

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070047.D
 Acq On : 13 Dec 2021 22:51
 Operator : JC/MD
 Sample : M5007-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-02

Quant Time: Dec 14 07:29:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Amit Patel 12/15/2021

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	981292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1841594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2126708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	885234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	786843	51.933	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.860%			
35) Dibromofluoromethane	8.024	113	570791	49.482	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.960%			
50) Toluene-d8	10.443	98	2448171	52.855	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.720%			
62) 4-Bromofluorobenzene	12.731	95	1049760	62.560	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 125.120%			
Target Compounds					Qvalue	
16) Acetone	4.291	43	35826	3.931	ug/l	90
17) Carbon Disulfide	4.529	76	8041	0.333	ug/l	96
31) Cyclohexane	8.096	56	339123	16.084	ug/l	87
39) Methylcyclohexane	9.459	83	85343	4.093	ug/l #	74
40) Benzene	8.461	78	87674	1.636	ug/l	98
68) m/p-Xylenes	11.953	106	10186	0.357	ug/l	81
73) Isopropylbenzene	12.578	105	79980	1.015	ug/l	97
78) n-propylbenzene	12.921	91	56379	0.643	ug/l	94
83) tert-Butylbenzene	13.323	119	13558	0.242	ug/l	86
84) 1,2,4-Trimethylbenzene	13.374	105	17117	0.284	ug/l	92
85) sec-Butylbenzene	13.501	105	48429	0.636	ug/l	99
87) 1,3-Dichlorobenzene	13.616	146	10466	0.344	ug/l	91
88) 1,4-Dichlorobenzene	13.696	146	11050m	0.370	ug/l	
89) n-Butylbenzene	13.943	91	24905	0.516	ug/l	96
91) 1,2-Dichlorobenzene	13.991	146	14856	0.502	ug/l	94
93) 1,2,4-Trichlorobenzene	15.265	180	11908	3.651	ug/l #	88
95) Naphthalene	15.507	128	57585	5.210	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.694	180	14689	3.423	ug/l #	83

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

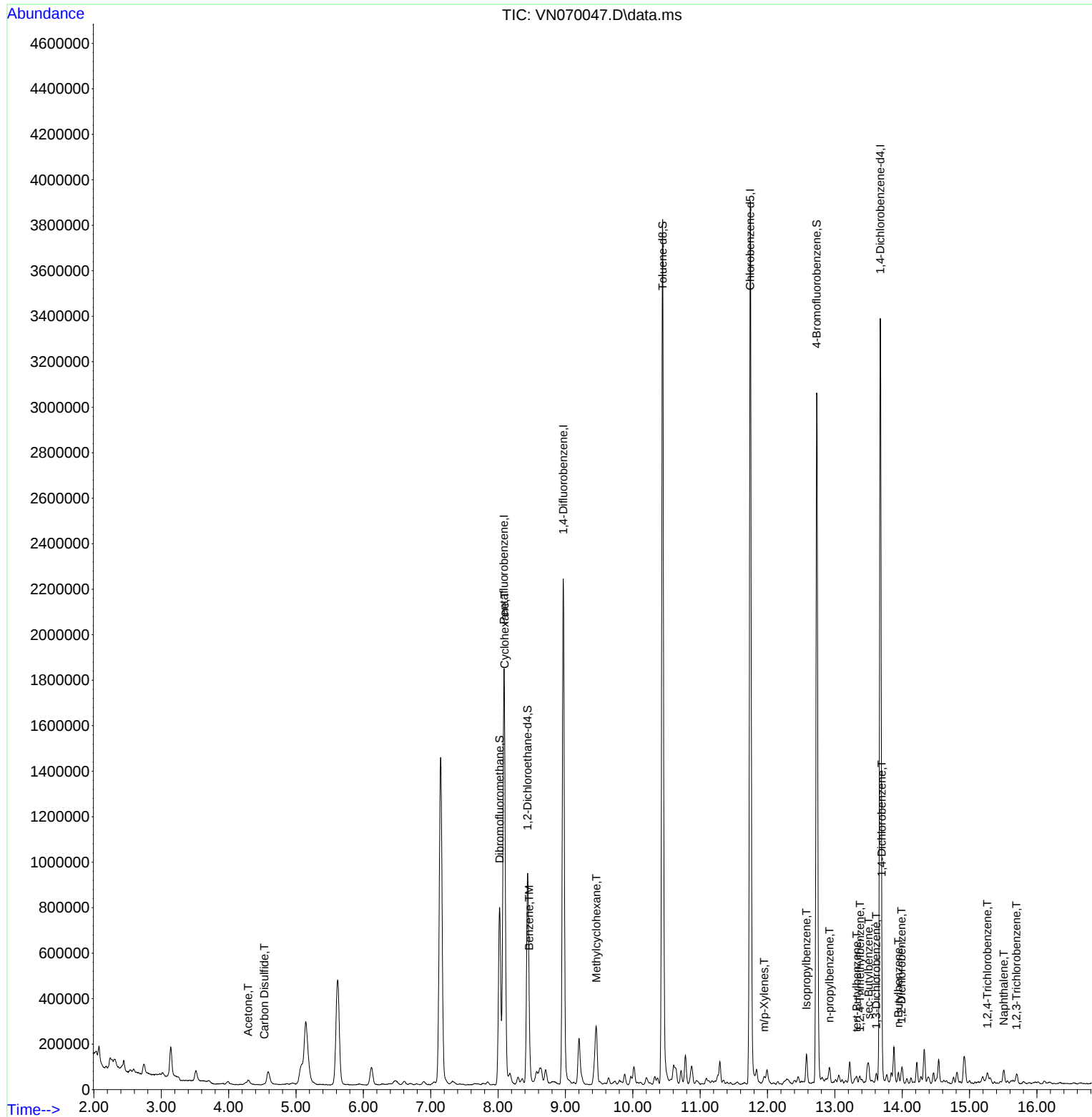
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070047.D
Acq On : 13 Dec 2021 22:51
Operator : JC/MD
Sample : M5007-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

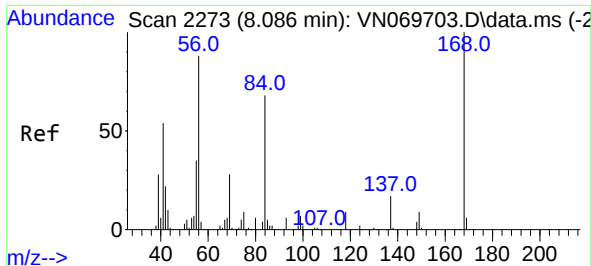
Instrument :
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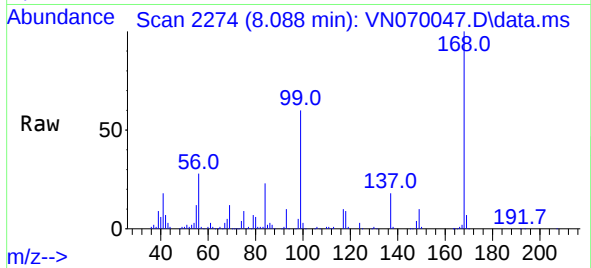
Quant Time: Dec 14 07:29:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

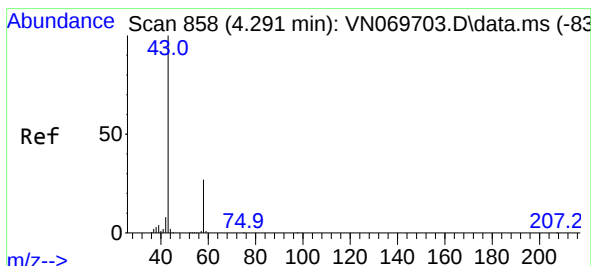
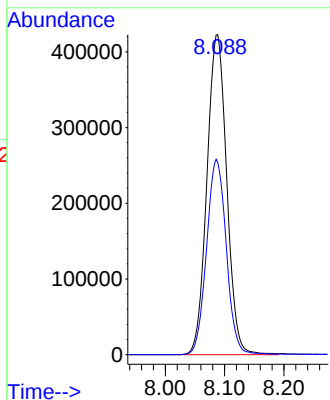
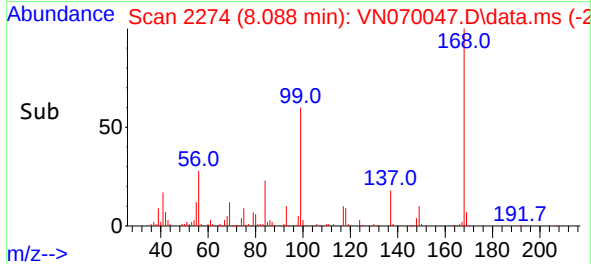
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-02



