

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060123\
 Data File : VN078013.D
 Acq On : 01 Jun 2023 16:26
 Operator : JC\MD
 Sample : 02958-01
 Misc : 1.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ORA-0588

Quant Time: Jun 02 01:53:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2023
 Supervised By :Mahesh Dadoda 06/02/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	401325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	725541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	653169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	290550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	260869	43.443	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.880%		
35) Dibromofluoromethane	8.171	113	217759	46.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.060%		
50) Toluene-d8	10.576	98	881048	48.381	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.760%		
62) 4-Bromofluorobenzene	12.859	95	342925	53.319	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.640%		
Target Compounds					Qvalue	
16) Acetone	4.477	43	13006m	6.884	ug/l	
31) Cyclohexane	8.218	56	312703	38.315	ug/l #	39
39) Methylcyclohexane	9.606	83	220947	26.080	ug/l	92
52) Toluene	10.641	92	13449153	1057.903	ug/l	80
67) Ethyl Benzene	11.970	91	668252	26.335	ug/l	98
68) m/p-Xylenes	12.076	106	718645	74.743	ug/l	98
69) o-Xylene	12.406	106	326836	34.565	ug/l	97
73) Isopropylbenzene	12.706	105	140085	5.593	ug/l	98
78) n-propylbenzene	13.041	91	441042	14.937	ug/l	100
80) 1,3,5-Trimethylbenzene	13.182	105	393040	18.672	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	1521528	73.496	ug/l	98
85) sec-Butylbenzene	13.623	105	122415	4.687	ug/l	83
86) p-Isopropyltoluene	13.735	119	70018	3.363	ug/l	98
89) n-Butylbenzene	14.064	91	179160m	9.356	ug/l	
95) Naphthalene	15.647	128	220542	11.104	ug/l #	95

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

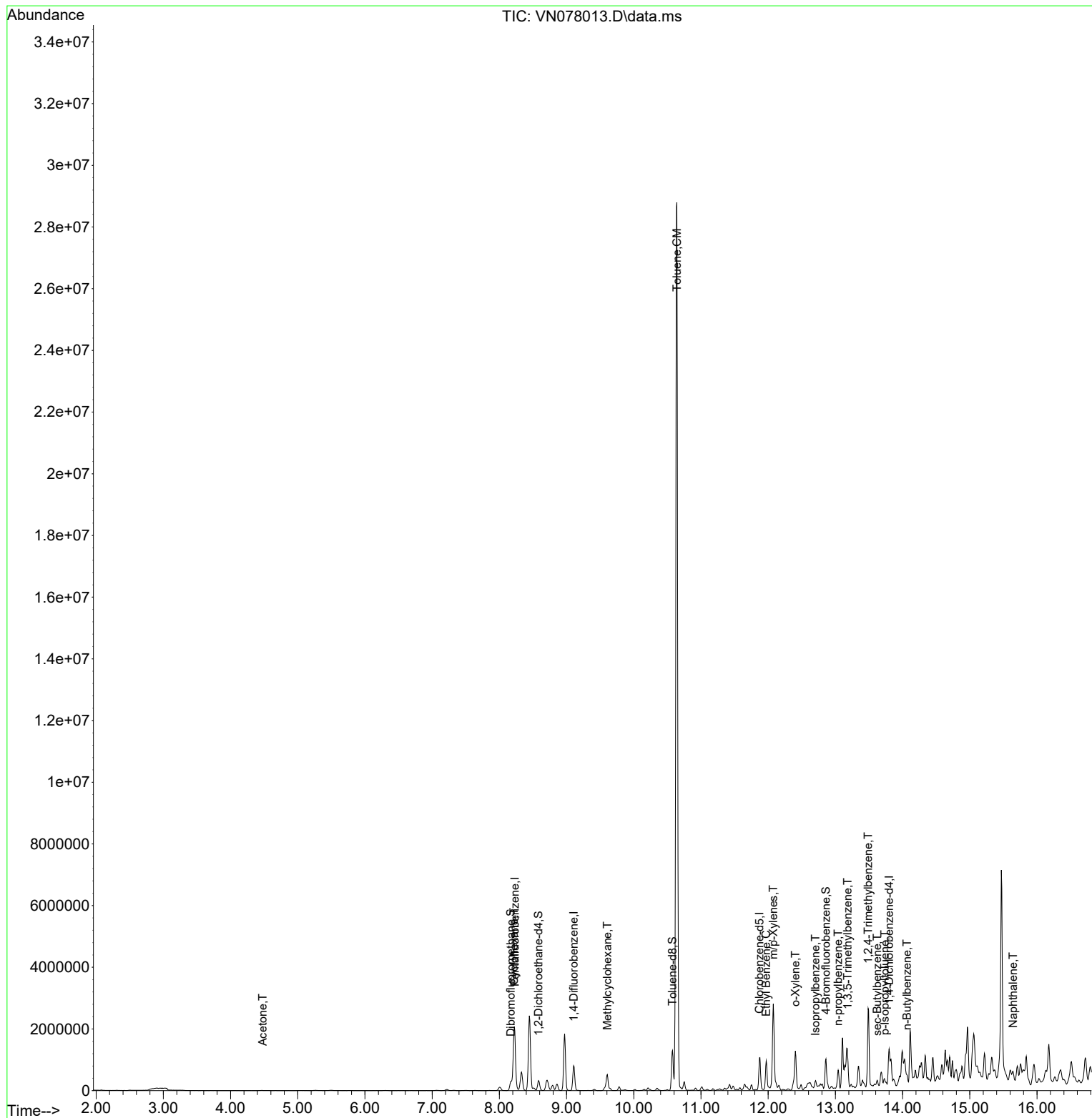
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060123\
Data File : VN078013.D
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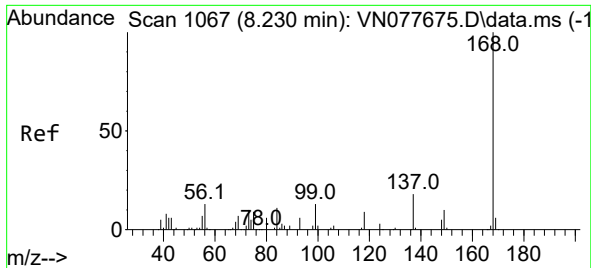
Instrument :
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ORA-0588

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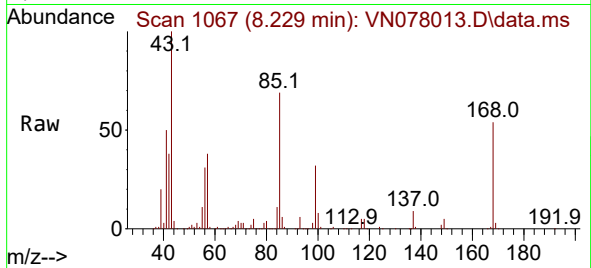
Quant Time: Jun 02 01:53:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

