

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
 Data File : VN069447.D
 Acq On : 10 Nov 2021 18:19
 Operator : JC/MD
 Sample : M4576-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

Quant Time: Nov 11 03:14:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/11/2021
 Supervised By :Semsettin Yesilyurt 11/16/2021

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

Internal Standards						
1) Bromochloromethane	7.662	128	158694	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	909531	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	779736	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	443628	32.233	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.433%			
60) 4-Bromofluorobenzene	12.733	95	302413	24.236	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 80.800%			
63) Toluene-d8	10.443	98	1127448	31.316	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.400%			
Target Compounds						
					Qvalue	
32) 1,1,1-Trichloroethane	8.016	97	8131m	0.502	ug/l	
58) 4-Methyl-2-Pentanone	10.333	43	10192	0.595	ug/l	98
59) 2-Hexanone	11.092	43	23393	1.797	ug/l #	90
67) m/p-Xylenes	11.958	106	4516	0.256	ug/l	93
80) 1,2,4-Trimethylbenzene	13.369	105	7699	0.208	ug/l #	94
82) p-Isopropyltoluene	13.618	119	8226	0.221	ug/l	87
83) 1,3-Dichlorobenzene	13.624	146	6216	0.342	ug/l	93
84) 1,4-Dichlorobenzene	13.696	146	7848	0.445	ug/l	92
85) n-Butylbenzene	13.946	91	14618	0.471	ug/l	96
87) 1,2-Dichlorobenzene	13.983	146	7017m	0.400	ug/l	
89) 1,2,4-Trichlorobenzene	15.268	180	10810m	1.285	ug/l	
90) Hexachlorobutadiene	15.370	225	1681	0.370	ug/l	76
91) Naphthalene	15.507	128	52169	2.153	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.702	180	13456	1.627	ug/l	98

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

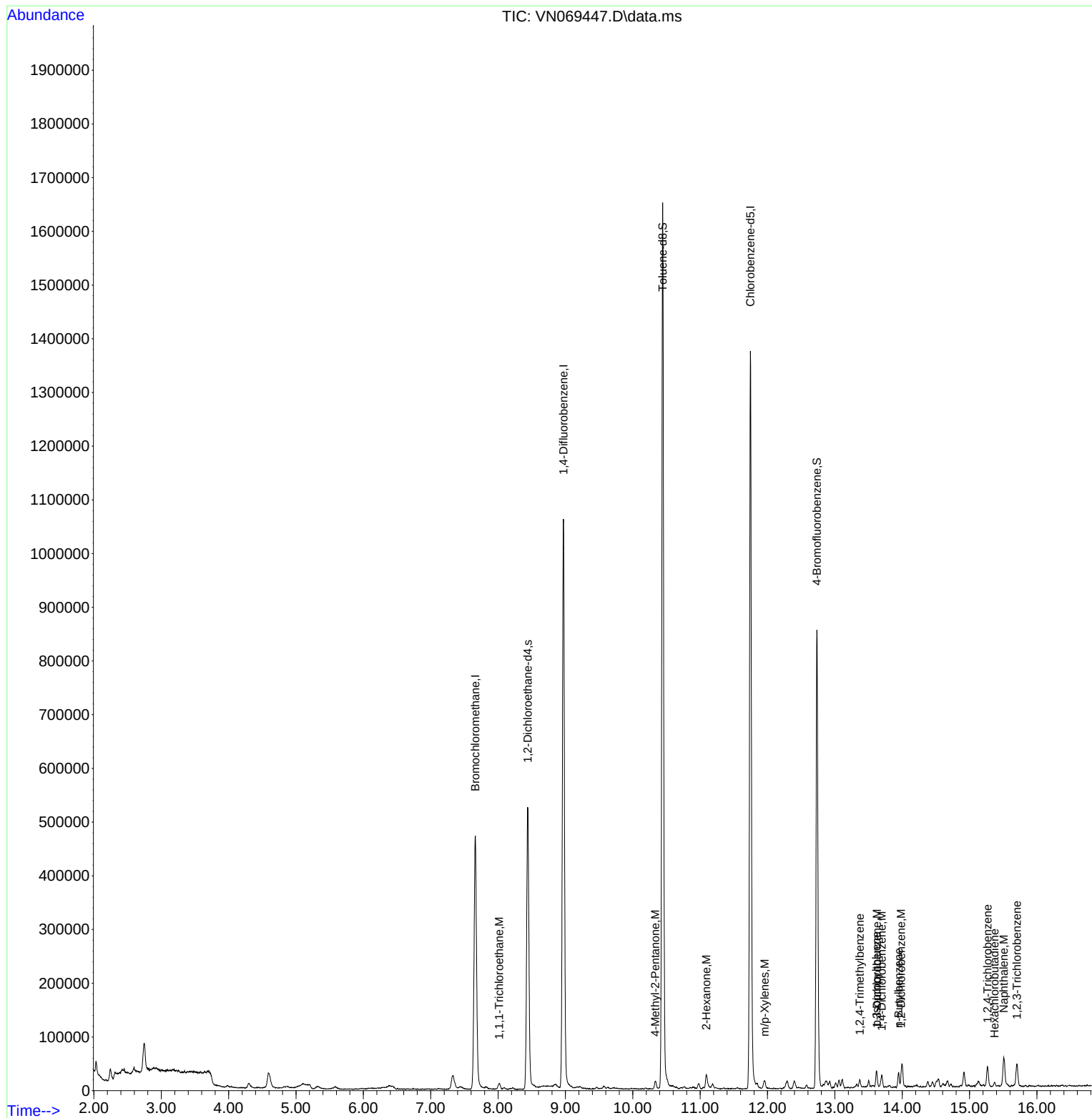
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
Data File : VN069447.D
Acq On : 10 Nov 2021 18:19
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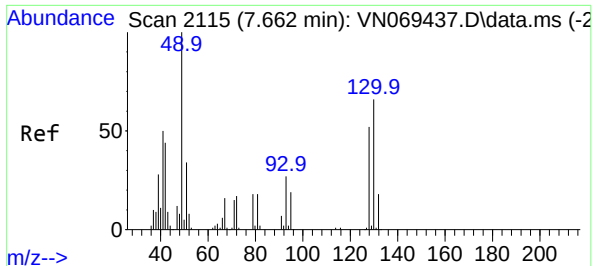
Instrument :
MSVOA_N
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Quant Time: Nov 11 03:14:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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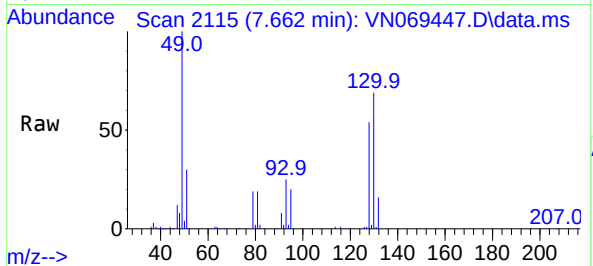
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

