

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074275.D
 Acq On : 02 Sep 2022 05:21
 Operator : JC\MD
 Sample : N4354-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-33

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Sep 02 08:40:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	192246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	363007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	342366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	162154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	146137	49.003	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.000%		
35) Dibromofluoromethane	7.951	113	121034	51.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.480%		
50) Toluene-d8	10.381	98	436298	46.901	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.800%		
62) 4-Bromofluorobenzene	12.669	95	166309	58.789	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.580%		
Target Compounds					Qvalue	
22) Diisopropyl ether	6.416	45	4611	0.450	ug/l #	83
31) Cyclohexane	8.010	56	16688	3.387	ug/l #	64
39) Methylcyclohexane	9.398	83	33364	7.416	ug/l	94
40) Benzene	8.398	78	3666m	0.305	ug/l	
52) Toluene	10.445	92	2589	0.365	ug/l	98
67) Ethyl Benzene	11.786	91	10201	0.738	ug/l #	46
68) m/p-Xylenes	11.892	106	9084	1.769	ug/l	98
69) o-Xylene	12.222	106	14829	2.898	ug/l	92
73) Isopropylbenzene	12.516	105	19986	1.439	ug/l	86
78) n-propylbenzene	12.857	91	92061	5.816	ug/l	95
80) 1,3,5-Trimethylbenzene	12.998	105	116231	10.292	ug/l	96
84) 1,2,4-Trimethylbenzene	13.304	105	240906	22.102	ug/l	98
85) sec-Butylbenzene	13.439	105	24115	1.779	ug/l #	64
86) p-Isopropyltoluene	13.557	119	11025	1.046	ug/l	97
89) n-Butylbenzene	13.880	91	25887	2.819	ug/l #	67
95) Naphthalene	15.433	128	22487	2.937	ug/l #	92

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

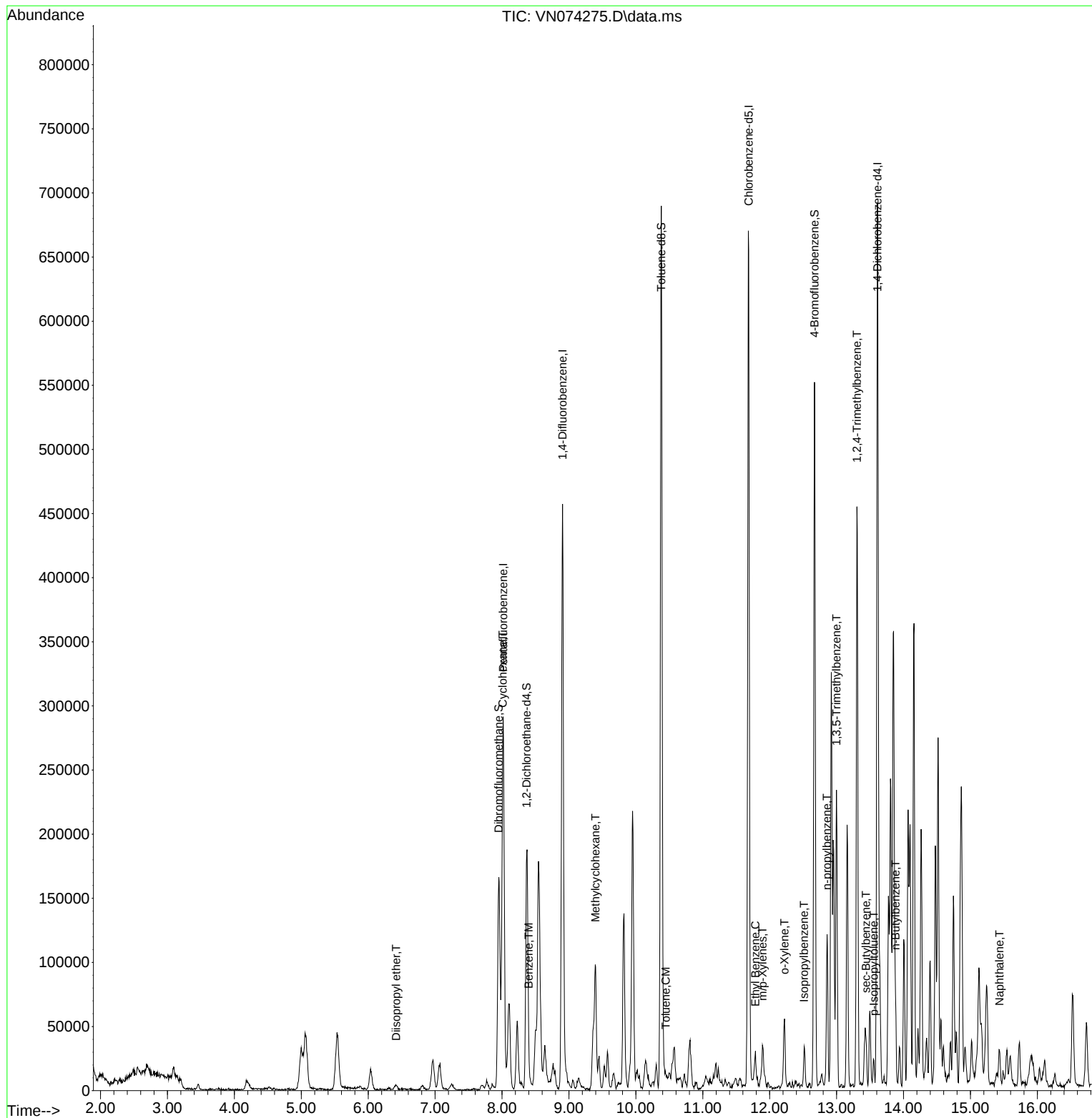
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
Data File : VN074275.D
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Misc : 5.0mL/MSVOA_N/WATER
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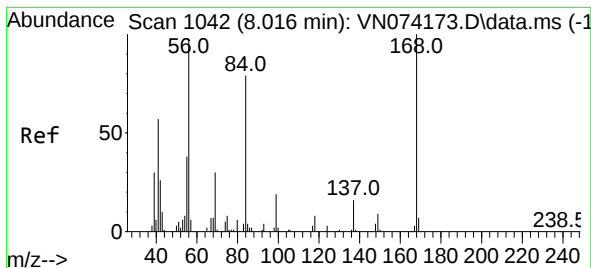
Instrument :
MSVOA_N
ClientSampleId :
MW-33

Quant Time: Sep 02 08:40:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
Quant Title : SW846 8260
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Supervised By :Mahesh Dadoda 09/02/2022





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN074275.D

Acq: 02 Sep 2022 05:21

Instrument :

MSVOA_N

ClientSampleId :

