

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071375.D
 Acq On : 18 Mar 2022 16:18
 Operator : JC\MD
 Sample : N2009-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31405

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 07:08:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	886335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1471608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1416344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	604918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	570401	46.956	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.920%		
35) Dibromofluoromethane	8.022	113	429176	46.216	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.440%		
50) Toluene-d8	10.439	98	1855506	49.626	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.260%		
62) 4-Bromofluorobenzene	12.727	95	728979	57.576	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	115.160%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.369	59	7442	3.119	ug/l #	71
16) Acetone	4.293	43	58154	9.839	ug/l	94
18) Methyl Acetate	4.863	43	13196	1.294	ug/l #	79
19) Methyl tert-butyl Ether	5.616	73	22150	0.664	ug/l #	1
25) 2-Butanone	7.339	43	14990	1.574	ug/l	98
39) Methylcyclohexane	9.457	83	103367	5.905	ug/l	89
40) Benzene	8.457	78	1629183	36.342	ug/l	100
52) Toluene	10.504	92	9352432	338.801	ug/l	92
60) Dibromochloromethane	11.233	129	3082	0.280	ug/l	96
67) Ethyl Benzene	11.839	91	3585064	66.661	ug/l	97
68) m/p-Xylenes	11.945	106	5567434	282.978	ug/l	99
69) o-Xylene	12.274	106	3901546	197.831	ug/l	98
73) Isopropylbenzene	12.574	105	323251	5.543	ug/l	99
78) n-propylbenzene	12.915	91	954375	15.252	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	1984999	43.754	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	5988451	137.808	ug/l	100
85) sec-Butylbenzene	13.498	105	165793m	3.081	ug/l	
86) p-Isopropyltoluene	13.610	119	137129	3.240	ug/l	99
89) n-Butylbenzene	13.939	91	145519	4.396	ug/l #	73
95) Naphthalene	15.498	128	332871	15.855	ug/l	99

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

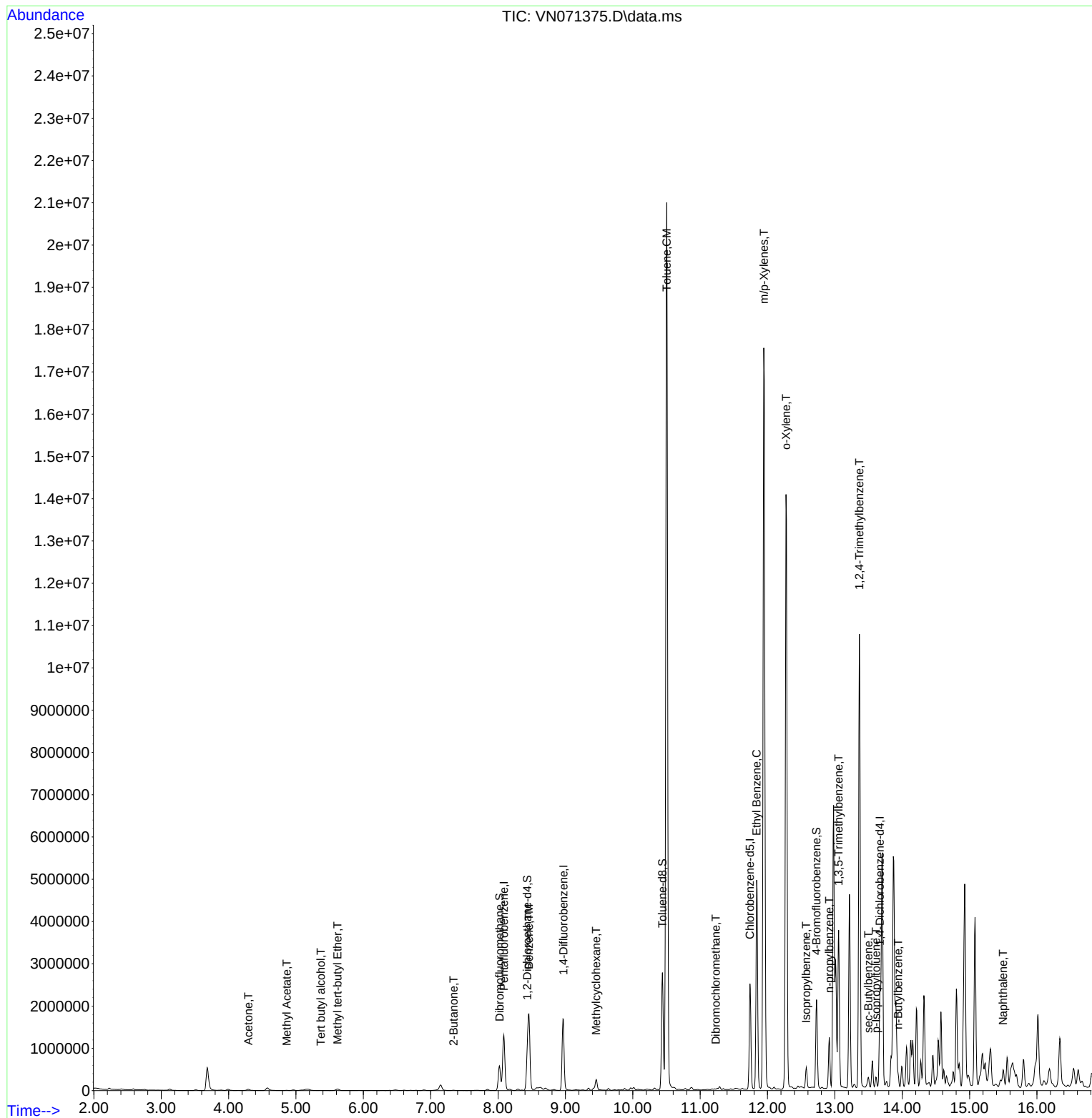
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
Data File : VN071375.D
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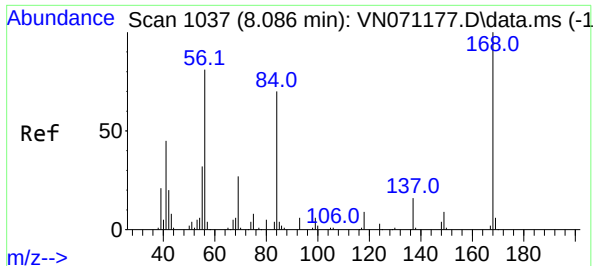
Instrument :
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Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VN071375.D

Acq: 18 Mar 2022 16:18

Instrument :

MSVOA_N

ClientSampleId :

31405

Tgt Ion:168 Resp: 88633

Ion Ratio Lower Upper

168 100

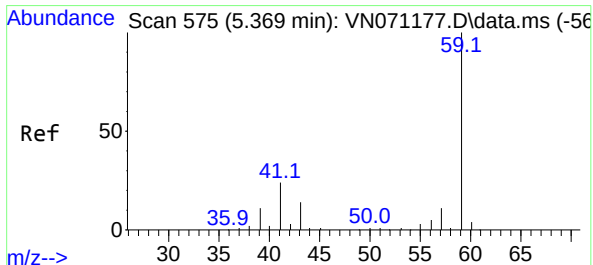
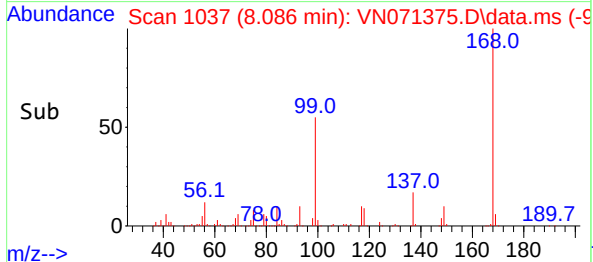
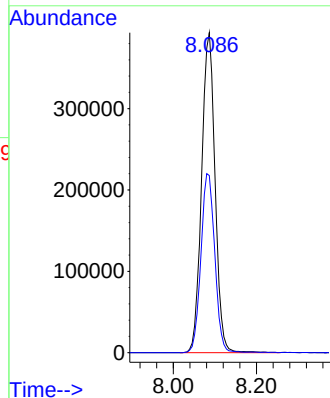
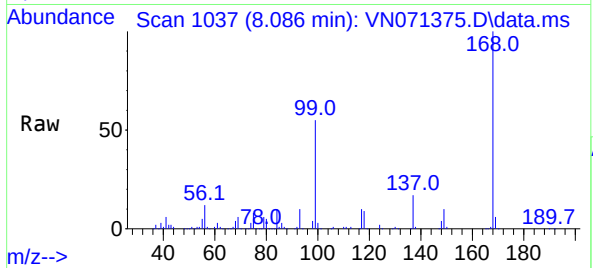
99 55.3 41.3 61.9

Manual Integrations

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Reviewed By :John Carlone 03/19/2022

