

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071590.D
 Acq On : 26 Mar 2022 22:15
 Operator : JC\MD
 Sample : N2084-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BLDG-3

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 28 02:22:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	771205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1272672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1325445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	577269	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	435758	45.479	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.960%		
35) Dibromofluoromethane	8.016	113	363695	45.471	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.940%		
50) Toluene-d8	10.439	98	1642920	50.925	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.840%		
62) 4-Bromofluorobenzene	12.727	95	604021	57.140	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	114.280%		
Target Compounds						Qvalue
8) Diethyl Ether	3.828	74	14341	2.747	ug/l	95
16) Acetone	4.293	43	37974	9.669	ug/l	98
20) Methylene Chloride	5.093	84	29533	3.227	ug/l	# 97
31) Cyclohexane	8.081	56	23435	1.709	ug/l	# 36
39) Methylcyclohexane	9.457	83	22274	1.574	ug/l	89
40) Benzene	8.457	78	5081373	141.551	ug/l	100
43) Isopropyl Acetate	8.557	43	113235	5.271	ug/l	# 76
52) Toluene	10.486	92	28048813m	1248.404	ug/l	
67) Ethyl Benzene	11.828	91	22023737m	456.191	ug/l	
68) m/p-Xylenes	11.933	106	25910103m	1402.614	ug/l	
69) o-Xylene	12.269	106	21410748m	1166.694	ug/l	
70) Styrene	12.280	104	23031443m	804.924	ug/l	
73) Isopropylbenzene	12.575	105	4134988	81.247	ug/l	100
78) n-propylbenzene	12.916	91	6436733	118.874	ug/l	100
80) 1,3,5-Trimethylbenzene	13.051	105	15207295	378.530	ug/l	89
84) 1,2,4-Trimethylbenzene	13.351	105	21708940m	559.980	ug/l	
85) sec-Butylbenzene	13.498	105	283145m	5.890	ug/l	
89) n-Butylbenzene	13.939	91	124254m	4.234	ug/l	
95) Naphthalene	15.492	128	22752326m	727.831	ug/l	

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

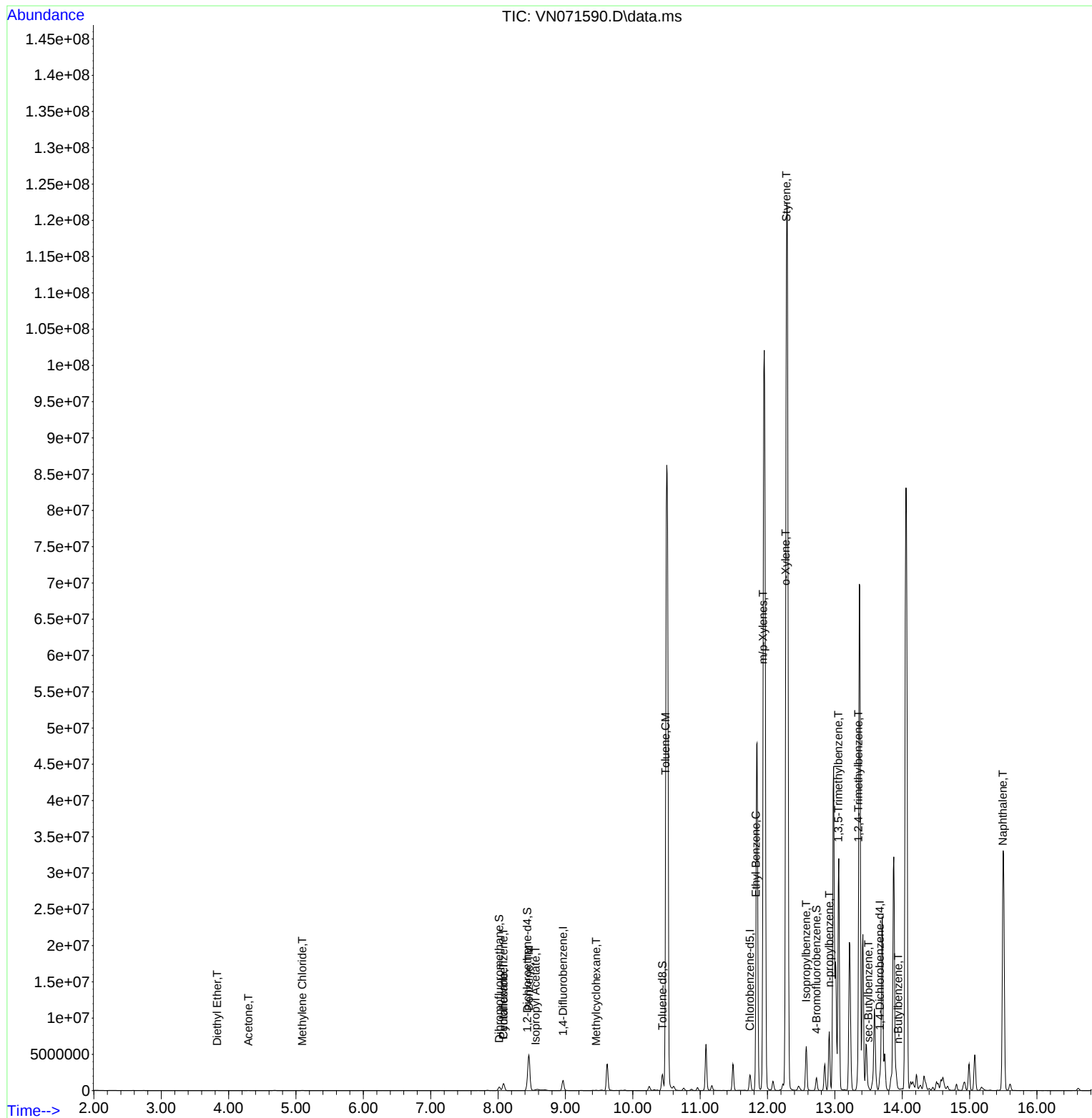
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
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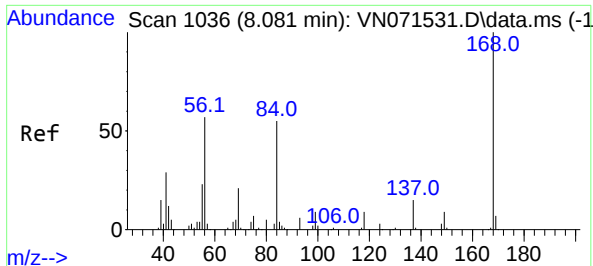
Instrument :
MSVOA_N
ClientSampleId :
BLDG-3

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Quant Time: Mar 28 02:22:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 25 09:52:40 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VN071590.D

Acq: 26 Mar 2022 22:15

Instrument :

MSVOA_N

ClientSampleId :

BLDG-3

Tgt Ion:168 Resp: 77120

Ion Ratio Lower Upper

168 100

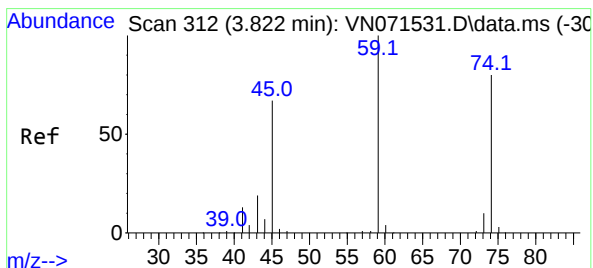
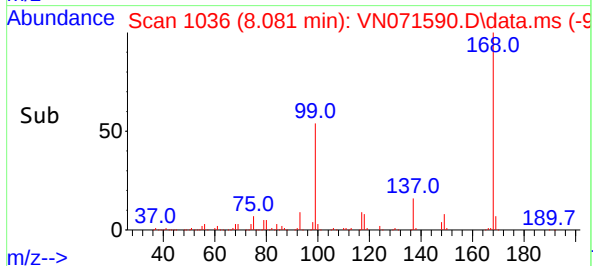
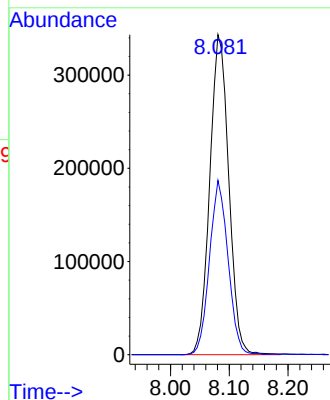
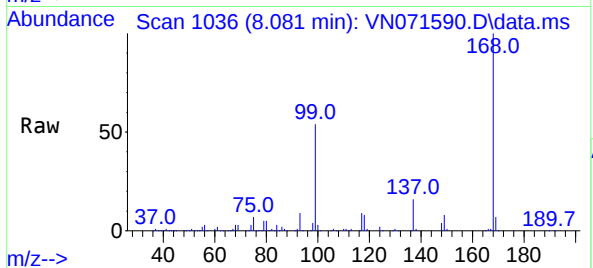
99 54.5 42.3 63.5