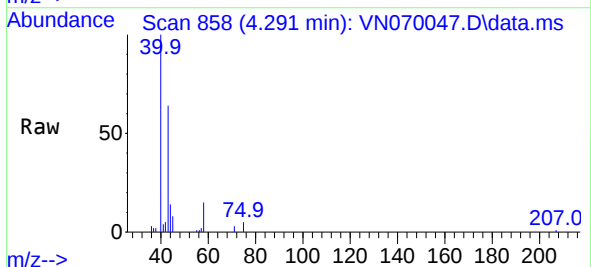
Tgt Ion:168 Resp: 98129
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9

Manual Integrations
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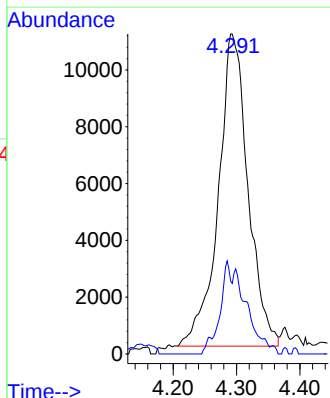
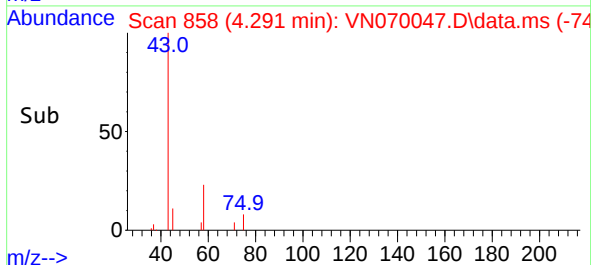
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

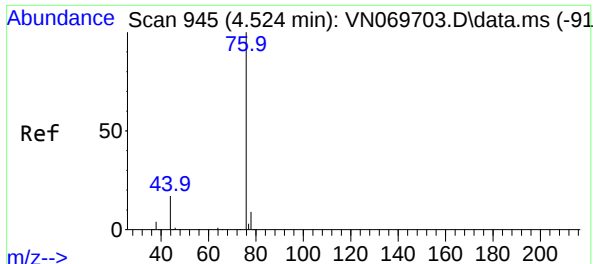


#16
Acetone
Concen: 3.931 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51



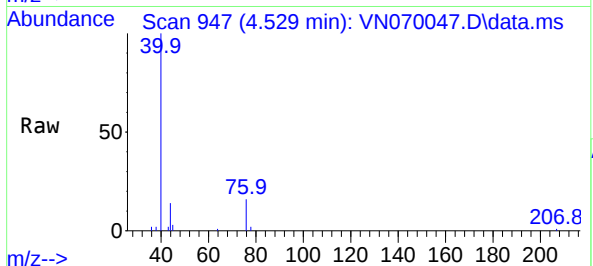
Tgt Ion: 43 Resp: 35826
Ion Ratio Lower Upper
43 100
58 23.4 23.1 34.7





#17
Carbon Disulfide
Concen: 0.333 ug/l
RT: 4.529 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

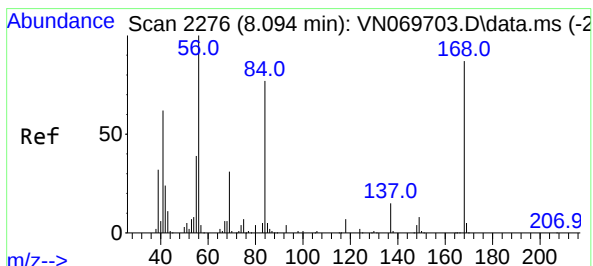
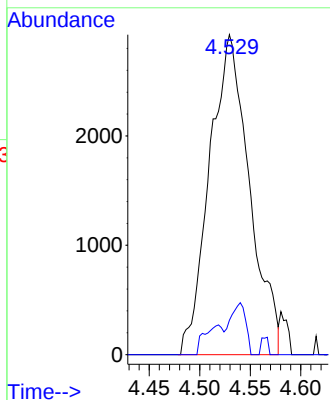
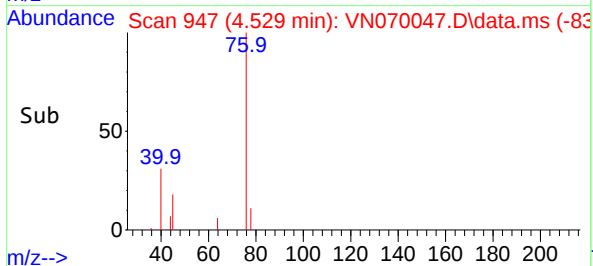
Instrument :
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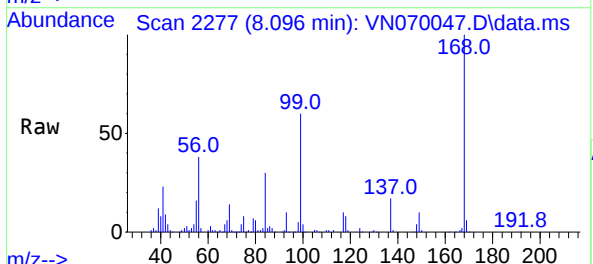
Tgt Ion: 76 Resp: 804
Ion Ratio Lower Upper
76 100
78 10.7 7.5 11.3

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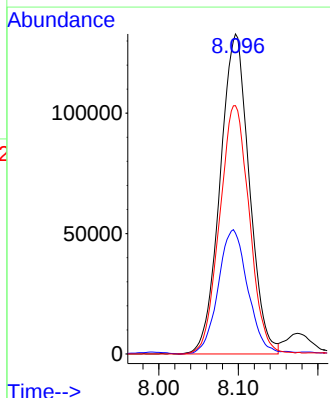
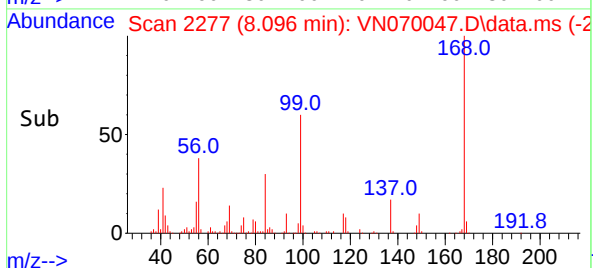
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

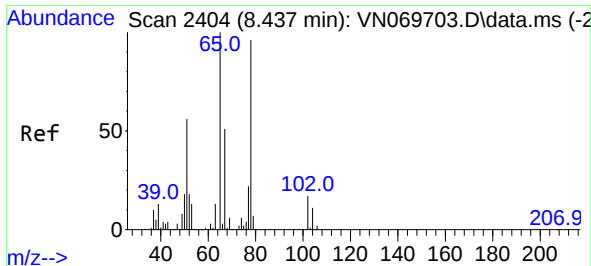


#31
Cyclohexane
Concen: 16.084 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. 0.003 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51



Tgt Ion: 56 Resp: 339123
Ion Ratio Lower Upper
56 100
69 37.8 27.1 40.7
84 77.6 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 51.933 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070047.D