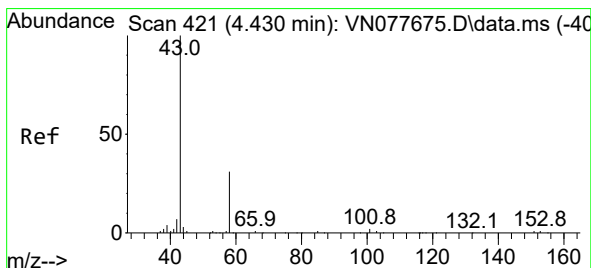
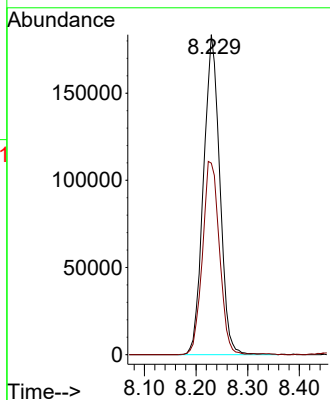
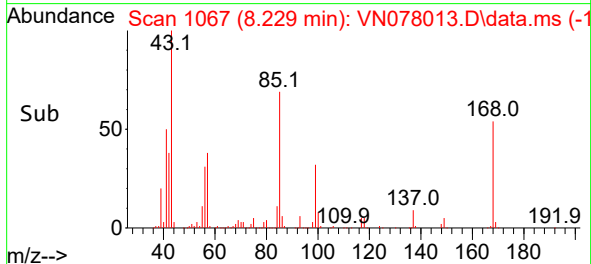
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588



Tgt Ion:168 Resp: 40132
Ion Ratio Lower Upper
168 100
99 59.9 53.0 79.6

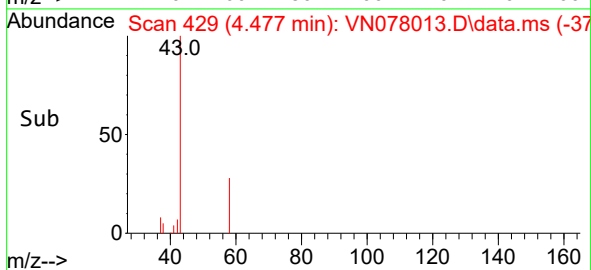
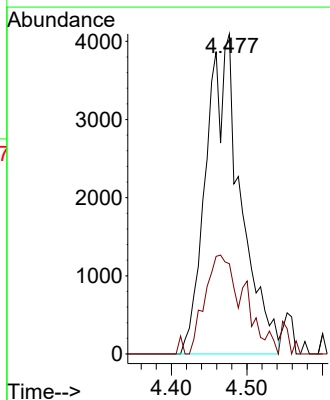
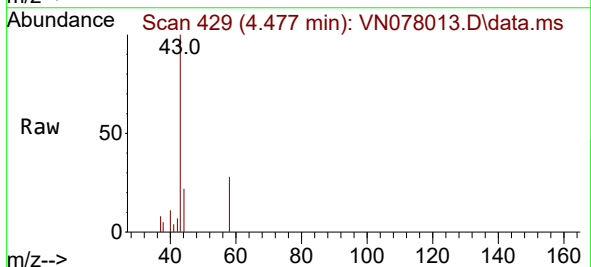
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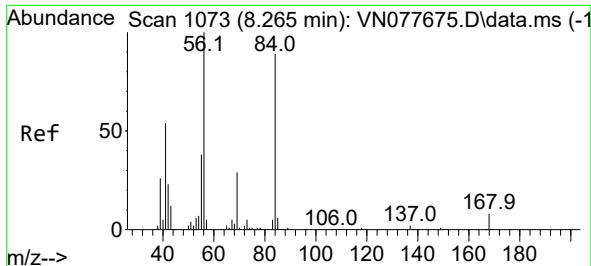
Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023



#16
Acetone
Concen: 6.884 ug/l m
RT: 4.477 min Scan# 429
Delta R.T. 0.047 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

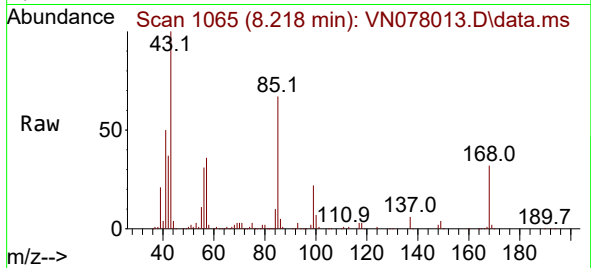
Tgt Ion: 43 Resp: 13006
Ion Ratio Lower Upper
43 100
58 28.2 28.0 42.0





#31
Cyclohexane
Concen: 38.315 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.047 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

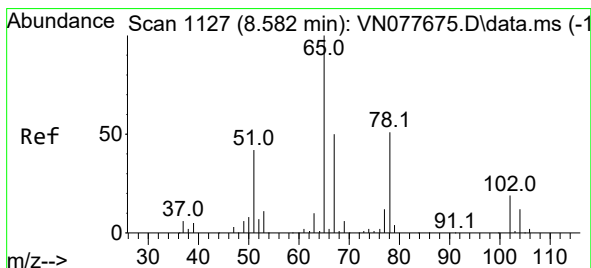
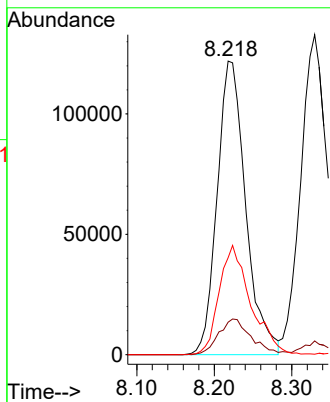
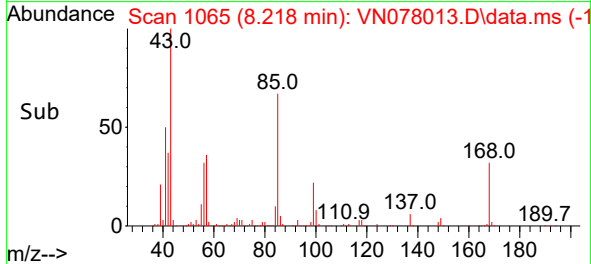
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588



Tgt Ion: 56 Resp: 31270
Ion Ratio Lower Upper
56 100
69 11.1 26.8 40.2
84 33.0 81.8 122.6

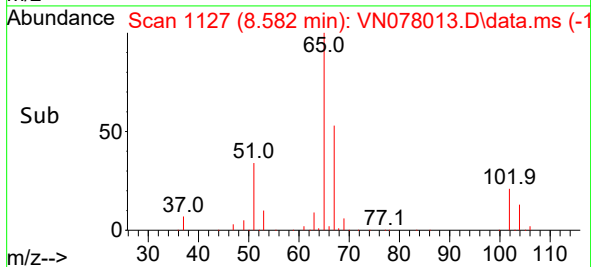
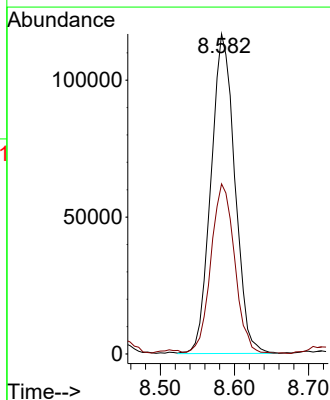
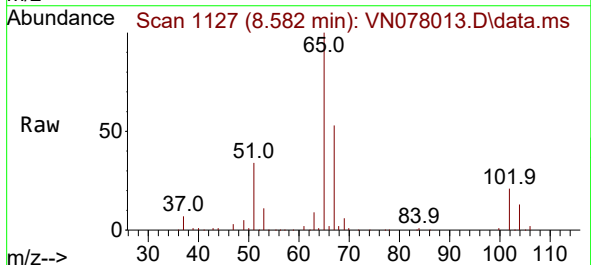
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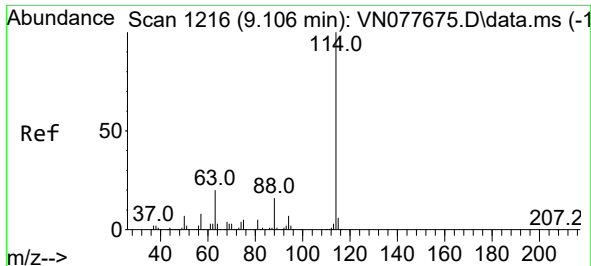
Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023