Manual Integrations

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#8

Diethyl Ether

Concen: 2.747 ug/l

RT: 3.828 min Scan# 313

Delta R.T. 0.006 min

Lab File: VN071590.D

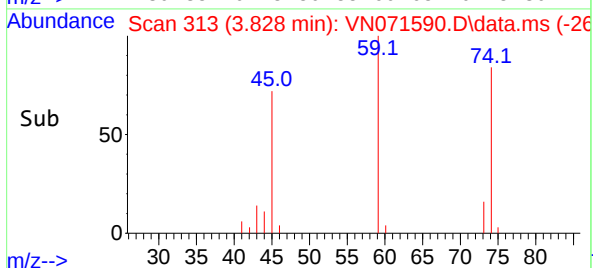
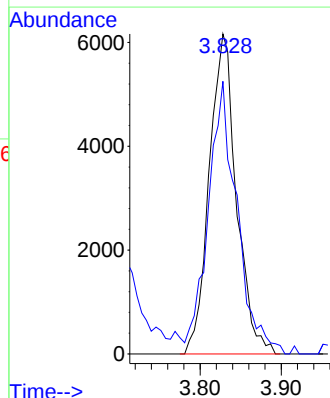
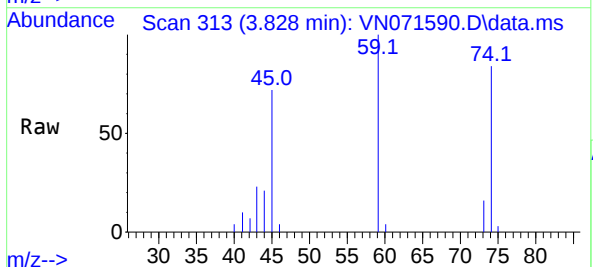
Acq: 26 Mar 2022 22:15

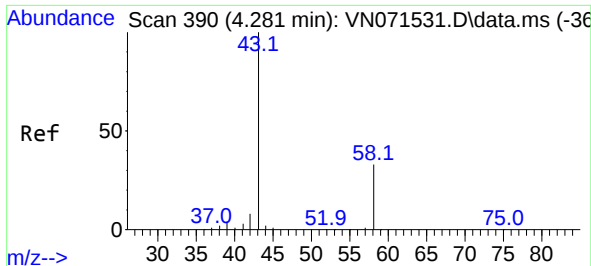
Tgt Ion: 74 Resp: 14341

Ion Ratio Lower Upper

74 100

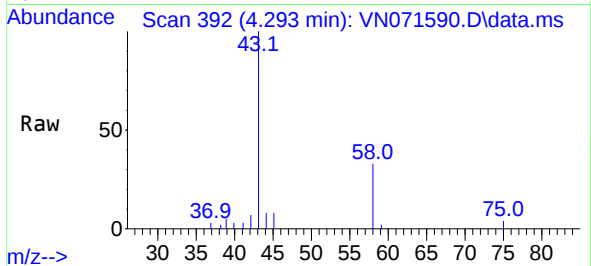
45 90.3 42.9 128.5





#16
Acetone
Concen: 9.669 ug/l
RT: 4.293 min Scan# 390
Delta R.T. 0.012 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

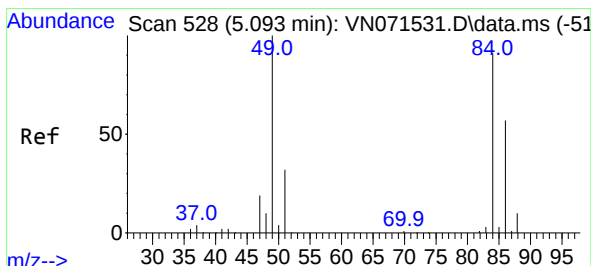
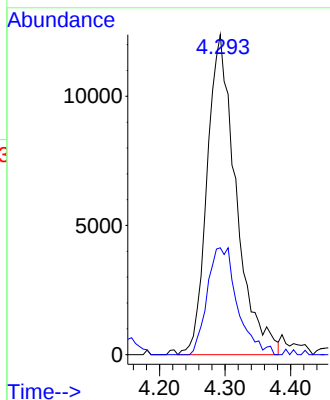
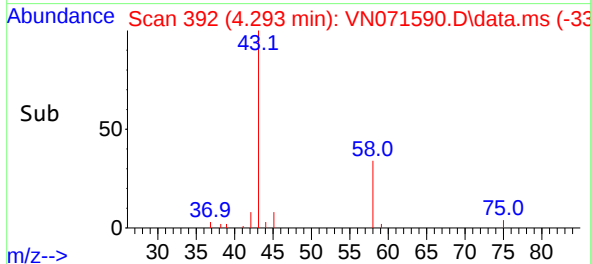
Instrument :
MSVOA_N
ClientSampleId :
BLDG-3



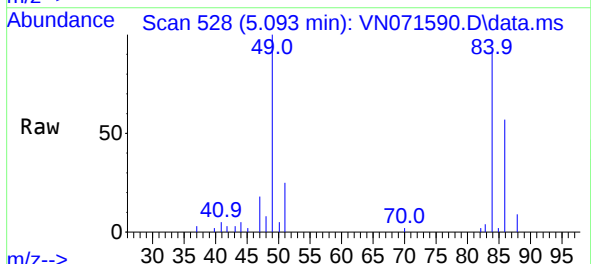
Tgt Ion: 43 Resp: 37974
Ion Ratio Lower Upper
43 100
58 33.4 26.0 39.0

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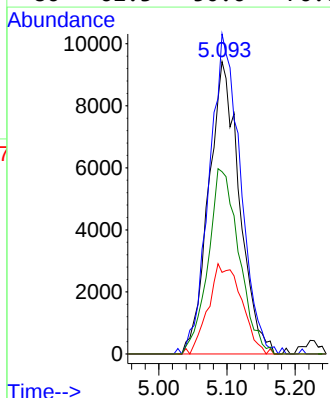
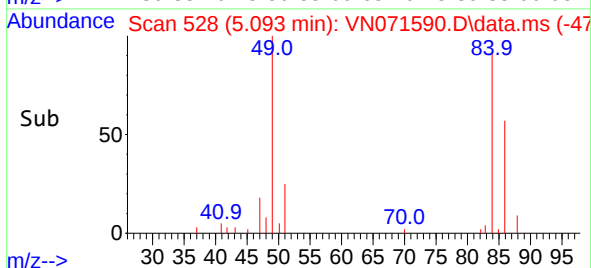
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

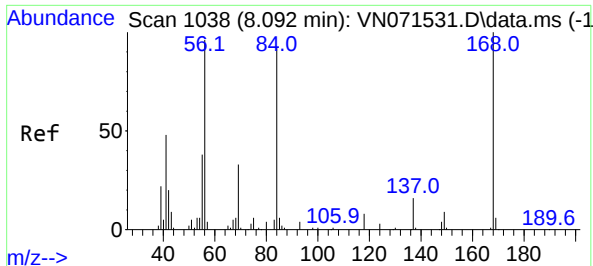


#20
Methylene Chloride
Concen: 3.227 ug/l
RT: 5.093 min Scan# 528
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15



Tgt Ion: 84 Resp: 29533
Ion Ratio Lower Upper
84 100
49 109.4 88.3 132.5
51 27.9 28.2 42.2#
86 62.3 50.6 76.0





#31

Cyclohexane

Concen: 1.709 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071590.D

Acq: 26 Mar 2022 22:15

Instrument :

MSVOA_N

ClientSampleId :