MW-33

Tgt Ion:168 Resp: 192240

Ion Ratio Lower Upper

168 100

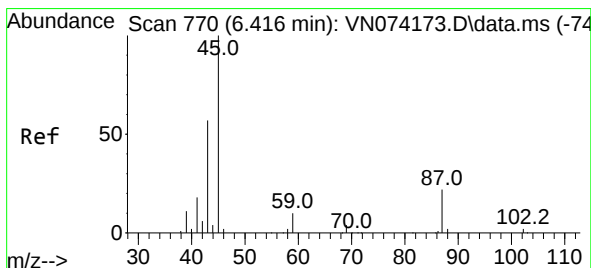
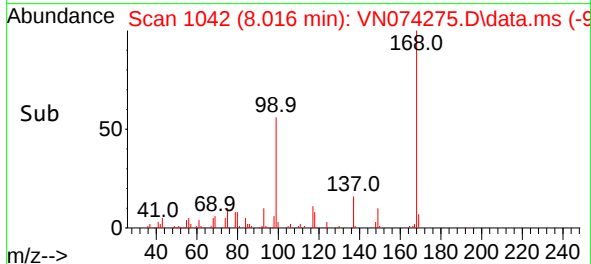
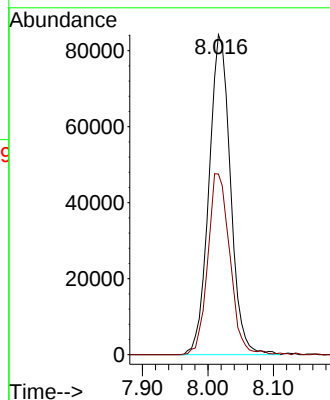
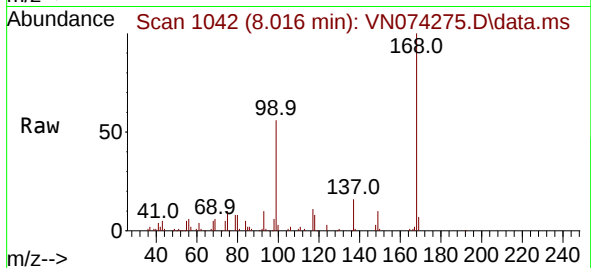
99 56.5 42.3 63.5

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#22

Diisopropyl ether

Concen: 0.450 ug/l

RT: 6.416 min Scan# 770

Delta R.T. 0.000 min

Lab File: VN074275.D

Acq: 02 Sep 2022 05:21

Tgt Ion: 45 Resp: 4611

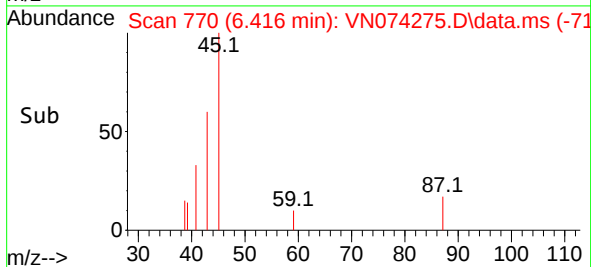
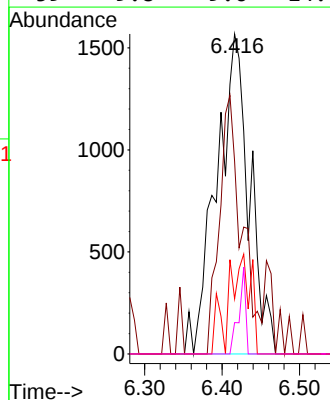
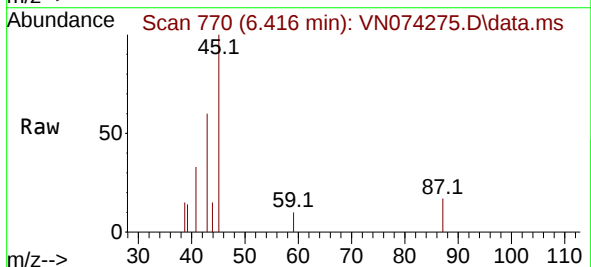
Ion Ratio Lower Upper

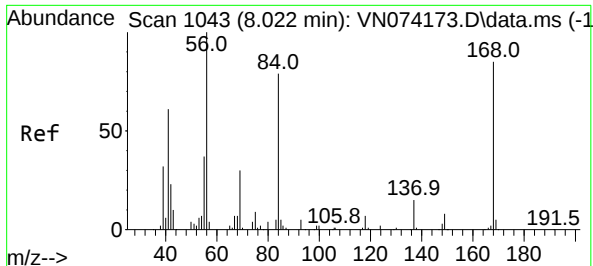
45 100

43 46.3 46.6 70.0#

87 17.2 24.3 36.5#

59 9.8 9.6 14.4





#31

Cyclohexane

Concen: 3.387 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074275.D

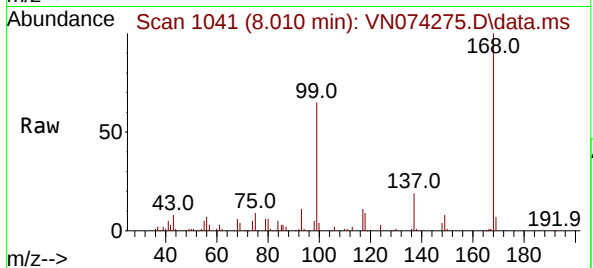
Acq: 02 Sep 2022 05:21

Instrument :

MSVOA_N

ClientSampleId :

MW-33



Tgt Ion: 56 Resp: 1668

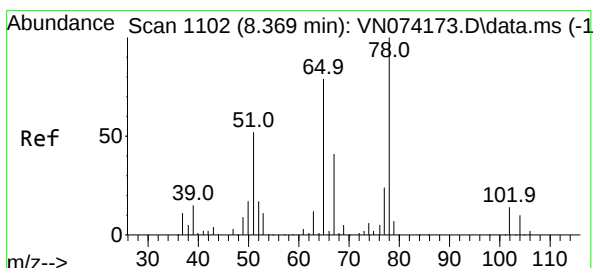
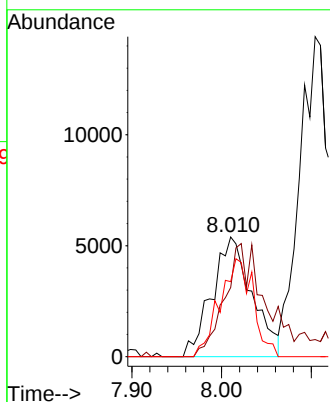
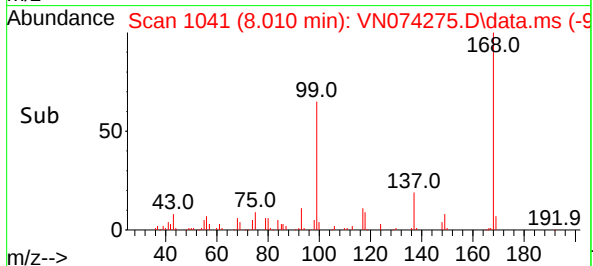
Ion	Ratio	Lower	Upper
56	100		
69	57.7	27.8	41.8
84	62.6	76.9	115.3

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#33

1,2-Dichloroethane-d4

Concen: 49.003 ug/l

RT: 8.369 min Scan# 1102

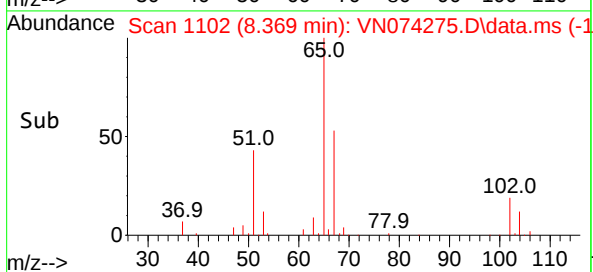
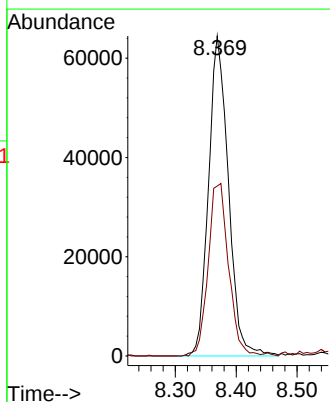
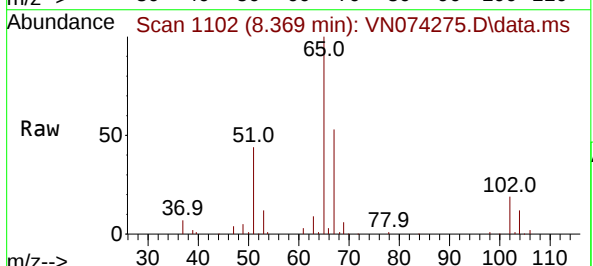
Delta R.T. 0.000 min

