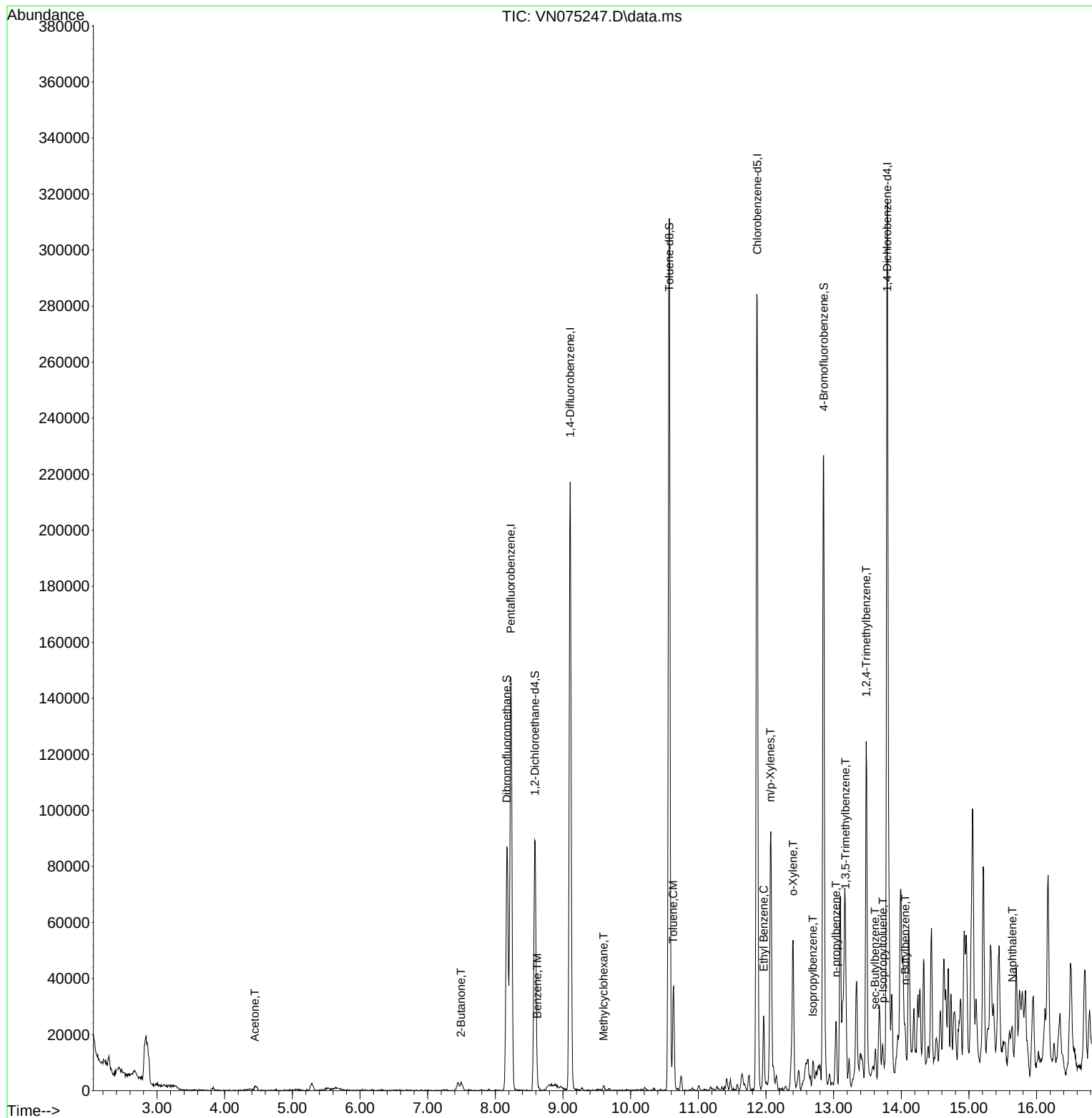
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111122\
Data File : VN075247.D
Acq On : 11 Nov 2022 14:53
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
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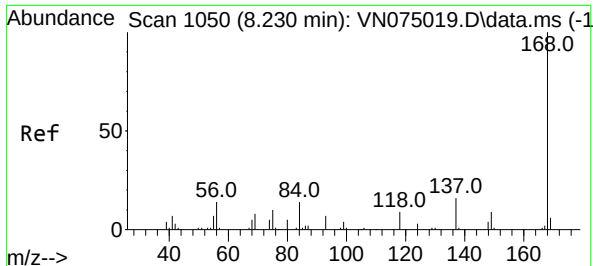
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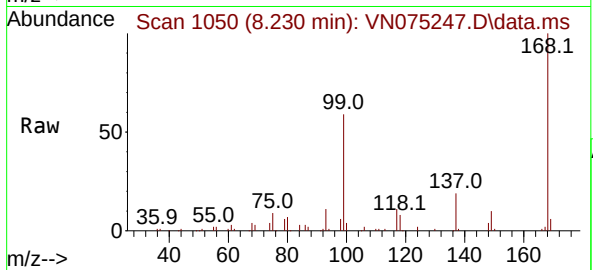
Quant Time: Nov 14 03:45:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53

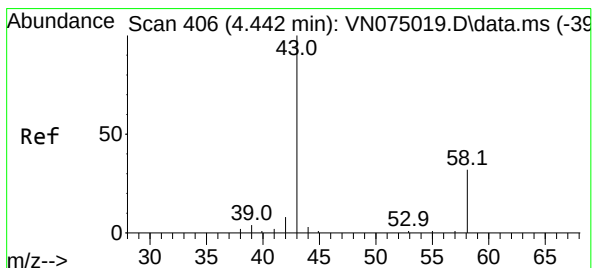
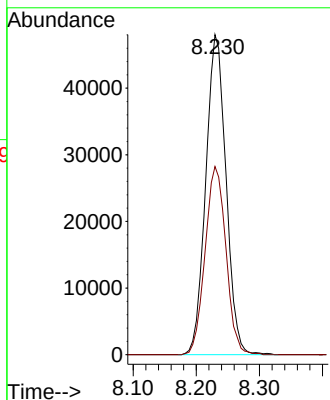
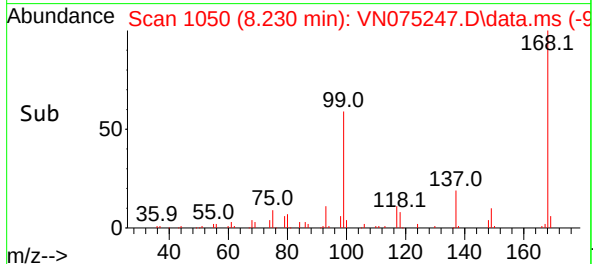
Instrument :
MSVOA_N
ClientSampleId :
31880



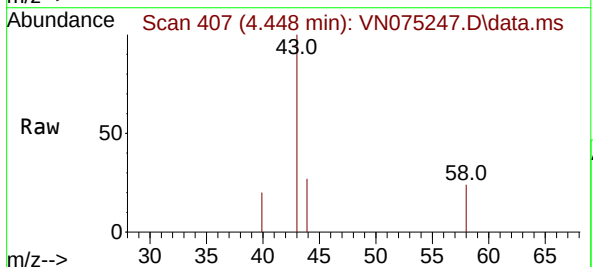
Tgt Ion:168 Resp: 107040
Ion Ratio Lower Upper
168 100
99 58.8 51.6 77.4

