

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
 Data File : VN066736.D
 Acq On : 23 Apr 2021 14:33
 Operator : JC/MD
 Sample : M2150-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-20

Manual Integrations
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Quant Time: Apr 26 03:20:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Apr 21 16:55:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.116	128	46078	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.519	114	240909	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.351	117	209226	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.956	65	99521	29.98	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.93%		
60) 4-Bromofluorobenzene	12.349	95	69830	21.29	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	70.97%		
63) Toluene-d8	10.029	98	293709	30.51	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.70%		
Target Compounds						
15) Acetone	3.758	58	4499	11.95	ug/l	# 58
18) Methylene Chloride	4.480	84	1972	0.64	ug/l	# 76
30) 2-Butanone	6.770	43	3806m	2.08	ug/l	
58) 4-Methyl-2-Pentanone	9.924	43	2017m	0.57	ug/l	
64) Chlorobenzene	11.375	112	6117	0.86	ug/l	99
80) 1,2,4-Trimethylbenzene	12.998	105	2492	0.25	ug/l	94
81) sec-Butylbenzene	13.126	105	2919	0.26	ug/l	80
82) p-Isopropyltoluene	13.242	119	3408	0.35	ug/l	96
89) 1,2,4-Trichlorobenzene	14.862	180	4809m	1.67	ug/l	
90) Hexachlorobutadiene	14.950	225	1131	0.70	ug/l	97
91) Naphthalene	15.076	128	69408	10.03	ug/l	96
92) 1,2,3-Trichlorobenzene	15.253	180	5983	2.20	ug/l	97

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

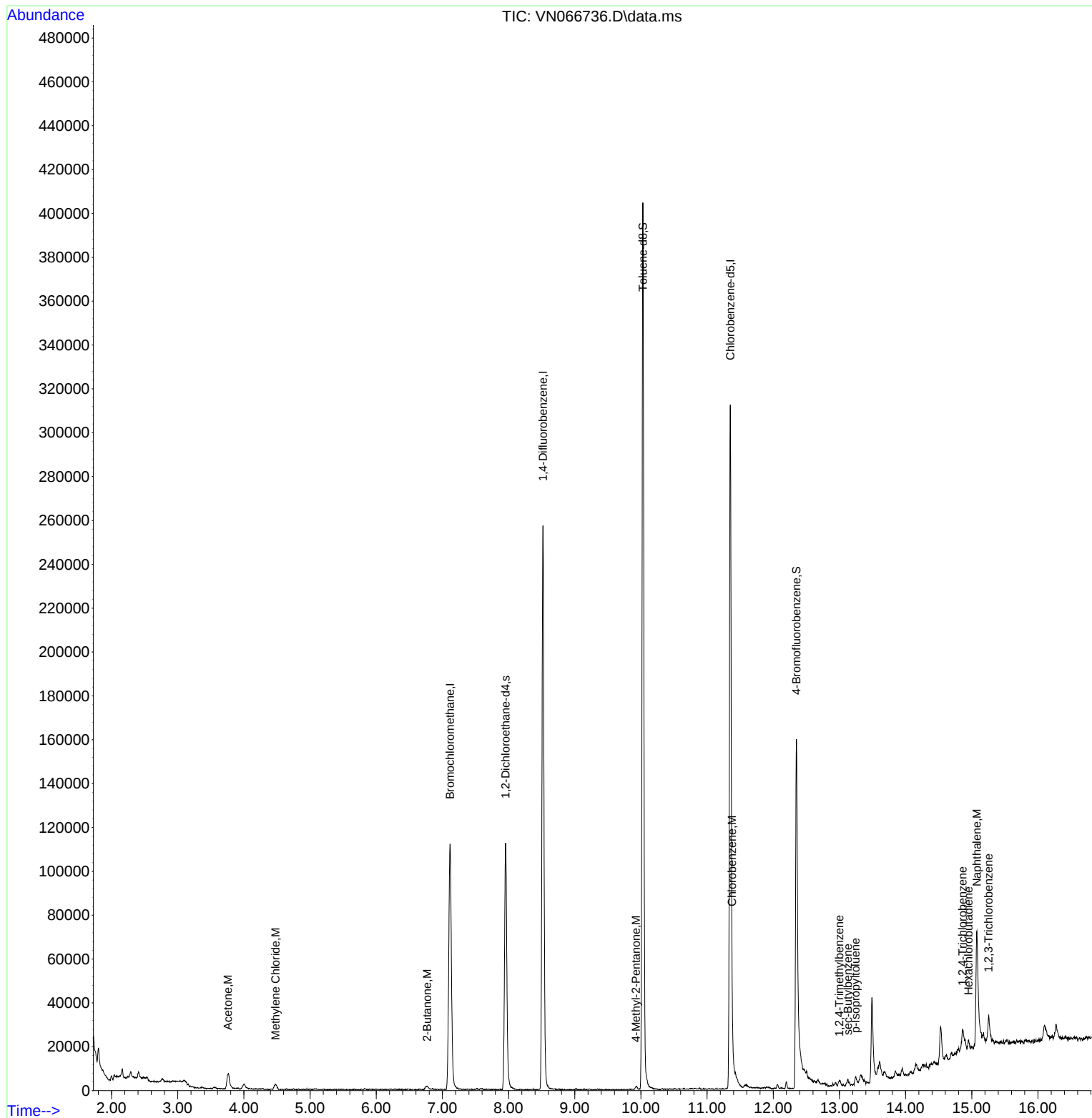
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
Data File : VN066736.D
Acq On : 23 Apr 2021 14:33
Operator : JC/MD
Sample : M2150-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