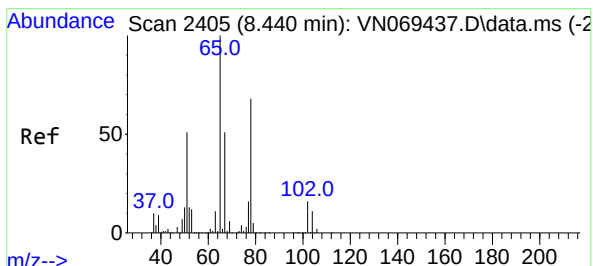
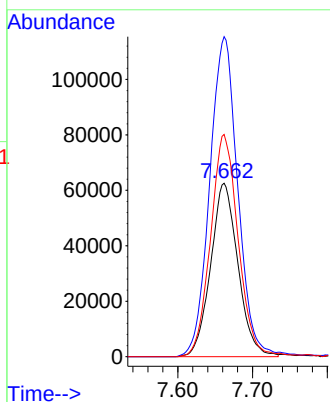
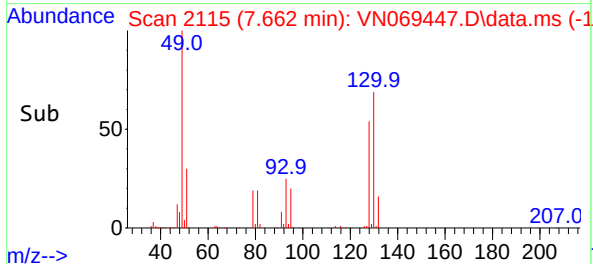
Instrument :
MSVOA_N
ClientSampleId :
TW-1



Tgt Ion:128 Resp: 158694
Ion Ratio Lower Upper
128 100
49 188.8 0.0 392.3
130 129.1 0.0 320.2

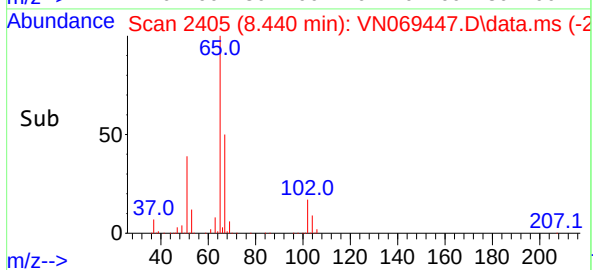
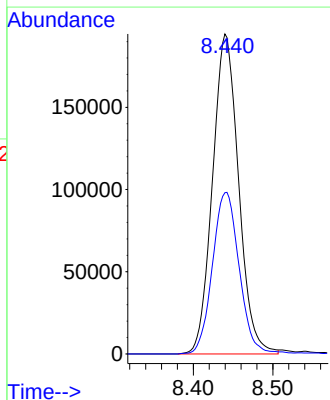
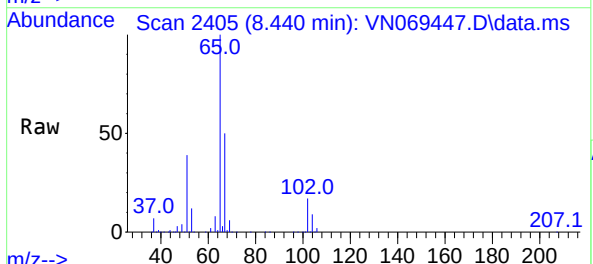
Manual Integrations
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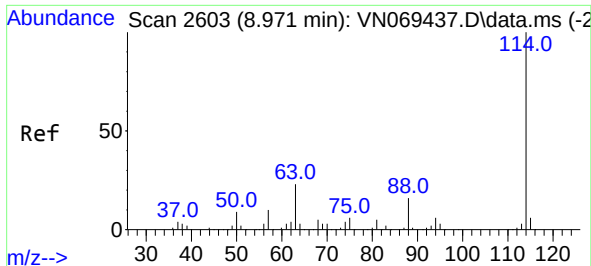
Reviewed By :John Carlone 11/11/2021
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#27
1,2-Dichloroethane-d4
Concen: 32.233 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

Tgt Ion: 65 Resp: 443628
Ion Ratio Lower Upper
65 100
67 51.6 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.000 min

Lab File: VN069447.D

Acq: 10 Nov 2021 18:19

Instrument :

MSVOA_N

ClientSampleId :

TW-1

Tgt Ion:114 Resp: 90953

Ion Ratio Lower Upper

114 100

63 22.6 15.8 23.6

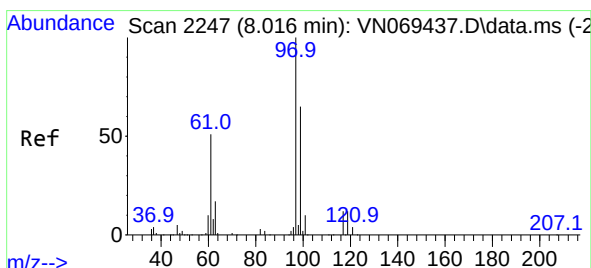
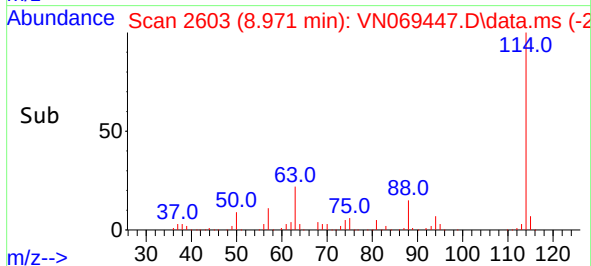
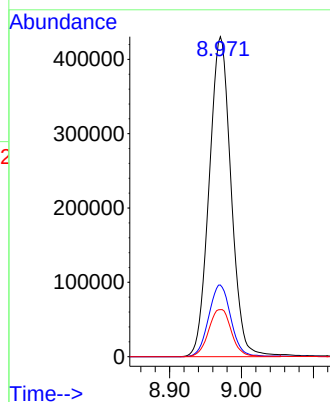
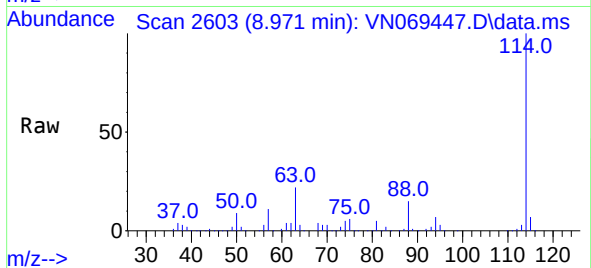
88 15.3 11.6 17.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 0.502 ug/l m