#33
1,2-Dichloroethane-d4
Concen: 43.443 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 65 Resp: 260869
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6





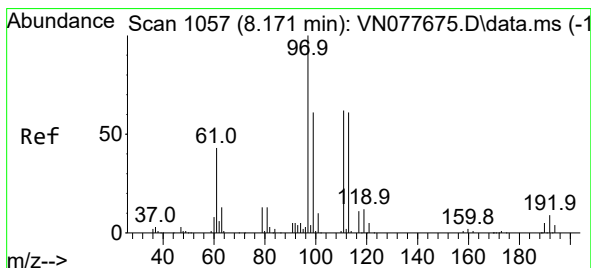
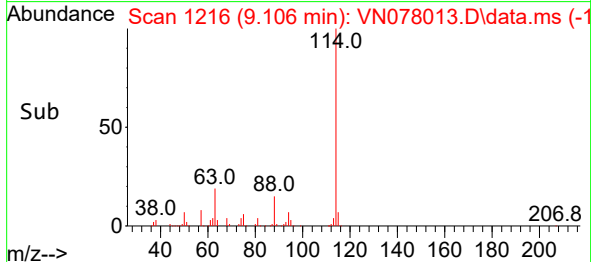
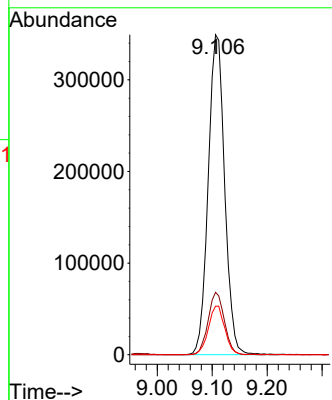
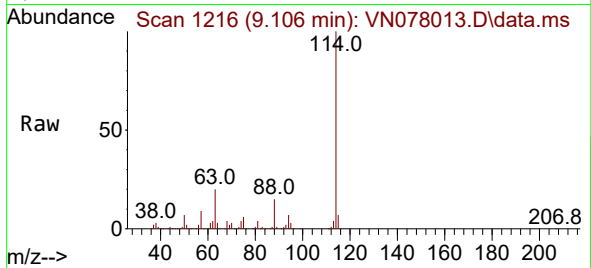
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

Tgt Ion:114 Resp: 72554
Ion Ratio Lower Upper
114 100
63 19.5 0.0 36.4
88 15.1 0.0 30.6

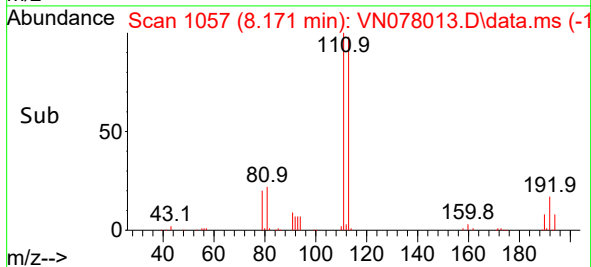
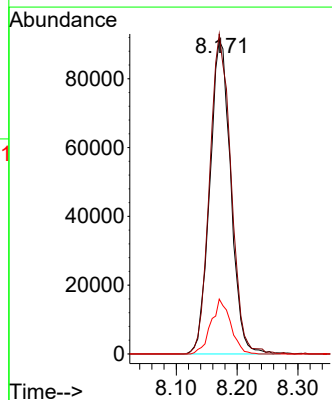
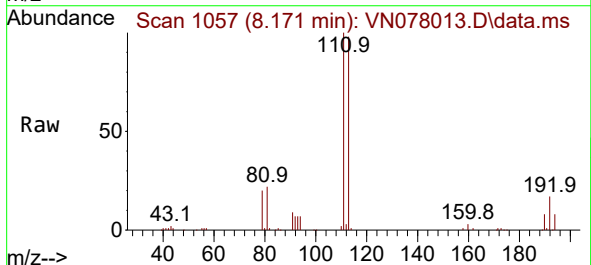
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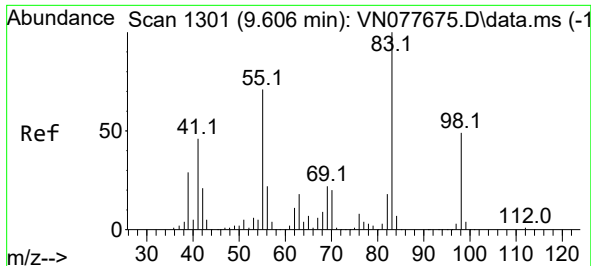
Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023



#35
Dibromofluoromethane
Concen: 46.026 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

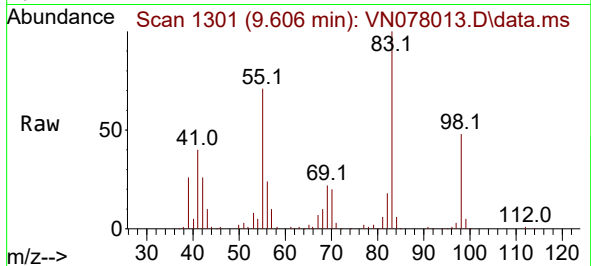
Tgt Ion:113 Resp: 217759
Ion Ratio Lower Upper
113 100
111 104.3 82.6 123.8
192 16.3 12.7 19.1





#39
Methylcyclohexane
Concen: 26.080 ug/l
RT: 9.606 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

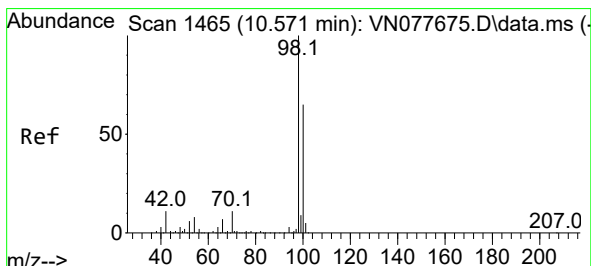
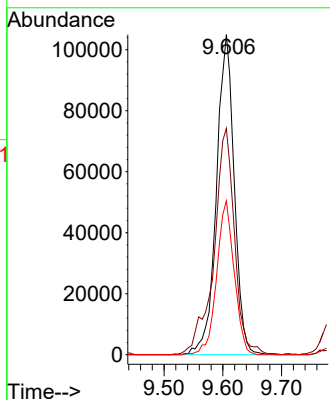
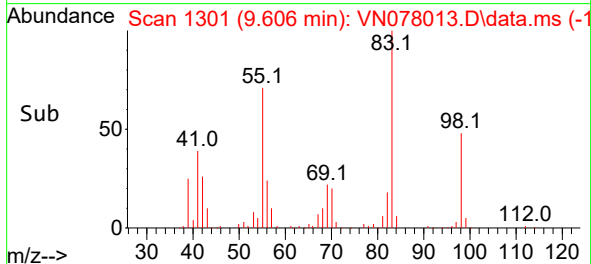
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588