Acq: 13 Dec 2021 22:51

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-02

Tgt Ion: 65 Resp: 78684

Ion Ratio Lower Upper

65 100

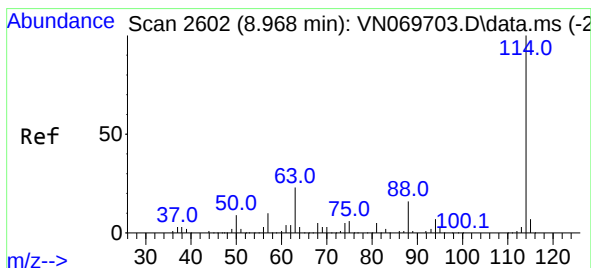
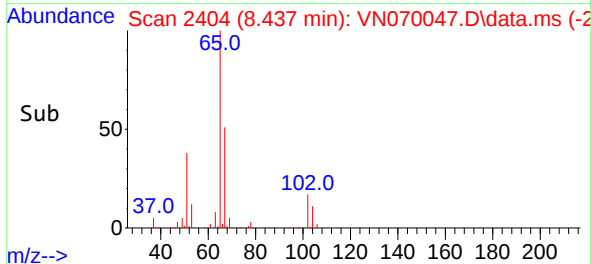
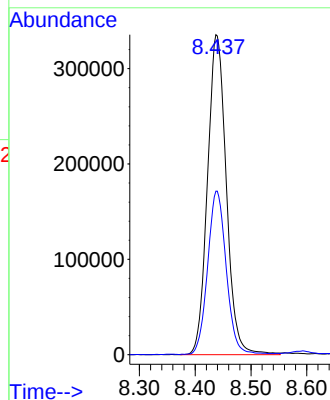
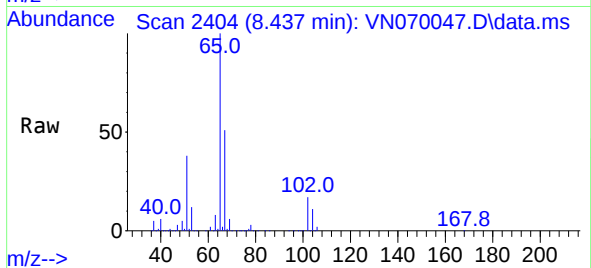
67 50.3 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070047.D

Acq: 13 Dec 2021 22:51

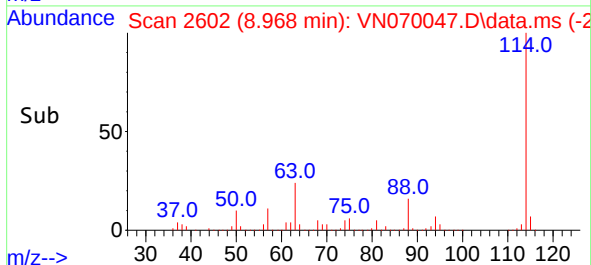
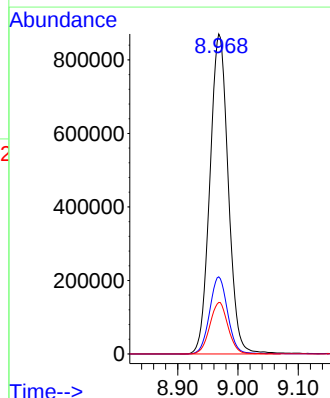
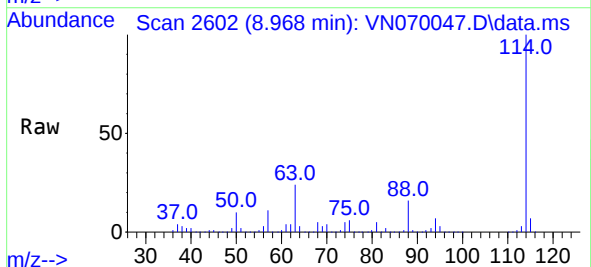
Tgt Ion:114 Resp: 1841594

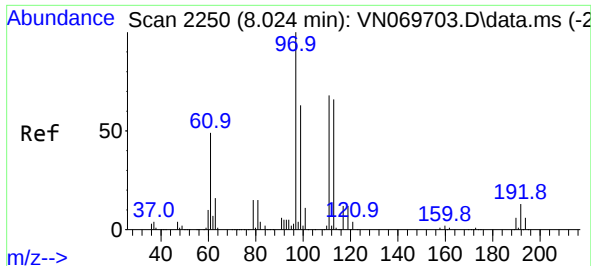
Ion Ratio Lower Upper

114 100

63 24.1 0.0 37.8

88 16.1 0.0 27.4





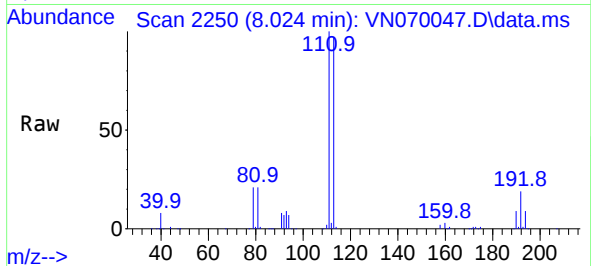
#35
Dibromofluoromethane
Concen: 49.482 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

Instrument :

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TOLL-MW-02

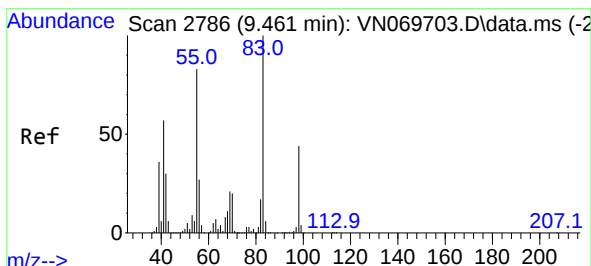
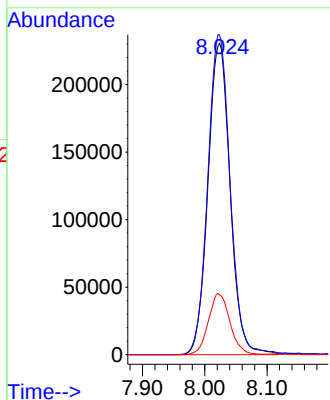
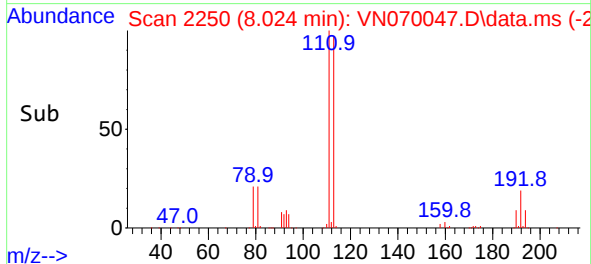


Tgt Ion:113 Resp: 57079
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 19.1 16.9 25.3

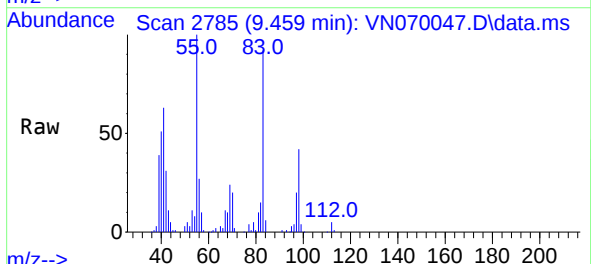
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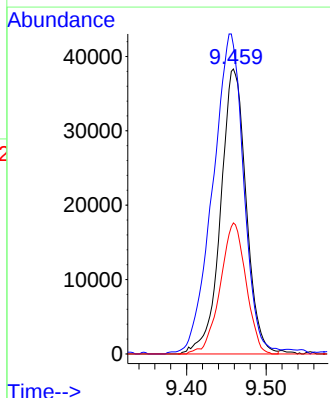
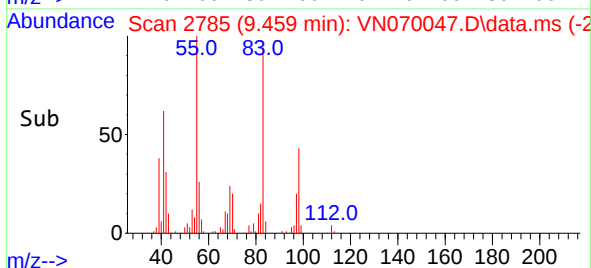
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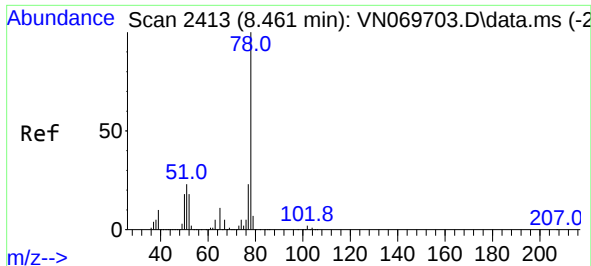