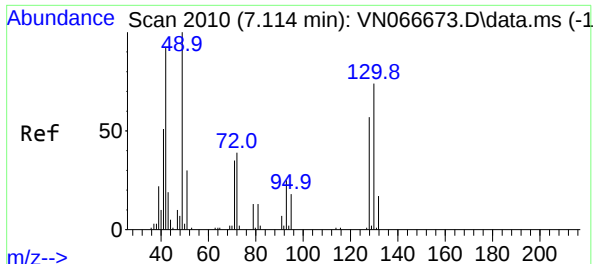
Instrument :
MSVOA_N
ClientSampleId :
TWP-20

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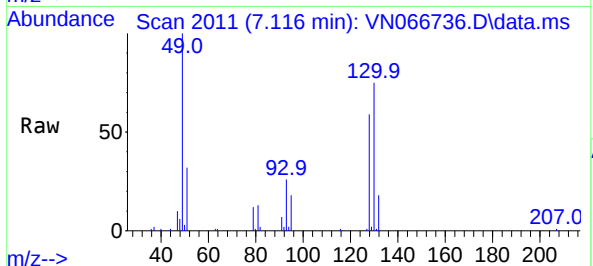
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4/26/2021 4:54:33 PM

Quant Time: Apr 26 03:20:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Apr 21 16:55:39 2021
Response via : Initial Calibration

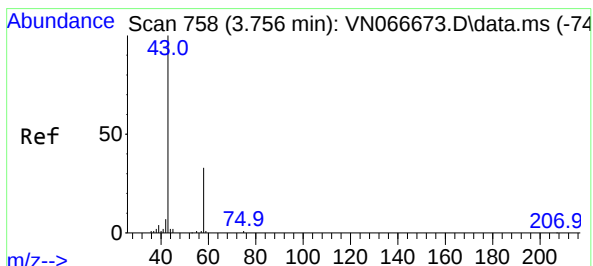
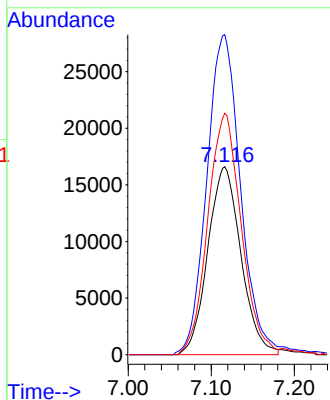
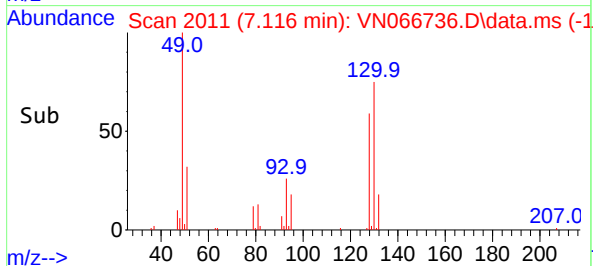




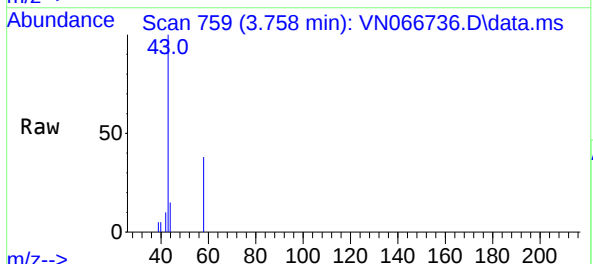
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.116 min Scan# 2011
Delta R.T. 0.002 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33