RT: 8.016 min Scan# 2247

Delta R.T. 0.000 min

Lab File: VN069447.D

Acq: 10 Nov 2021 18:19

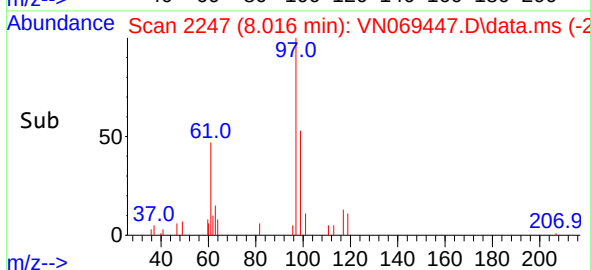
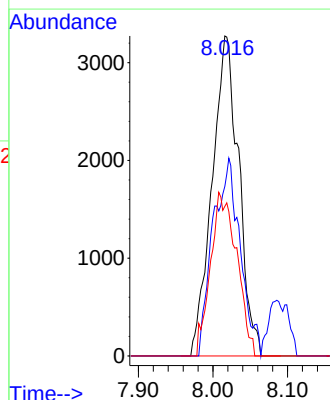
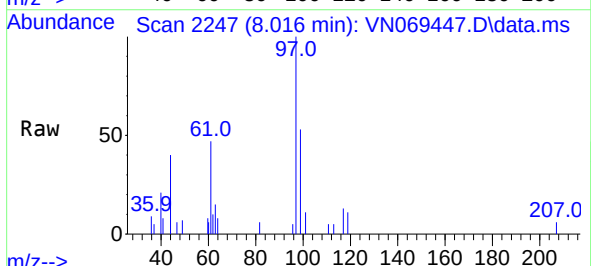
Tgt Ion: 97 Resp: 8131

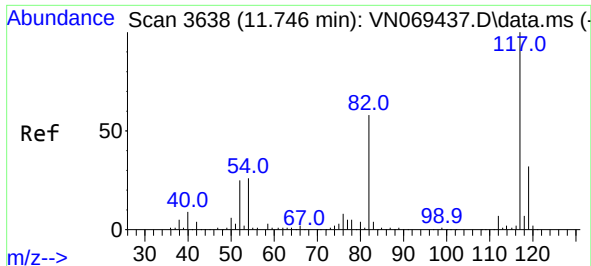
Ion Ratio Lower Upper

97 100

99 20.0 50.4 75.6#

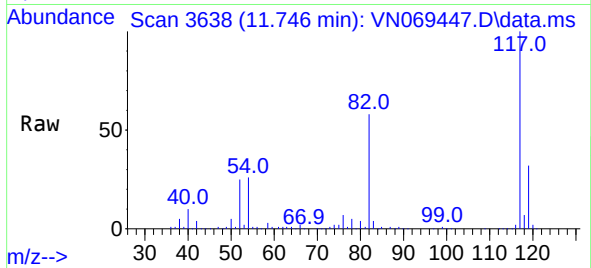
61 17.9 34.6 51.8#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

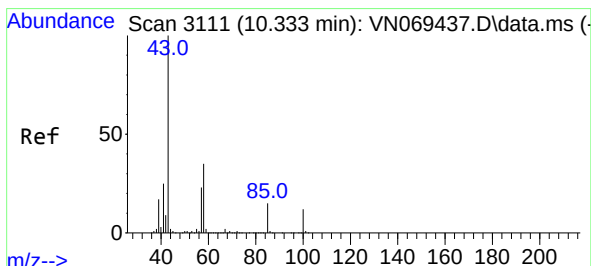
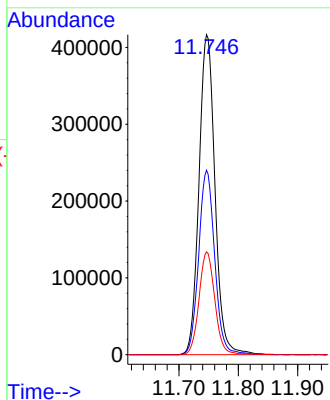
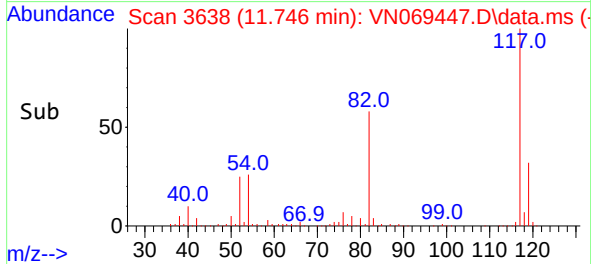
Instrument :
MSVOA_N
ClientSampleId :
TW-1



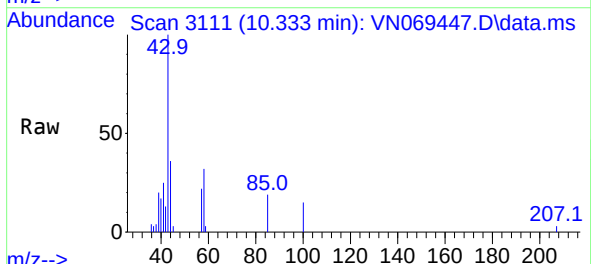
Tgt Ion: 117 Resp: 779730
Ion Ratio Lower Upper
117 100
82 57.8 43.6 65.4
119 31.6 25.8 38.6