#39
Methylcyclohexane
Concen: 4.093 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51



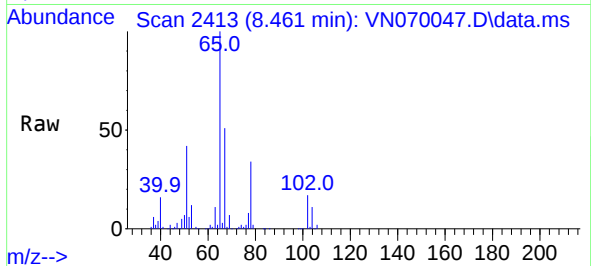
Tgt Ion: 83 Resp: 85343
Ion Ratio Lower Upper
83 100
55 107.3 58.1 87.1#
98 46.0 38.4 57.6





#40
Benzene
Concen: 1.636 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

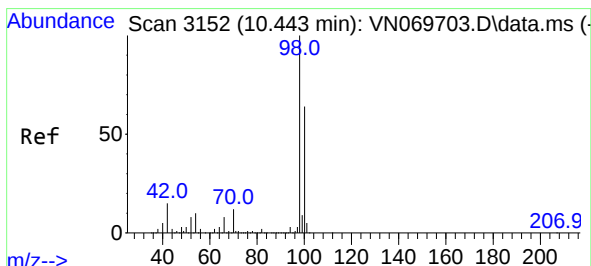
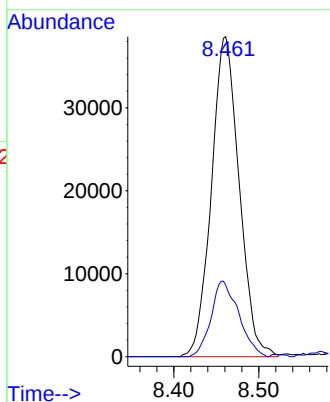
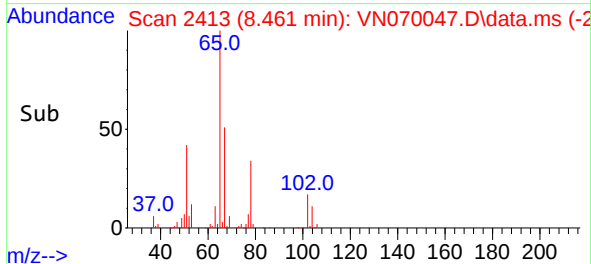
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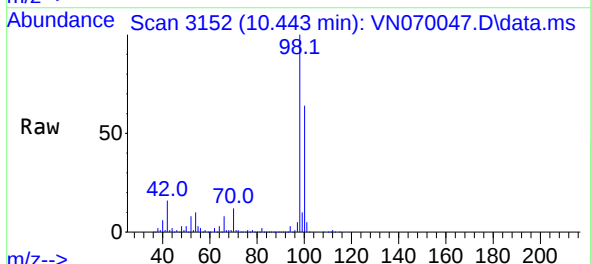
Tgt Ion: 78 Resp: 87674
Ion Ratio Lower Upper
78 100
77 22.3 18.6 27.8

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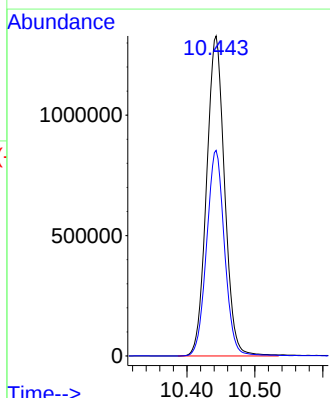
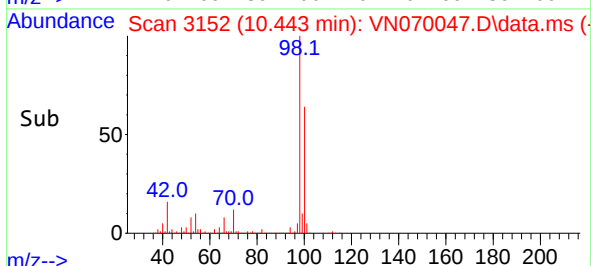
Reviewed By :John Carlone 12/14/2021
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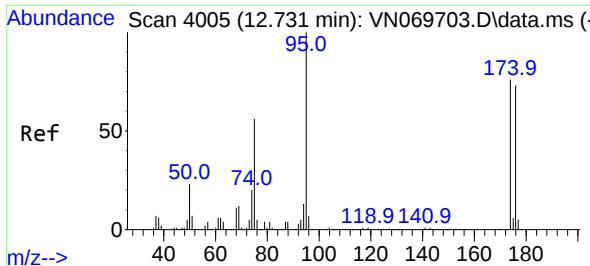


#50
Toluene-d8
Concen: 52.855 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51



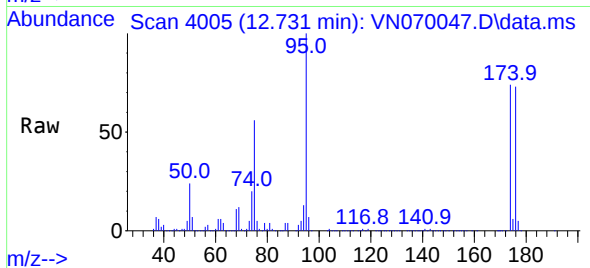
Tgt Ion: 98 Resp: 2448171
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6





#62
4-Bromofluorobenzene
Concen: 62.560 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

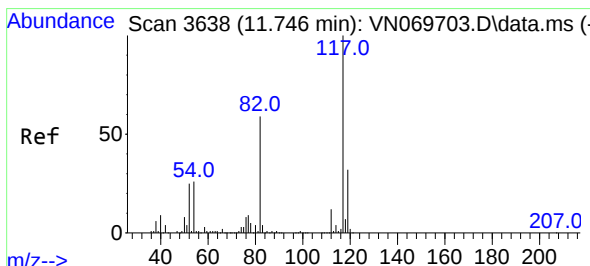
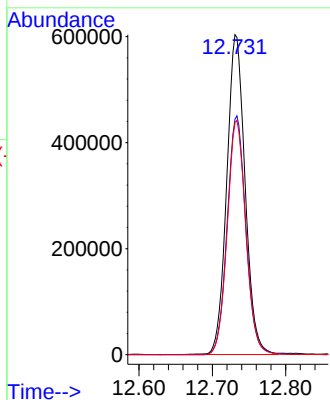
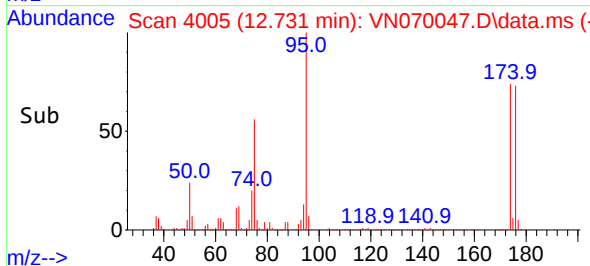
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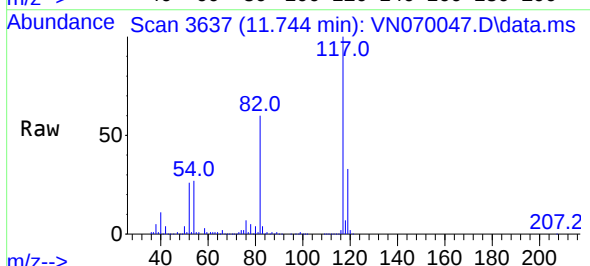
Tgt Ion: 95 Resp: 1049760
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.9 0.0 181.4