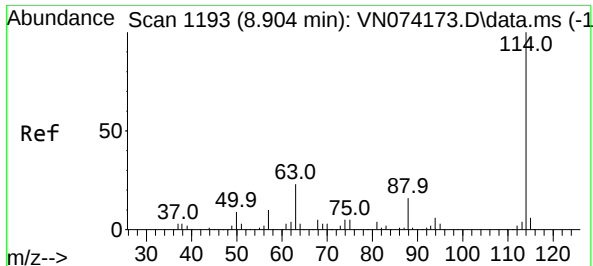
Lab File: VN074275.D

Acq: 02 Sep 2022 05:21

Tgt Ion: 65 Resp: 146137

Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074275.D

Acq: 02 Sep 2022 05:21

Instrument :

MSVOA_N

ClientSampleId :

MW-33

Tgt Ion:114 Resp: 36300

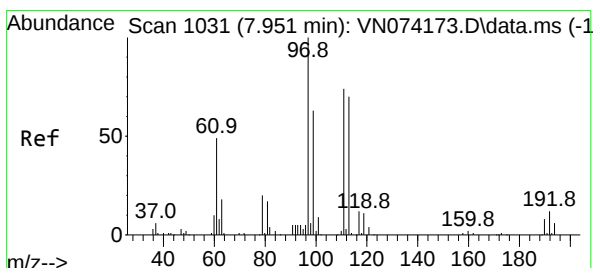
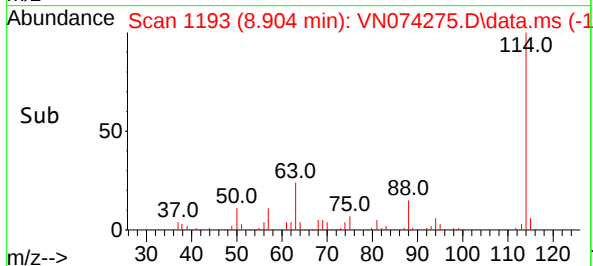
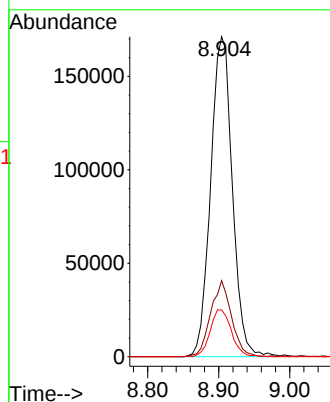
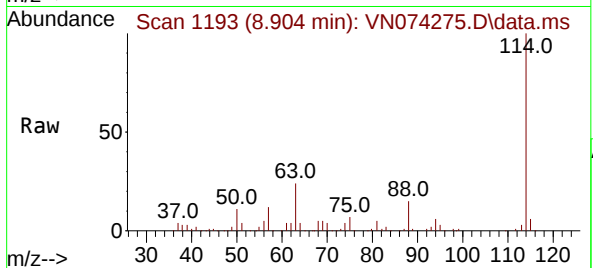
Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	40.0
88	14.6	0.0	32.6

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Supervised By :Mahesh Dadoda 09/02/2022



#35

Dibromofluoromethane

Concen: 51.239 ug/l

RT: 7.951 min Scan# 1031

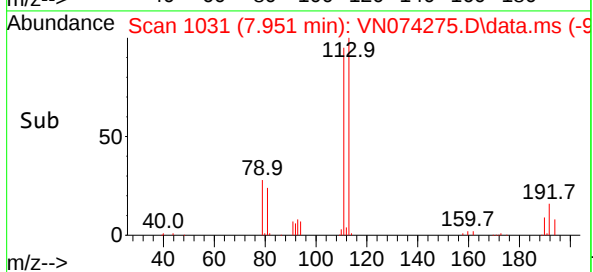
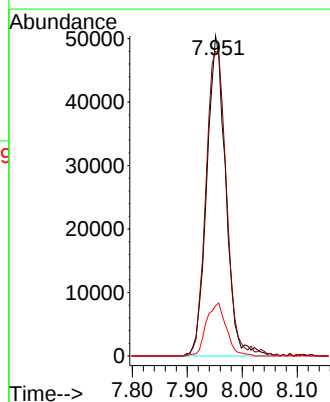
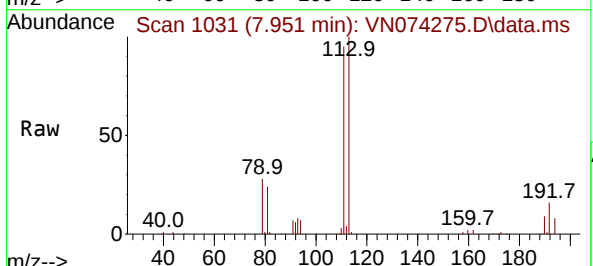
Delta R.T. 0.000 min

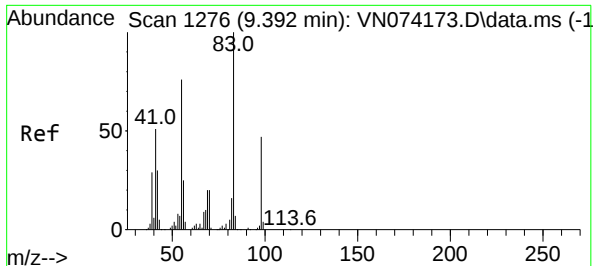
Lab File: VN074275.D

Acq: 02 Sep 2022 05:21

Tgt Ion:113 Resp: 121034

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	17.5	17.0	25.6





#39

Methylcyclohexane

Concen: 7.416 ug/l

RT: 9.398 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VN074275.D

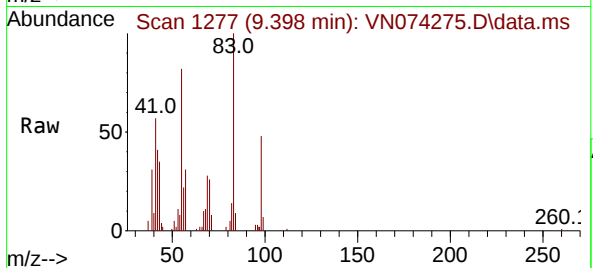
Acq: 02 Sep 2022 05:21

Instrument :

MSVOA_N

ClientSampleId :

MW-33



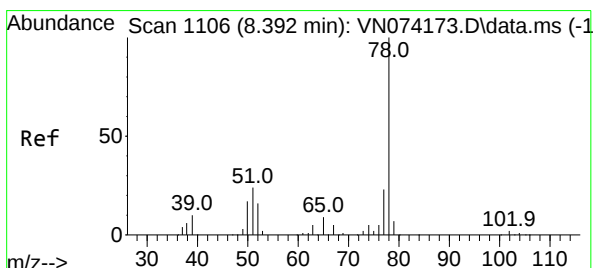
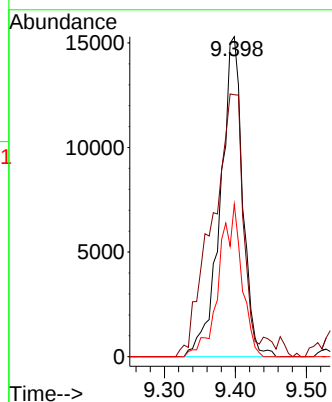
Tgt Ion:	83	Resp:	3336
Ion	Ratio	Lower	Upper
83	100		
55	79.8	57.8	86.8
98	47.7	39.4	59.2