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#11

Tert butyl alcohol

Concen: 3.119 ug/l

RT: 5.369 min Scan# 575

Delta R.T. -0.000 min

Lab File: VN071375.D

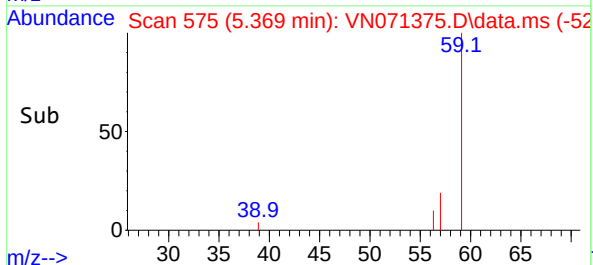
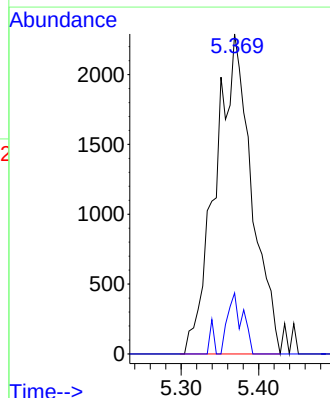
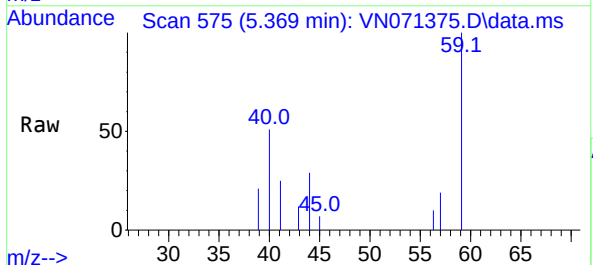
Acq: 18 Mar 2022 16:18

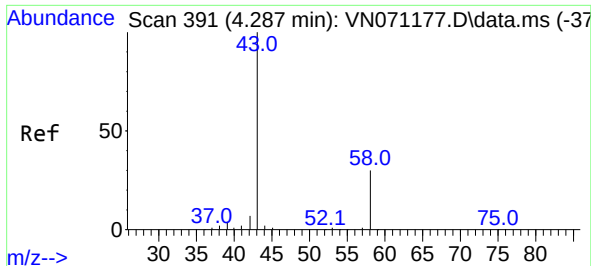
Tgt Ion: 59 Resp: 7442

Ion Ratio Lower Upper

59 100

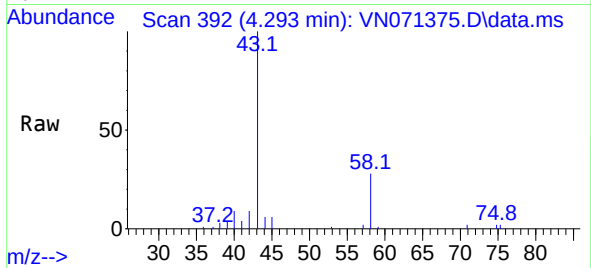
57 0.0 8.7 13.1#





#16
Acetone
Concen: 9.839 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

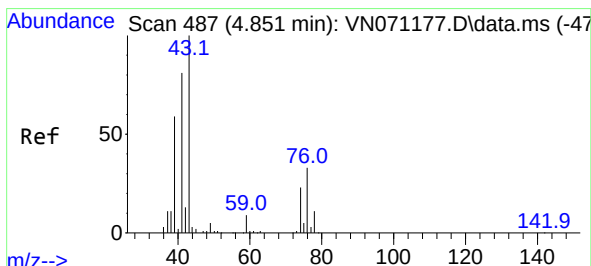
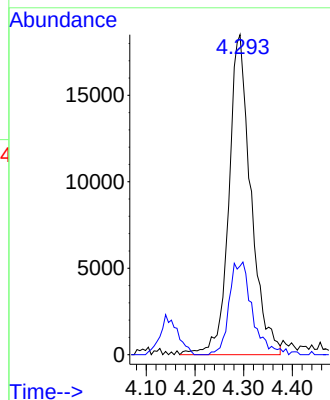
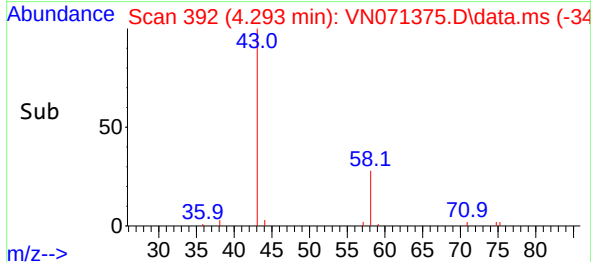
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31405



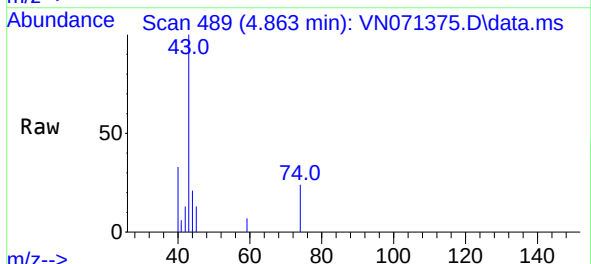
Tgt Ion: 43 Resp: 58154
Ion Ratio Lower Upper
43 100
58 25.8 23.1 34.7

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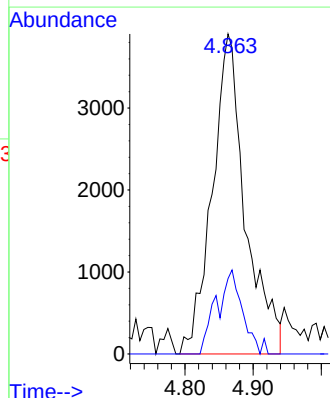
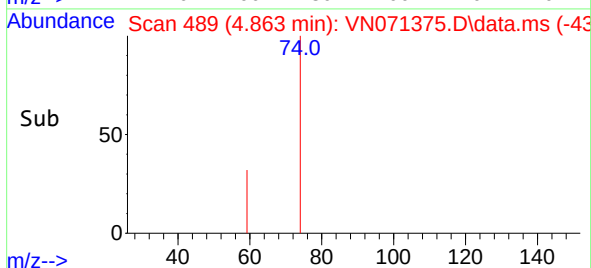
Reviewed By :John Carlone 03/19/2022
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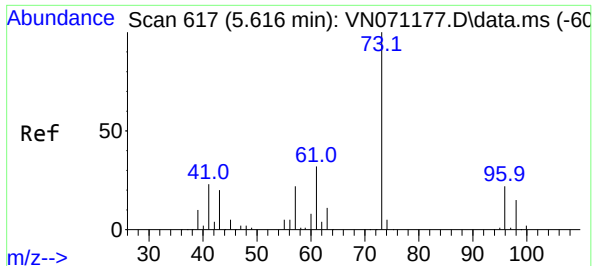


#18
Methyl Acetate
Concen: 1.294 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18



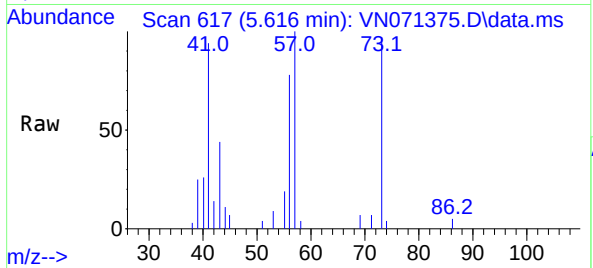
Tgt Ion: 43 Resp: 13196
Ion Ratio Lower Upper
43 100
74 14.0 19.4 29.2#





#19
Methyl tert-butyl Ether
Concen: 0.664 ug/l
RT: 5.616 min Scan# 617
Delta R.T. -0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

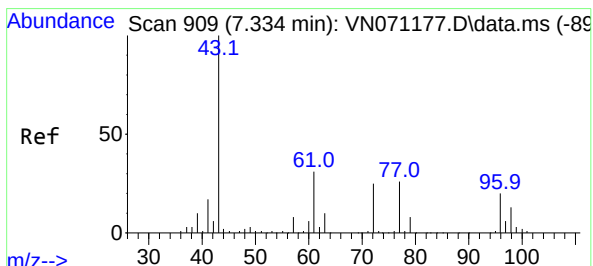
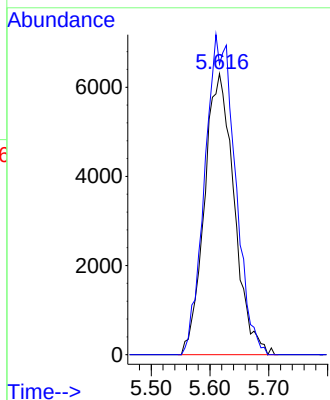
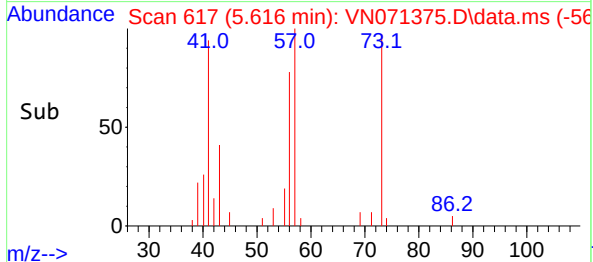
Instrument :
MSVOA_N
ClientSampleId :
31405