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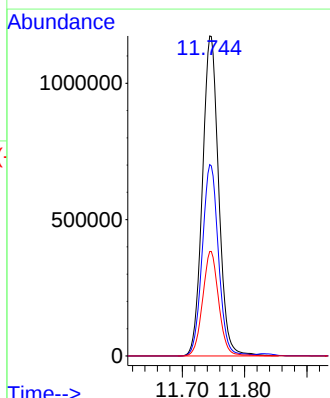
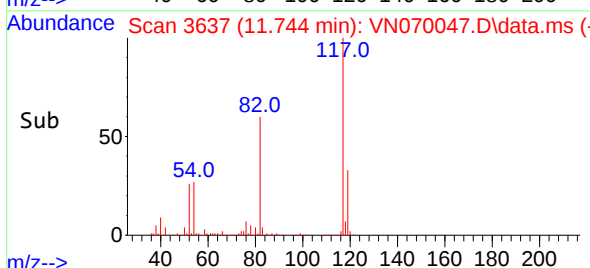
Reviewed By :John Carlone 12/14/2021
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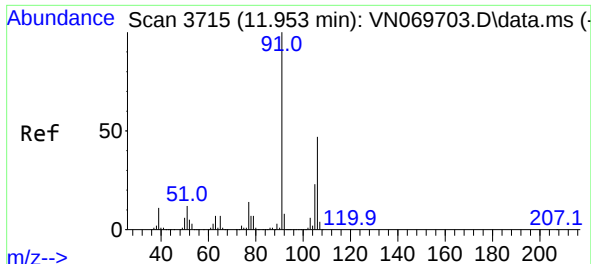


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51



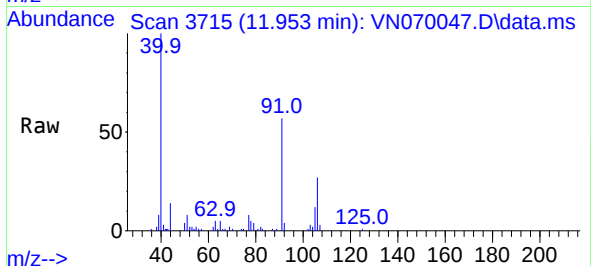
Tgt Ion:117 Resp: 2126708
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 32.6 25.4 38.2





#68
m/p-Xylenes
Concen: 0.357 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

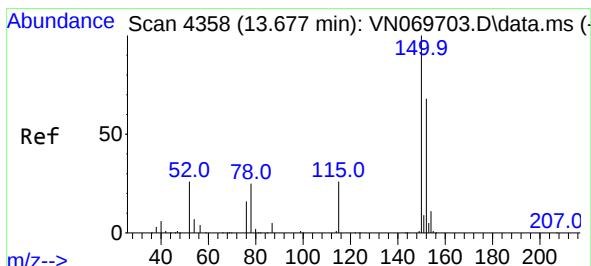
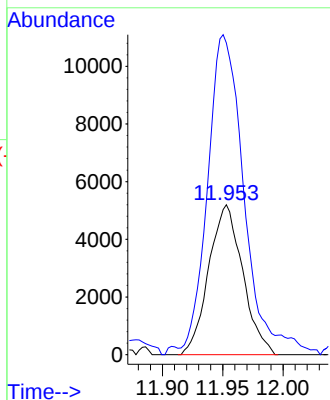
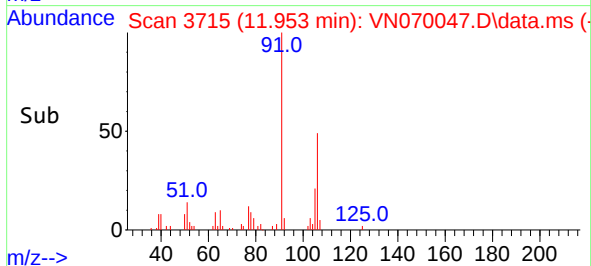
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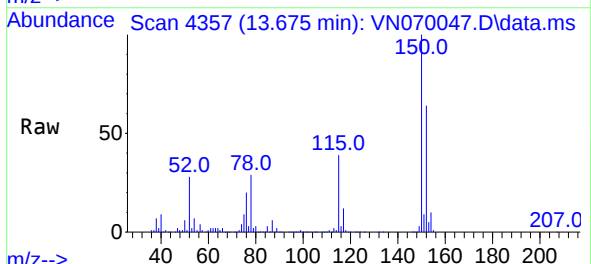
Tgt Ion:106 Resp: 10180
Ion Ratio Lower Upper
106 100
91 230.1 160.6 240.8

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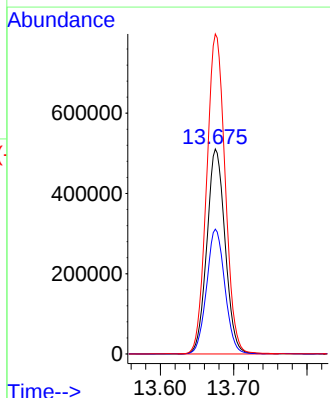
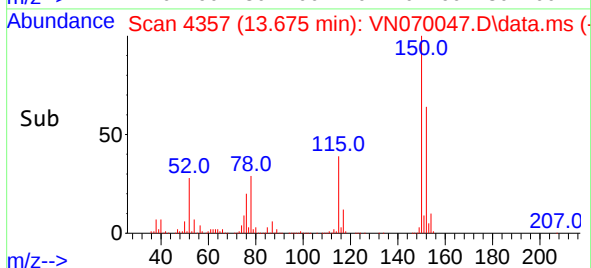
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

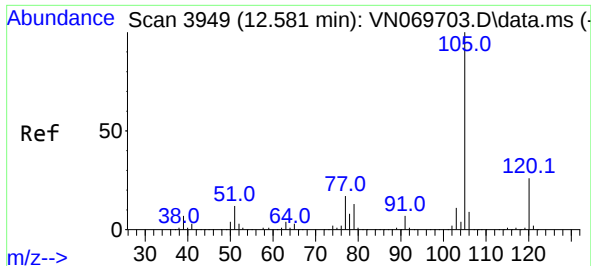


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51



Tgt Ion:152 Resp: 885234
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 158.0 0.0 344.4





#73
Isopropylbenzene
Concen: 1.015 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

Instrument :

MSVOA_N

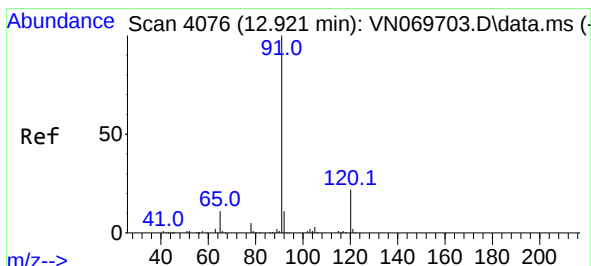
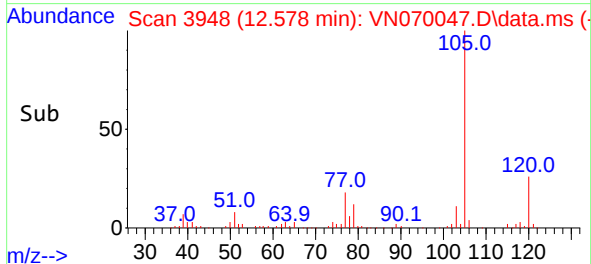
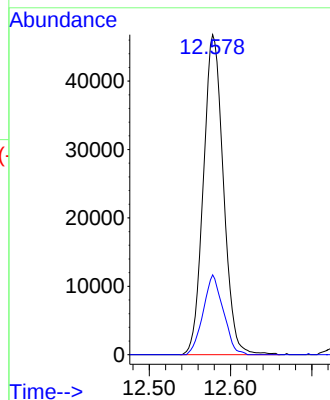
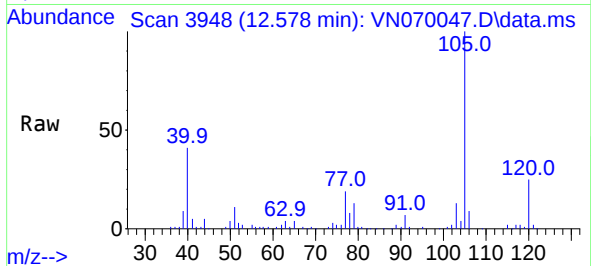
ClientSampleId :