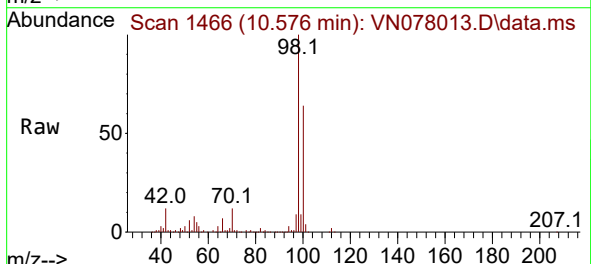
Tgt Ion: 83 Resp: 22094
Ion Ratio Lower Upper
83 100
55 70.5 49.1 73.7
98 48.1 40.6 61.0

Manual Integrations
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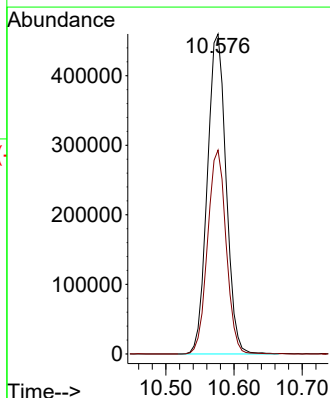
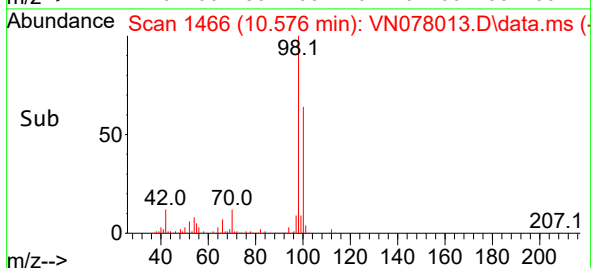
Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023

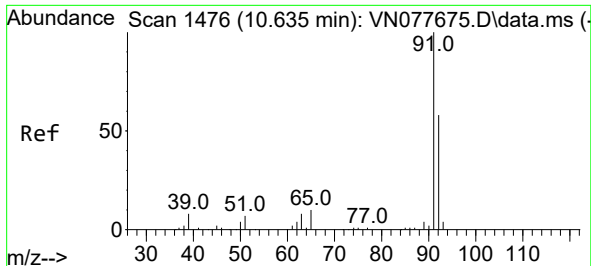


#50
Toluene-d8
Concen: 48.381 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26



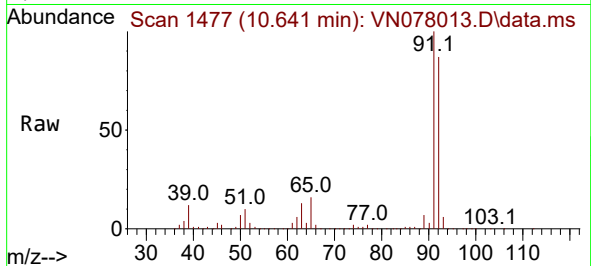
Tgt Ion: 98 Resp: 881048
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0





#52
Toluene
Concen: 1057.903 ug/l
RT: 10.641 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

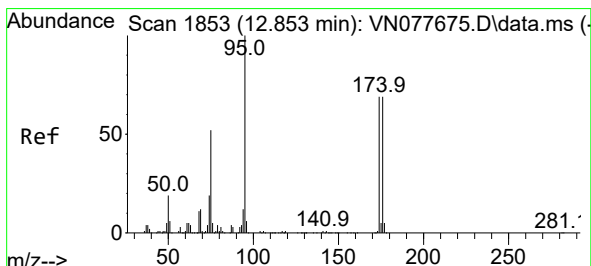
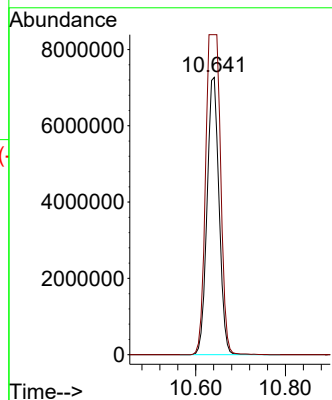
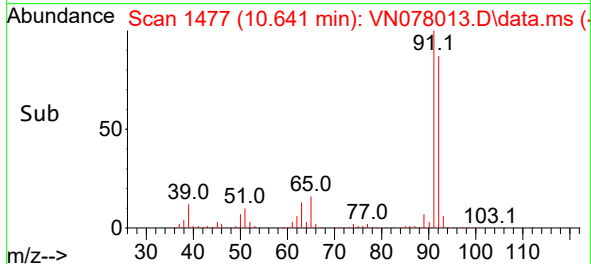
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588



Tgt Ion: 92 Resp:1344915
Ion Ratio Lower Upper
92 100
91 144.5 137.4 206.0

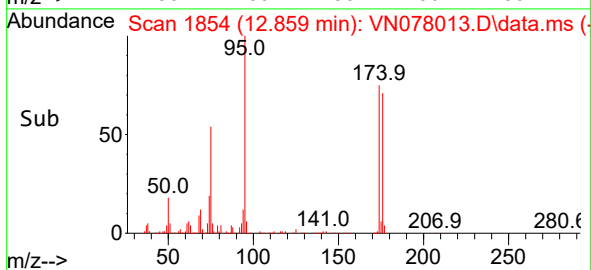
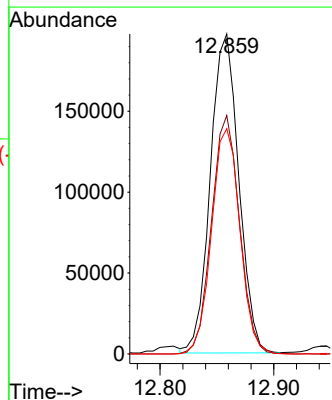
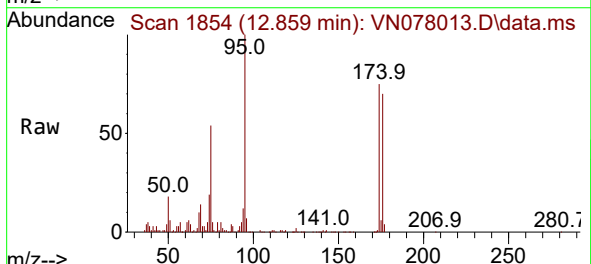
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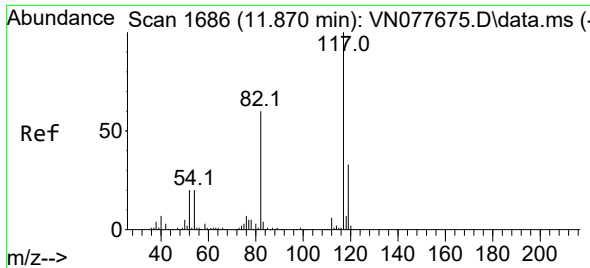
Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023