BLDG-3

Tgt Ion: 56 Resp: 2343

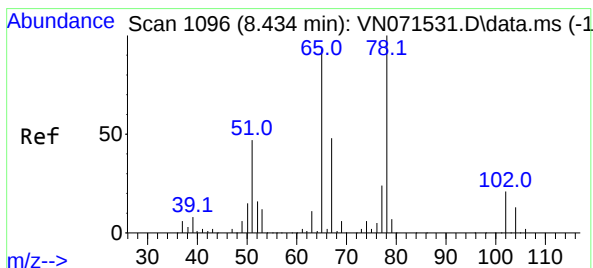
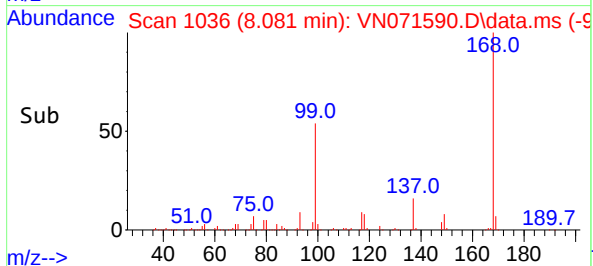
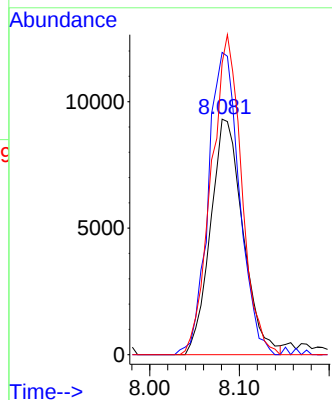
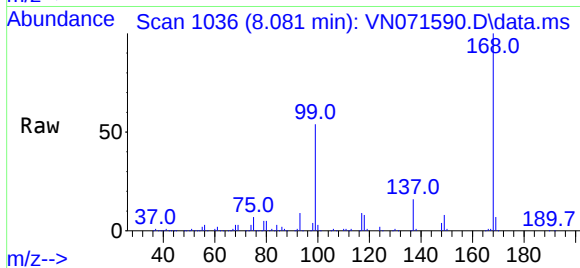
Ion	Ratio	Lower	Upper
56	100		
69	128.4	27.8	41.8
84	123.8	76.9	115.3

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: 45.479 ug/l

RT: 8.434 min Scan# 1096

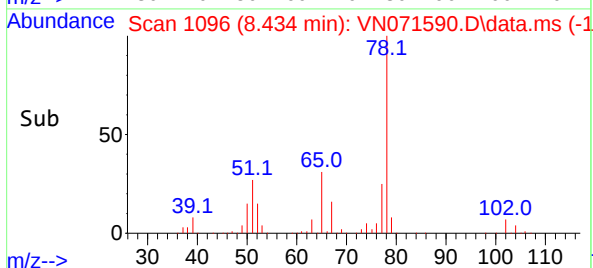
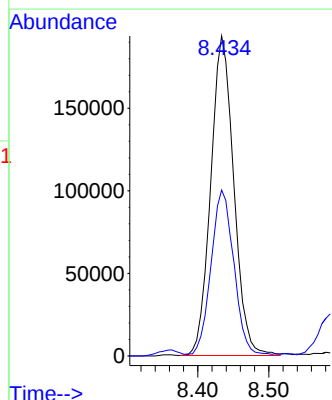
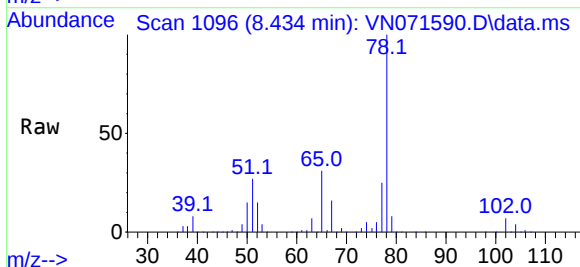
Delta R.T. 0.000 min

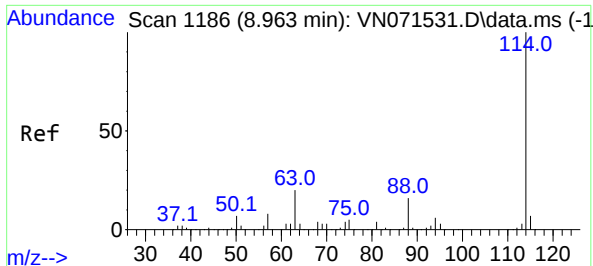
Lab File: VN071590.D

Acq: 26 Mar 2022 22:15

Tgt Ion: 65 Resp: 435758

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071590.D

Acq: 26 Mar 2022 22:15

Instrument :

MSVOA_N

ClientSampleId :

BLDG-3

Tgt Ion:114 Resp: 127267

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

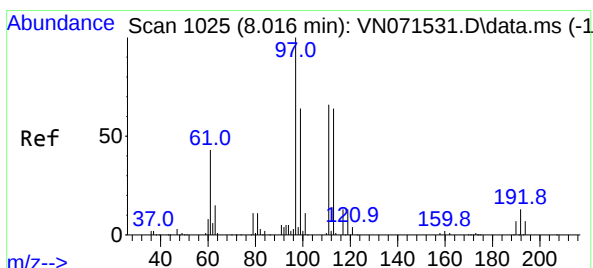
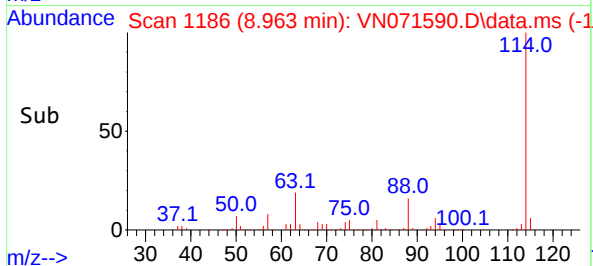
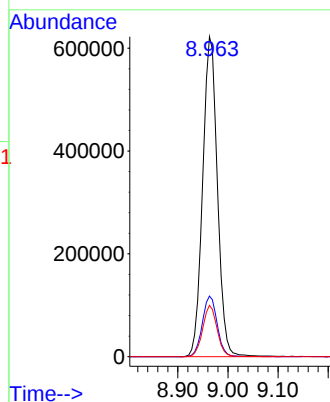
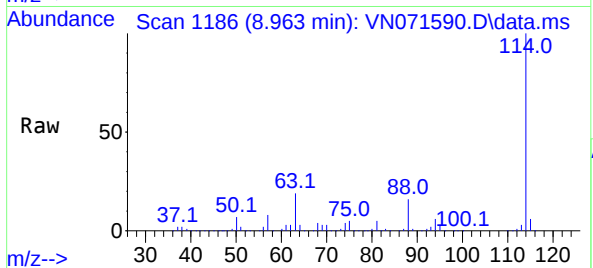
88 16.0 0.0 32.6

Manual Integrations

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Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#35

Dibromofluoromethane

Concen: 45.471 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN071590.D

Acq: 26 Mar 2022 22:15

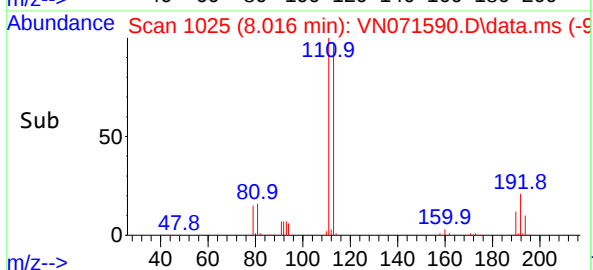
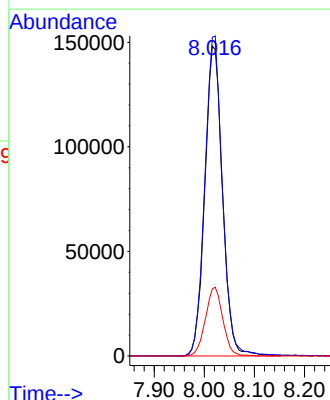
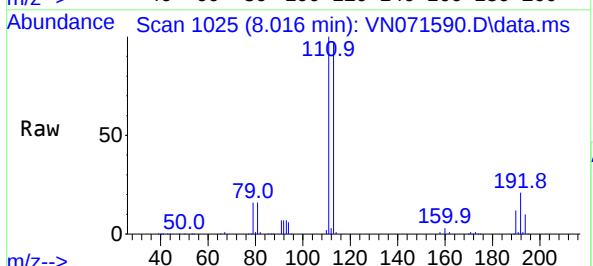
Tgt Ion:113 Resp: 363695

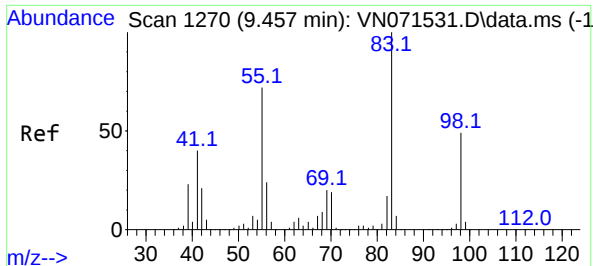
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