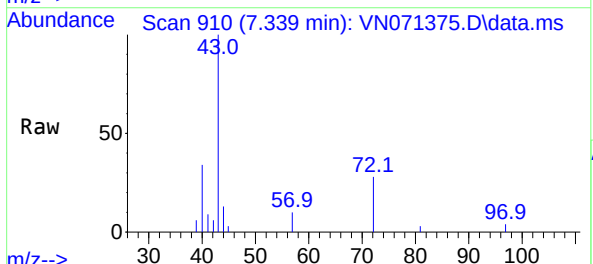
Tgt Ion: 73 Resp: 22150
Ion Ratio Lower Upper
73 100
57 103.4 16.8 25.2

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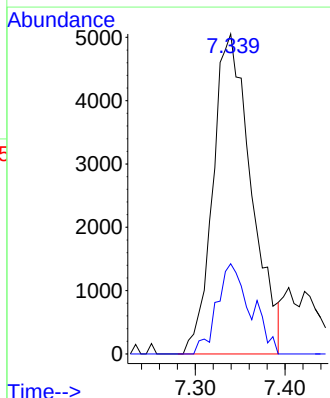
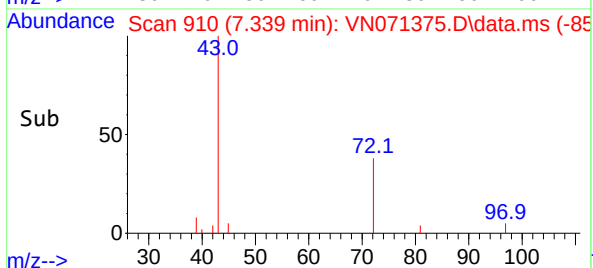
Reviewed By :John Carlone 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

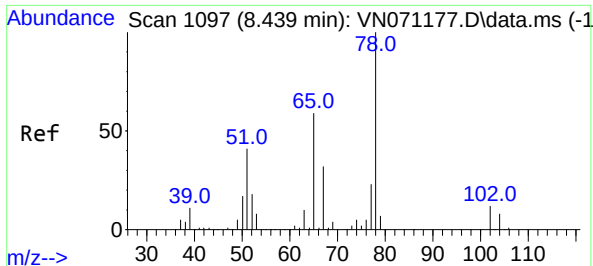


#25
2-Butanone
Concen: 1.574 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18



Tgt Ion: 43 Resp: 14990
Ion Ratio Lower Upper
43 100
72 28.2 21.7 32.5





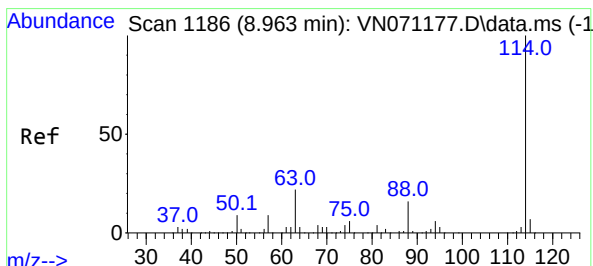
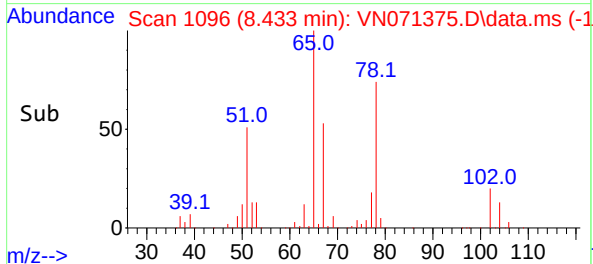
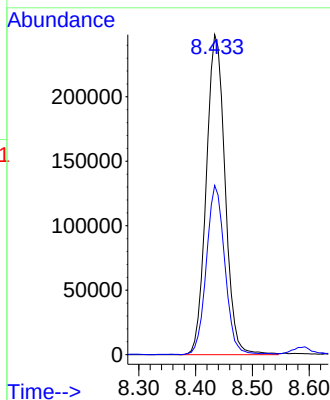
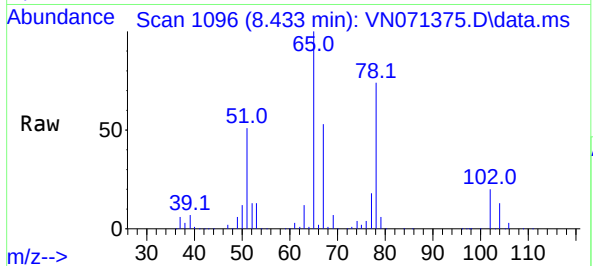
#33
1,2-Dichloroethane-d4
Concen: 46.956 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

Instrument :
MSVOA_N
ClientSampleId :
31405

Tgt Ion: 65 Resp: 57040
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.0

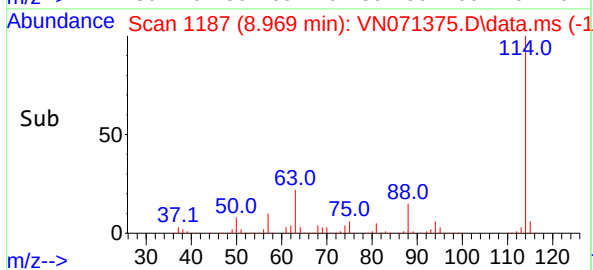
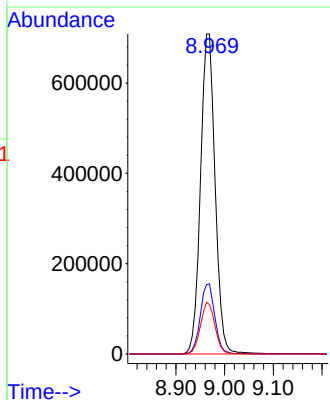
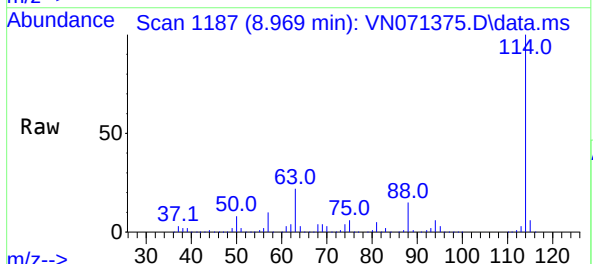
Manual Integrations
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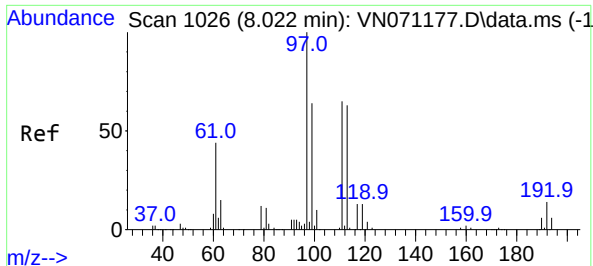
Reviewed By :John Carlone 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

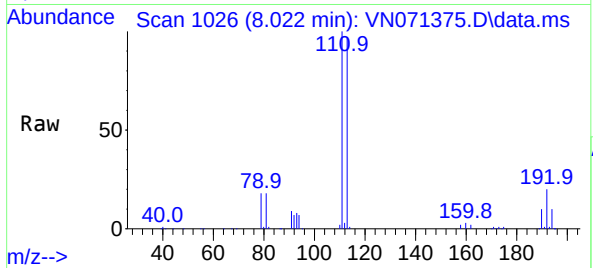
Tgt Ion:114 Resp: 1471608
Ion Ratio Lower Upper
114 100
63 21.9 0.0 37.8
88 15.5 0.0 27.4





#35
Dibromofluoromethane
Concen: 46.216 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