Manual Integrations

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Supervised By :Mahesh Dadoda 09/02/2022



#40

Benzene

Concen: 0.305 ug/l m

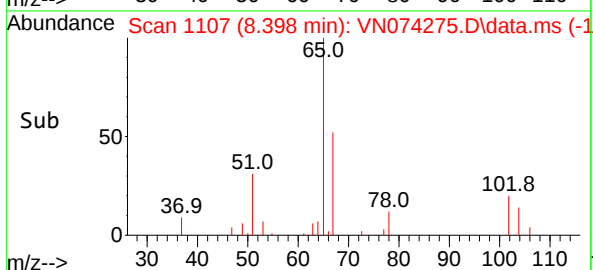
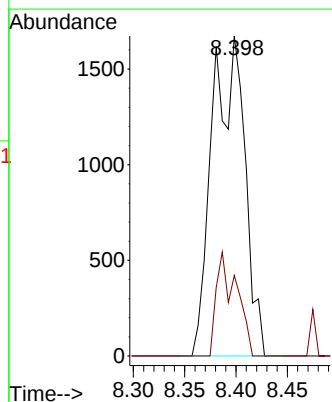
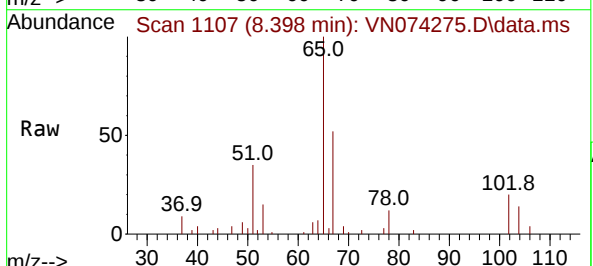
RT: 8.398 min Scan# 1107

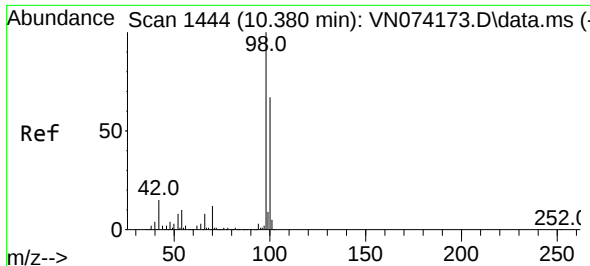
Delta R.T. 0.006 min

Lab File: VN074275.D

Acq: 02 Sep 2022 05:21

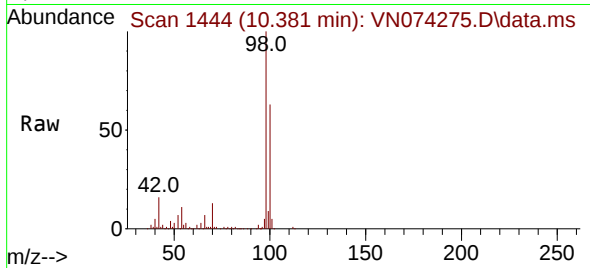
Tgt Ion:	78	Resp:	3666
Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.4	29.0





#50
Toluene-d8
Concen: 46.901 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

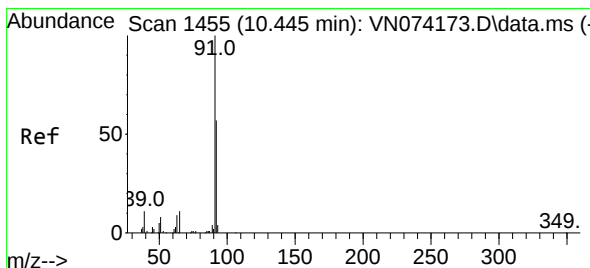
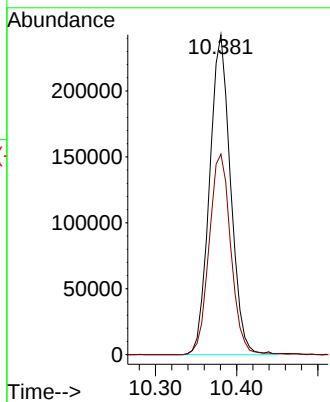
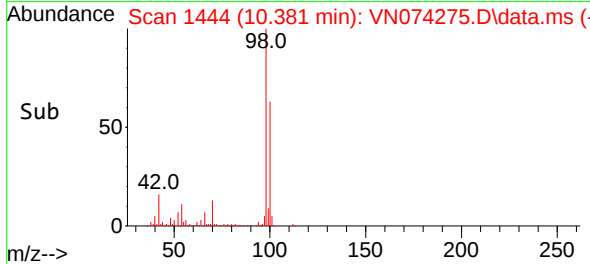
Instrument :
MSVOA_N
ClientSampleId :
MW-33



Tgt Ion: 98 Resp: 436298
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

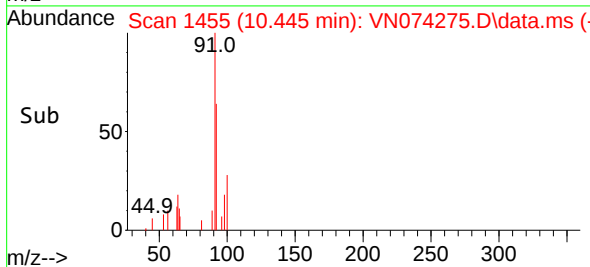
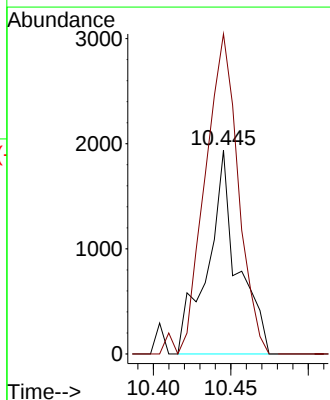
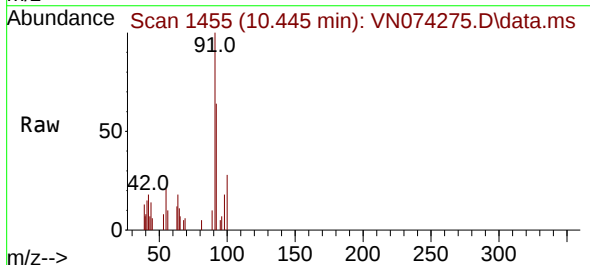
Manual Integrations
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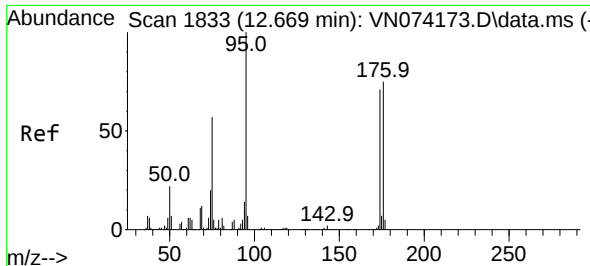
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



#52
Toluene
Concen: 0.365 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

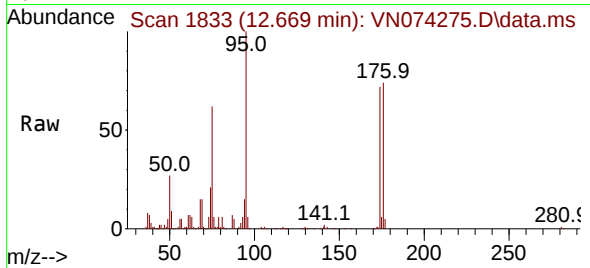
Tgt Ion: 92 Resp: 2589
Ion Ratio Lower Upper
92 100
91 175.9 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 58.789 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