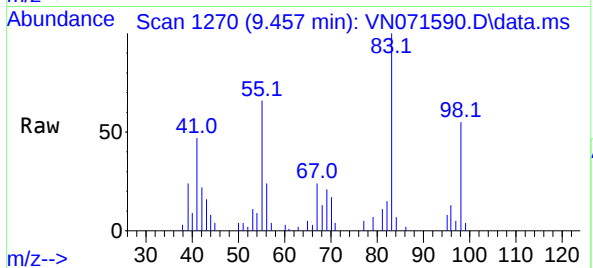
192 21.7 17.0 25.6





#39
Methylcyclohexane
Concen: 1.574 ug/l
RT: 9.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

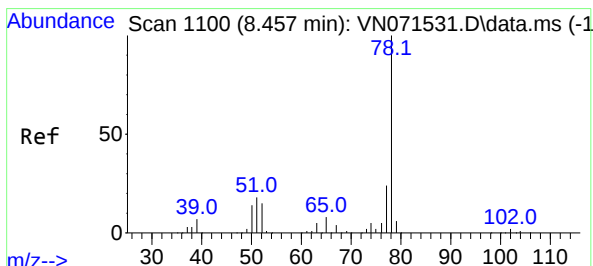
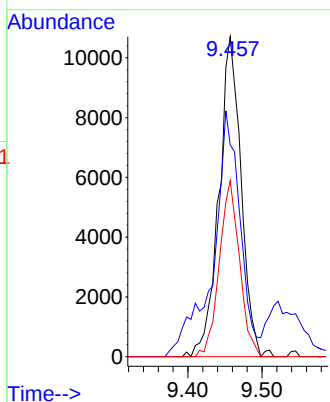
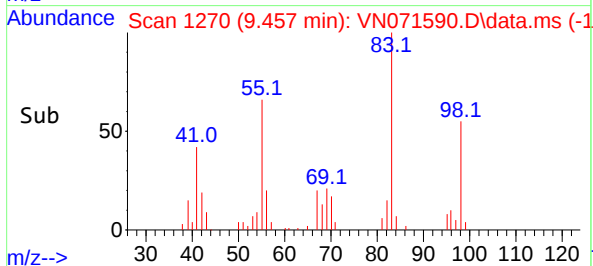
Instrument :
MSVOA_N
ClientSampleId :
BLDG-3



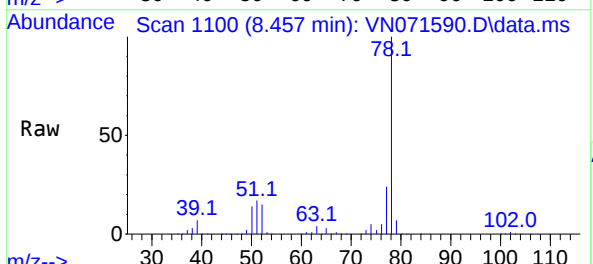
Tgt Ion: 83 Resp: 22274
Ion Ratio Lower Upper
83 100
55 61.5 57.8 86.8
98 55.1 39.4 59.2

Manual Integrations
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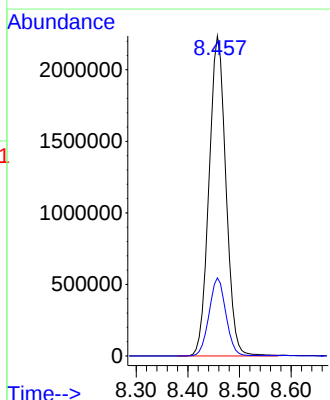
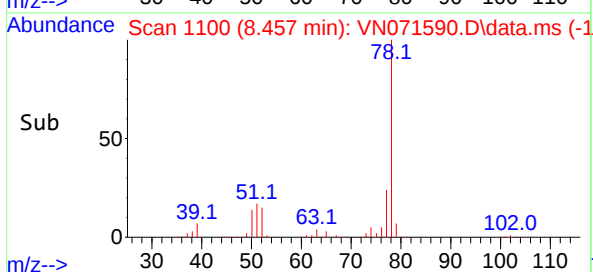
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

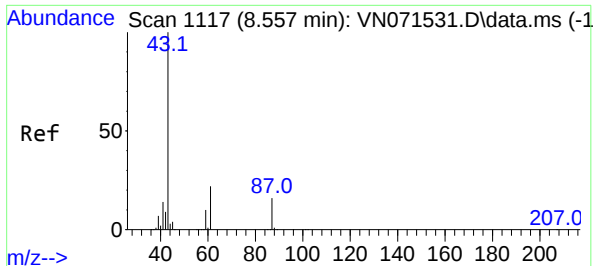


#40
Benzene
Concen: 141.551 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15



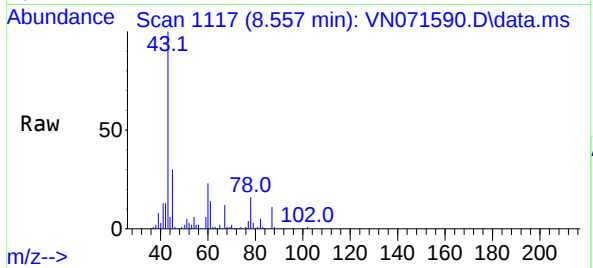
Tgt Ion: 78 Resp: 5081373
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0





#43
Isopropyl Acetate
Concen: 5.271 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

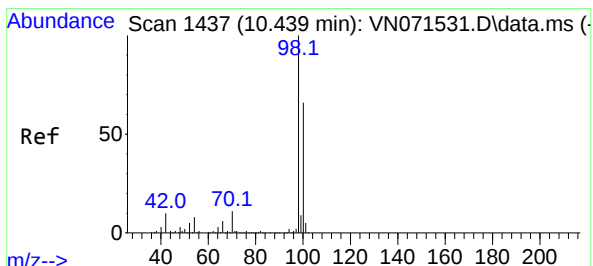
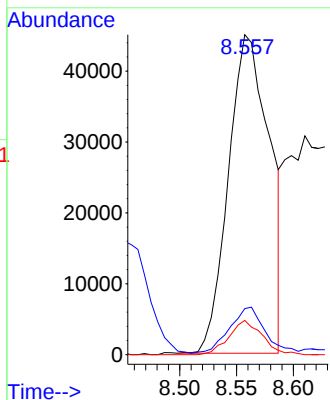
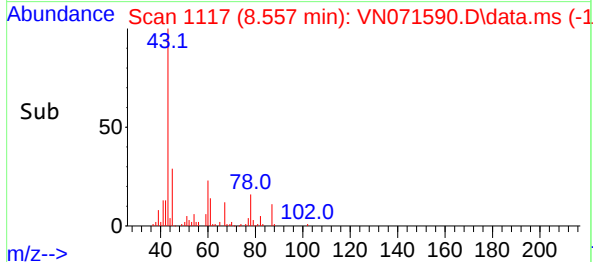
Instrument :
MSVOA_N
ClientSampleId :
BLDG-3



Tgt Ion: 43 Resp: 113235
Ion Ratio Lower Upper
43 100
61 12.2 21.9 32.9
87 8.7 12.0 18.0

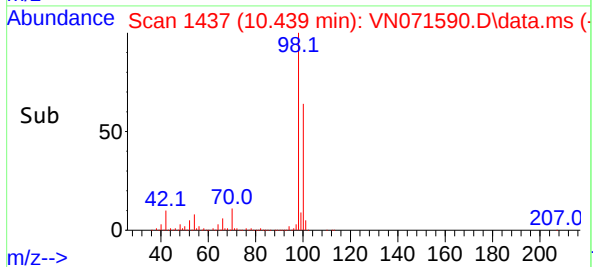
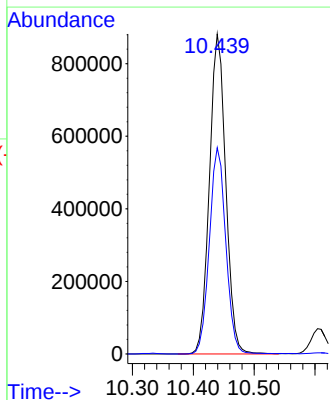
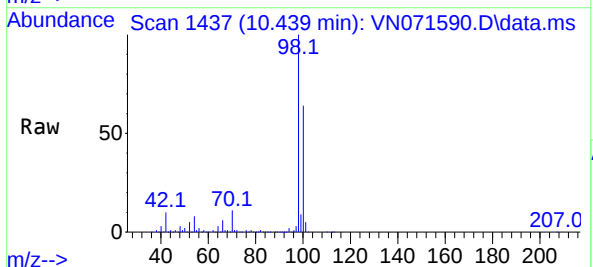
Manual Integrations
APPROVED