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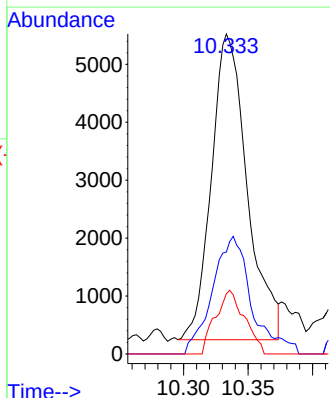
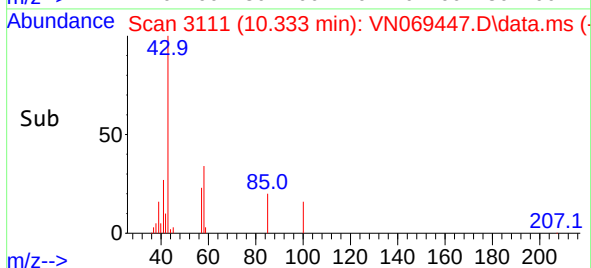
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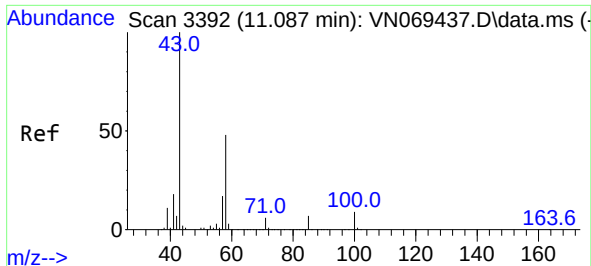


#58
4-Methyl-2-Pentanone
Concen: 0.595 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19



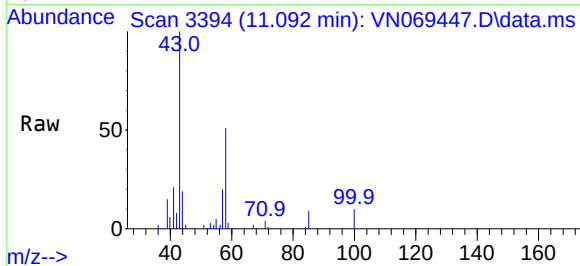
Tgt Ion: 43 Resp: 10192
Ion Ratio Lower Upper
43 100
58 37.6 30.0 45.0
85 16.9 15.0 22.6





#59
2-Hexanone
Concen: 1.797 ug/l
RT: 11.092 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

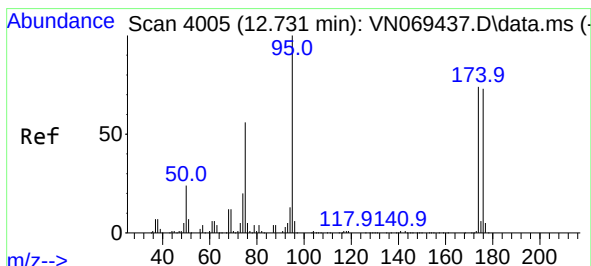
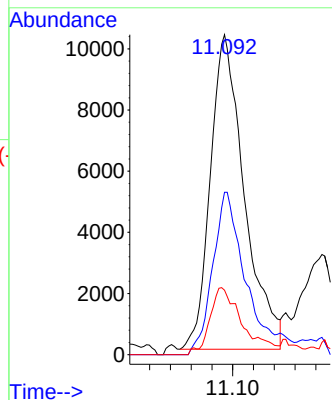
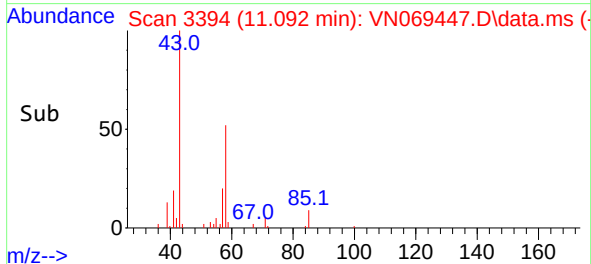
Instrument :
MSVOA_N
ClientSampleId :
TW-1



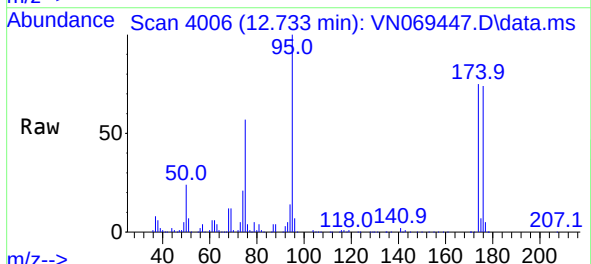
Tgt Ion: 43 Resp: 2339
Ion Ratio Lower Upper
43 100
58 48.3 42.2 63.2
57 10.0 15.0 22.4

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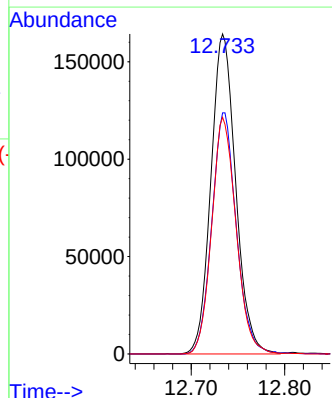
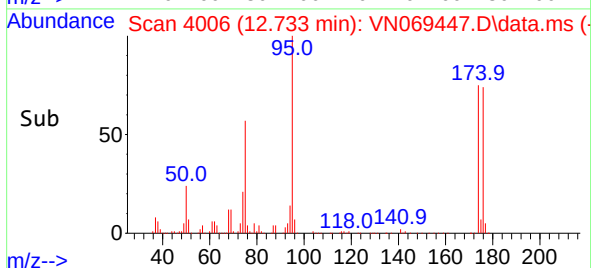
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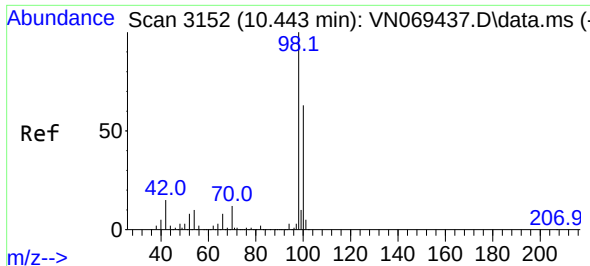


#60
4-Bromofluorobenzene
Concen: 24.236 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19



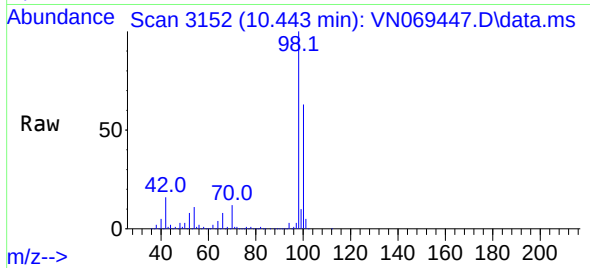
Tgt Ion: 95 Resp: 302413
Ion Ratio Lower Upper
95 100
174 74.5 62.9 94.3
176 72.9 61.0 91.4





#63
Toluene-d8
Concen: 31.316 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