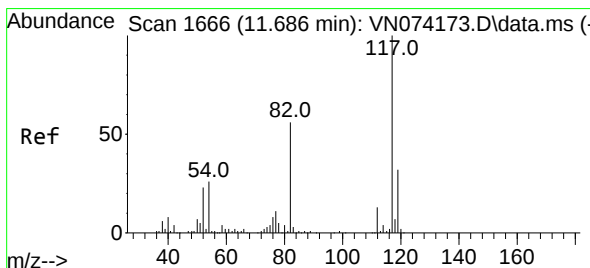
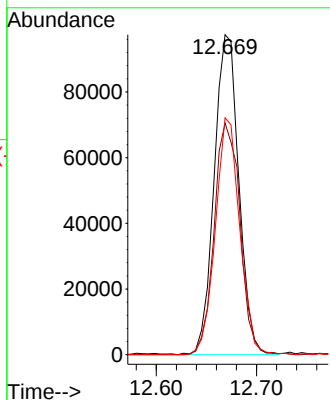
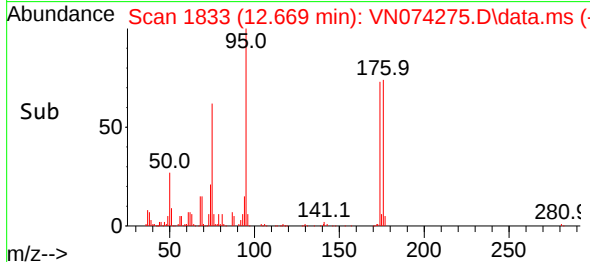
Instrument :
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ClientSampleId :
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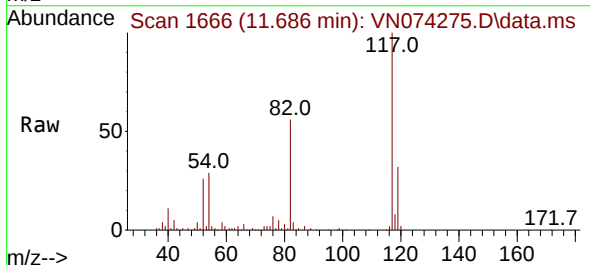
Tgt Ion: 95 Resp: 166309
Ion Ratio Lower Upper
95 100
174 75.7 0.0 167.6
176 73.3 0.0 163.4

Manual Integrations
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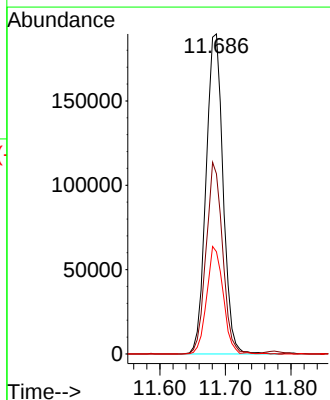
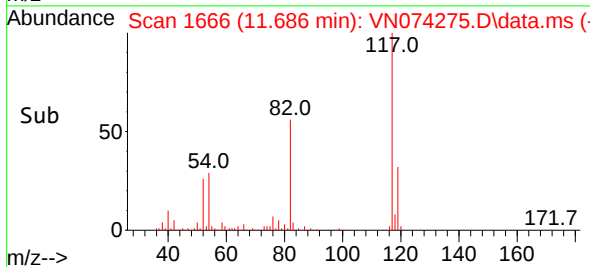
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

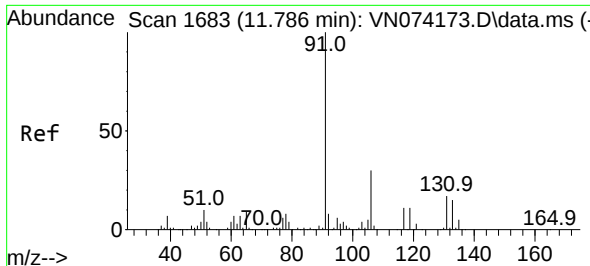


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21



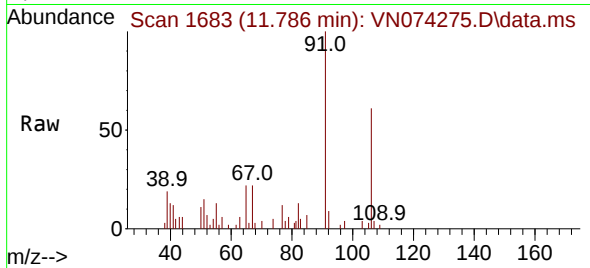
Tgt Ion:117 Resp: 342366
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 31.9 25.4 38.0





#67
Ethyl Benzene
Concen: 0.738 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

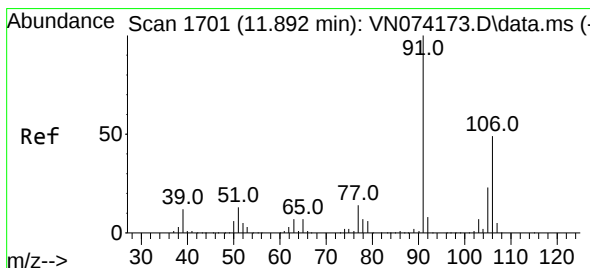
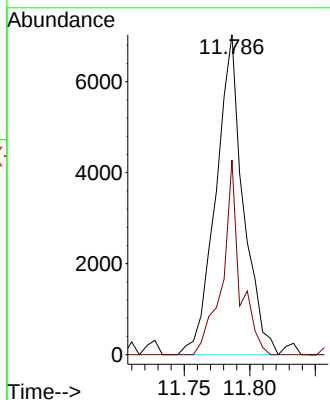
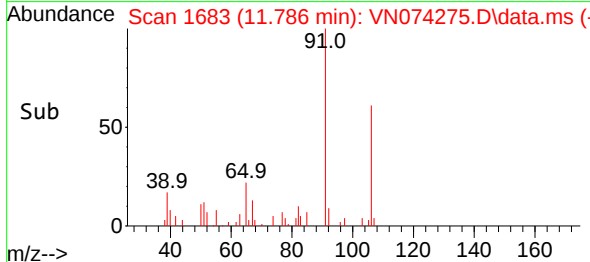
Instrument :
MSVOA_N
ClientSampleId :
MW-33



Tgt Ion: 91 Resp: 1020
Ion Ratio Lower Upper
91 100
106 60.8 24.9 37.3

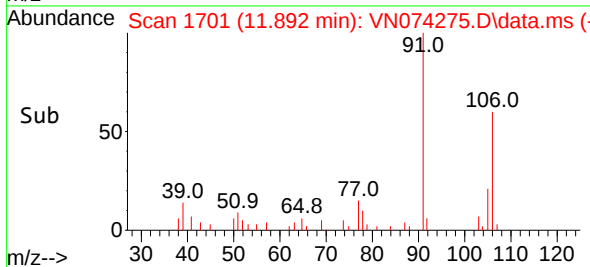
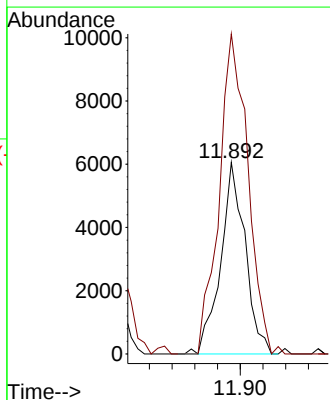
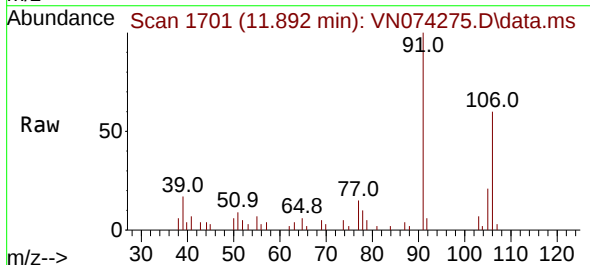
Manual Integrations
APPROVED