TOLL-MW-02

Tgt Ion:105 Resp: 79980
Ion Ratio Lower Upper
105 100
120 25.0 13.4 40.1

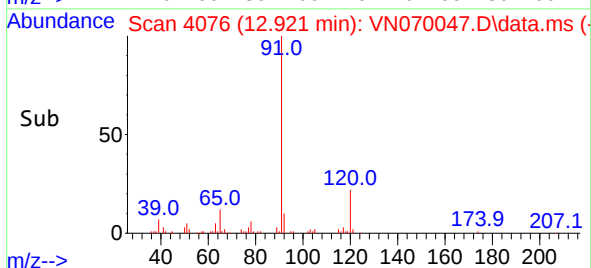
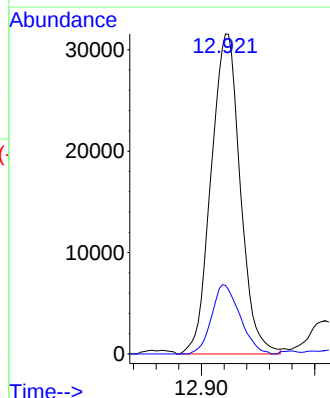
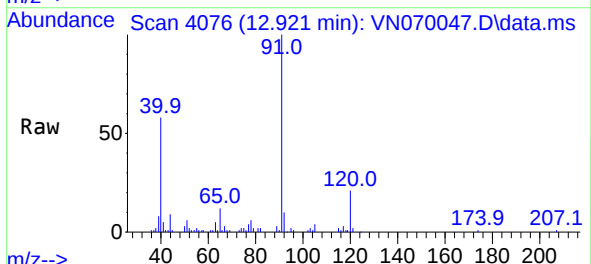
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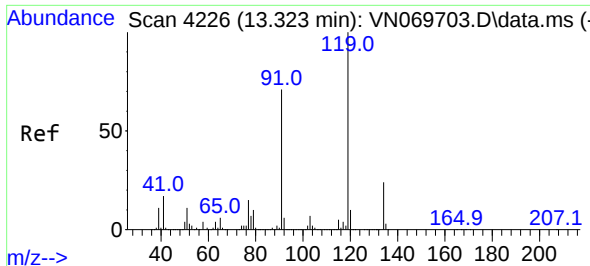
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#78
n-propylbenzene
Concen: 0.643 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

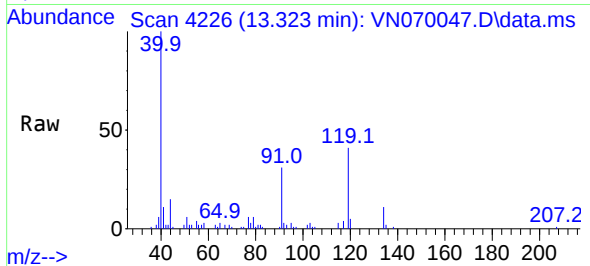
Tgt Ion: 91 Resp: 56379
Ion Ratio Lower Upper
91 100
120 21.0 11.9 35.9





#83
tert-Butylbenzene
Concen: 0.242 ug/l
RT: 13.323 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

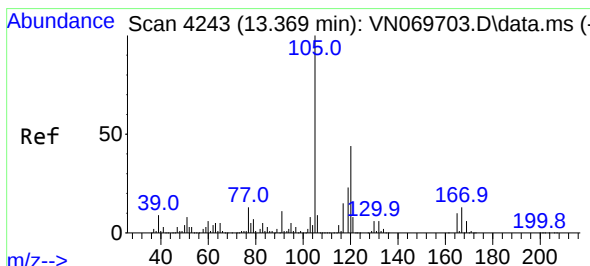
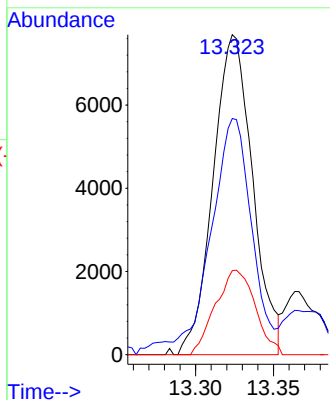
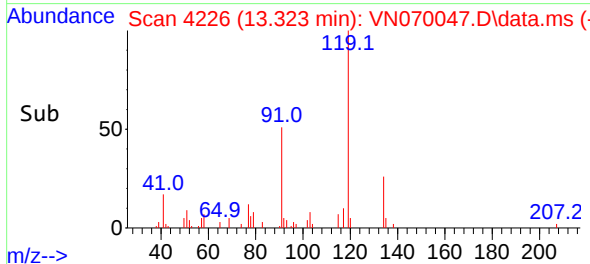
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-02



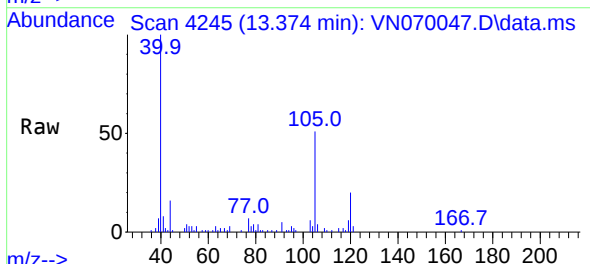
Tgt Ion:119 Resp: 13558
Ion Ratio Lower Upper
119 100
91 77.2 31.5 94.5
134 26.6 12.4 37.4

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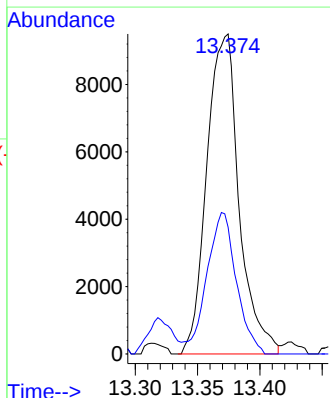
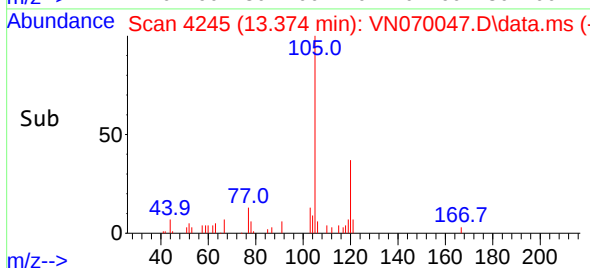
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

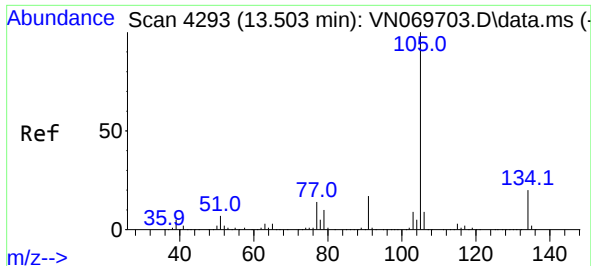


#84
1,2,4-Trimethylbenzene
Concen: 0.284 ug/l
RT: 13.374 min Scan# 4245
Delta R.T. 0.005 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51