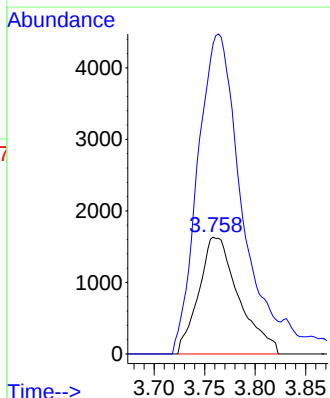
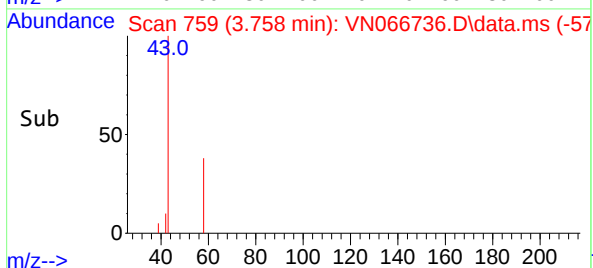
Tgt Ion:128 Resp: 46078
Ion Ratio Lower Upper
128 100
49 172.9 0.0 429.3
130 129.4 0.0 328.5



#15
Acetone
Concen: 11.95 ug/l
RT: 3.758 min Scan# 759
Delta R.T. 0.002 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33



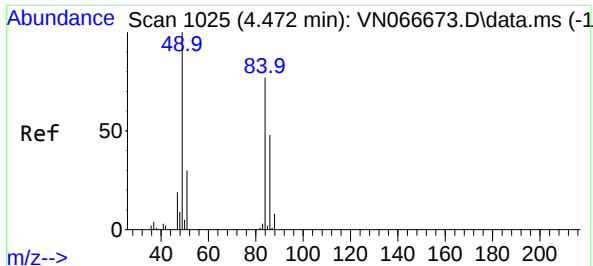
Tgt Ion: 58 Resp: 4499
Ion Ratio Lower Upper
58 100
43 246.6 267.3 400.9#



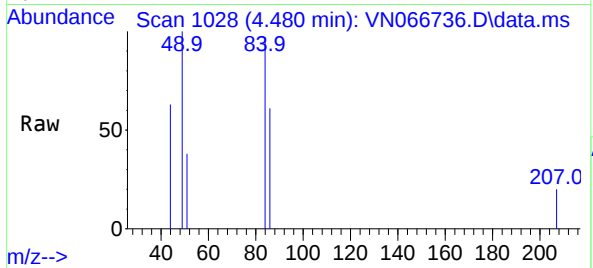
Instrument :
MSVOA_N
ClientSampled :
TWP-20

Manual Integrations
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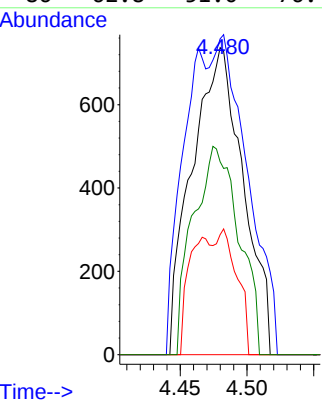
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#18
Methylene Chloride
Concen: 0.64 ug/l
RT: 4.480 min Scan# 1028
Delta R.T. 0.008 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33



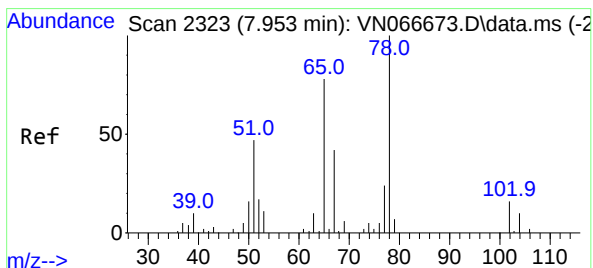
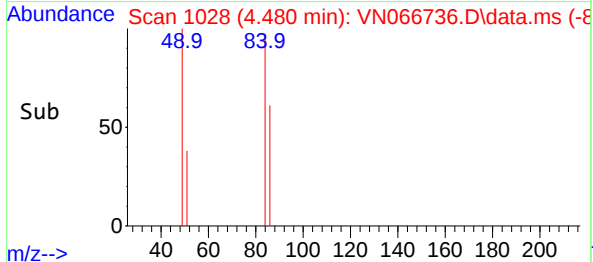
Tgt Ion:	84	Resp:	1972
Ion	Ratio	Lower	Upper
84	100		
49	76.0	98.9	148.3#
51	39.1	30.8	46.2
86	62.8	51.0	76.4