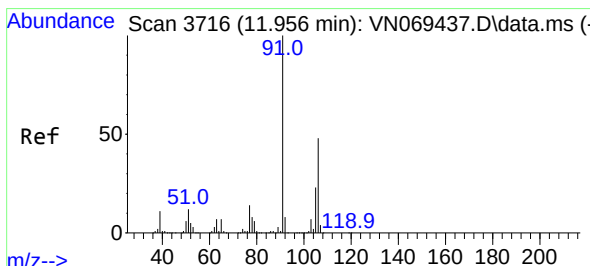
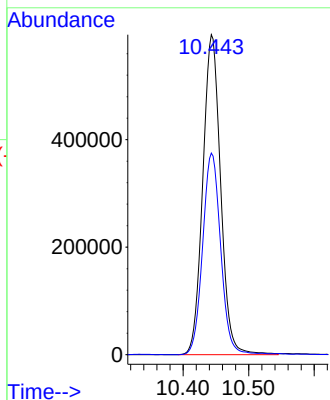
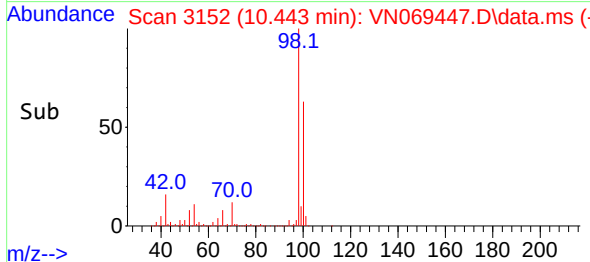
Instrument :
MSVOA_N
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TW-1



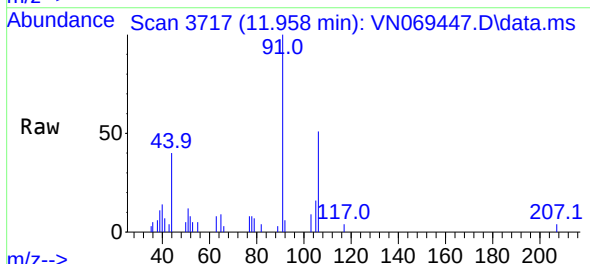
Tgt Ion: 98 Resp: 1127448
Ion Ratio Lower Upper
98 100
100 63.3 50.6 76.0

Manual Integrations
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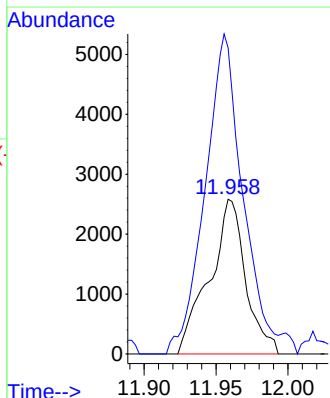
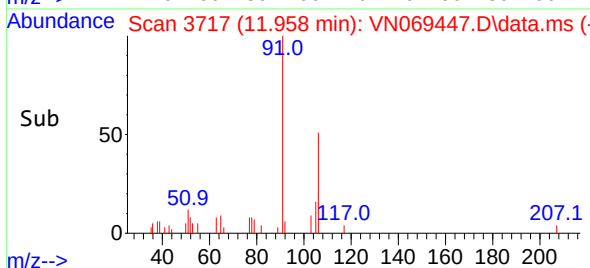
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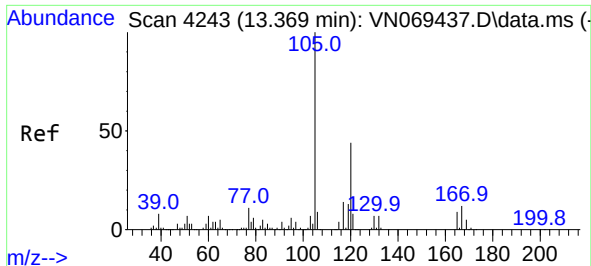


#67
m/p-Xylenes
Concen: 0.256 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.003 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19



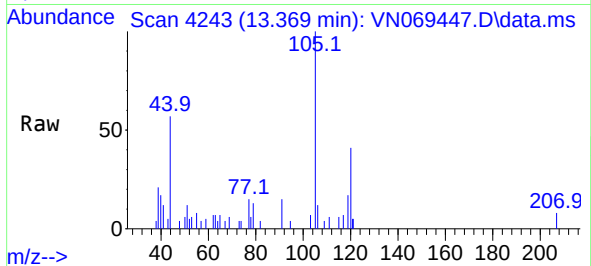
Tgt Ion:106 Resp: 4516
Ion Ratio Lower Upper
106 100
91 214.0 162.9 244.3





#80
1,2,4-Trimethylbenzene
Concen: 0.208 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

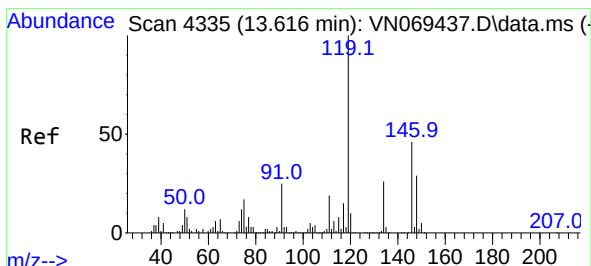
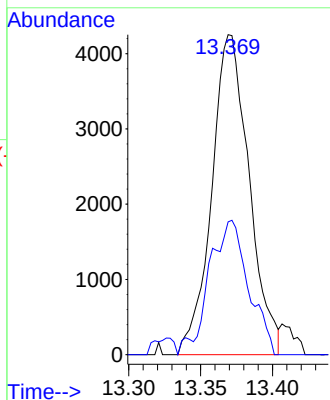
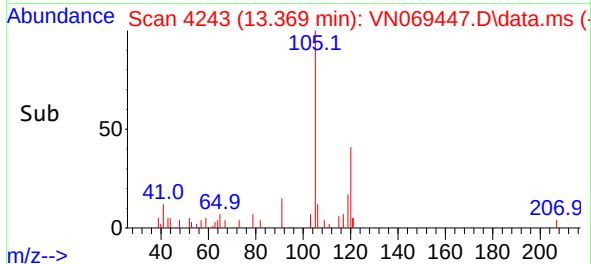
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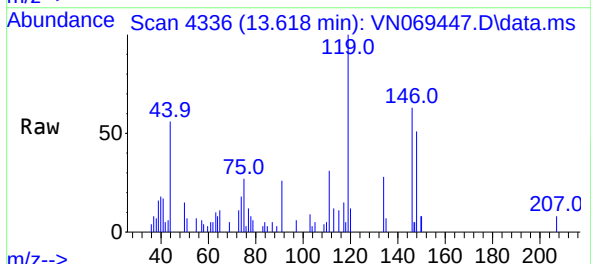
Tgt Ion:105 Resp: 7699
Ion Ratio Lower Upper
105 100
120 14.2 0.0 0.2