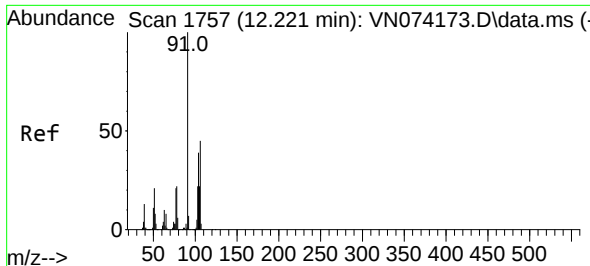
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



#68
m/p-Xylenes
Concen: 1.769 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

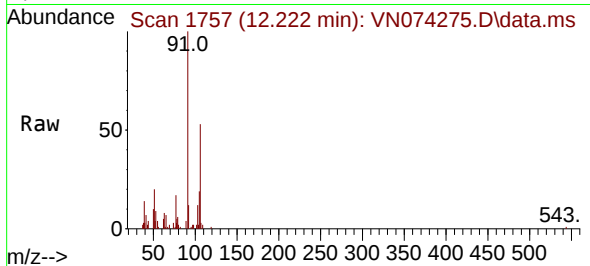
Tgt Ion:106 Resp: 9084
Ion Ratio Lower Upper
106 100
91 196.0 158.9 238.3





#69
o-Xylene
Concen: 2.898 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

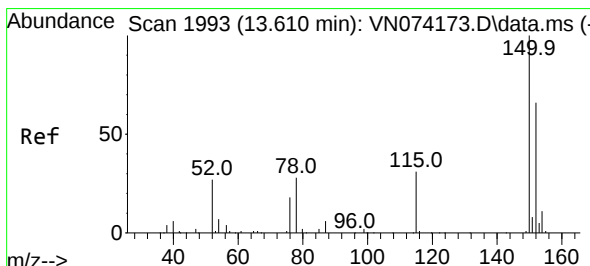
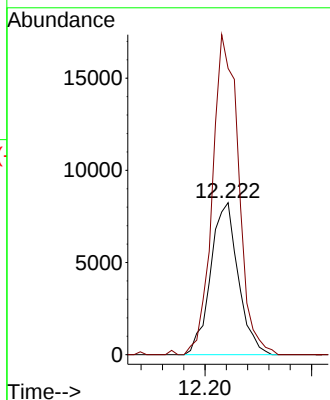
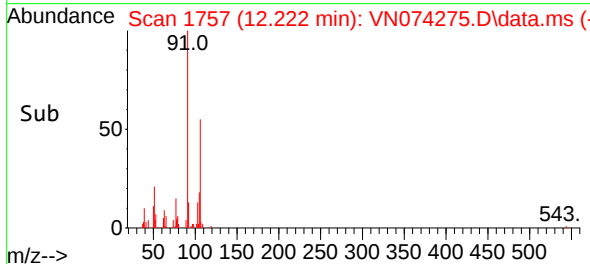
Instrument :
MSVOA_N
ClientSampleId :
MW-33



Tgt Ion:106 Resp: 14829
Ion Ratio Lower Upper
106 100
91 199.4 106.0 318.0

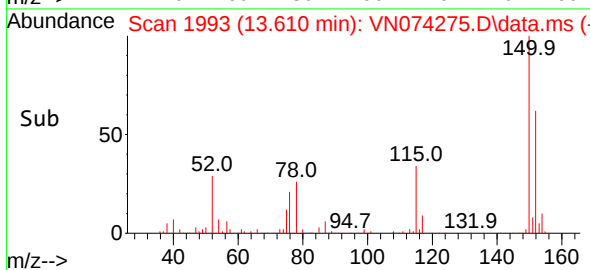
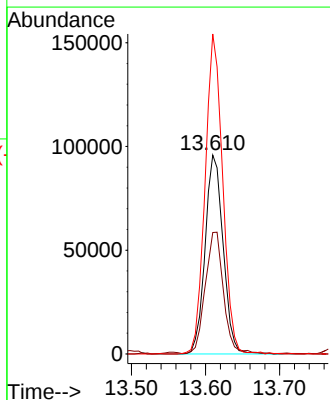
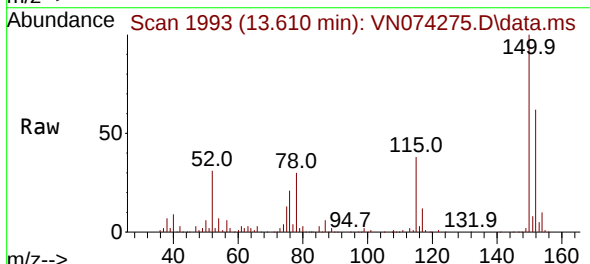
Manual Integrations
APPROVED

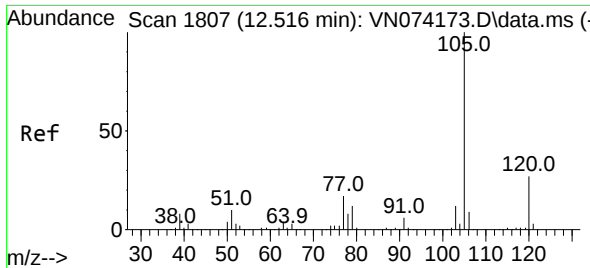
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

Tgt Ion:152 Resp: 162154
Ion Ratio Lower Upper
152 100
115 62.2 28.9 86.7
150 156.6 0.0 356.2





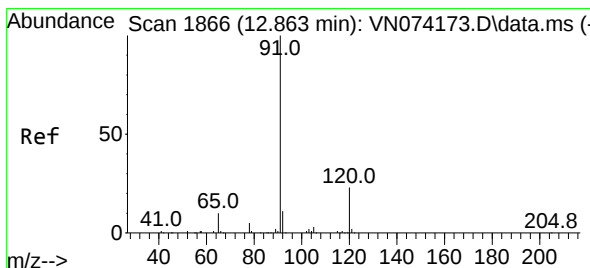
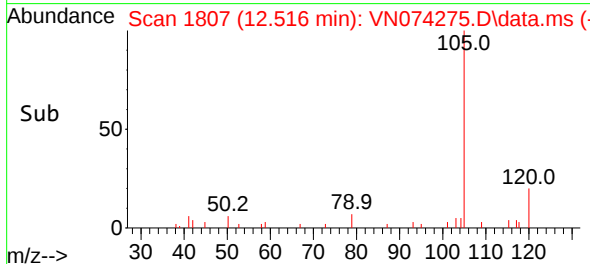
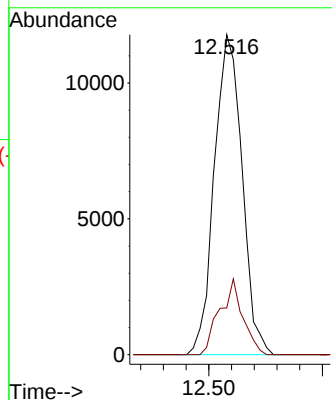
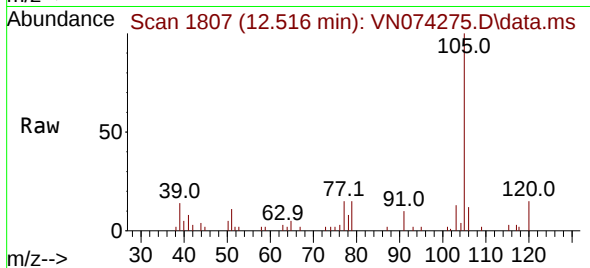
#73
Isopropylbenzene
Concen: 1.439 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