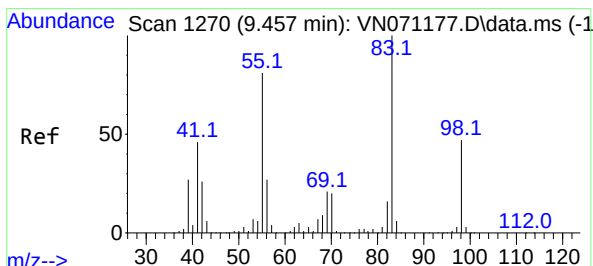
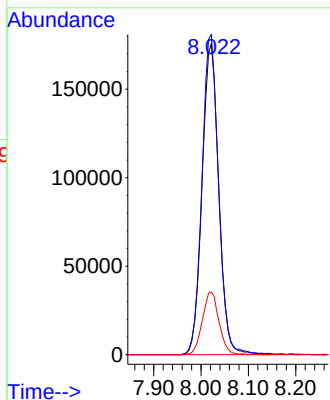
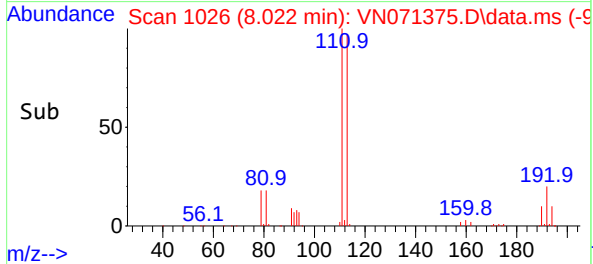
Instrument :
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31405



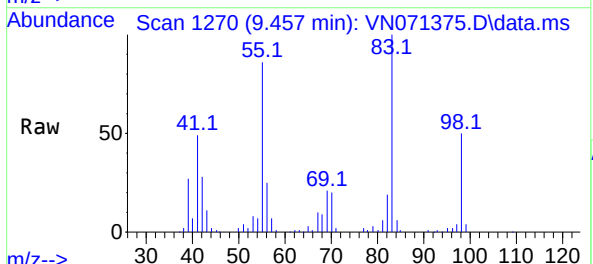
Tgt Ion: 113 Resp: 429170
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.1 16.9 25.3

Manual Integrations
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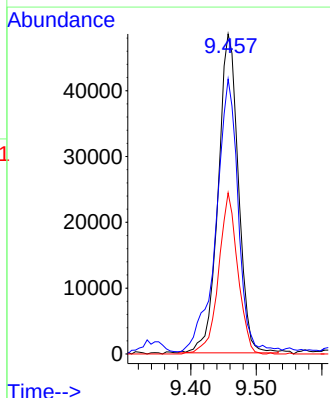
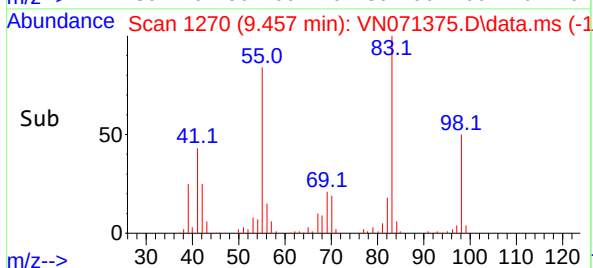
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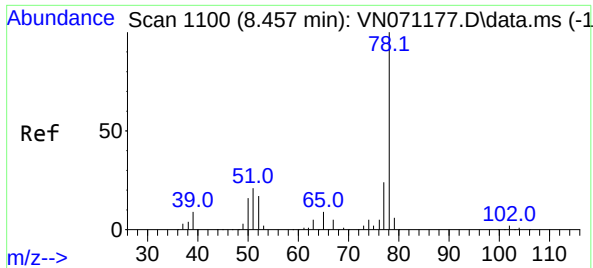


#39
Methylcyclohexane
Concen: 5.905 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18



Tgt Ion: 83 Resp: 103367
Ion Ratio Lower Upper
83 100
55 85.5 58.1 87.1
98 50.5 38.4 57.6





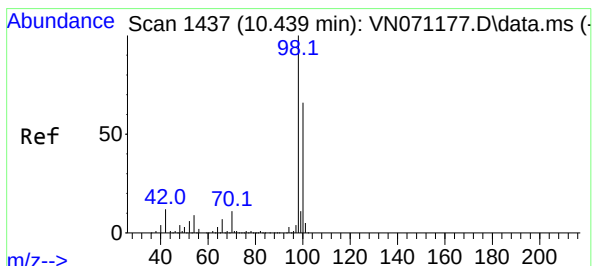
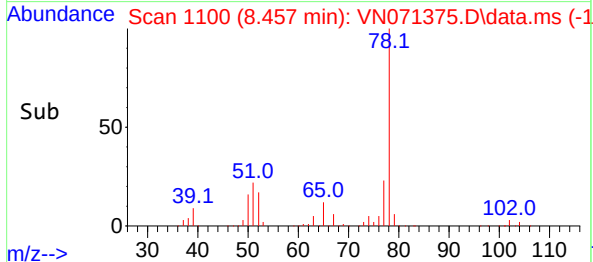
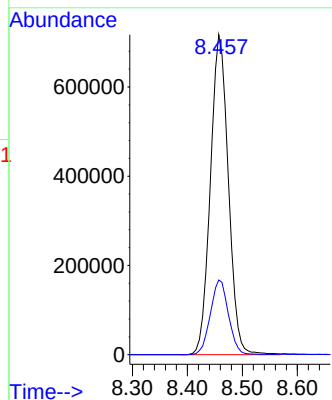
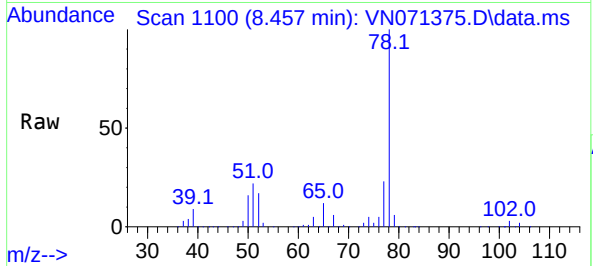
#40
Benzene
Concen: 36.342 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

Instrument :
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Tgt Ion: 78 Resp: 162918
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8

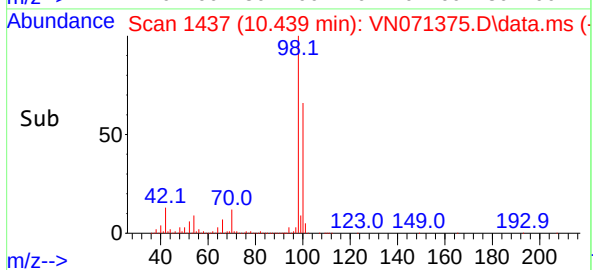
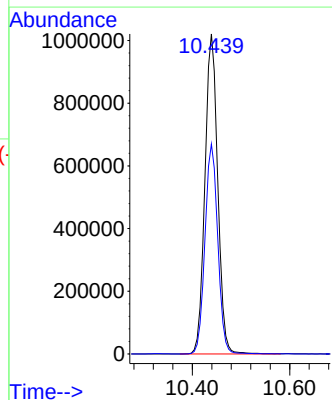
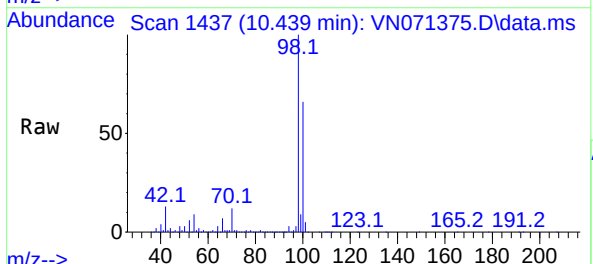
Manual Integrations
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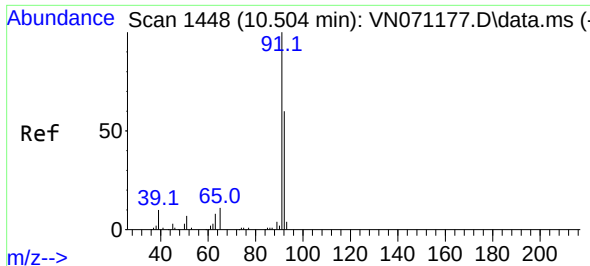
Reviewed By :John Carlone 03/19/2022
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#50
Toluene-d8
Concen: 49.626 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

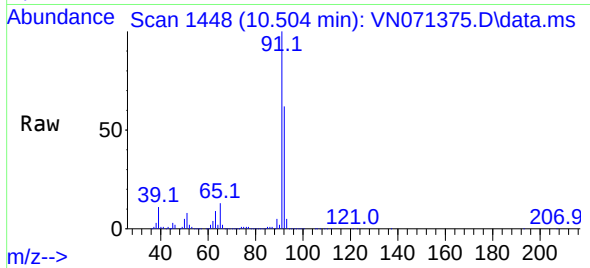
Tgt Ion: 98 Resp: 1855506
Ion Ratio Lower Upper
98 100
100 65.6 50.4 75.6





#52
Toluene
Concen: 338.801 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