#62
4-Bromofluorobenzene
Concen: 53.319 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

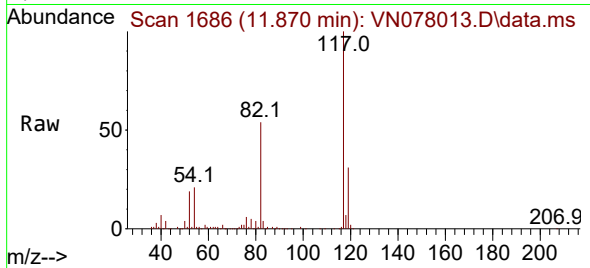
Tgt Ion: 95 Resp: 342925
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.8
176 70.3 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

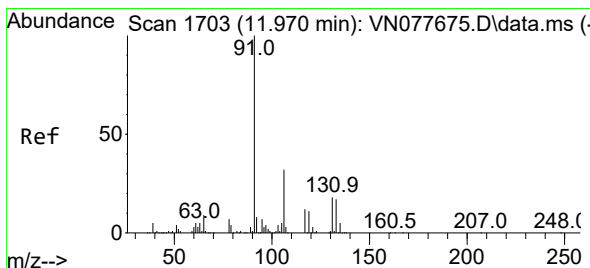
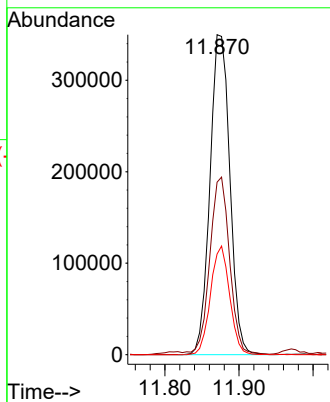
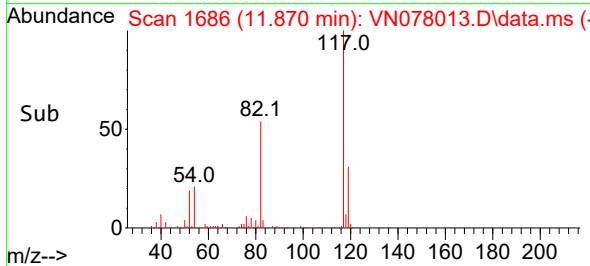
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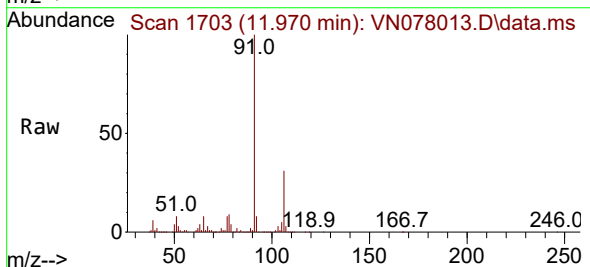
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Ion Ratio Lower Upper
117 100
82 53.4 44.0 66.0
119 31.5 25.6 38.4

Manual Integrations
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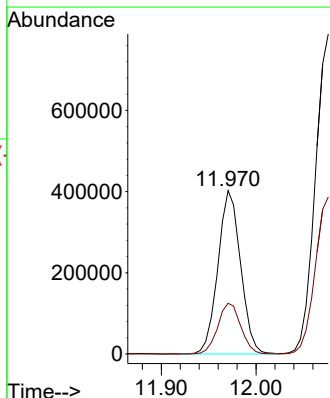
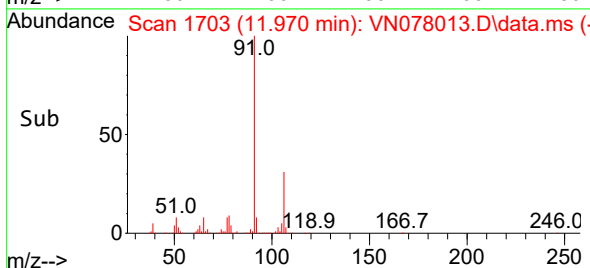
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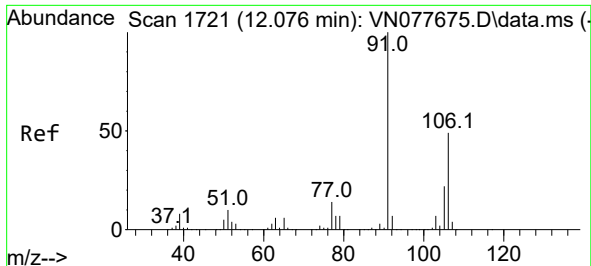


#67
Ethyl Benzene
Concen: 26.335 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26



Tgt Ion: 91 Resp: 668252
Ion Ratio Lower Upper
91 100
106 31.1 25.6 38.4





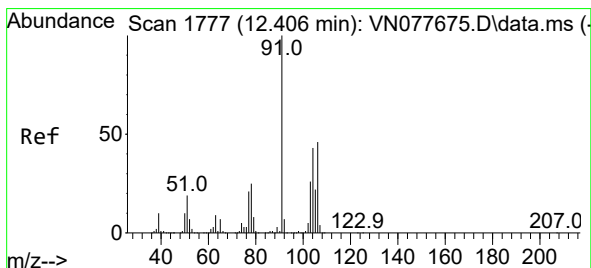
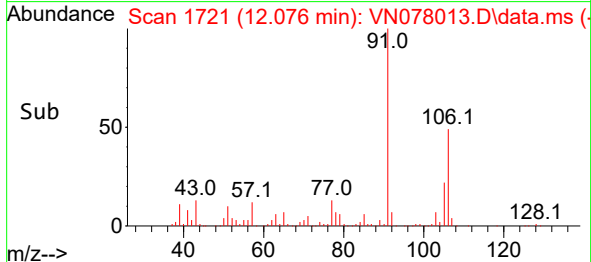
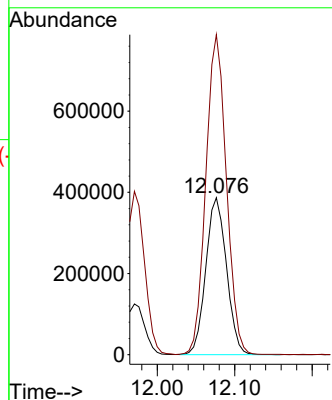
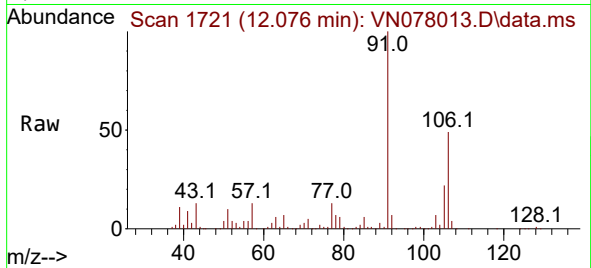
#68
m/p-Xylenes
Concen: 74.743 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