Manual Integrations
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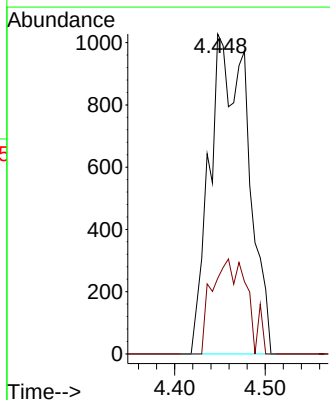
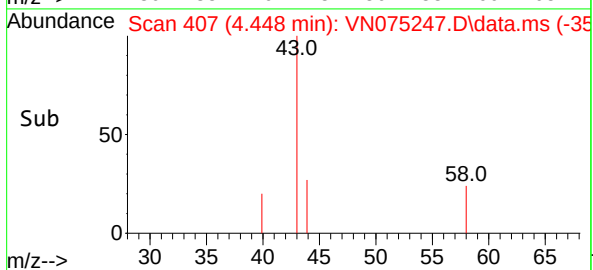
Reviewed By :John Carlone 11/14/2022
Supervised By :Mahesh Dadoda 11/14/2022

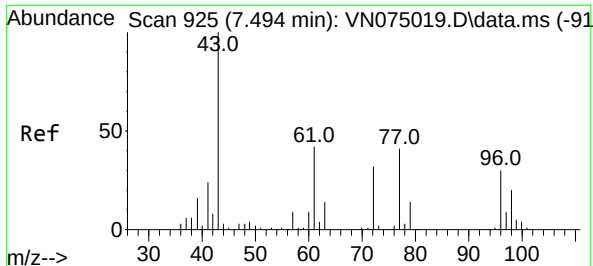


#16
Acetone
Concen: 4.958 ug/l m
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53



Tgt Ion: 43 Resp: 3028
Ion Ratio Lower Upper
43 100
58 23.6 25.5 38.3#





#25

2-Butanone

Concen: 5.014 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075247.D

Acq: 11 Nov 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

31880

Tgt Ion: 43 Resp: 4810

Ion Ratio Lower Upper

43 100

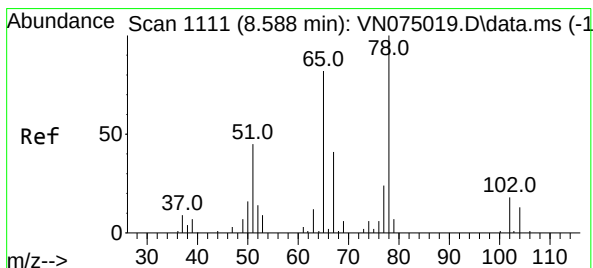
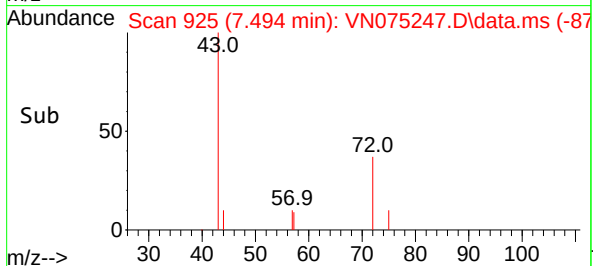
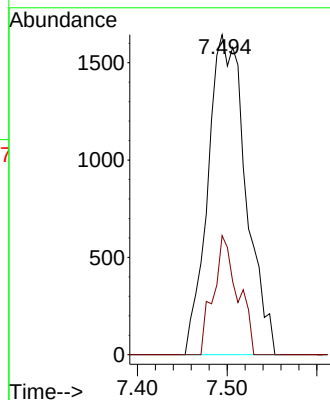
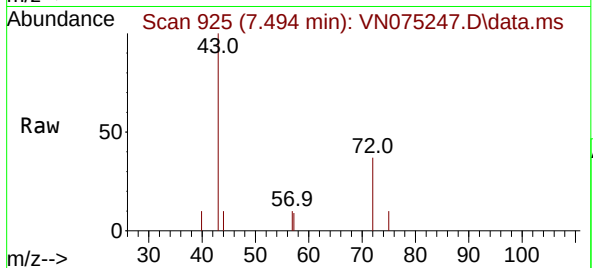
72 37.2 25.5 38.3

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#33

1,2-Dichloroethane-d4

Concen: 50.999 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.005 min

Lab File: VN075247.D

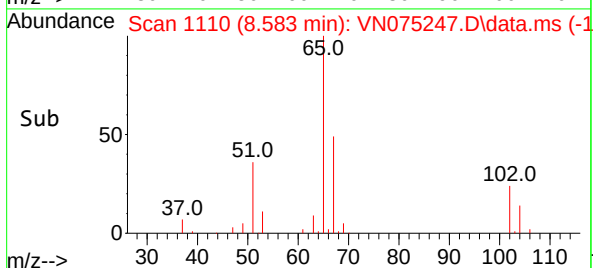
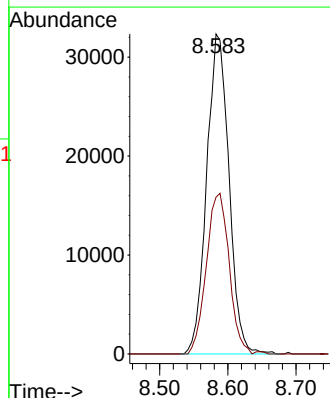
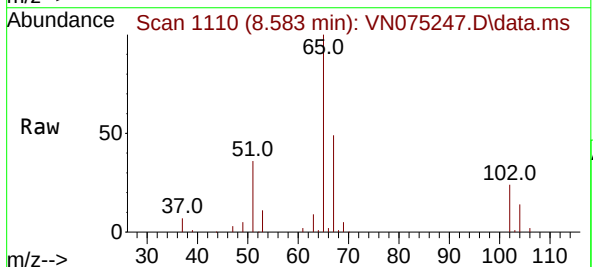
Acq: 11 Nov 2022 14:53

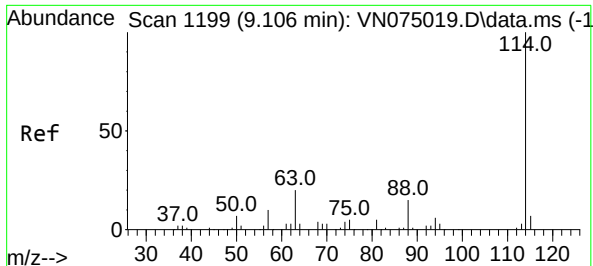
Tgt Ion: 65 Resp: 73552

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075247.D

Acq: 11 Nov 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

31880

Tgt Ion:114 Resp: 195518

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

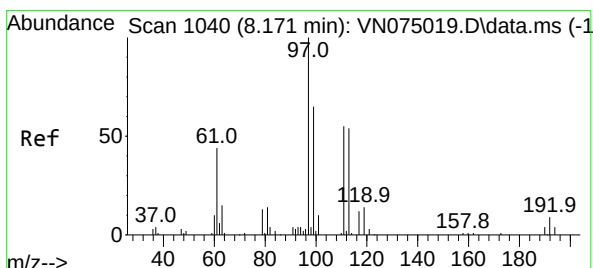
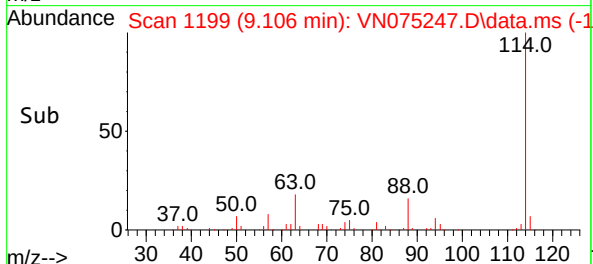
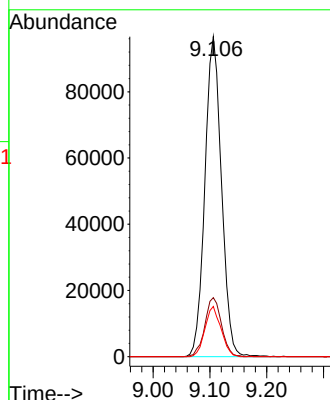
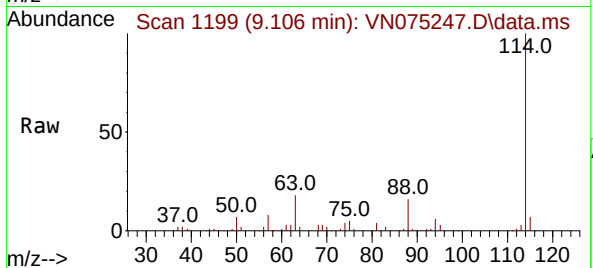
88 15.7 0.0 29.0