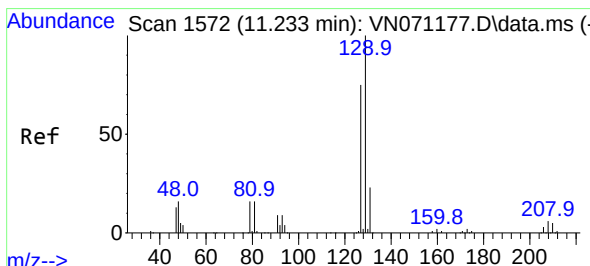
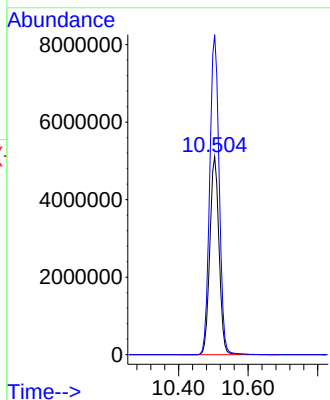
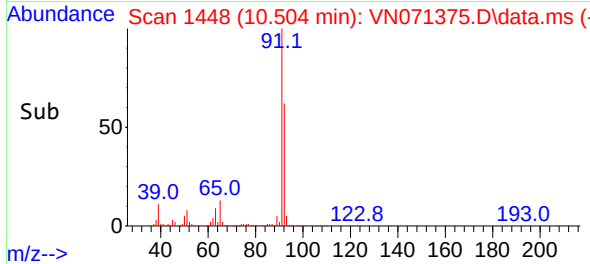
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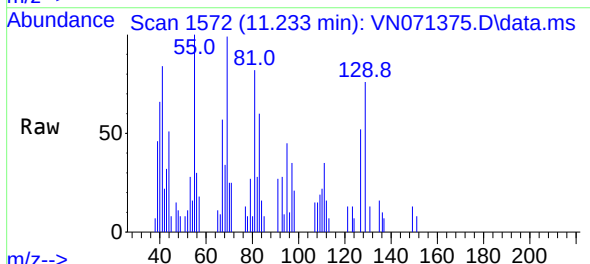
Tgt Ion: 92 Resp: 935243
Ion Ratio Lower Upper
92 100
91 165.8 142.0 213.0

Manual Integrations
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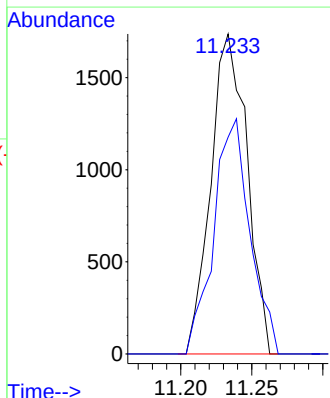
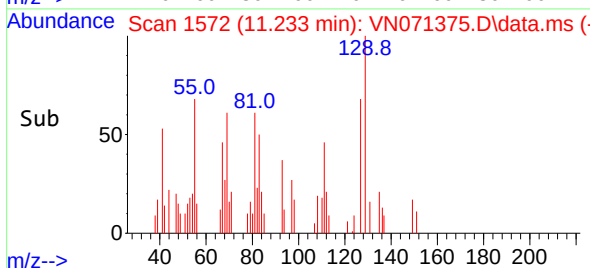
Reviewed By :John Carlone 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

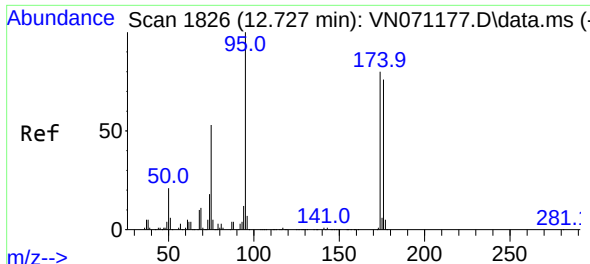


#60
Dibromochloromethane
Concen: 0.280 ug/l
RT: 11.233 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18



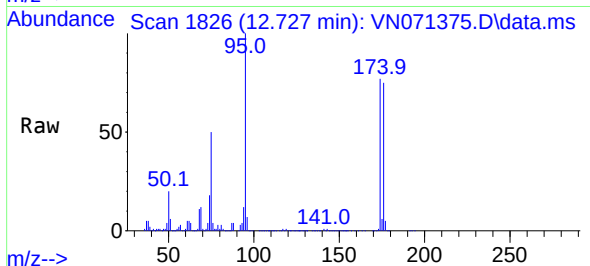
Tgt Ion:129 Resp: 3082
Ion Ratio Lower Upper
129 100
127 73.6 38.6 116.0





#62
4-Bromofluorobenzene
Concen: 57.576 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

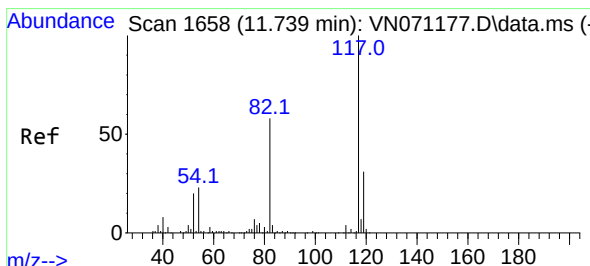
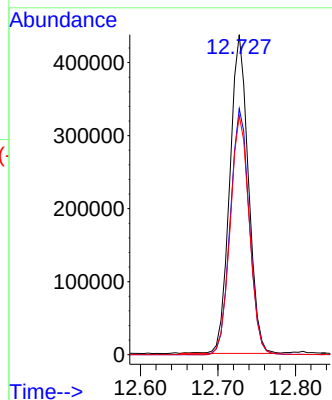
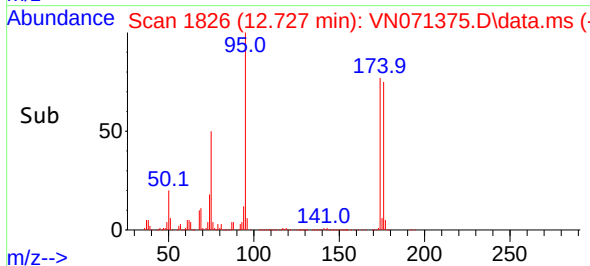
Instrument :
MSVOA_N
ClientSampleId :
31405



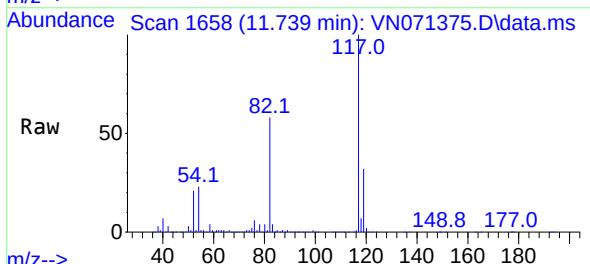
Tgt Ion: 95 Resp: 728979
Ion Ratio Lower Upper
95 100
174 78.7 0.0 187.2
176 76.8 0.0 181.4

Manual Integrations
APPROVED

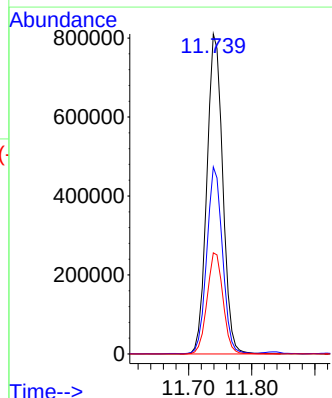
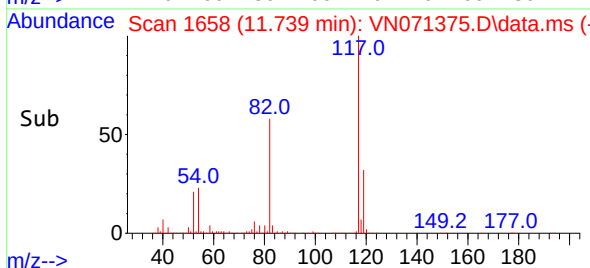
Reviewed By :John Carlone 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

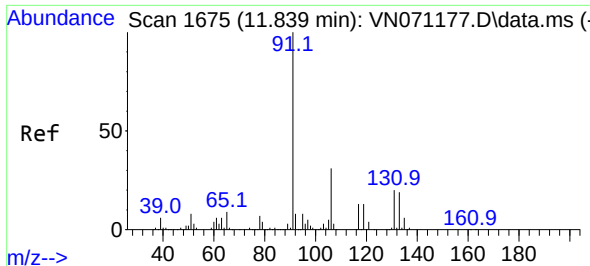


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18



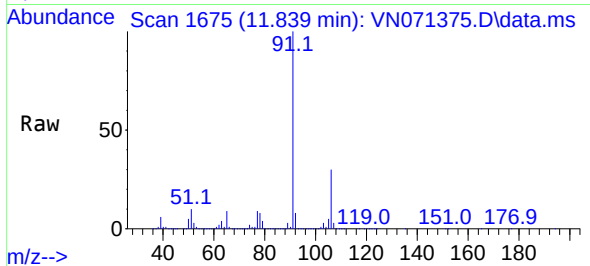
Tgt Ion:117 Resp: 1416344
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 31.6 25.4 38.2