Tgt Ion:106 Resp: 71864
Ion Ratio Lower Upper
106 100
91 202.1 159.6 239.4

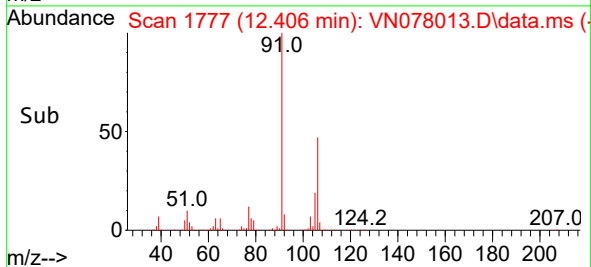
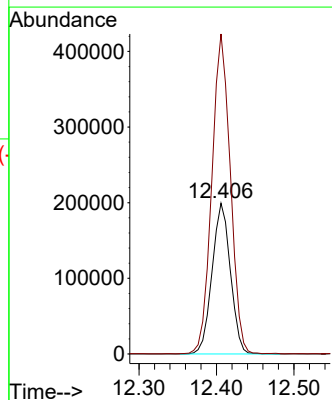
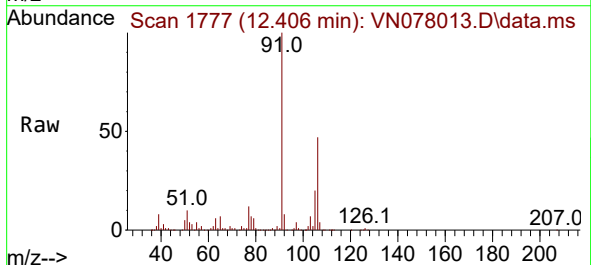
Manual Integrations
APPROVED

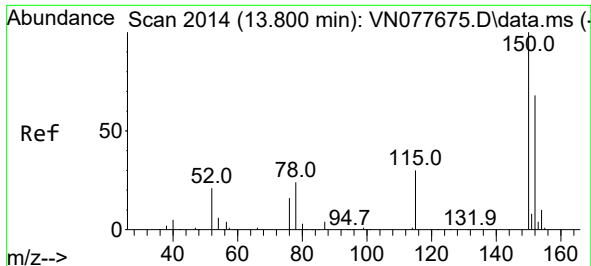
Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023



#69
o-Xylene
Concen: 34.565 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

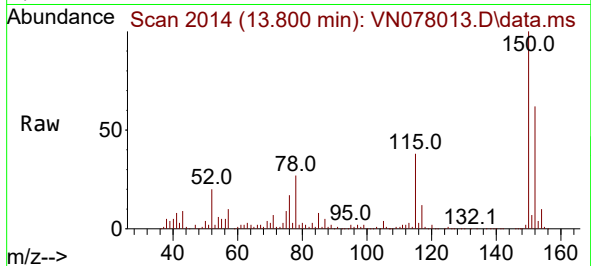
Tgt Ion:106 Resp: 326836
Ion Ratio Lower Upper
106 100
91 214.9 105.2 315.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

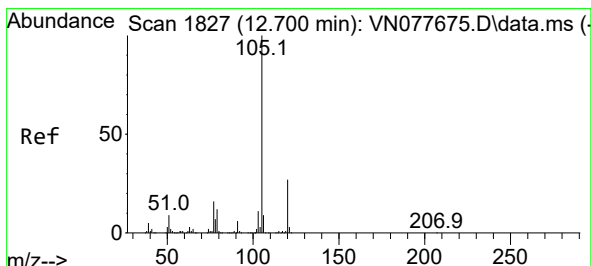
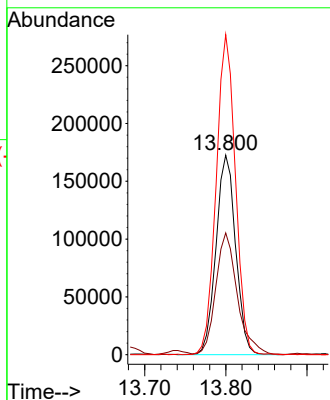
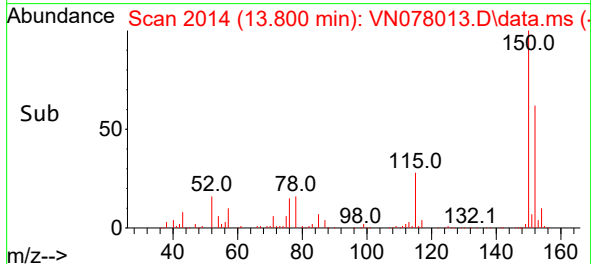
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588



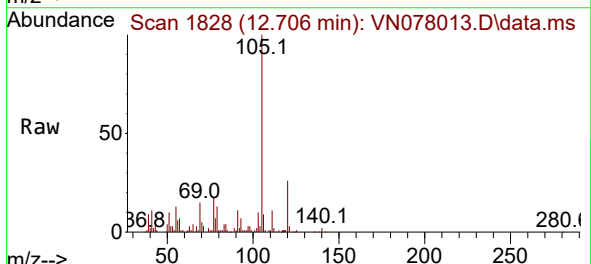
Tgt Ion:152 Resp: 290550
Ion Ratio Lower Upper
152 100
115 66.6 32.3 96.8
150 157.2 0.0 355.8

Manual Integrations
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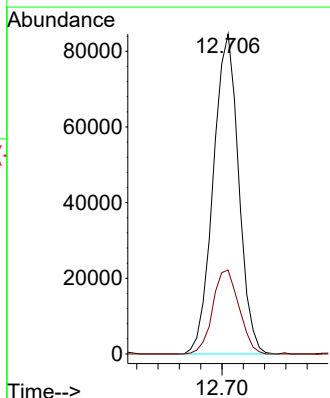
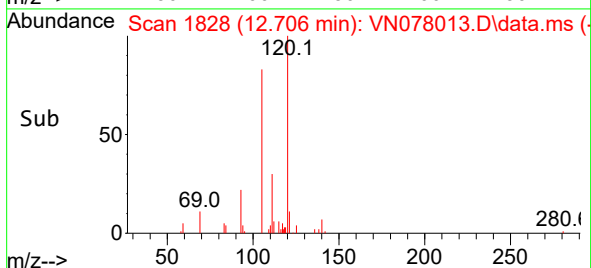
Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023

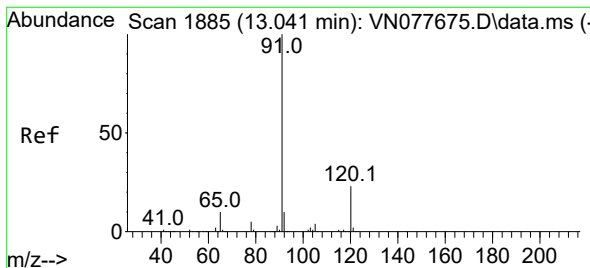


#73
Isopropylbenzene
Concen: 5.593 ug/l
RT: 12.706 min Scan# 1828
Delta R.T. 0.006 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26



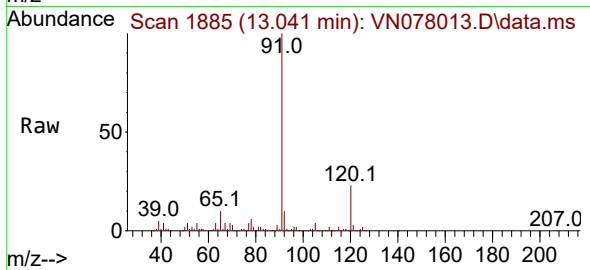
Tgt Ion:105 Resp: 140085
Ion Ratio Lower Upper
105 100
120 27.1 13.1 39.1