Tgt Ion:105 Resp: 17117
Ion Ratio Lower Upper
105 100
120 40.2 22.8 68.4





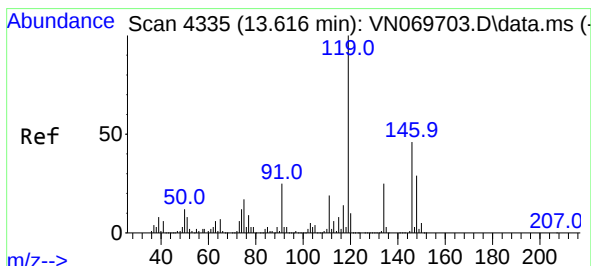
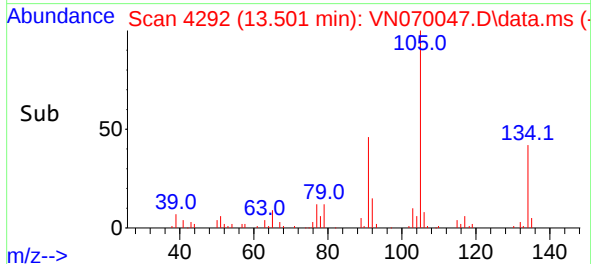
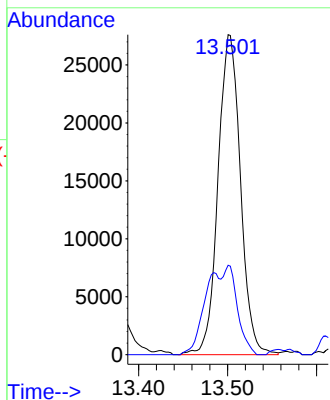
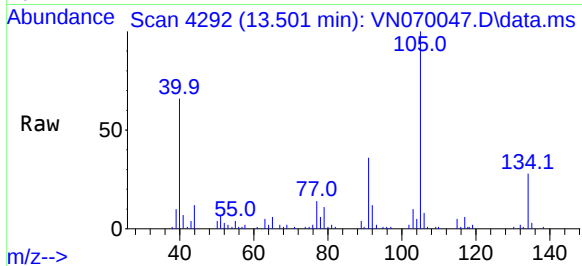
#85
 sec-Butylbenzene
 Concen: 0.636 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.003 min
 Lab File: VN070047.D
 Acq: 13 Dec 2021 22:51

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-02

Tgt Ion:105 Resp: 48429
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1

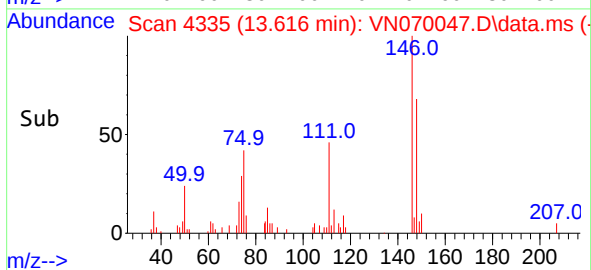
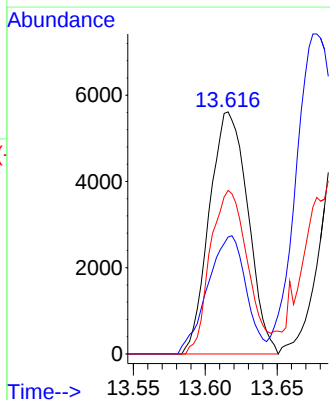
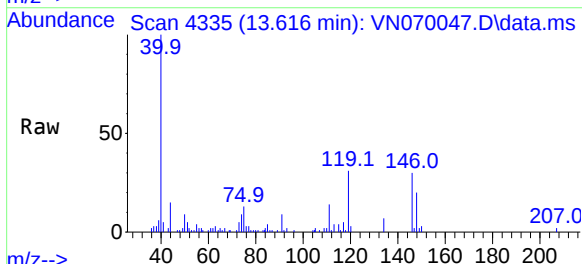
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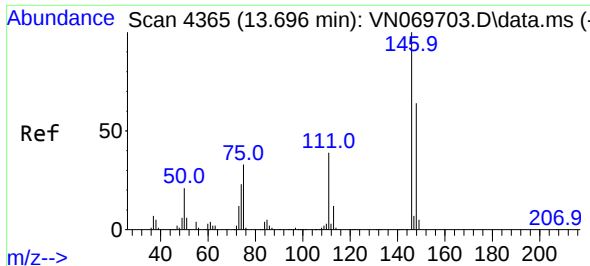
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021



#87
 1,3-Dichlorobenzene
 Concen: 0.344 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070047.D
 Acq: 13 Dec 2021 22:51

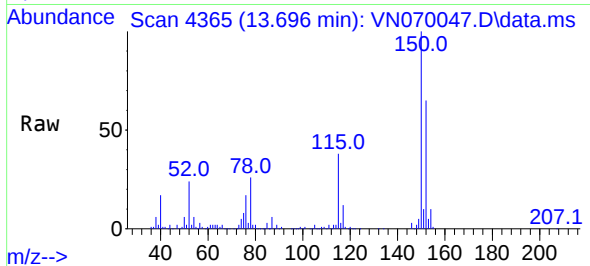
Tgt Ion:146 Resp: 10466
 Ion Ratio Lower Upper
 146 100
 111 48.8 18.6 55.6
 148 65.6 31.6 95.0





#88
1,4-Dichlorobenzene
Concen: 0.370 ug/l m
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

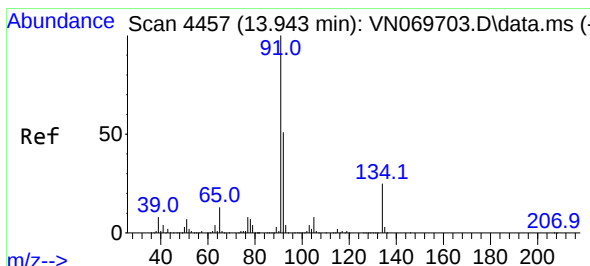
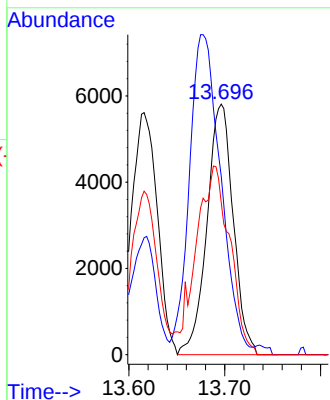
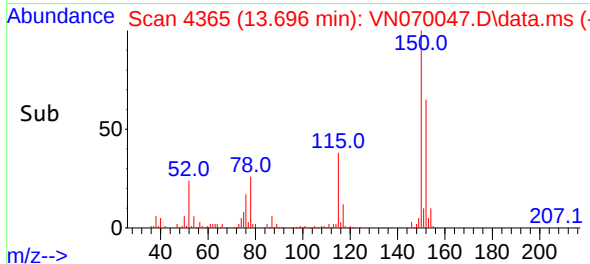
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-02



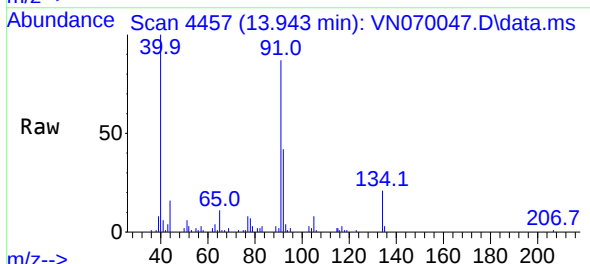
Tgt Ion:146 Resp: 11050
Ion Ratio Lower Upper
146 100
111 46.2 18.3 54.8
148 62.1 31.8 95.4

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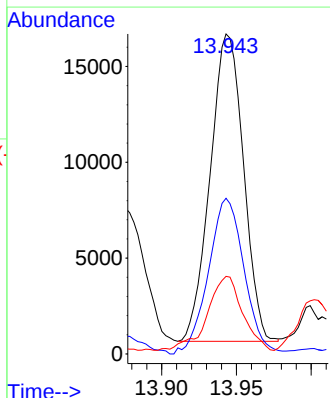
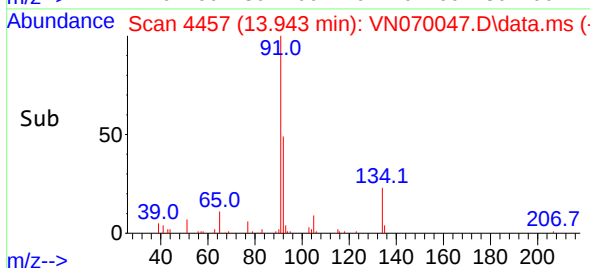
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

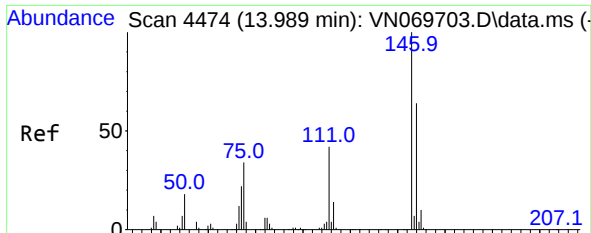


#89
n-Butylbenzene
Concen: 0.516 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51