#67
Ethyl Benzene
Concen: 66.661 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

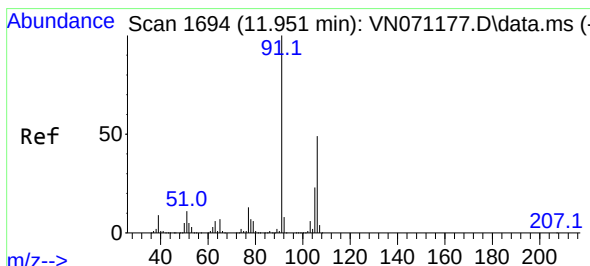
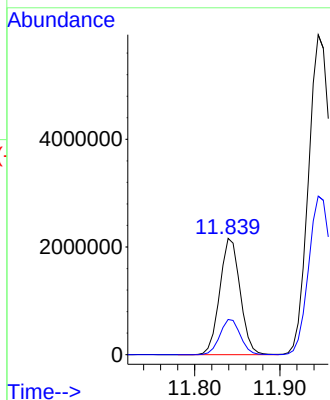
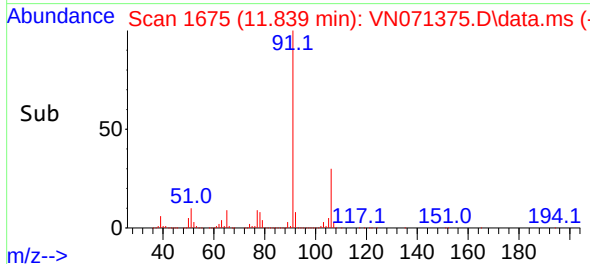
Instrument :
MSVOA_N
ClientSampleId :
31405



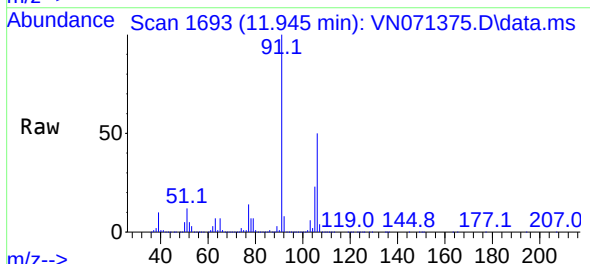
Tgt Ion: 91 Resp: 3585064
Ion Ratio Lower Upper
91 100
106 30.3 25.7 38.5

Manual Integrations
APPROVED

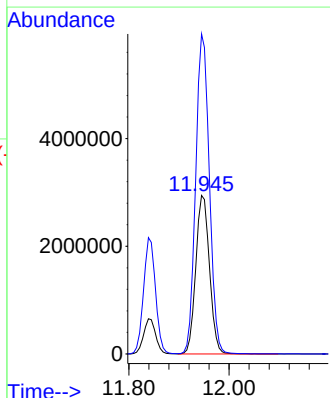
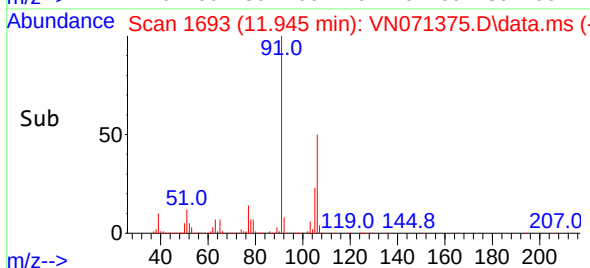
Reviewed By :John Carlone 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

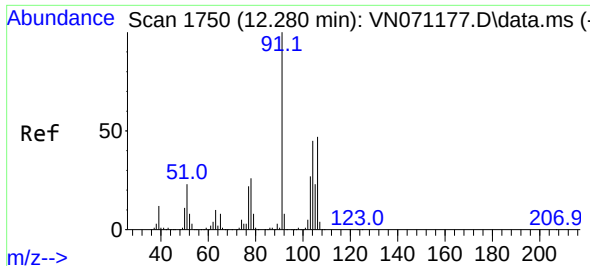


#68
m/p-Xylenes
Concen: 282.978 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18



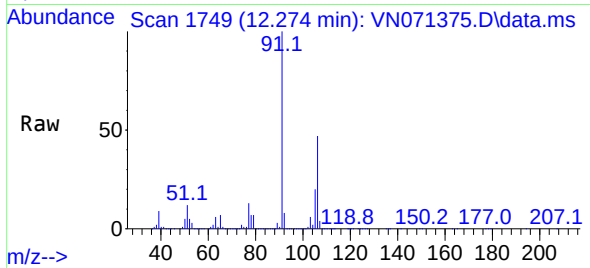
Tgt Ion:106 Resp: 5567434
Ion Ratio Lower Upper
106 100
91 201.6 160.6 240.8





#69
o-Xylene
Concen: 197.831 ug/l
RT: 12.274 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

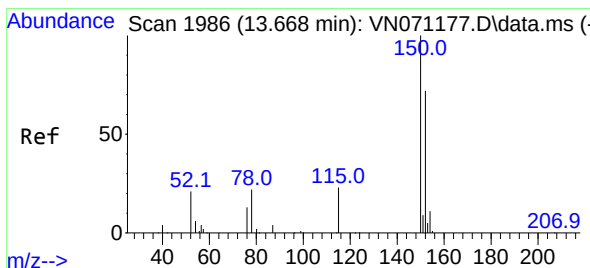
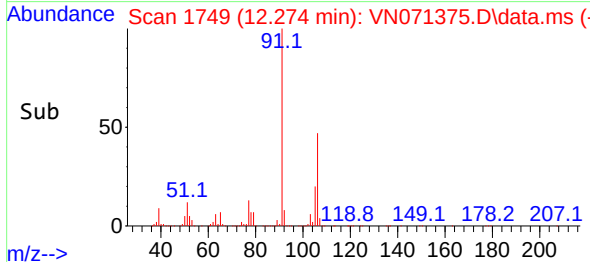
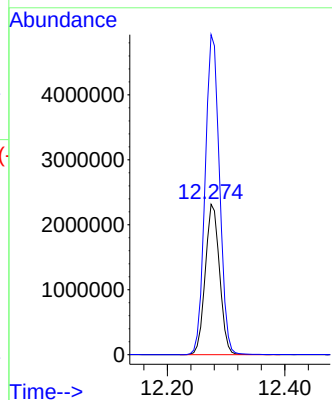
Instrument :
MSVOA_N
ClientSampleId :
31405



Tgt Ion:106 Resp: 3901540
Ion Ratio Lower Upper
106 100
91 214.4 105.8 317.3

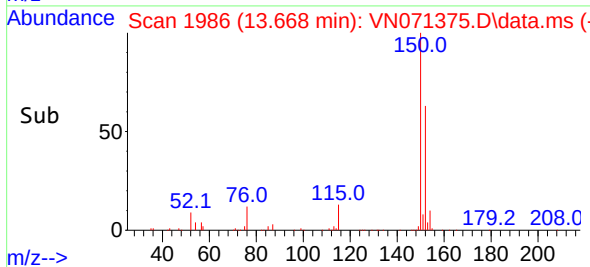
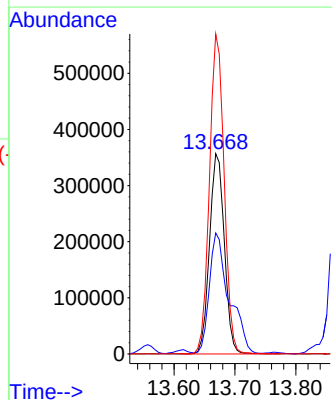
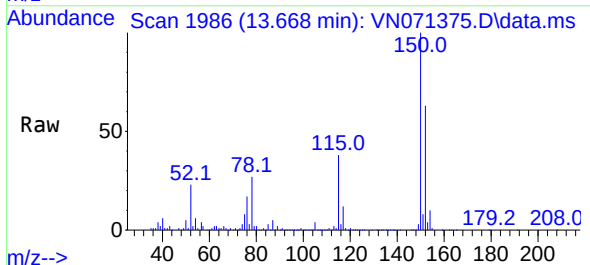
Manual Integrations
APPROVED

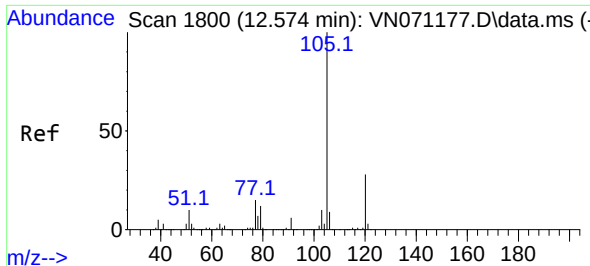
Reviewed By :John Carlone 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