Manual Integrations

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#35

Dibromofluoromethane

Concen: 53.694 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075247.D

Acq: 11 Nov 2022 14:53

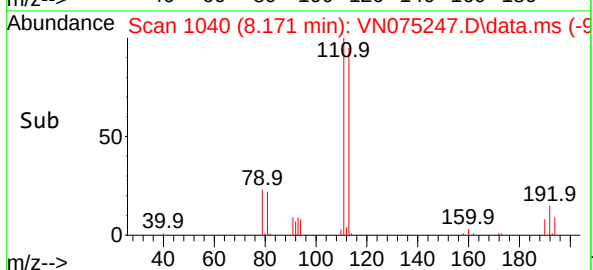
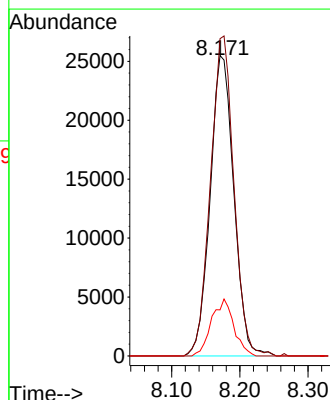
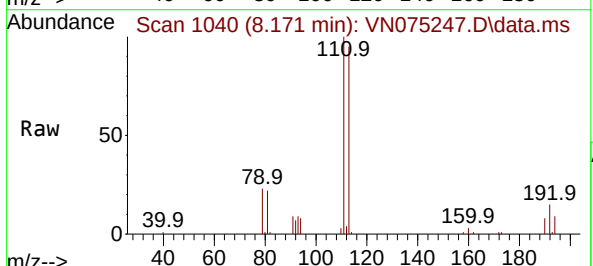
Tgt Ion:113 Resp: 61629

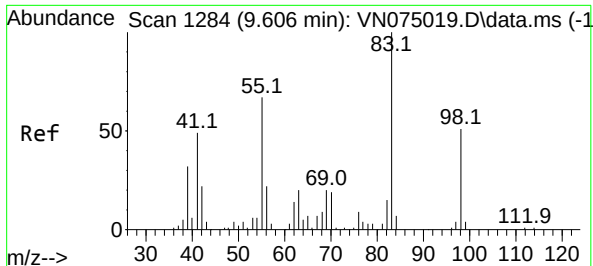
Ion Ratio Lower Upper

113 100

111 105.2 80.5 120.7

192 17.9 13.2 19.8





#39

Methylcyclohexane

Concen: 0.491 ug/l

RT: 9.600 min Scan# 1158

Delta R.T. -0.006 min

Lab File: VN075247.D

Acq: 11 Nov 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

31880

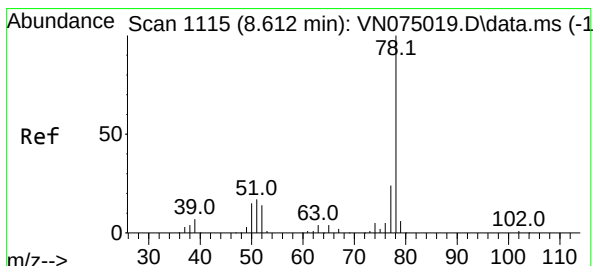
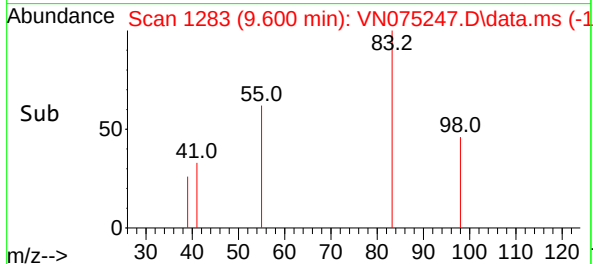
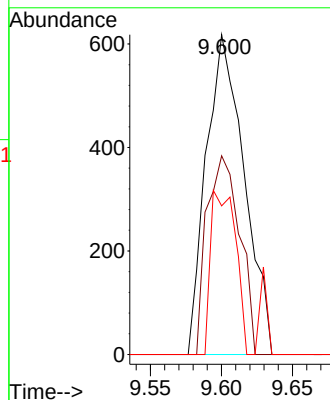
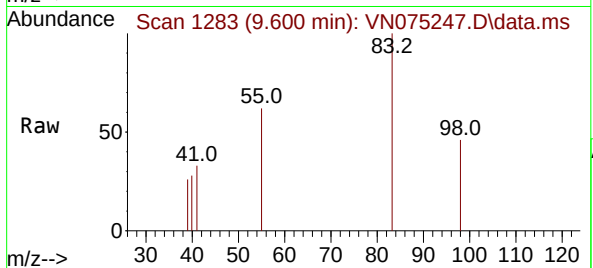
Tgt Ion: 83	Resp: 1158
Ion Ratio	Lower Upper
83 100	
55 62.1	53.6 80.4
98 46.4	41.1 61.7

Manual Integrations

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Reviewed By :John Carlone 11/14/2022

Supervised By :Mahesh Dadoda 11/14/2022



#40

Benzene

Concen: 0.328 ug/l

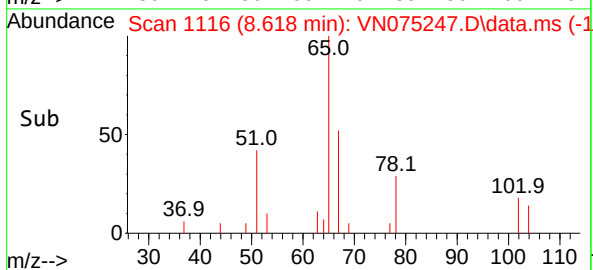
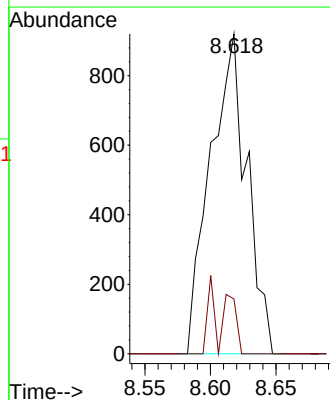
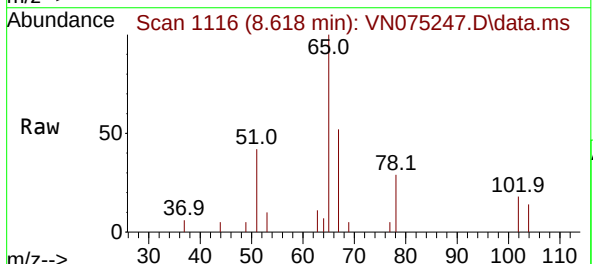
RT: 8.618 min Scan# 1116