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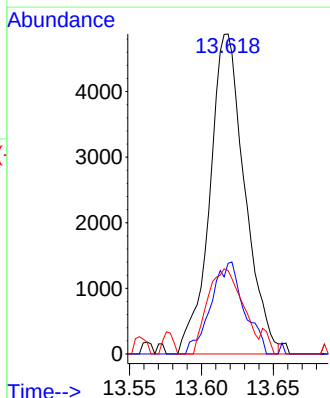
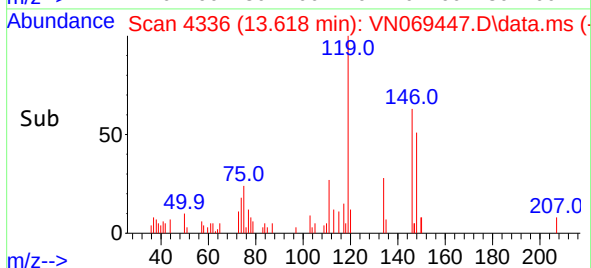
Reviewed By :John Carlone 11/11/2021
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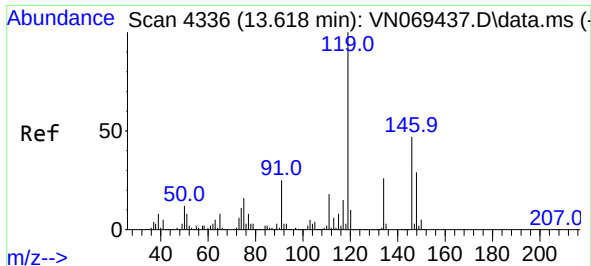


#82
p-Isopropyltoluene
Concen: 0.221 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19



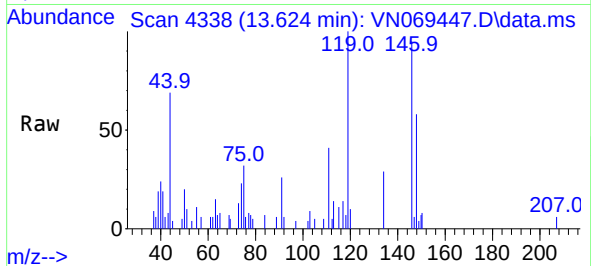
Tgt Ion:119 Resp: 8226
Ion Ratio Lower Upper
119 100
134 14.8 0.0 51.8
91 26.8 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 0.342 ug/l
RT: 13.624 min Scan# 4338
Delta R.T. 0.005 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

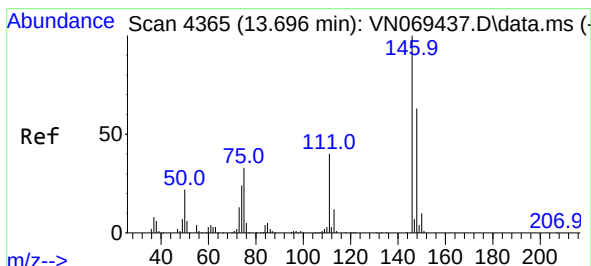
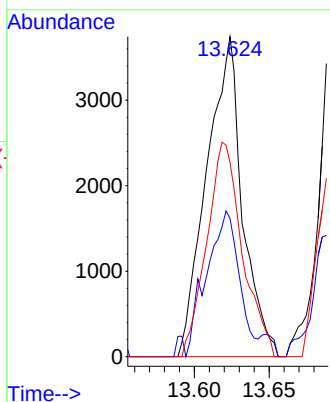
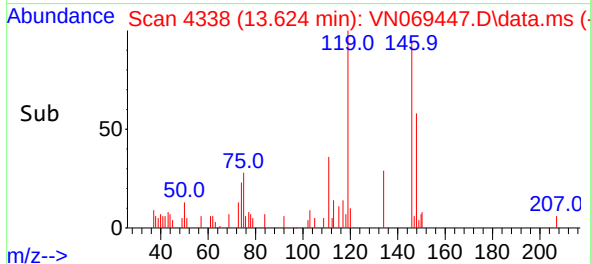
Instrument :
MSVOA_N
ClientSampleId :
TW-1



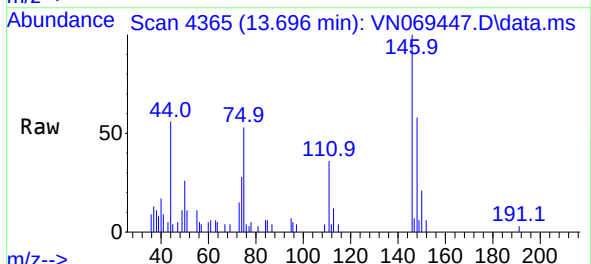
Tgt Ion:146 Resp: 6210
Ion Ratio Lower Upper
146 100
111 35.9 20.8 62.2
148 66.7 31.4 94.3

Manual Integrations
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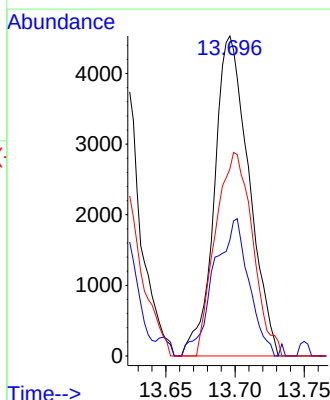
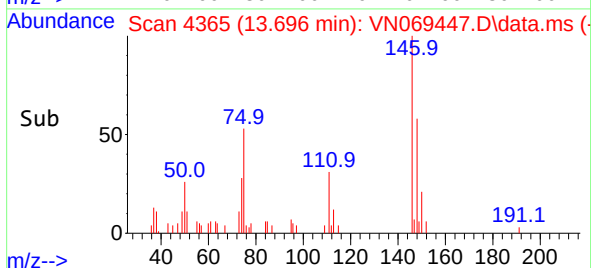
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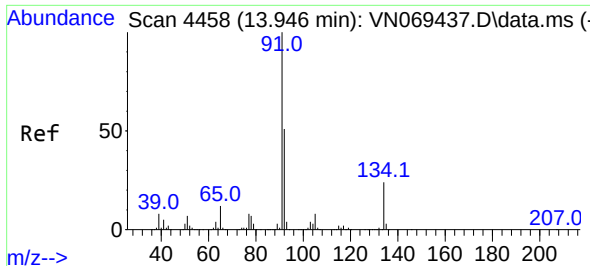