Tgt Ion:152 Resp: 604918
Ion Ratio Lower Upper
152 100
115 79.9 27.5 82.5
150 157.4 0.0 344.4





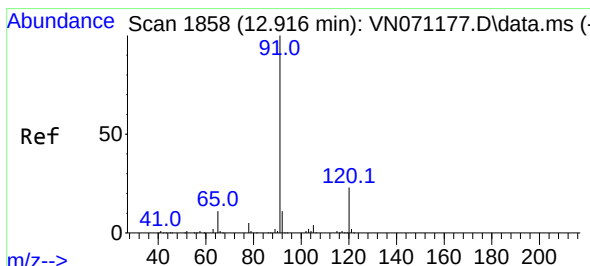
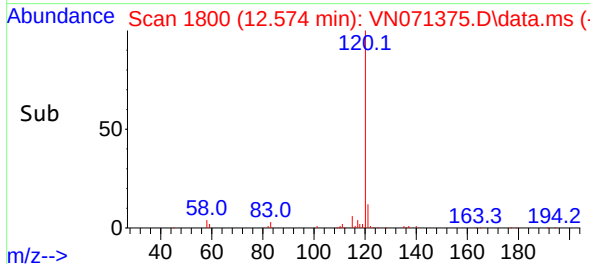
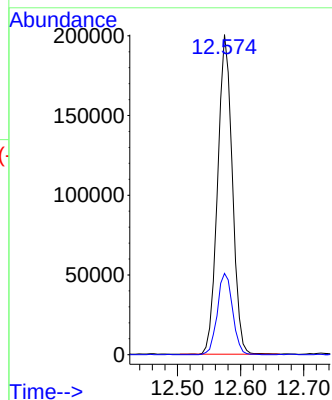
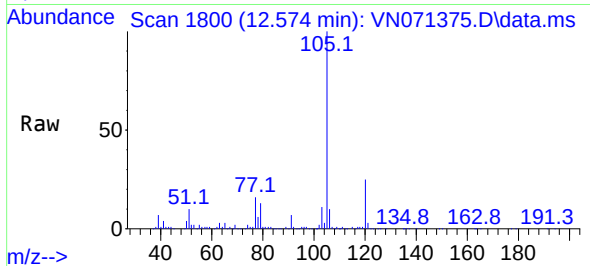
#73
Isopropylbenzene
Concen: 5.543 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

Instrument :
MSVOA_N
ClientSampleId :
31405

Tgt Ion:105 Resp: 32325
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.1

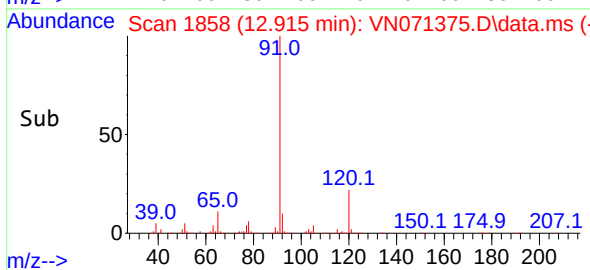
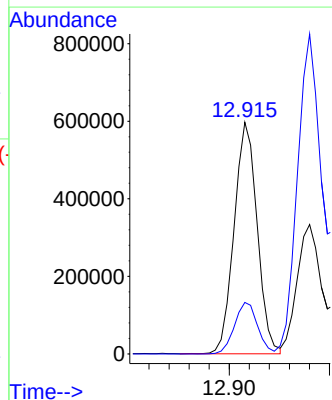
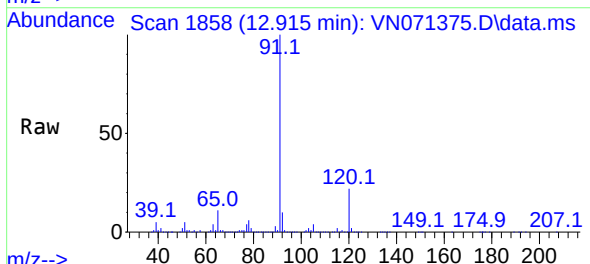
Manual Integrations
APPROVED

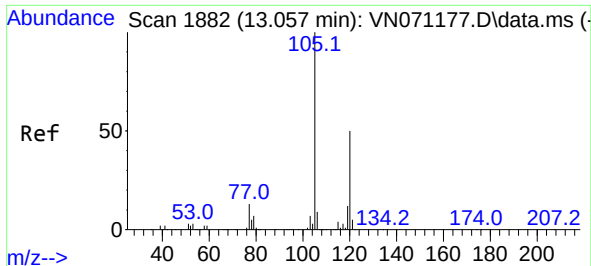
Reviewed By :John Carlone 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#78
n-propylbenzene
Concen: 15.252 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

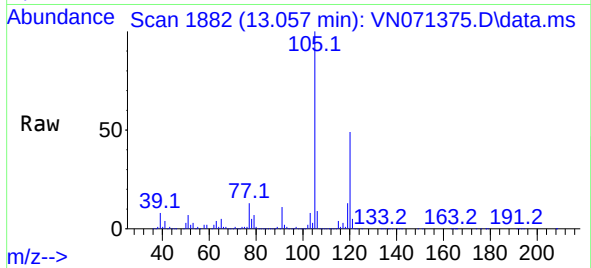
Tgt Ion: 91 Resp: 954375
Ion Ratio Lower Upper
91 100
120 22.4 11.9 35.9





#80
1,3,5-Trimethylbenzene
Concen: 43.754 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

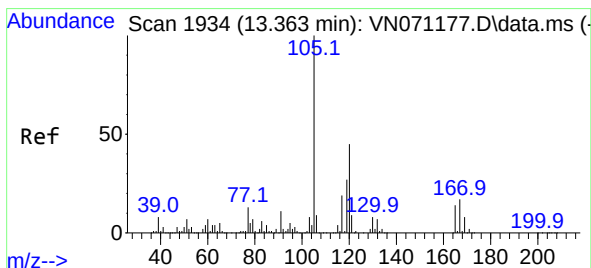
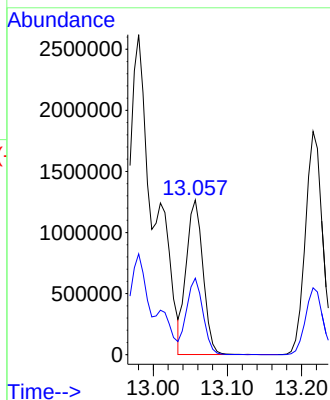
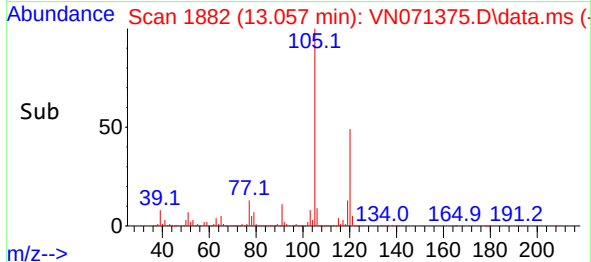
Instrument :
MSVOA_N
ClientSampleId :
31405



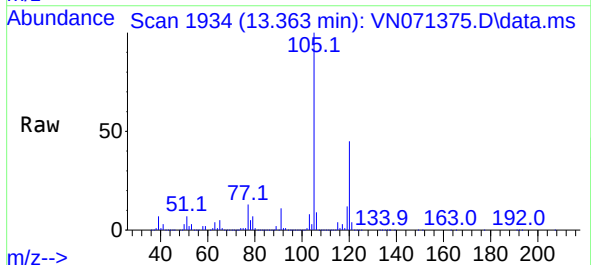
Tgt Ion:105 Resp: 1984999
Ion Ratio Lower Upper
105 100
120 48.6 24.6 73.6

Manual Integrations
APPROVED

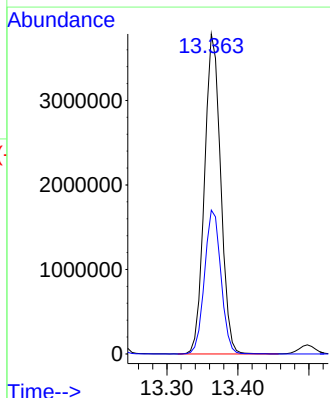
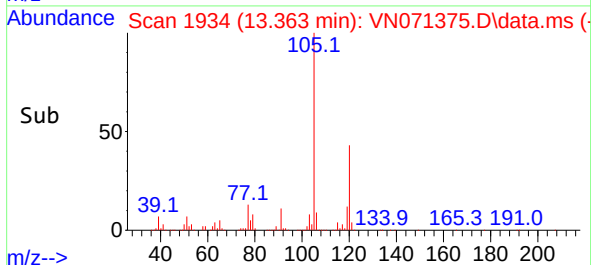
Reviewed By :John Carlone 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