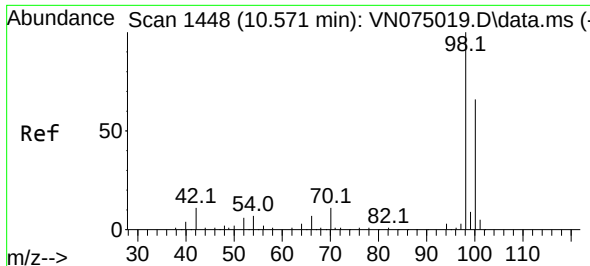
Delta R.T. 0.006 min

Lab File: VN075247.D

Acq: 11 Nov 2022 14:53

Tgt Ion: 78	Resp: 1782
Ion Ratio	Lower Upper
78 100	
77 17.2	19.4 29.0#





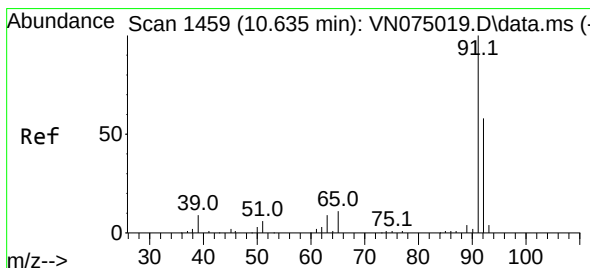
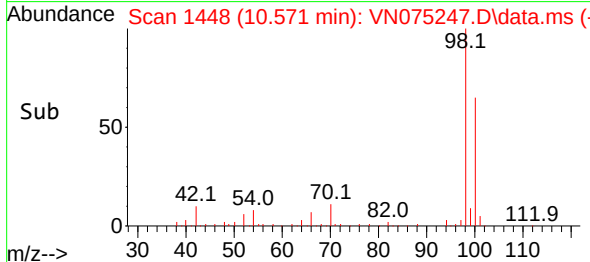
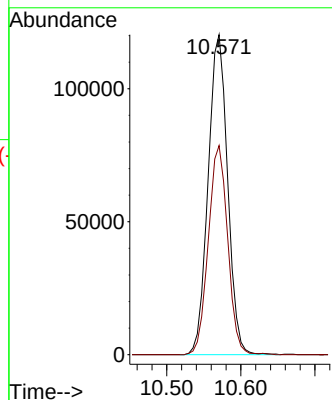
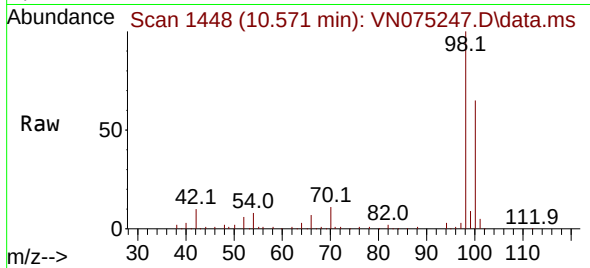
#50
Toluene-d8
Concen: 49.331 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53

Instrument :
MSVOA_N
ClientSampleId :
31880

Tgt Ion: 98 Resp: 219670
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.6

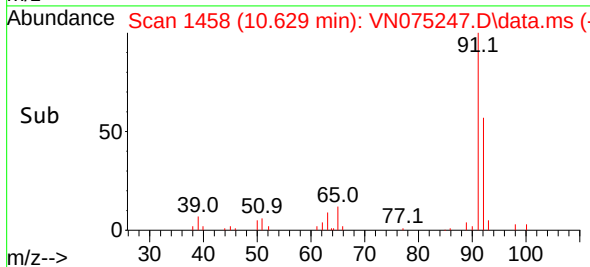
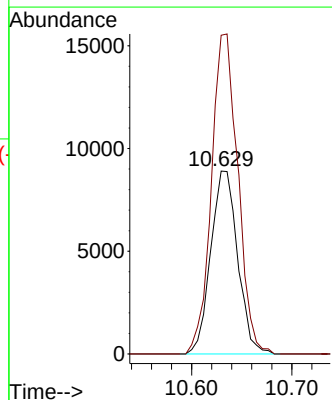
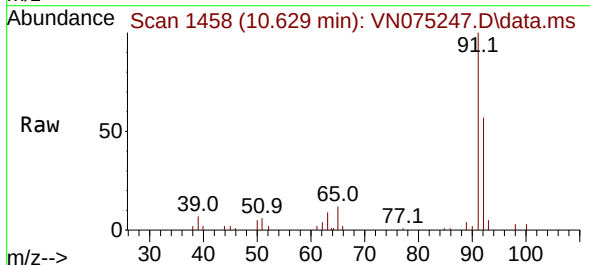
Manual Integrations
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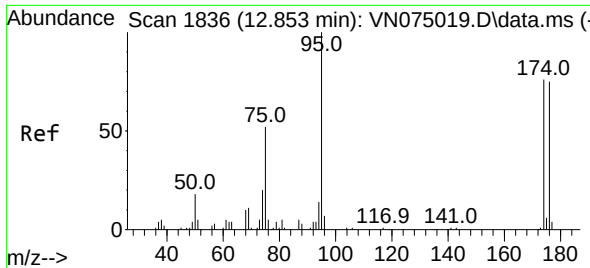
Reviewed By :John Carlone 11/14/2022
Supervised By :Mahesh Dadoda 11/14/2022



#52
Toluene
Concen: 4.563 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53

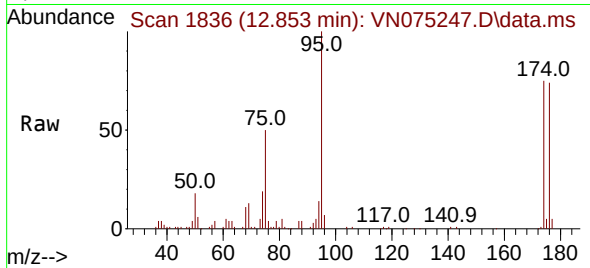
Tgt Ion: 92 Resp: 16594
Ion Ratio Lower Upper
92 100
91 172.1 135.4 203.2





#62
4-Bromofluorobenzene
Concen: 52.348 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53

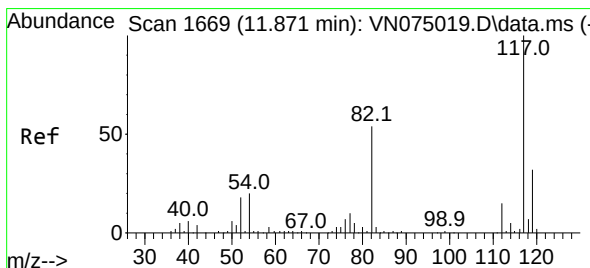
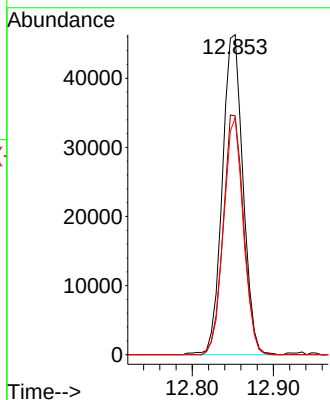
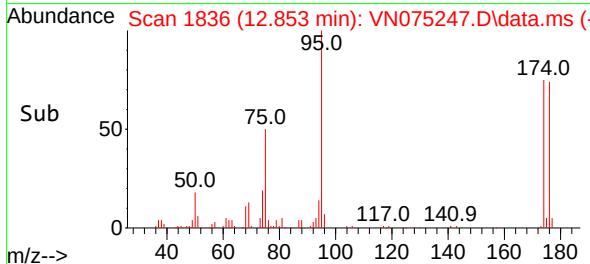
Instrument :
MSVOA_N
ClientSampleId :
31880