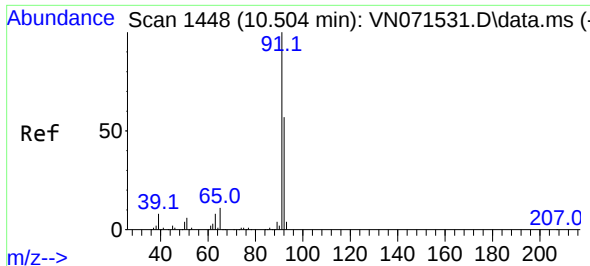
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#50
Toluene-d8
Concen: 50.925 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

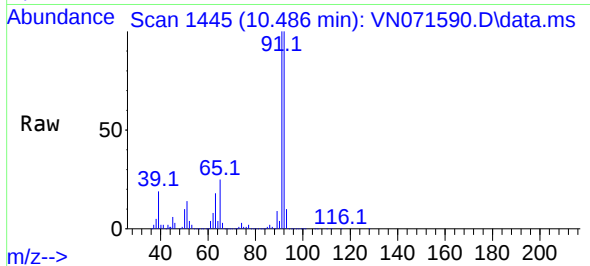
Tgt Ion: 98 Resp: 1642920
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8





#52
Toluene
Concen: 1248.404 ug/l m
RT: 10.486 min Scan# 1448
Delta R.T. -0.018 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

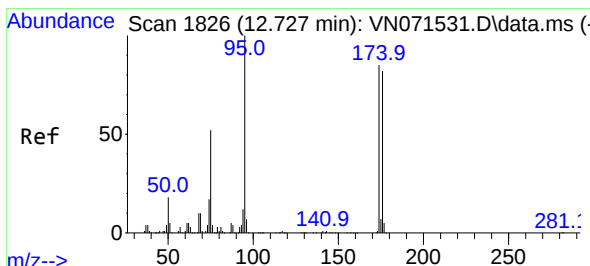
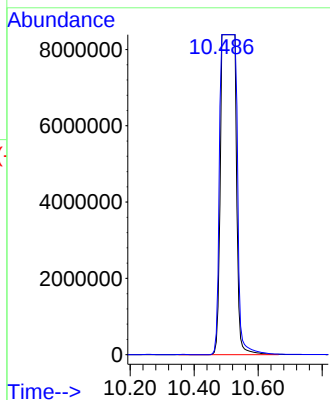
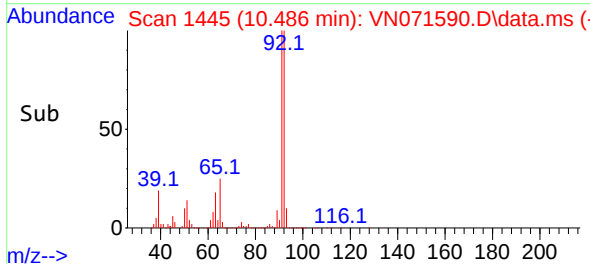
Instrument :
MSVOA_N
ClientSampleId :
BLDG-3



Tgt Ion: 92 Resp: 2804881
Ion Ratio Lower Upper
92 100
91 0.0 138.6 207.8

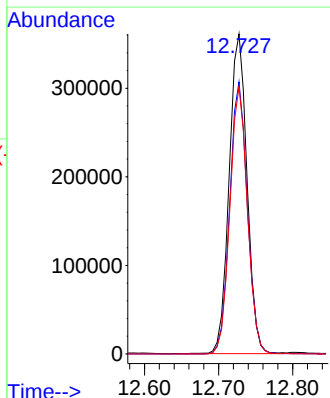
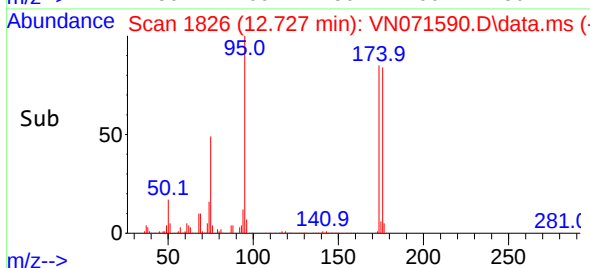
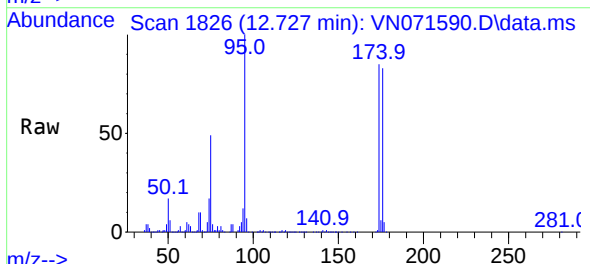
Manual Integrations
APPROVED

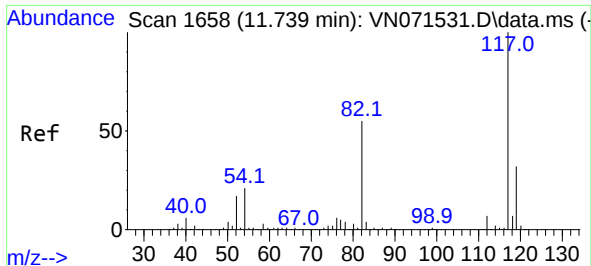
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#62
4-Bromofluorobenzene
Concen: 57.140 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

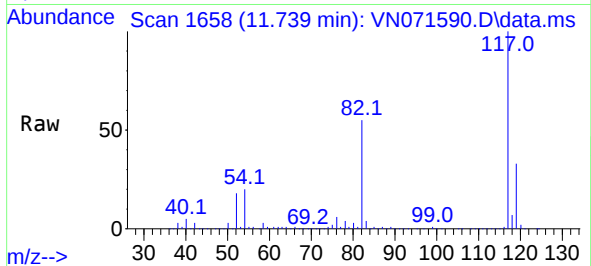
Tgt Ion: 95 Resp: 604021
Ion Ratio Lower Upper
95 100
174 84.1 0.0 167.6
176 81.7 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

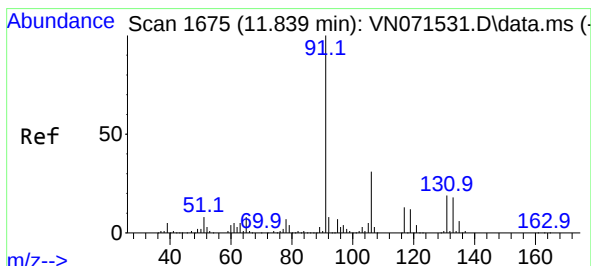
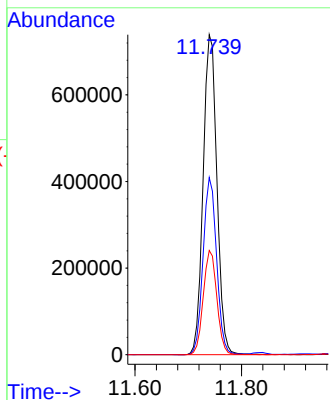
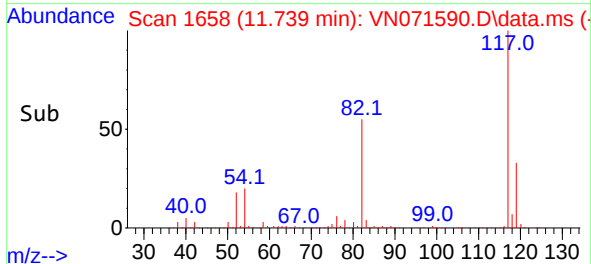
Instrument :
MSVOA_N
ClientSampleId :
BLDG-3



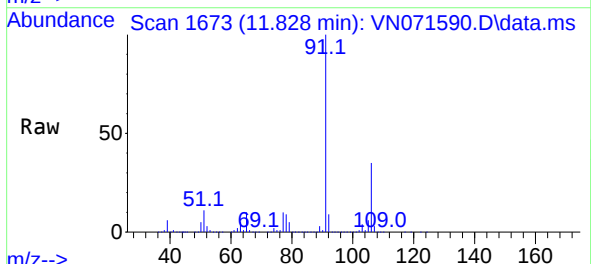
Tgt Ion: 117 Resp: 132544
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.5 25.4 38.0