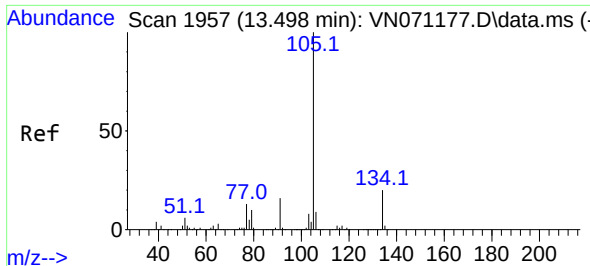


#84
1,2,4-Trimethylbenzene
Concen: 137.808 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18



Tgt Ion:105 Resp: 5988451
Ion Ratio Lower Upper
105 100
120 45.6 22.8 68.4





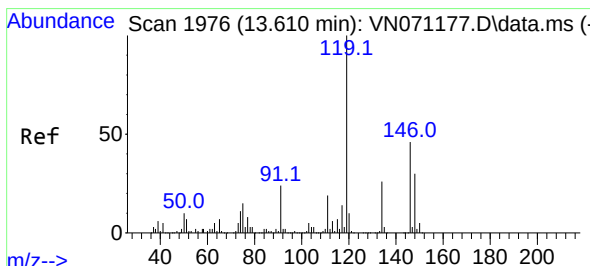
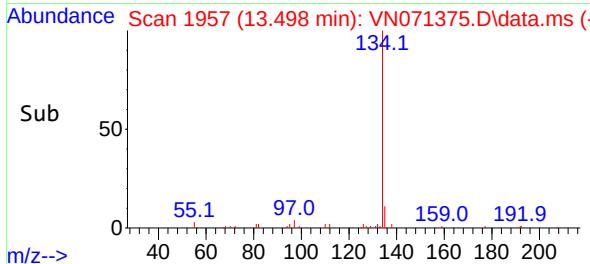
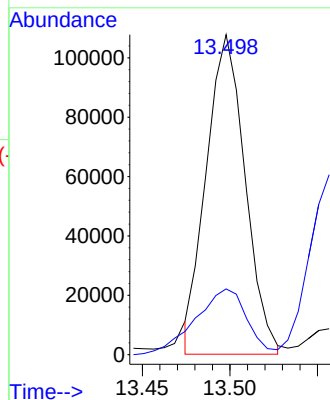
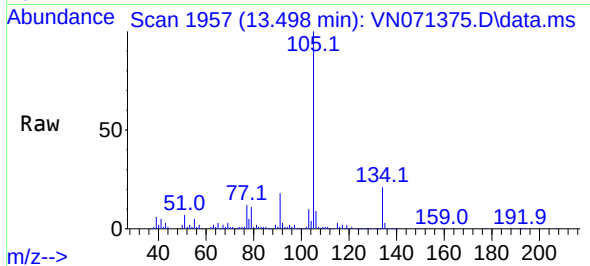
#85
 sec-Butylbenzene
 Concen: 3.081 ug/l m
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN071375.D
 Acq: 18 Mar 2022 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 31405

Tgt Ion:105 Resp: 165793
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

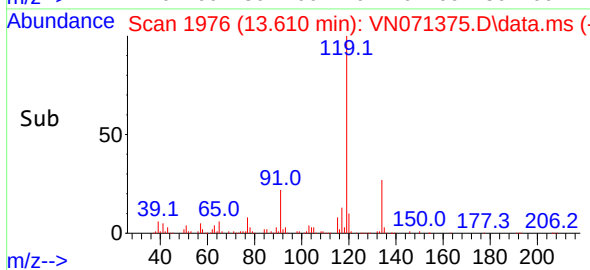
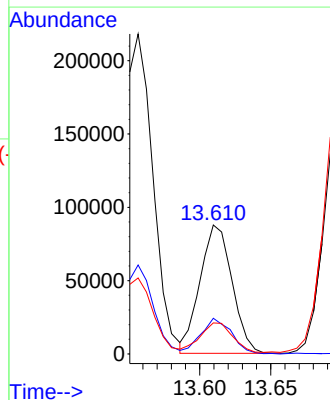
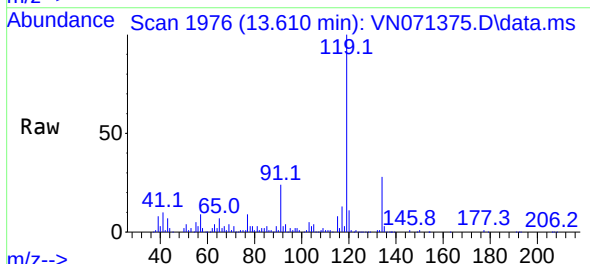
Manual Integrations
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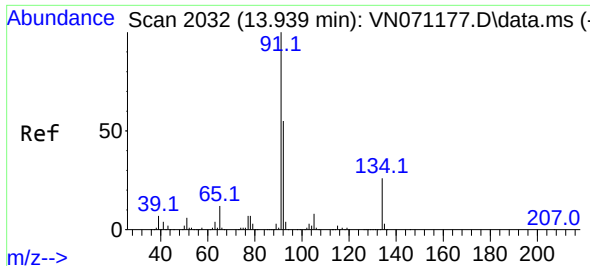
Reviewed By :John Carlone 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022



#86
 p-Isopropyltoluene
 Concen: 3.240 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN071375.D
 Acq: 18 Mar 2022 16:18

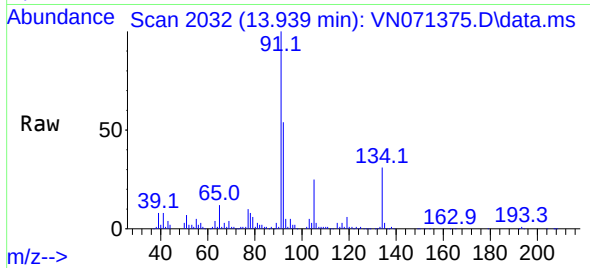
Tgt Ion:119 Resp: 137129
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.6 40.7
 91 23.1 11.4 34.1





#89
n-Butylbenzene
Concen: 4.396 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18

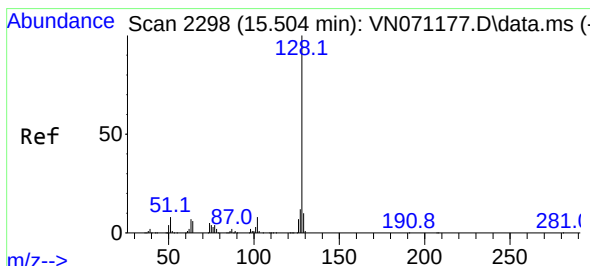
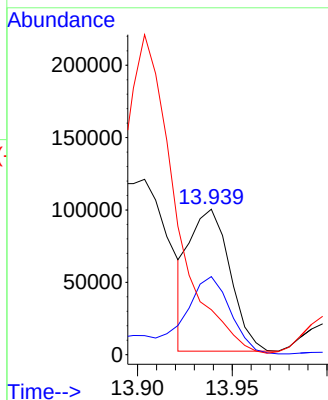
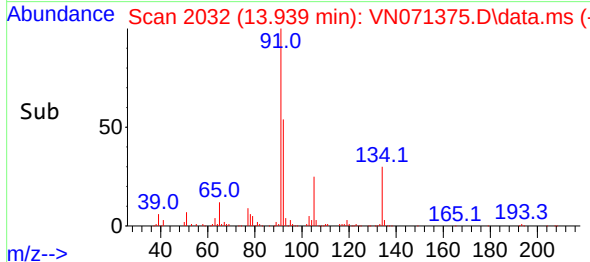
Instrument :
MSVOA_N
ClientSampleId :
31405



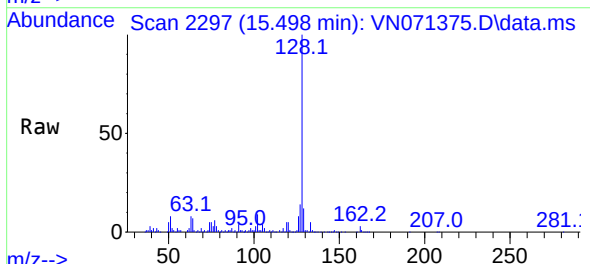
Tgt Ion: 91 Resp: 145519
Ion Ratio Lower Upper
91 100
92 60.3 25.4 76.0
134 0.0 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#95
Naphthalene
Concen: 15.855 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071375.D
Acq: 18 Mar 2022 16:18



Tgt Ion:128 Resp: 332871
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.5 8.7 13.1