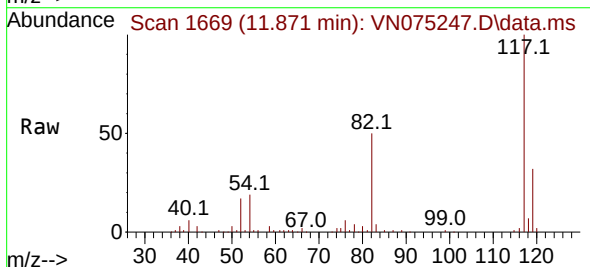
Tgt Ion: 95 Resp: 8188
Ion Ratio Lower Upper
95 100
174 74.4 0.0 147.4
176 70.9 0.0 142.2

Manual Integrations
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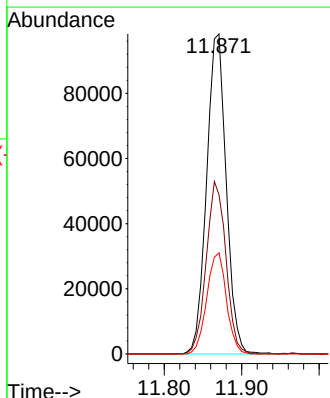
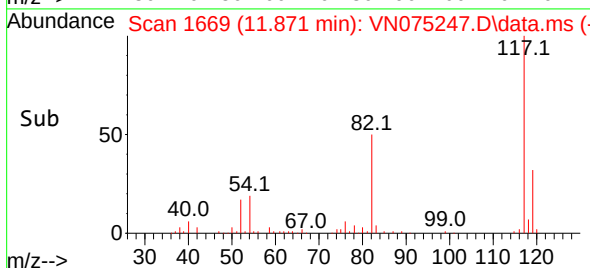
Reviewed By :John Carlone 11/14/2022
Supervised By :Mahesh Dadoda 11/14/2022

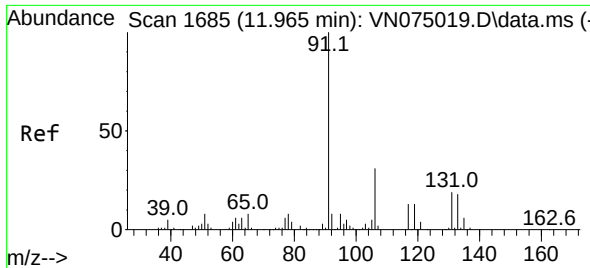


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53



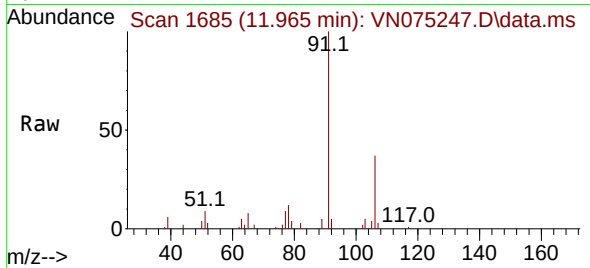
Tgt Ion:117 Resp: 172657
Ion Ratio Lower Upper
117 100
82 49.7 43.1 64.7
119 31.6 25.5 38.3





#67
Ethyl Benzene
Concen: 2.801 ug/l
RT: 11.965 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53

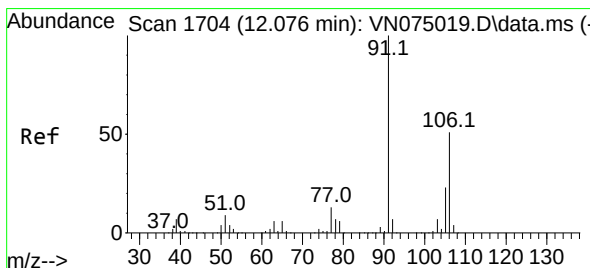
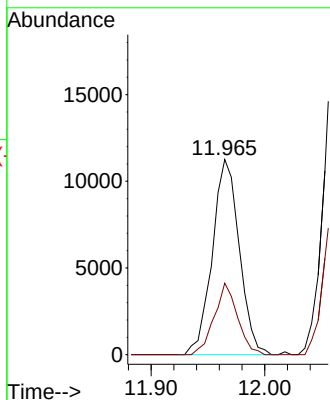
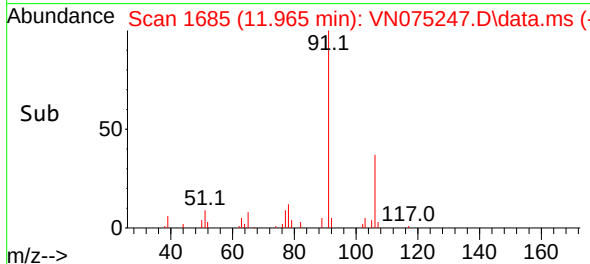
Instrument :
MSVOA_N
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31880



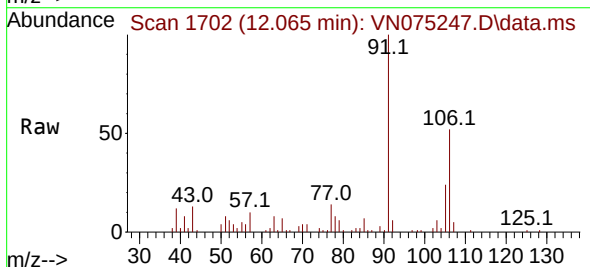
Tgt Ion: 91 Resp: 18579
Ion Ratio Lower Upper
91 100
106 36.6 24.9 37.3

Manual Integrations
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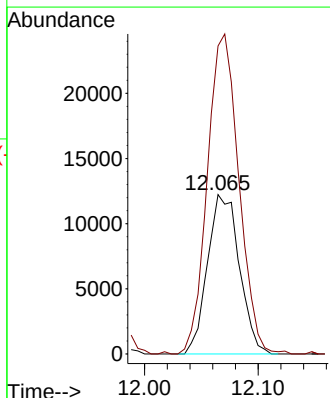
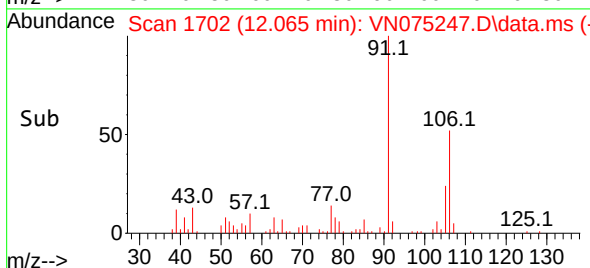
Reviewed By :John Carlone 11/14/2022
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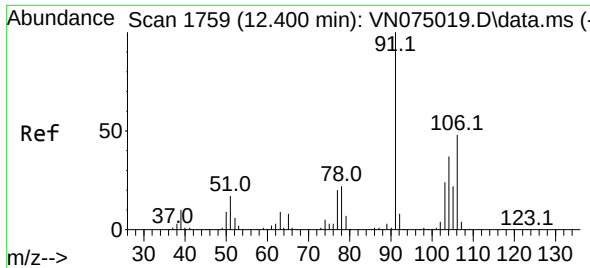


#68
m/p-Xylenes
Concen: 8.952 ug/l
RT: 12.065 min Scan# 1702
Delta R.T. -0.011 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53