Instrument :
MSVOA_N
ClientSampleId :
MW-33

Tgt Ion:105 Resp: 19980
Ion Ratio Lower Upper
105 100
120 19.7 13.5 40.4

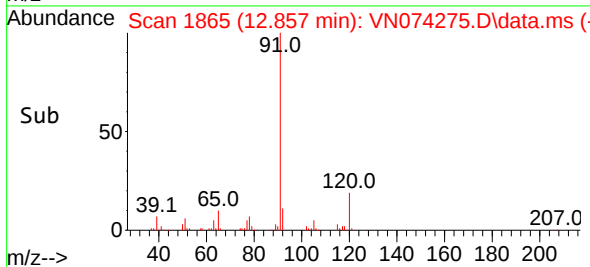
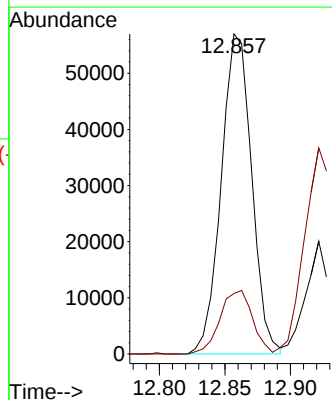
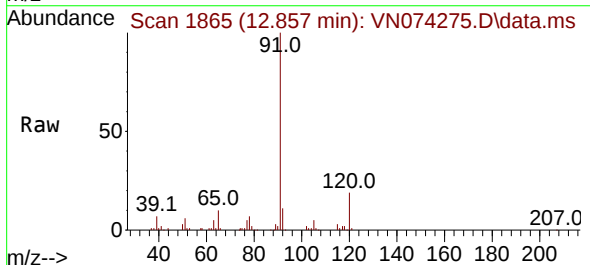
Manual Integrations
APPROVED

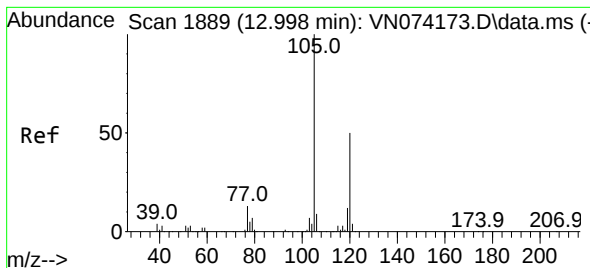
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



#78
n-propylbenzene
Concen: 5.816 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

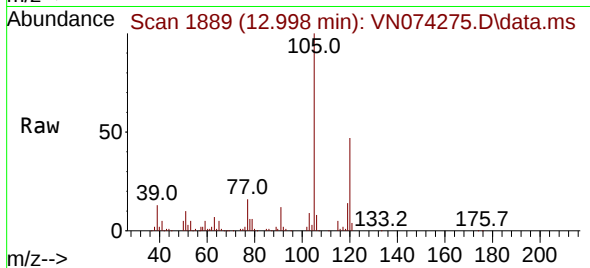
Tgt Ion: 91 Resp: 92061
Ion Ratio Lower Upper
91 100
120 21.1 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 10.292 ug/l
RT: 12.998 min Scan# 1188
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

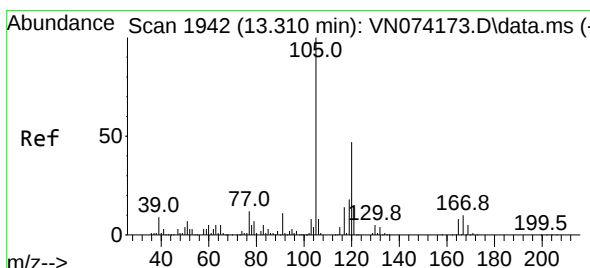
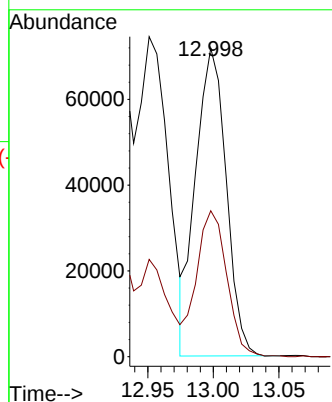
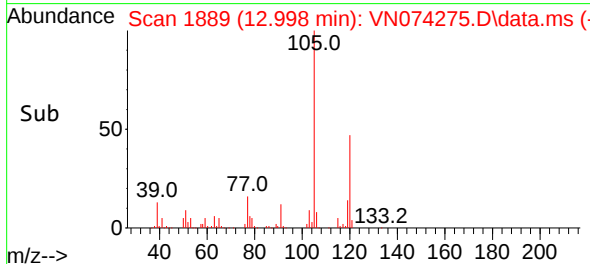
Instrument :
MSVOA_N
ClientSampleId :
MW-33



Tgt Ion:105 Resp: 11623
Ion Ratio Lower Upper
105 100
120 47.4 24.9 74.7

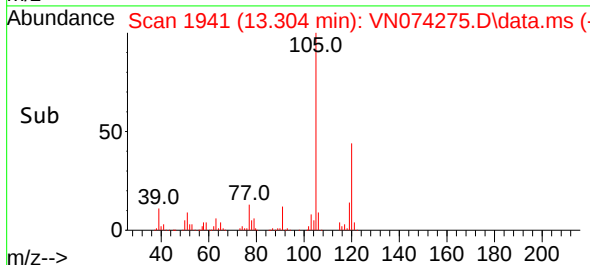
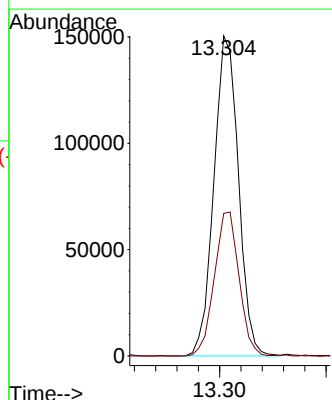
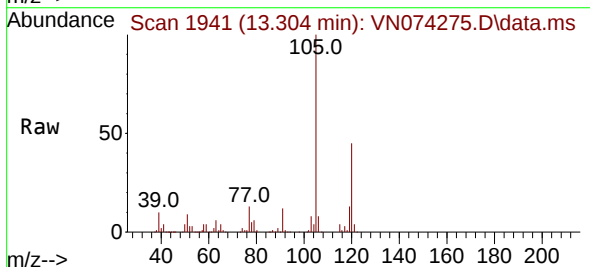
Manual Integrations
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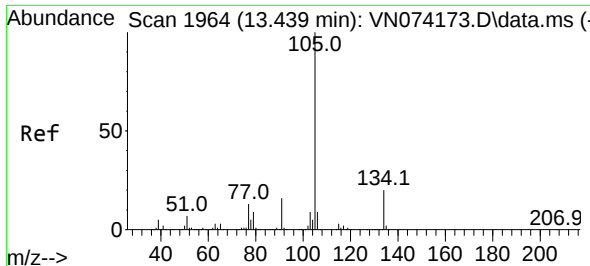
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



#84
1,2,4-Trimethylbenzene
Concen: 22.102 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

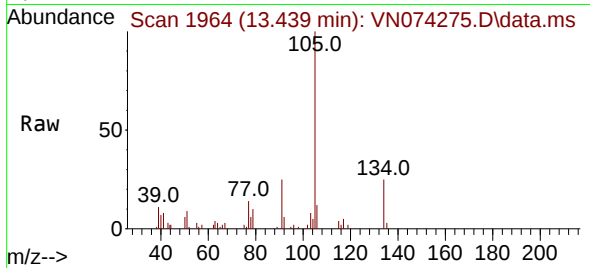
Tgt Ion:105 Resp: 240906
Ion Ratio Lower Upper
105 100
120 45.2 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 1.779 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VN074275.D
 Acq: 02 Sep 2022 05:21