#84
1,4-Dichlorobenzene
Concen: 0.445 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19



Tgt Ion:146 Resp: 7848
Ion Ratio Lower Upper
146 100
111 43.7 19.5 58.5
148 68.4 31.1 93.5





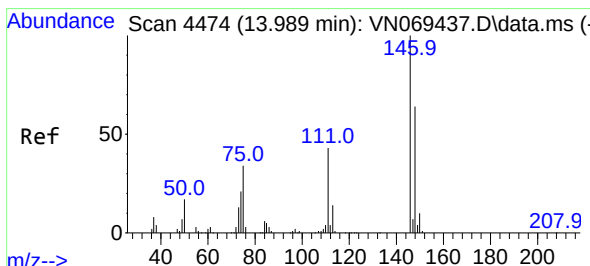
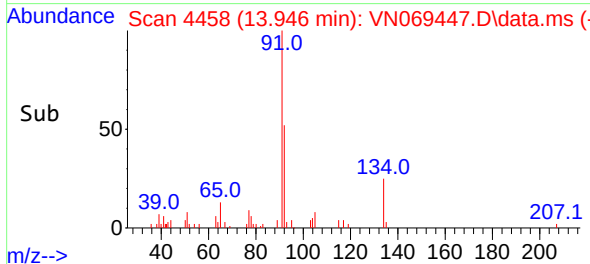
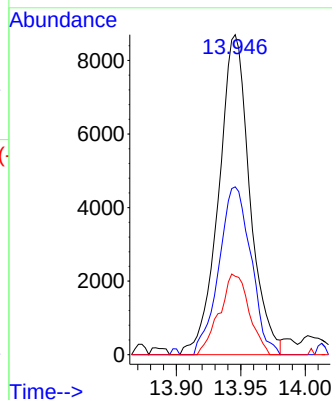
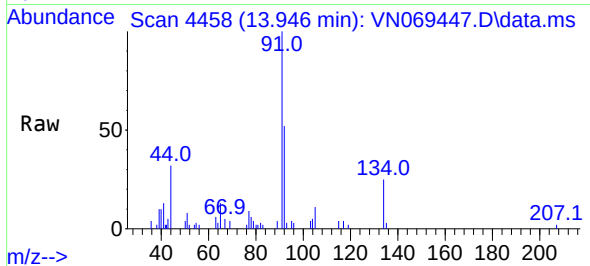
#85
n-Butylbenzene
Concen: 0.471 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

Instrument :
MSVOA_N
ClientSampleId :
TW-1

Tgt Ion: 91 Resp: 14618
Ion Ratio Lower Upper
91 100
92 54.1 0.0 100.6
134 24.0 0.0 50.2

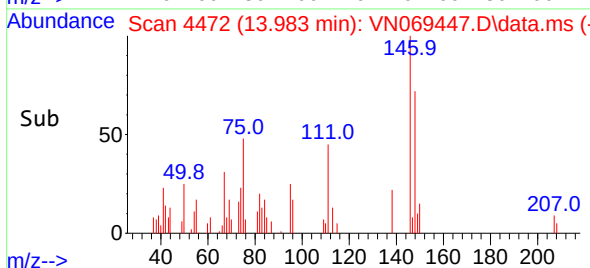
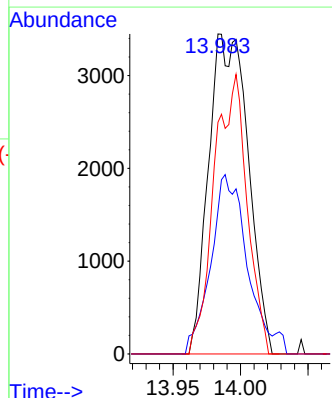
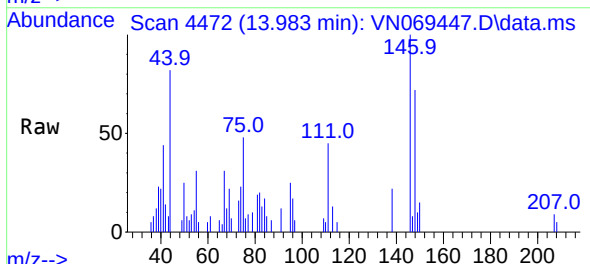
Manual Integrations
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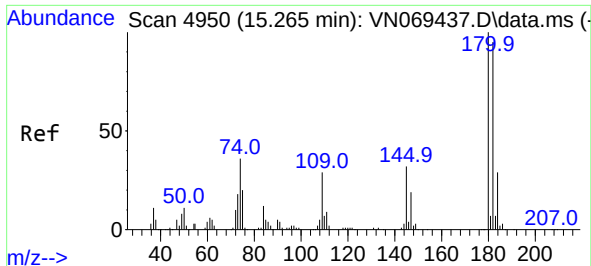
Reviewed By :John Carlone 11/11/2021
Supervised By :Semsettin Yesilyurt 11/16/2021



#87
1,2-Dichlorobenzene
Concen: 0.400 ug/l m
RT: 13.983 min Scan# 4472
Delta R.T. -0.008 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

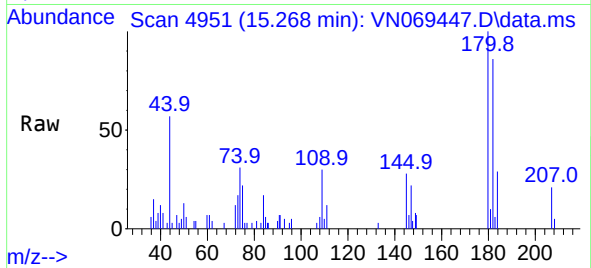
Tgt Ion:146 Resp: 7017
Ion Ratio Lower Upper
146 100
111 30.8 21.4 64.2
148 30.7 32.5 97.4#





#89
1,2,4-Trichlorobenzene
Concen: 1.285 ug/l m
RT: 15.268 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