Tgt Ion:106 Resp: 23818
Ion Ratio Lower Upper
106 100
91 199.0 156.0 234.0





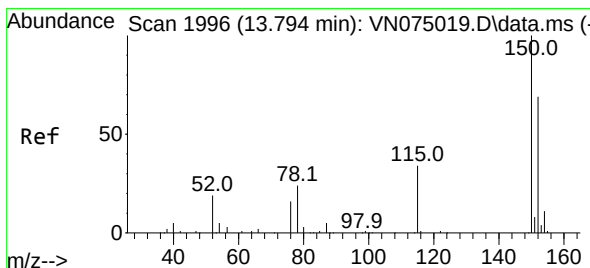
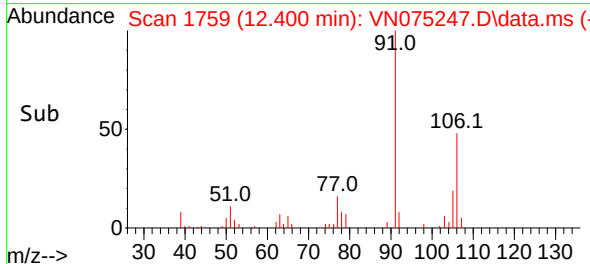
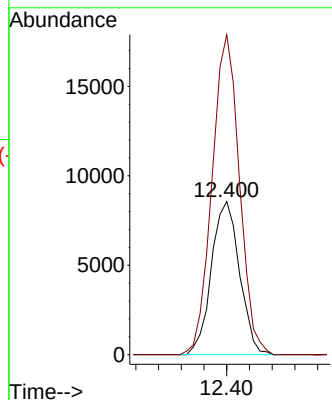
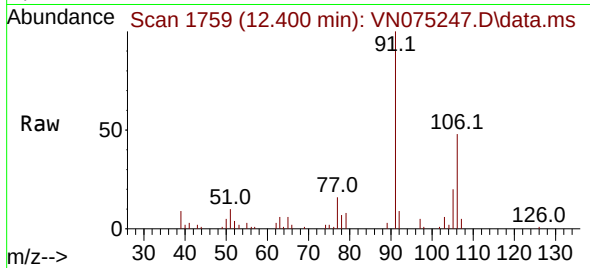
#69
o-Xylene
Concen: 5.594 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53

Instrument :
MSVOA_N
ClientSampleId :
31880

Tgt Ion:106 Resp: 14718
Ion Ratio Lower Upper
106 100
91 203.5 105.2 315.5

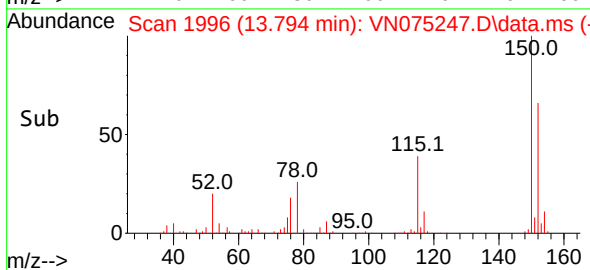
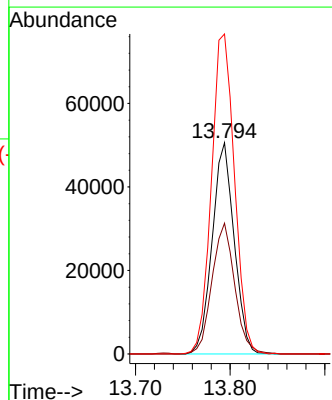
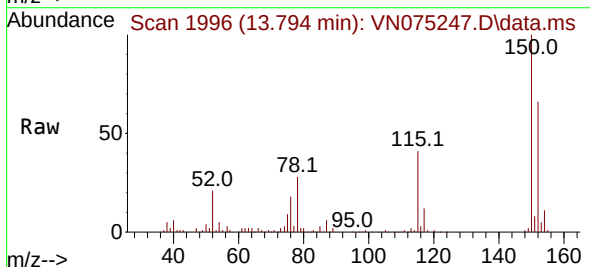
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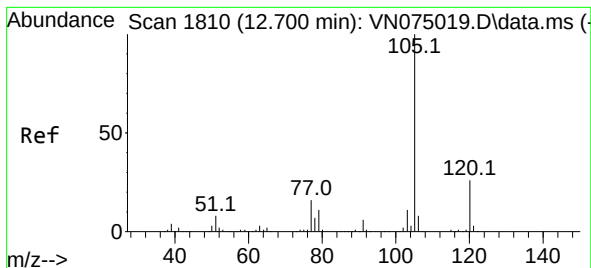
Reviewed By :John Carlone 11/14/2022
Supervised By :Mahesh Dadoda 11/14/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53

Tgt Ion:152 Resp: 81564
Ion Ratio Lower Upper
152 100
115 64.0 30.2 90.6
150 158.6 0.0 348.4





#73

Isopropylbenzene

Concen: 0.704 ug/l

RT: 12.694 min Scan# 1809

Delta R.T. -0.006 min

Lab File: VN075247.D

Acq: 11 Nov 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

31880

Tgt Ion:105 Resp: 461

Ion Ratio Lower Upper

105 100

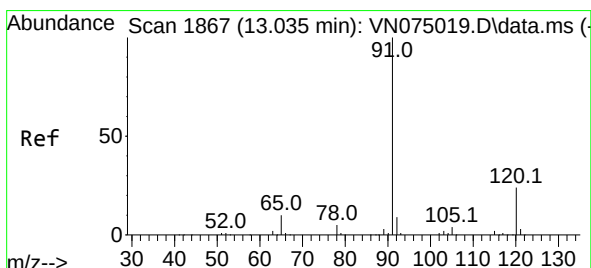
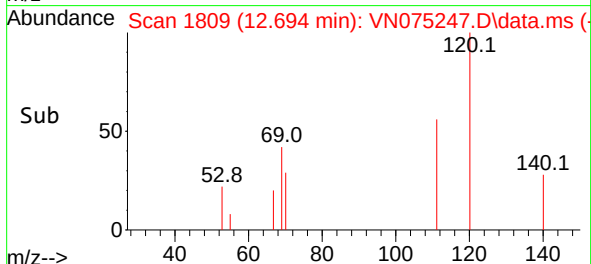
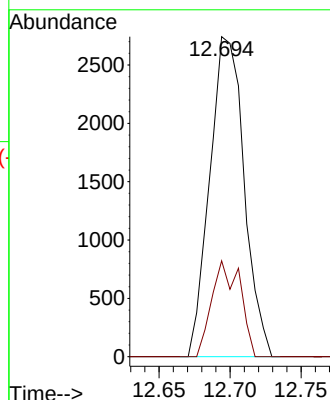
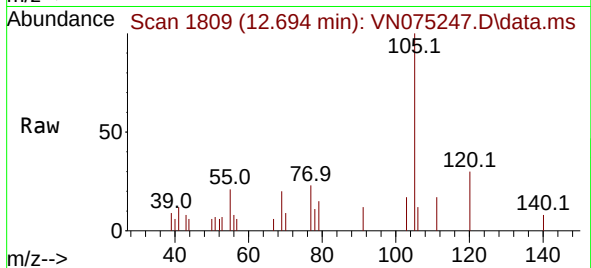
120 24.7 13.1 39.1

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Reviewed By :John Carlone 11/14/2022