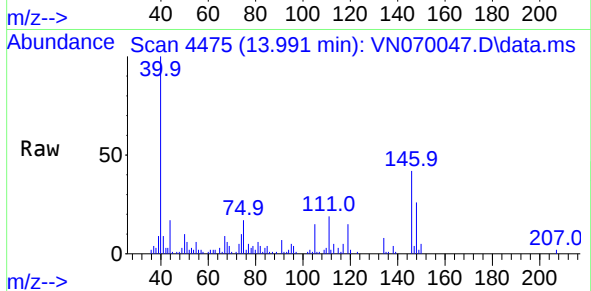
Tgt Ion: 91 Resp: 24905
Ion Ratio Lower Upper
91 100
92 54.1 25.4 76.0
134 25.3 13.6 40.8





#91
1,2-Dichlorobenzene
Concen: 0.502 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

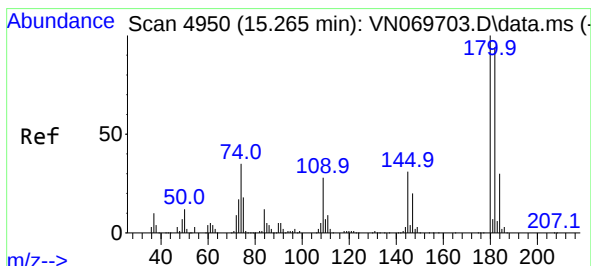
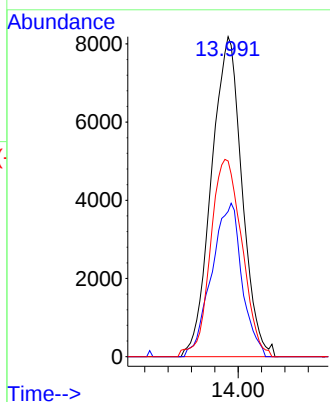
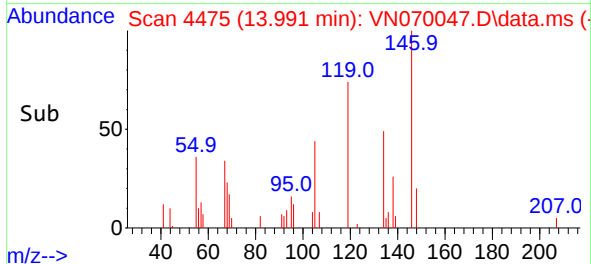
Instrument :
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TOLL-MW-02



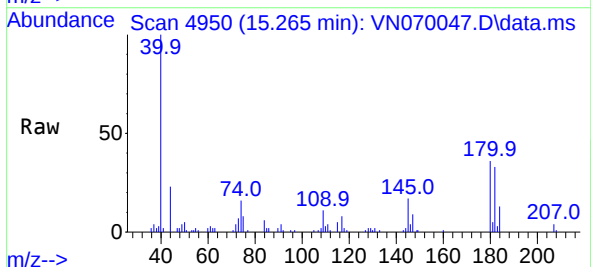
Tgt Ion:146 Resp: 14850
Ion Ratio Lower Upper
146 100
111 47.5 19.1 57.3
148 63.6 32.1 96.3

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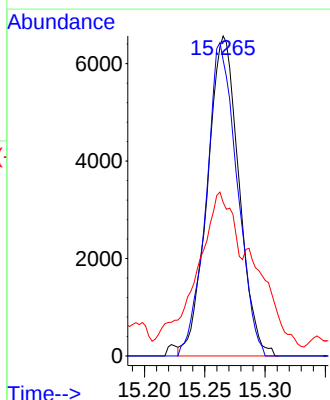
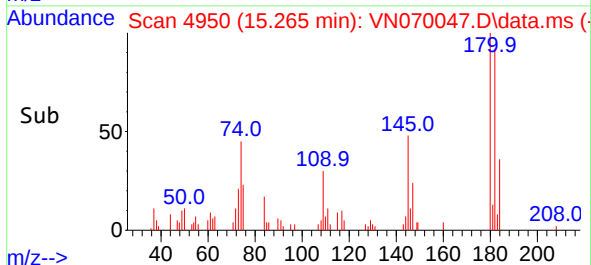
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

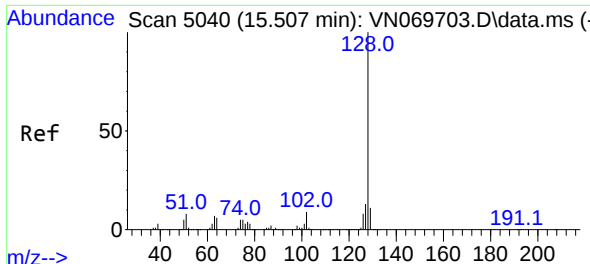


#93
1,2,4-Trichlorobenzene
Concen: 3.651 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51



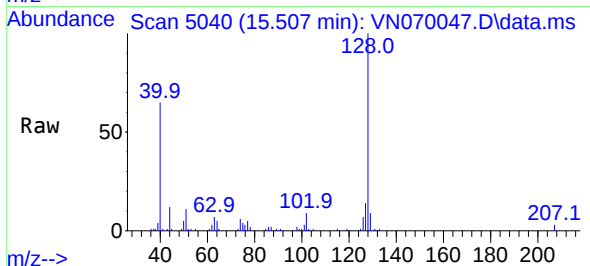
Tgt Ion:180 Resp: 11908
Ion Ratio Lower Upper
180 100
182 96.1 48.3 144.9
145 56.2 14.5 43.5#





#95
Naphthalene
Concen: 5.210 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51

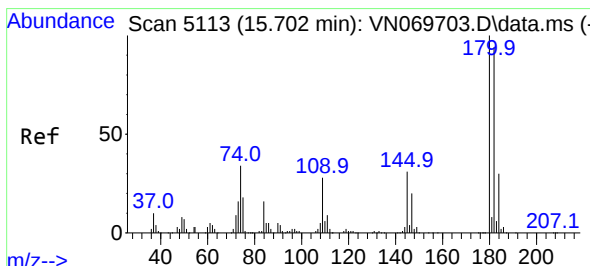
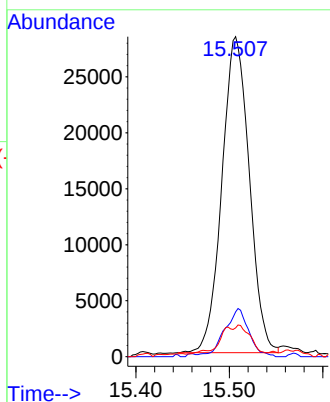
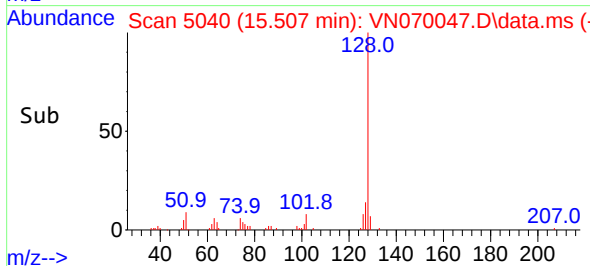
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-02



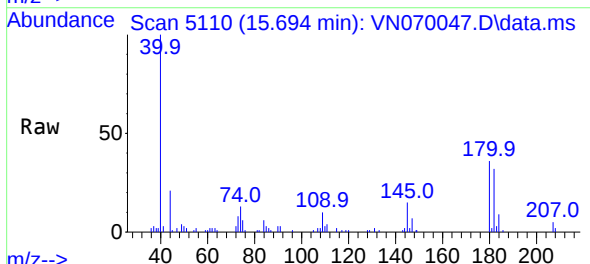
Tgt Ion:128 Resp: 5758
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 3.3 8.7 13.1

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Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#96
1,2,3-Trichlorobenzene
Concen: 3.423 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.008 min
Lab File: VN070047.D
Acq: 13 Dec 2021 22:51



Tgt Ion:180 Resp: 14689
Ion Ratio Lower Upper
180 100
182 99.8 47.4 142.2
145 58.9 15.0 45.1