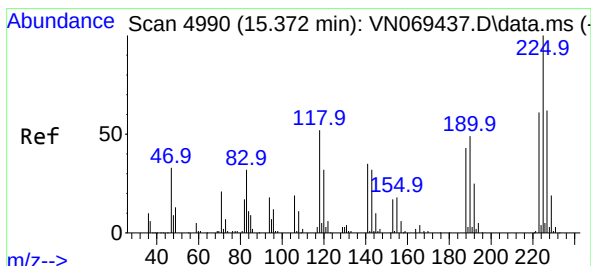
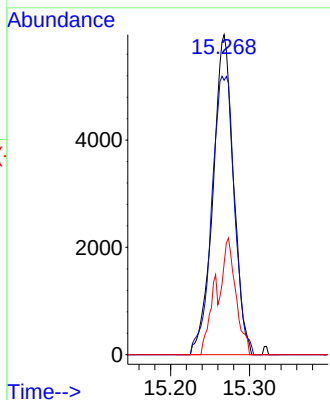
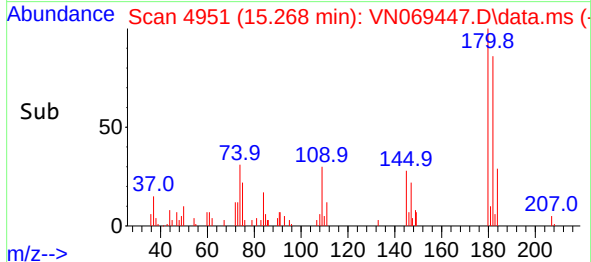
Instrument :
MSVOA_N
ClientSampleId :
TW-1



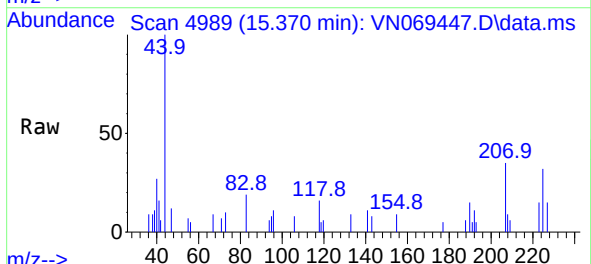
Tgt Ion:180 Resp: 10810
Ion Ratio Lower Upper
180 100
182 116.5 77.7 116.5
145 45.6 26.6 39.8

Manual Integrations
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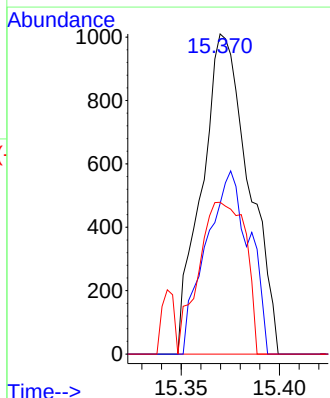
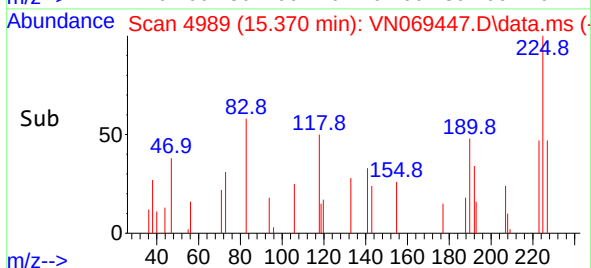
Reviewed By :John Carlone 11/11/2021
Supervised By :Semsettin Yesilyurt 11/16/2021

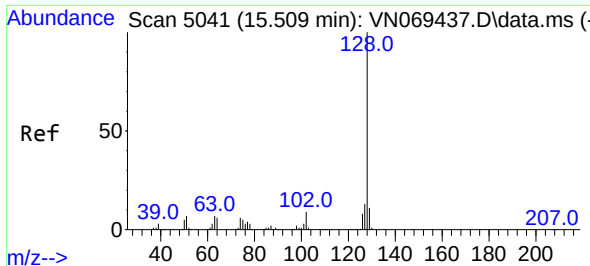


#90
Hexachlorobutadiene
Concen: 0.370 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. -0.003 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19



Tgt Ion:225 Resp: 1681
Ion Ratio Lower Upper
225 100
223 44.2 0.0 126.8
227 44.1 0.0 123.0





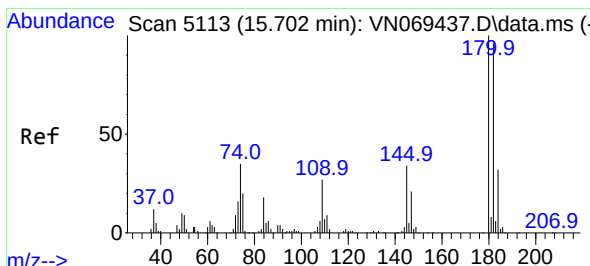
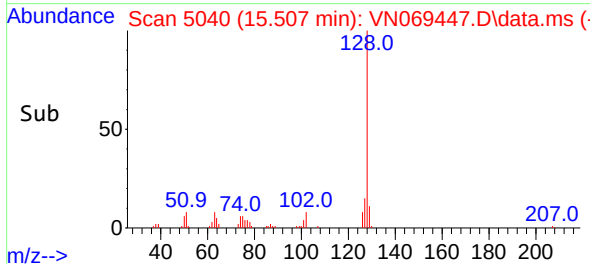
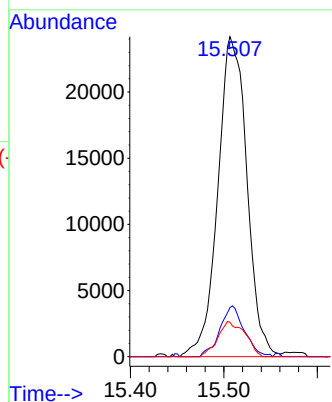
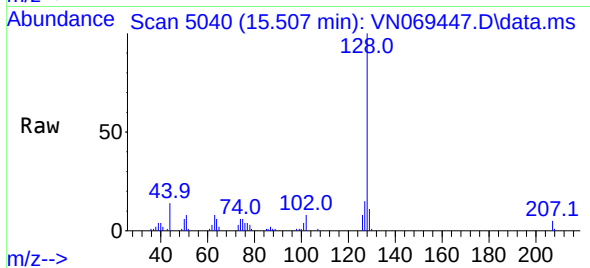
#91
Naphthalene
Concen: 2.153 ug/l
RT: 15.507 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

Instrument :
MSVOA_N
ClientSampleId :
TW-1

Tgt Ion:128 Resp: 52169
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 6.4 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/11/2021
Supervised By :Semsettin Yesilyurt 11/16/2021



#92
1,2,3-Trichlorobenzene
Concen: 1.627 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069447.D
Acq: 10 Nov 2021 18:19

Tgt Ion:180 Resp: 13456
Ion Ratio Lower Upper
180 100
182 93.6 0.0 190.0
145 36.6 0.0 67.8