Manual Integrations
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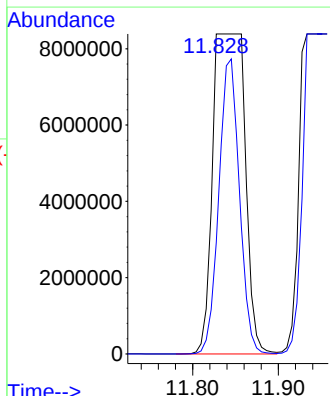
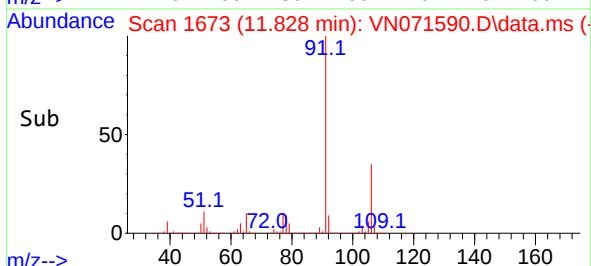
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

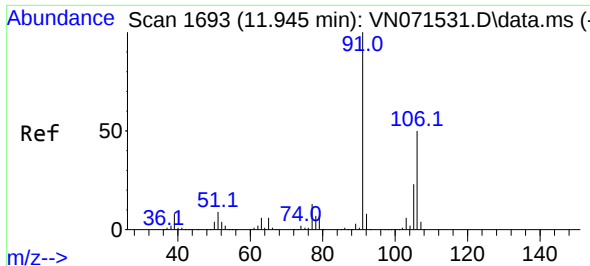


#67
Ethyl Benzene
Concen: 456.191 ug/l m
RT: 11.828 min Scan# 1673
Delta R.T. -0.012 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15



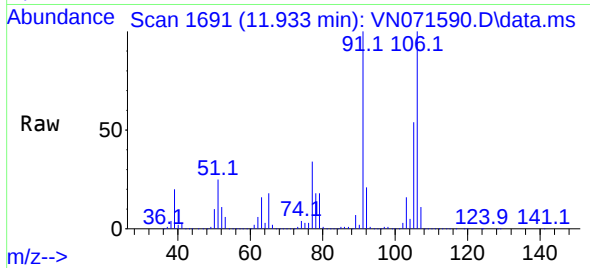
Tgt Ion: 91 Resp: 22023737
Ion Ratio Lower Upper
91 100
106 34.8 24.9 37.3





#68
m/p-Xylenes
Concen: 1402.614 ug/l m
RT: 11.933 min Scan# 1693
Delta R.T. -0.012 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

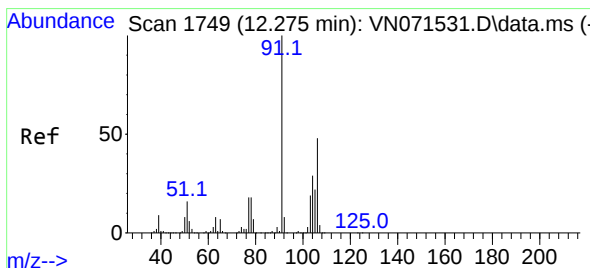
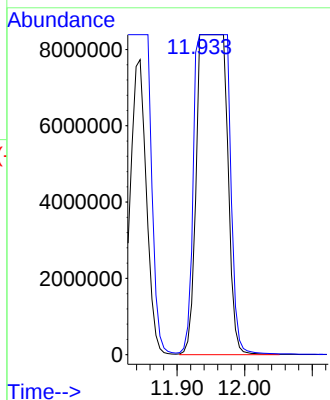
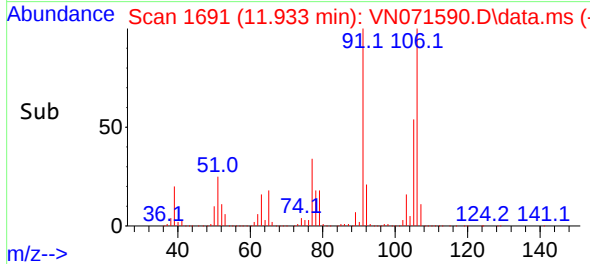
Instrument :
MSVOA_N
ClientSampleId :
BLDG-3



Tgt Ion:106 Resp:2591010
Ion Ratio Lower Upper
106 100
91 0.0 158.9 238.3

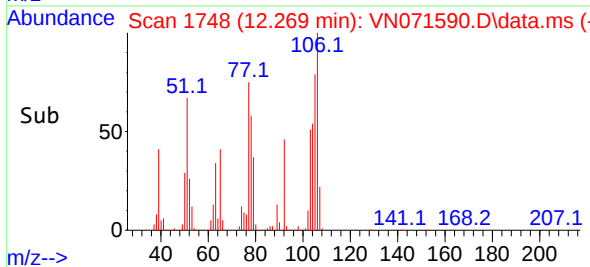
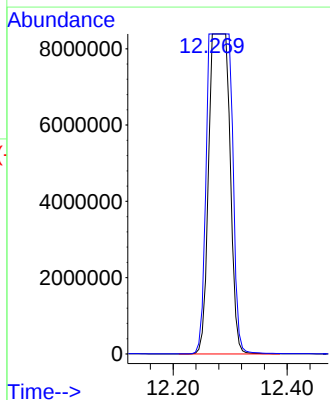
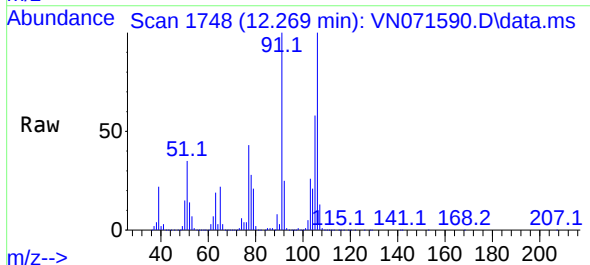
Manual Integrations
APPROVED

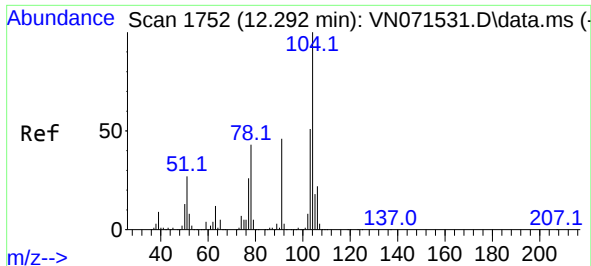
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#69
o-Xylene
Concen: 1166.694 ug/l m
RT: 12.269 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

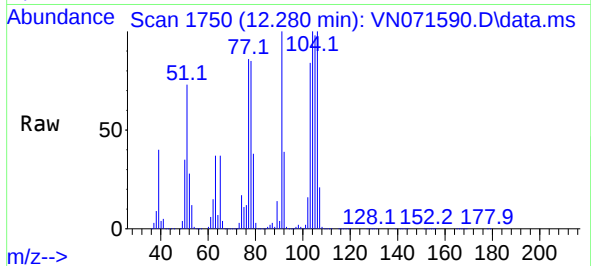
Tgt Ion:106 Resp:21410748
Ion Ratio Lower Upper
106 100
91 0.0 106.0 318.0





#70
Styrene
Concen: 804.924 ug/l m
RT: 12.280 min Scan# 1750
Delta R.T. -0.012 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

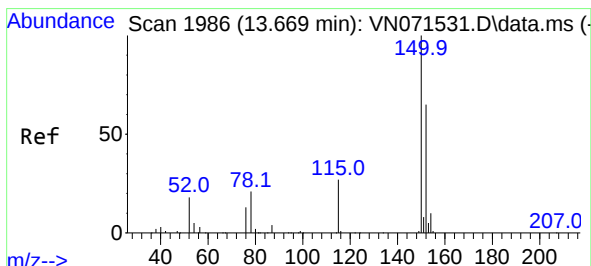
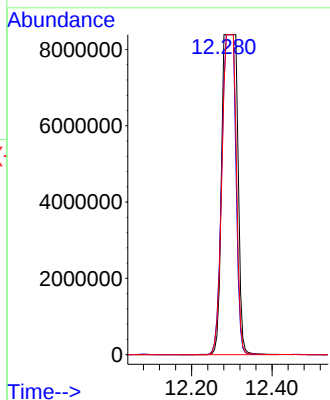
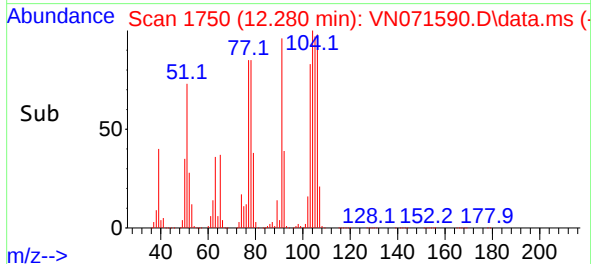
Instrument :
MSVOA_N
ClientSampleId :
BLDG-3