#78
n-propylbenzene
Concen: 14.937 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

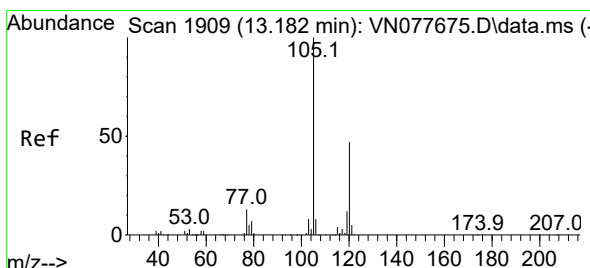
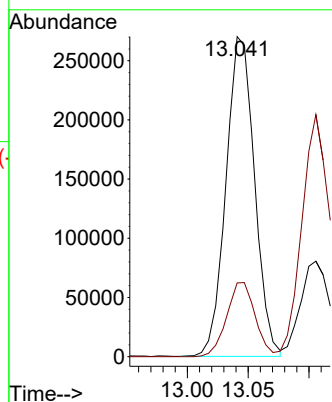
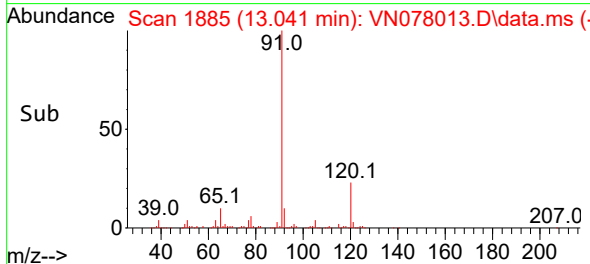
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588



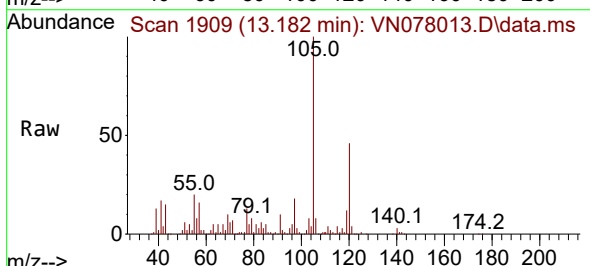
Tgt Ion: 91 Resp: 44104
Ion Ratio Lower Upper
91 100
120 23.1 11.5 34.4

Manual Integrations
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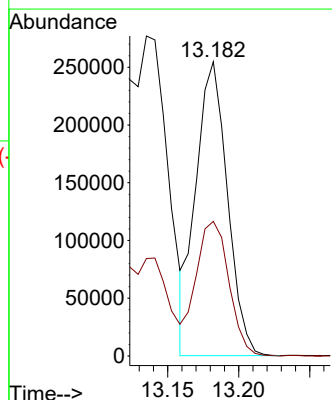
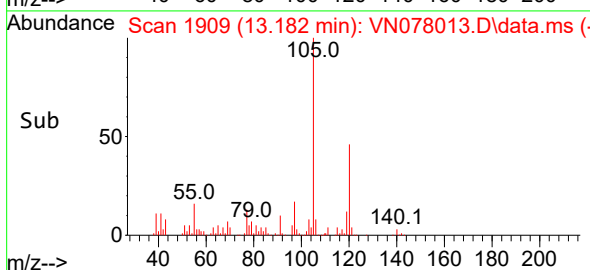
Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023

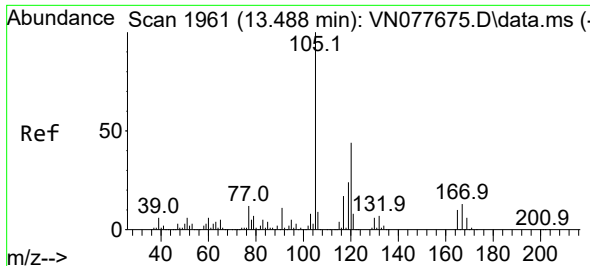


#80
1,3,5-Trimethylbenzene
Concen: 18.672 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26



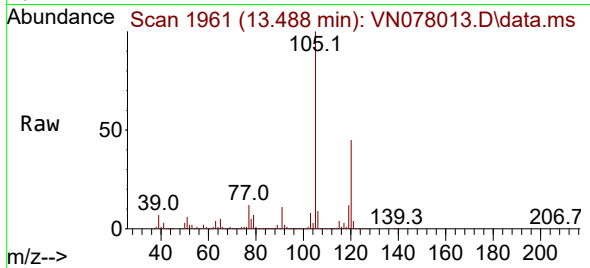
Tgt Ion:105 Resp: 393040
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.3





#84
1,2,4-Trimethylbenzene
Concen: 73.496 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

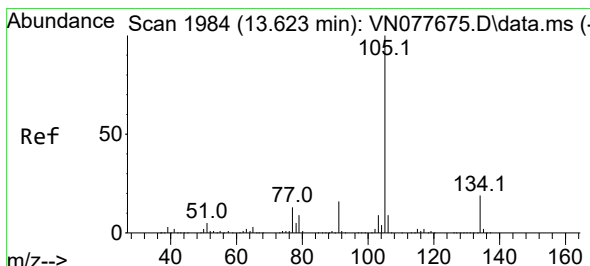
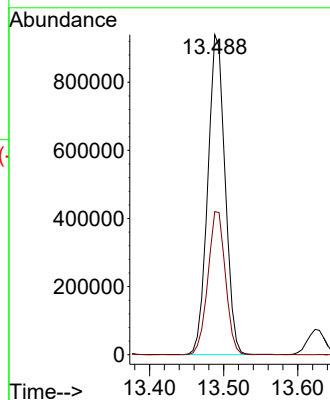
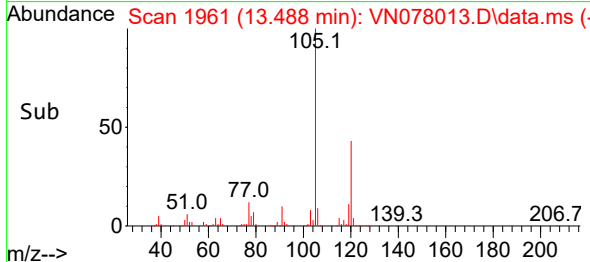
Instrument :
MSVOA_N
ClientSampleId :
ORA-0588



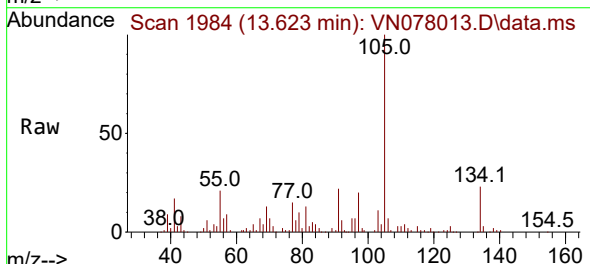
Tgt Ion:105 Resp: 1521528
Ion Ratio Lower Upper
105 100
120 45.4 22.0 66.0