Supervised By :Mahesh Dadoda 11/14/2022



#78

n-propylbenzene

Concen: 2.168 ug/l

RT: 13.035 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN075247.D

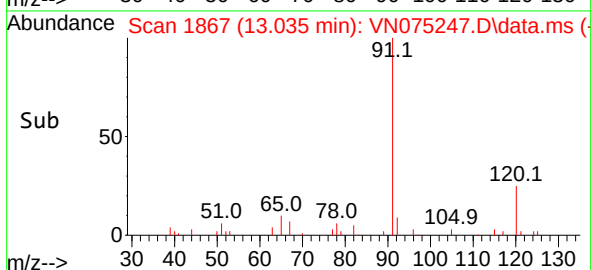
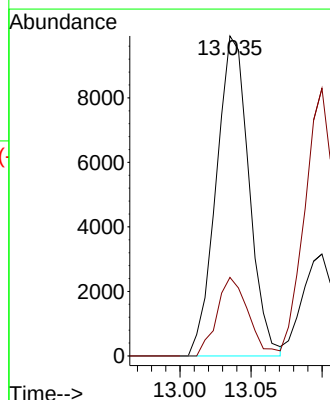
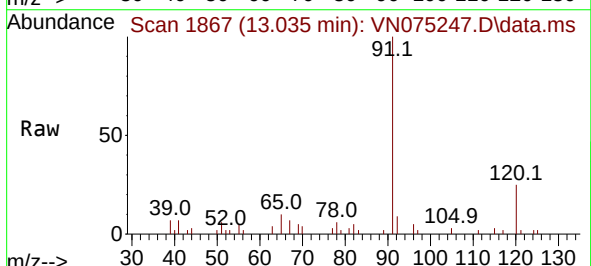
Acq: 11 Nov 2022 14:53

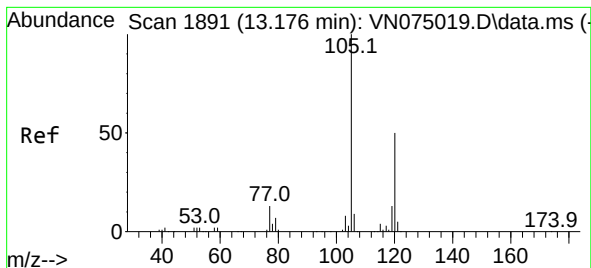
Tgt Ion: 91 Resp: 15936

Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 3.097 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. 0.000 min

Lab File: VN075247.D

Acq: 11 Nov 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

31880

Tgt Ion:105 Resp: 17035

Ion Ratio Lower Upper

105 100

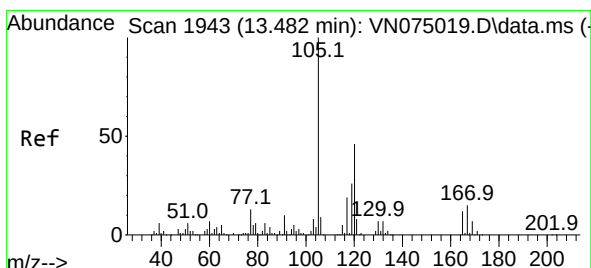
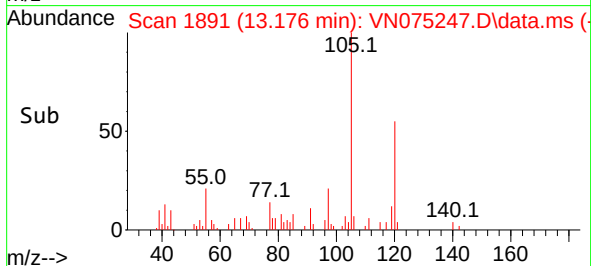
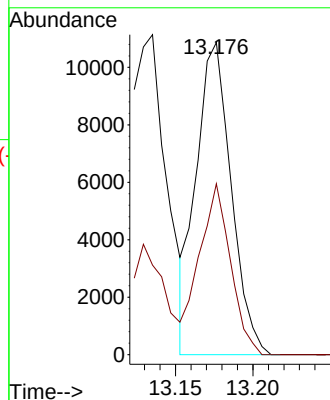
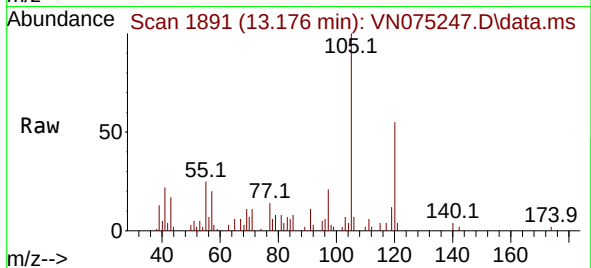
120 49.1 24.7 74.1

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Reviewed By :John Carlone 11/14/2022

Supervised By :Mahesh Dadoda 11/14/2022



#84

1,2,4-Trimethylbenzene

Concen: 12.540 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN075247.D

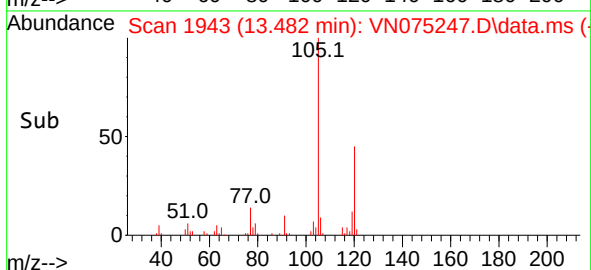
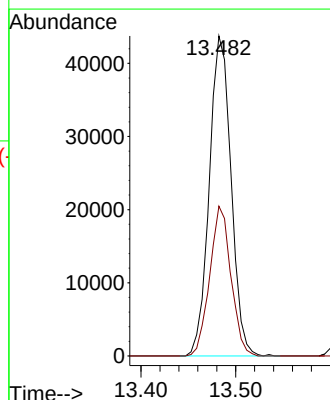
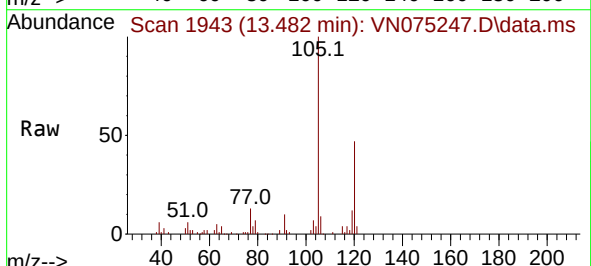
Acq: 11 Nov 2022 14:53

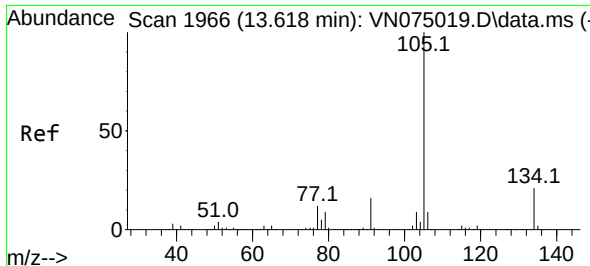
Tgt Ion:105 Resp: 69779

Ion Ratio Lower Upper

105 100

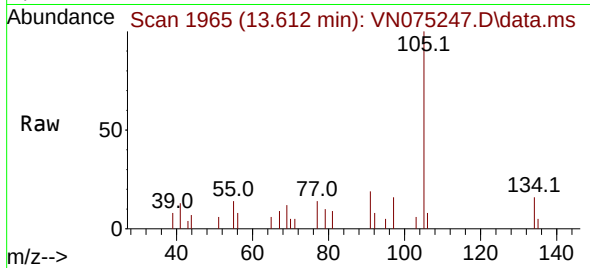
120 45.6 22.7 68.1





#85
 sec-Butylbenzene
 Concen: 0.934 ug/l
 RT: 13.612 min Scan# 1965
 Delta R.T. -0.006 min
 Lab File: VN075247.D
 Acq: 11 Nov 2022 14:53