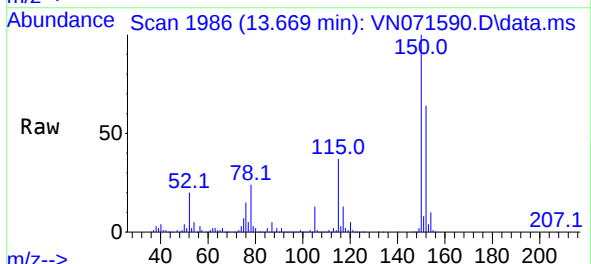
Tgt Ion:104 Resp:2303144
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3
103 0.0 44.0 66.0

Manual Integrations
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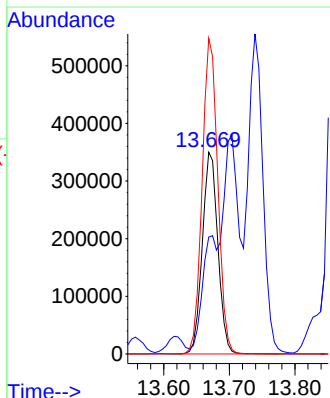
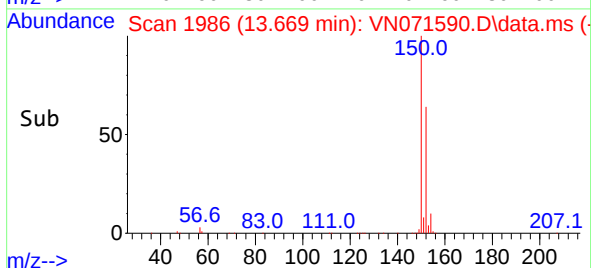
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

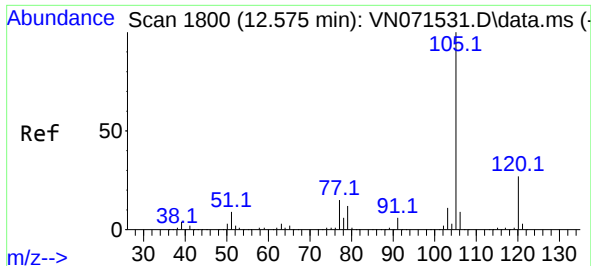


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15



Tgt Ion:152 Resp: 577269
Ion Ratio Lower Upper
152 100
115 0.0 28.9 86.7
150 157.6 0.0 356.2





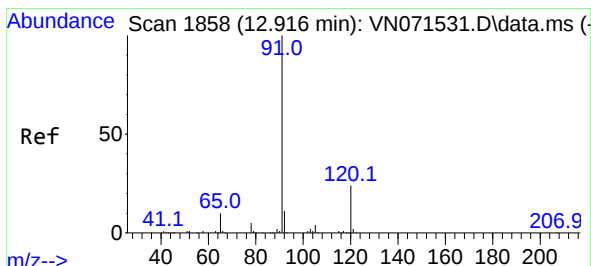
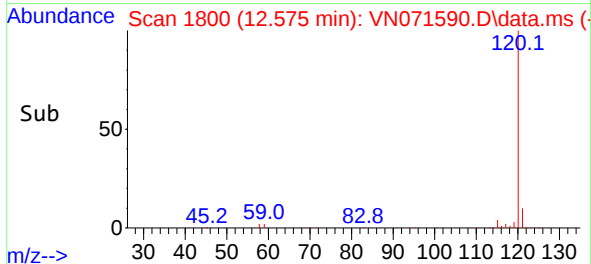
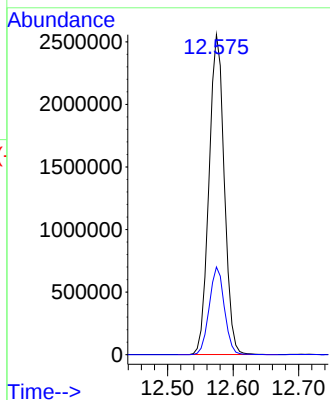
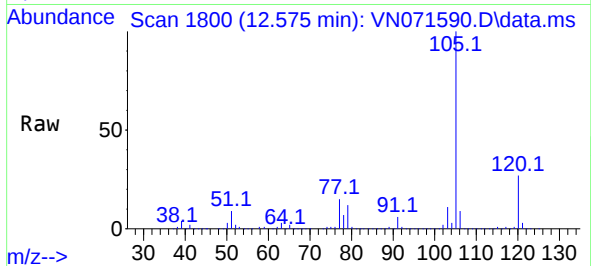
#73
Isopropylbenzene
Concen: 81.247 ug/l
RT: 12.575 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

Instrument :
MSVOA_N
ClientSampleId :
BLDG-3

Tgt Ion:105 Resp: 413498
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4

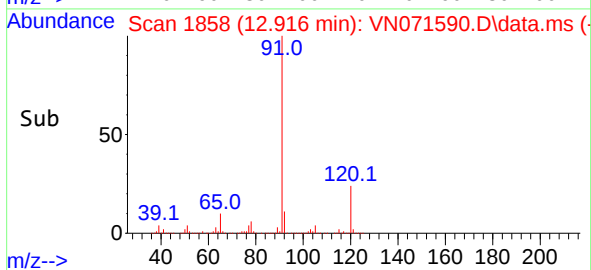
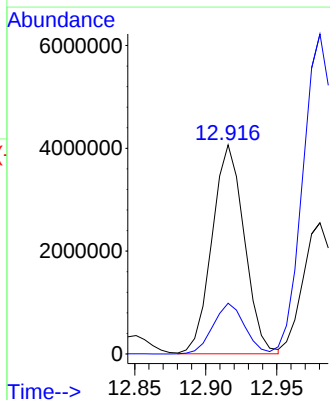
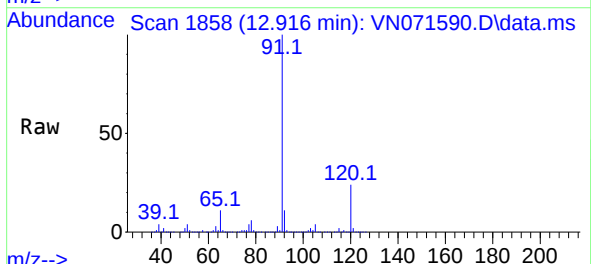
Manual Integrations
APPROVED

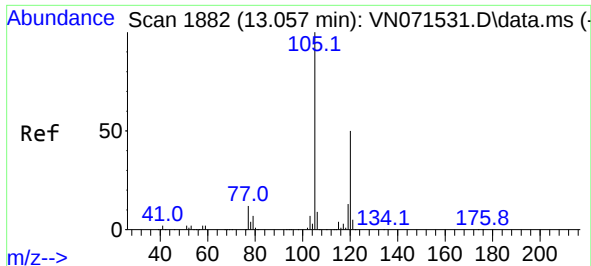
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#78
n-propylbenzene
Concen: 118.874 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

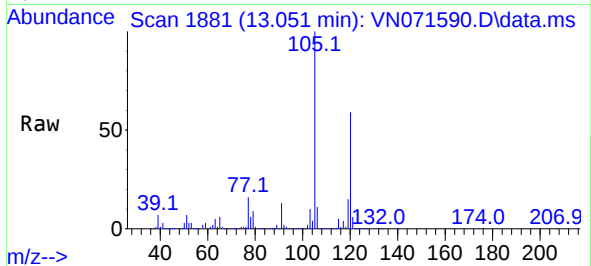
Tgt Ion: 91 Resp: 6436733
Ion Ratio Lower Upper
91 100
120 23.8 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 378.530 ug/l
RT: 13.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

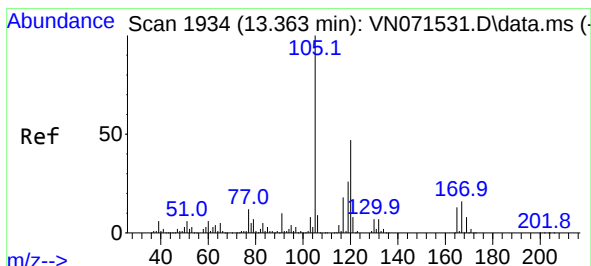
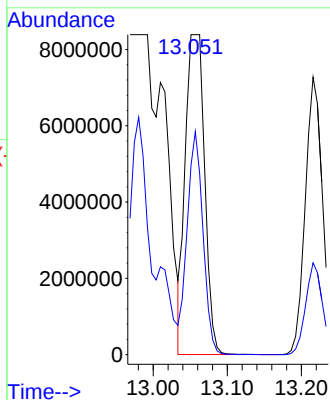
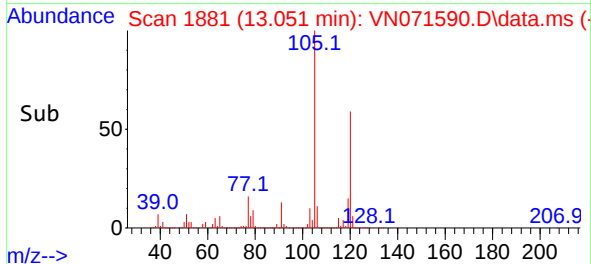
Instrument :
MSVOA_N
ClientSampleId :
BLDG-3