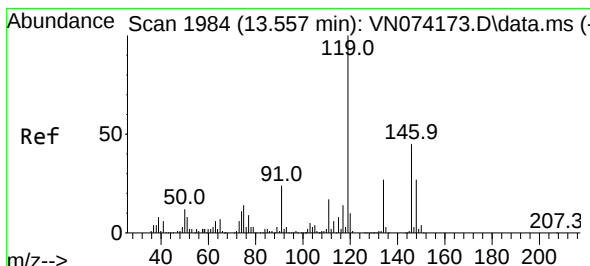
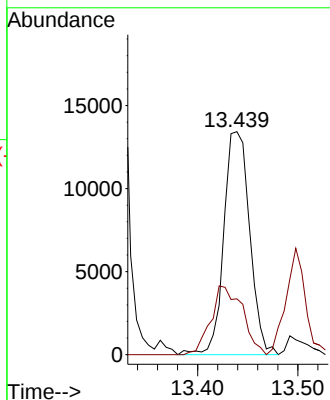
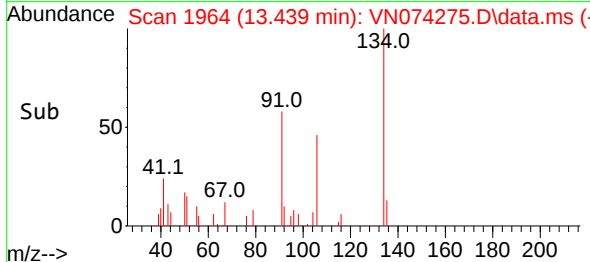
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-33



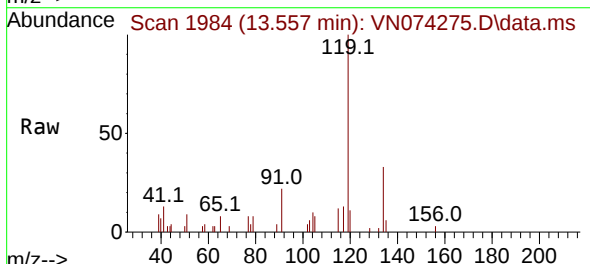
Tgt Ion:105 Resp: 2411
 Ion Ratio Lower Upper
 105 100
 134 37.6 10.4 31.1

Manual Integrations
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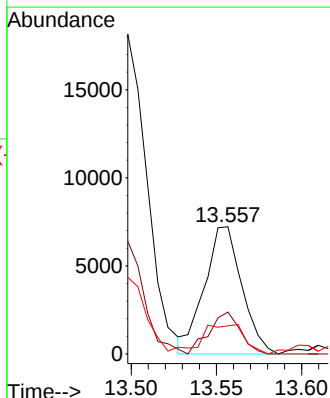
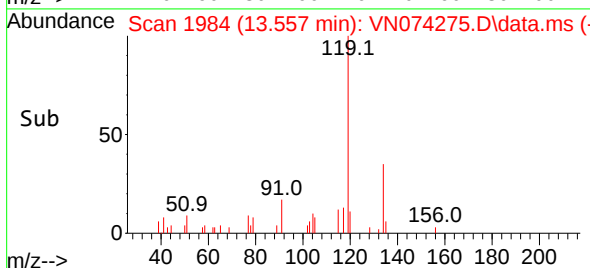
Reviewed By :John Carlone 09/02/2022
 Supervised By :Mahesh Dadoda 09/02/2022

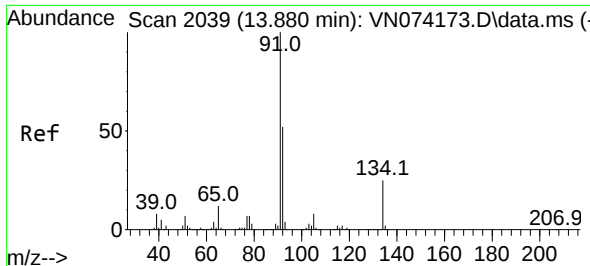


#86
 p-Isopropyltoluene
 Concen: 1.046 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN074275.D
 Acq: 02 Sep 2022 05:21



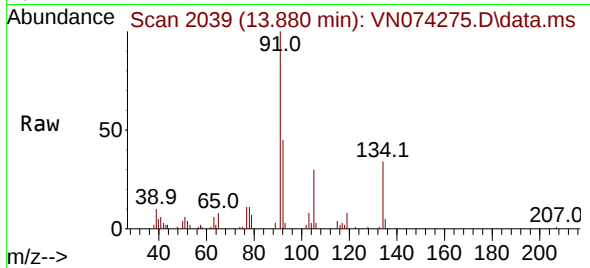
Tgt Ion:119 Resp: 11025
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.3 39.8
 91 24.5 11.3 33.9





#89
n-Butylbenzene
Concen: 2.819 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21

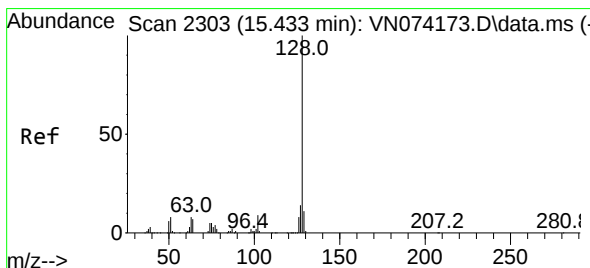
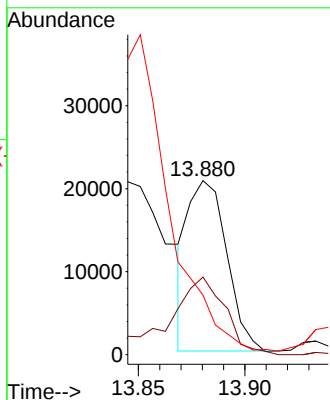
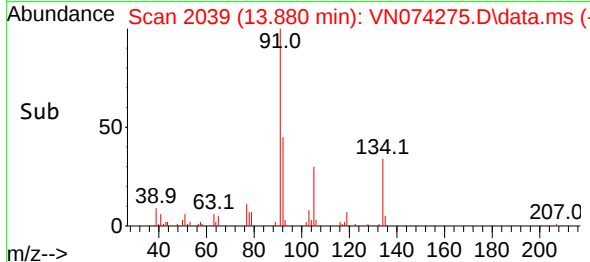
Instrument :
MSVOA_N
ClientSampleId :
MW-33



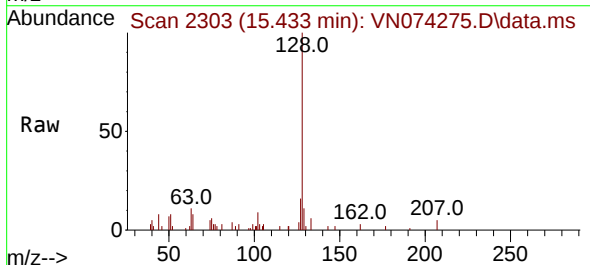
Tgt Ion: 91 Resp: 2588
Ion Ratio Lower Upper
91 100
92 69.9 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
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Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



#95
Naphthalene
Concen: 2.937 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN074275.D
Acq: 02 Sep 2022 05:21



Tgt Ion:128 Resp: 22487
Ion Ratio Lower Upper
128 100
127 14.7 10.3 15.5
129 15.5 8.6 13.0