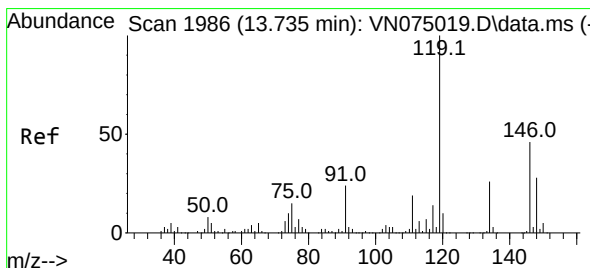
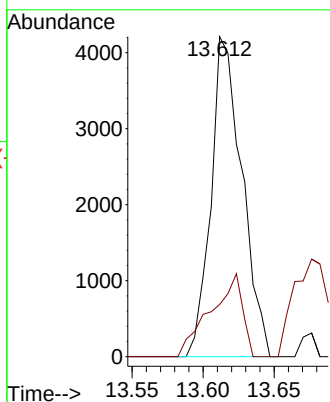
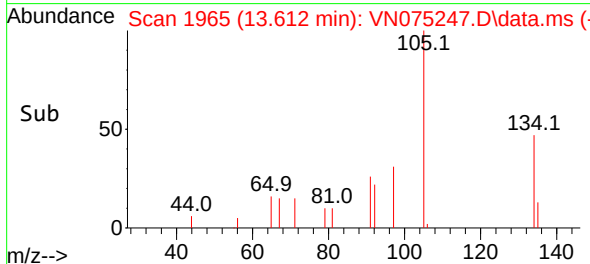
Instrument :
 MSVOA_N
 ClientSampleId :
 31880



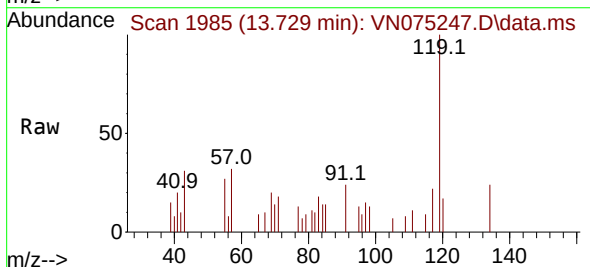
Tgt Ion:105 Resp: 6385
 Ion Ratio Lower Upper
 105 100
 134 26.6 10.2 30.6

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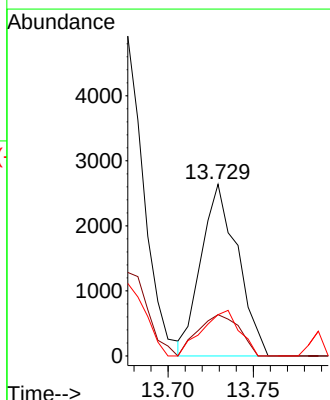
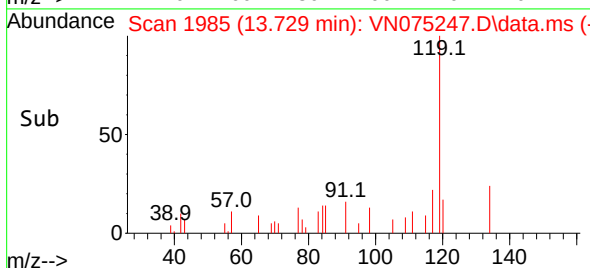
Reviewed By :John Carlone 11/14/2022
 Supervised By :Mahesh Dadoda 11/14/2022

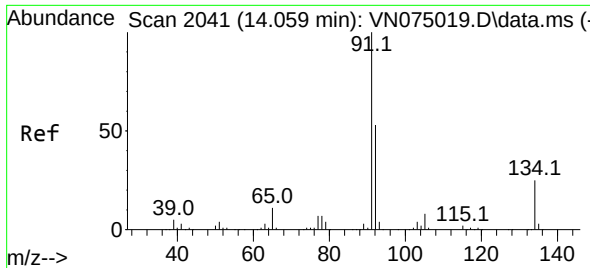


#86
 p-Isopropyltoluene
 Concen: 0.698 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. -0.006 min
 Lab File: VN075247.D
 Acq: 11 Nov 2022 14:53



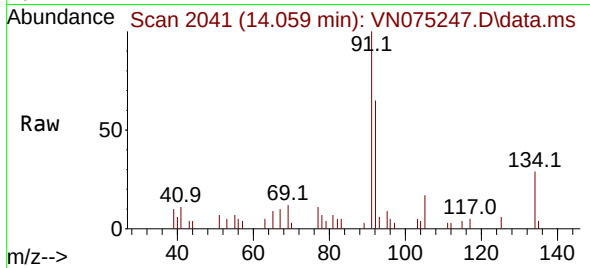
Tgt Ion:119 Resp: 3940
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.1 39.3
 91 27.1 11.9 35.5





#89
n-Butylbenzene
Concen: 1.920 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53

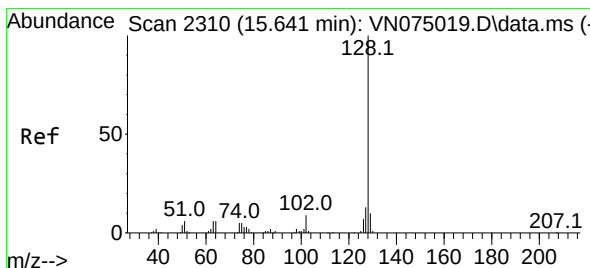
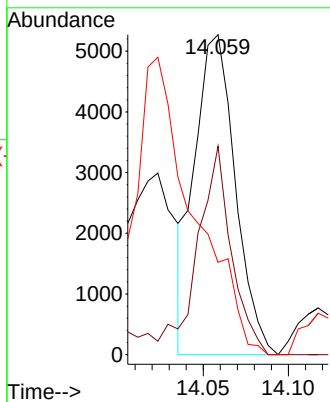
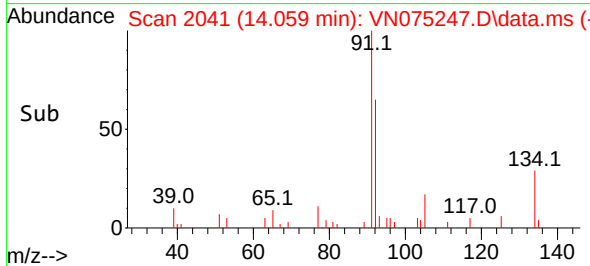
Instrument :
MSVOA_N
ClientSampleId :
31880



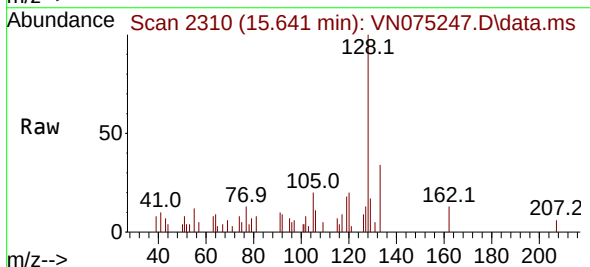
Tgt Ion: 91 Resp: 873
Ion Ratio Lower Upper
91 100
92 54.3 26.5 79.4
134 0.0 13.0 39.0

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Reviewed By :John Carlone 11/14/2022
Supervised By :Mahesh Dadoda 11/14/2022



#95
Naphthalene
Concen: 2.010 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075247.D
Acq: 11 Nov 2022 14:53



Tgt Ion:128 Resp: 9336
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 13.5 8.6 12.8