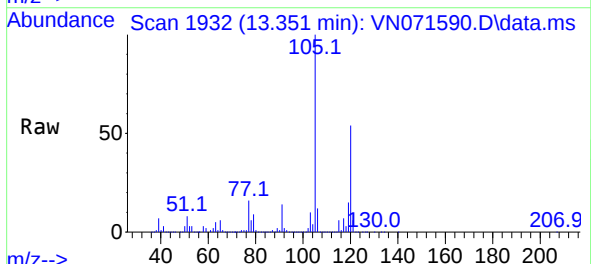
Tgt Ion:105 Resp:1520729
Ion Ratio Lower Upper
105 100
120 57.1 24.9 74.7

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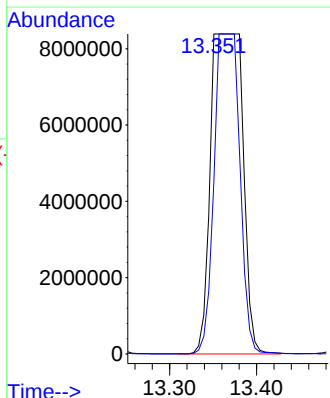
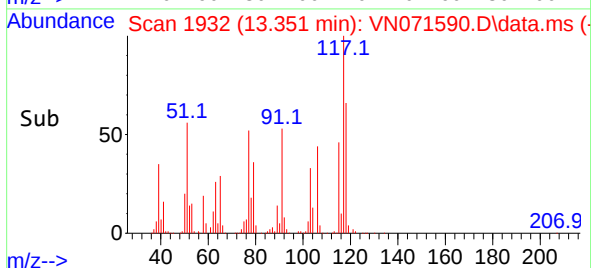
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

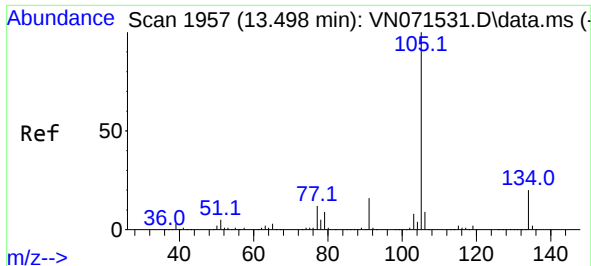


#84
1,2,4-Trimethylbenzene
Concen: 559.980 ug/l m
RT: 13.351 min Scan# 1932
Delta R.T. -0.012 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15



Tgt Ion:105 Resp:21708940
Ion Ratio Lower Upper
105 100
120 17.4 23.3 69.8#





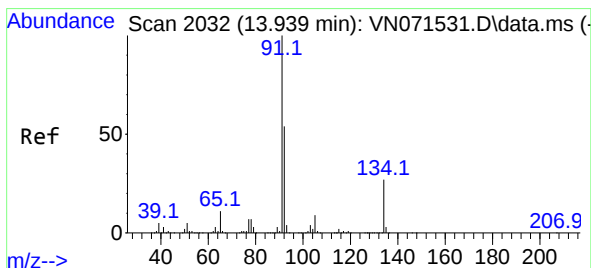
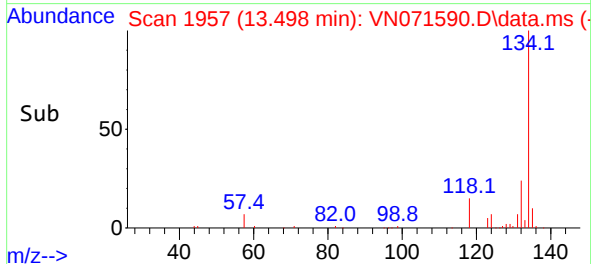
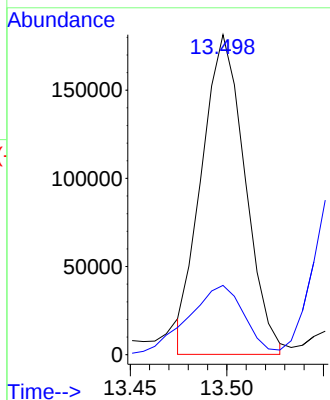
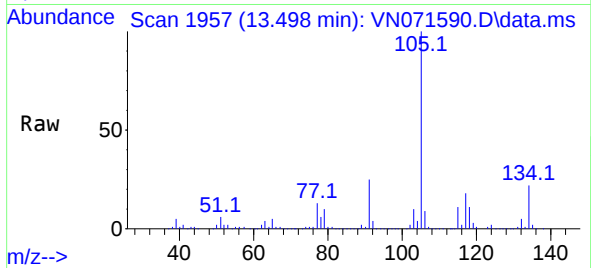
#85
sec-Butylbenzene
Concen: 5.890 ug/l m
RT: 13.498 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

Instrument :
MSVOA_N
ClientSampleId :
BLDG-3

Tgt Ion:105 Resp: 28314
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1

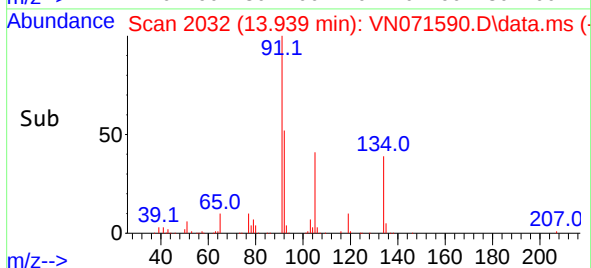
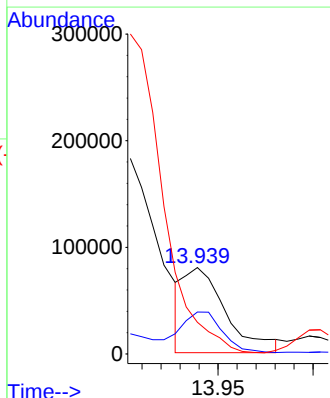
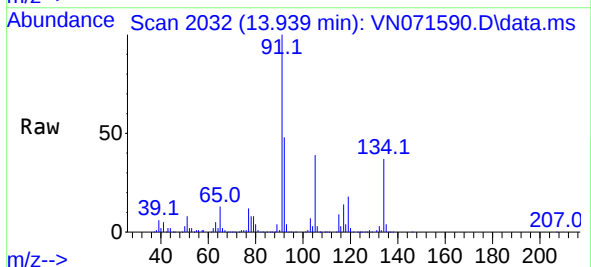
Manual Integrations
APPROVED

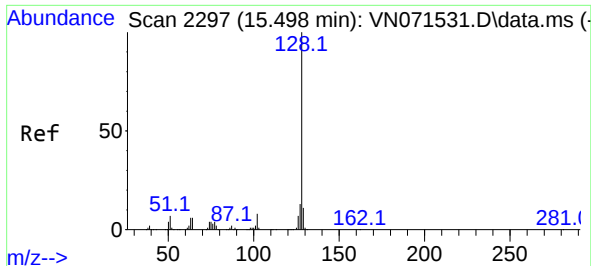
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#89
n-Butylbenzene
Concen: 4.234 ug/l m
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

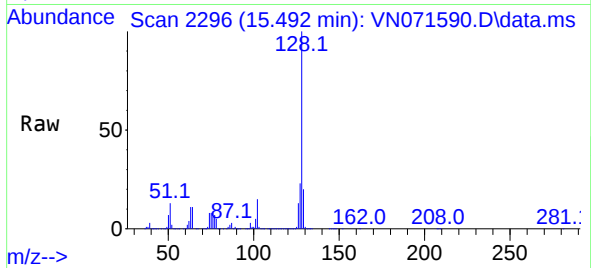
Tgt Ion: 91 Resp: 124254
Ion Ratio Lower Upper
91 100
92 296.4 26.9 80.7#
134 0.0 13.6 40.8#





#95
Naphthalene
Concen: 727.831 ug/l m
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071590.D
Acq: 26 Mar 2022 22:15

Instrument :
MSVOA_N
ClientSampleId :
BLDG-3



Tgt Ion:128 Resp:22752320
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5
129 0.0 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