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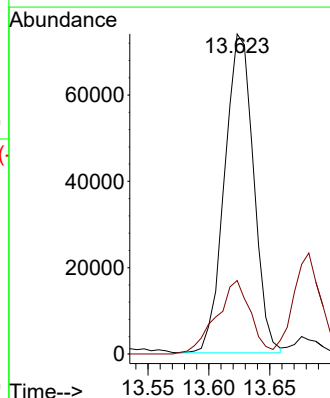
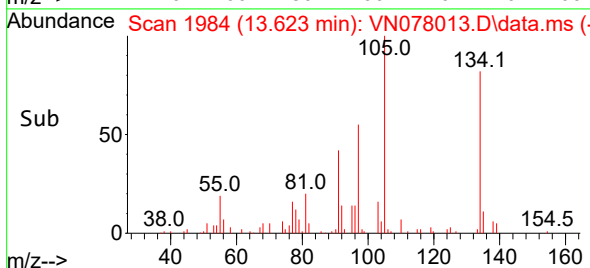
Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023

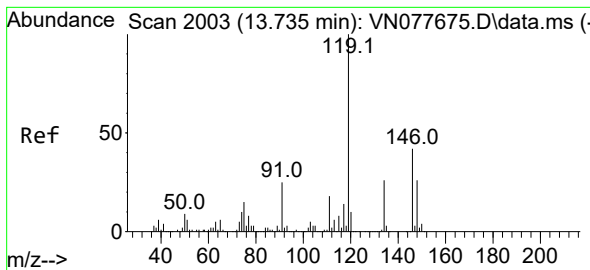


#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 13.623 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26



Tgt Ion:105 Resp: 122415
Ion Ratio Lower Upper
105 100
134 27.0 9.8 29.3





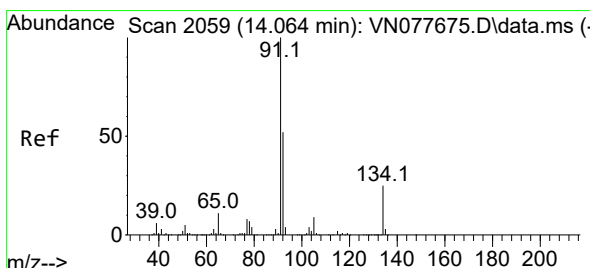
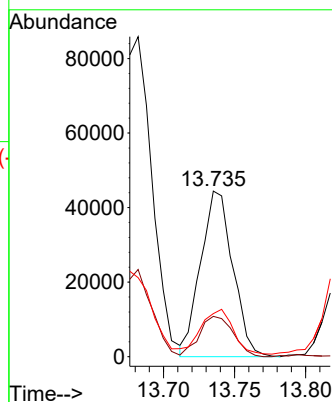
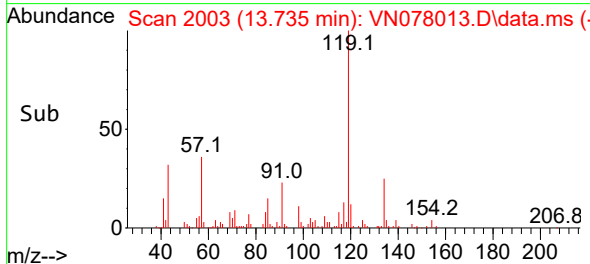
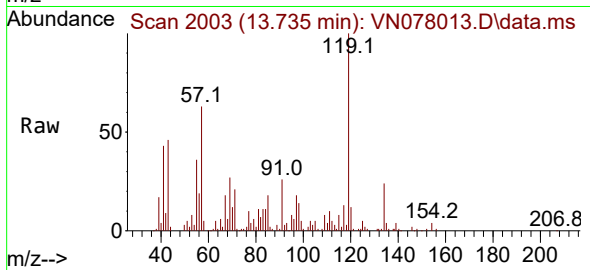
#86
p-Isopropyltoluene
Concen: 3.363 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Instrument :
MSVOA_N
ClientSampleId :
ORA-0588

Tgt Ion: 119 Resp: 70018
Ion Ratio Lower Upper
119 100
134 25.7 12.6 37.8
91 26.6 12.4 37.2

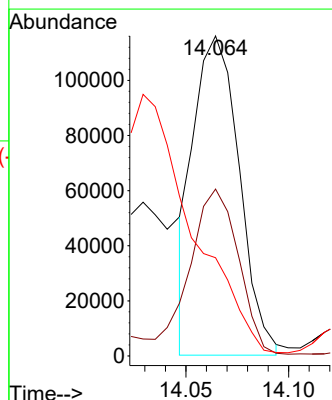
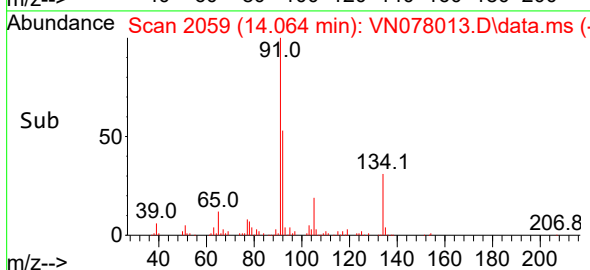
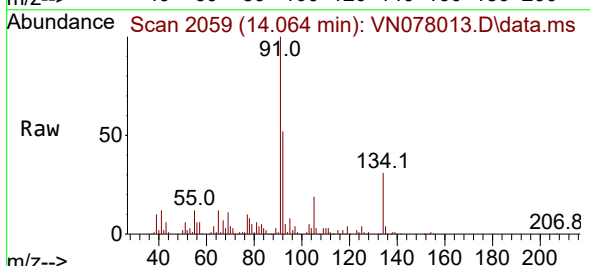
Manual Integrations
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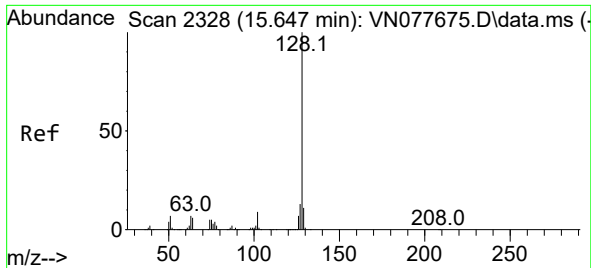
Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023



#89
n-Butylbenzene
Concen: 9.356 ug/l m
RT: 14.064 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

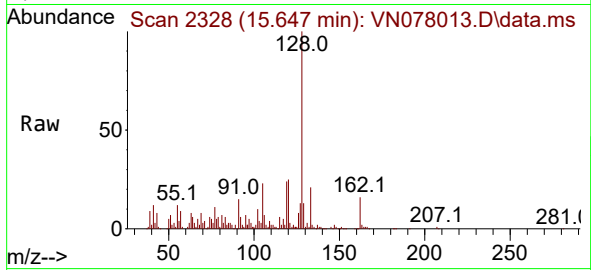
Tgt Ion: 91 Resp: 179160
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.0#
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 11.104 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078013.D
Acq: 01 Jun 2023 16:26

Instrument :
MSVOA_N
ClientSampleId :
ORA-0588



Tgt Ion:128 Resp: 220542
Ion Ratio Lower Upper
128 100
127 11.7 10.0 15.0
129 13.9 8.7 13.1

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Reviewed By :John Carlone 06/02/2023
Supervised By :Mahesh Dadoda 06/02/2023