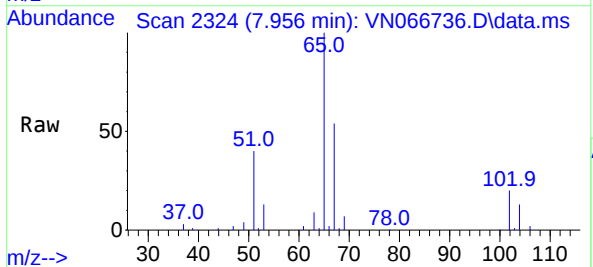
Instrument :
MSVOA_N
ClientSampled :
TWP-20

Manual Integrations
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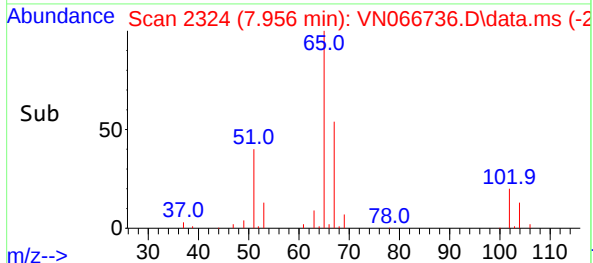
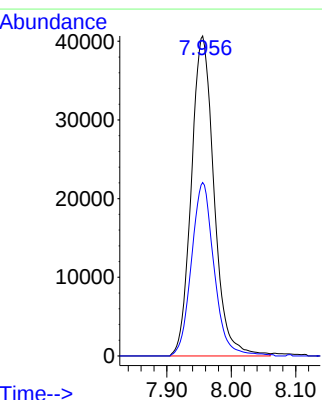
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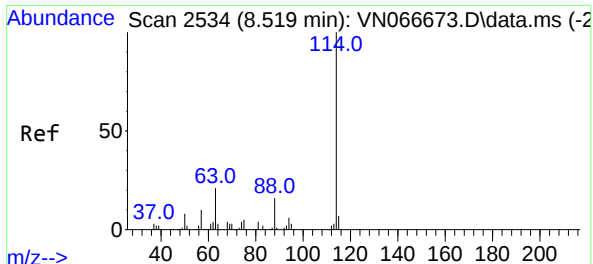


#27
1,2-Dichloroethane-d4
Concen: 29.98 ug/l
RT: 7.956 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33



Tgt Ion:	65	Resp:	99521
Ion	Ratio	Lower	Upper
65	100		
67	53.9	42.2	63.4





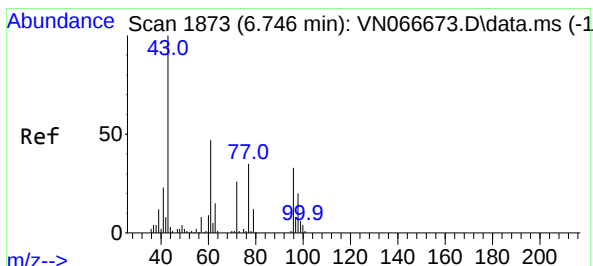
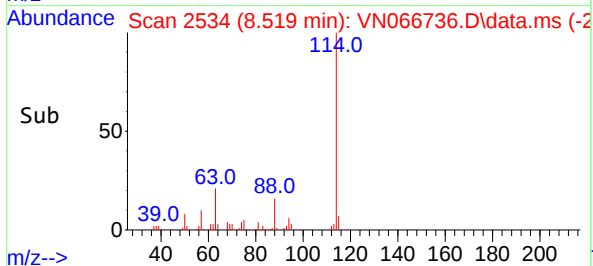
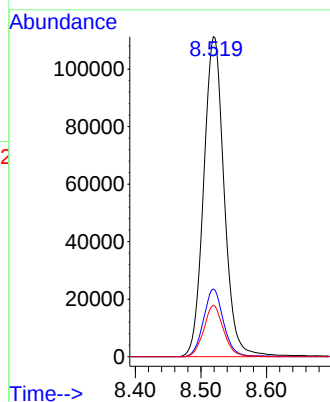
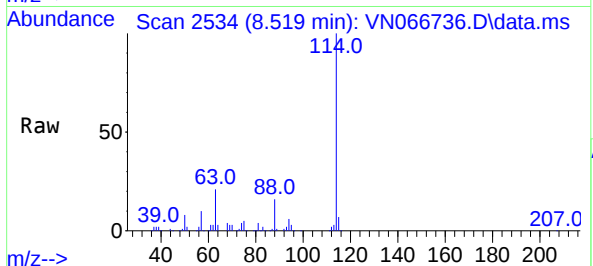
#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33

Tgt Ion: 114 Resp: 240909
Ion Ratio Lower Upper
114 100
63 20.6 17.4 26.0
88 15.4 12.6 19.0

Instrument :
MSVOA_N
ClientSampleId :
TWP-20

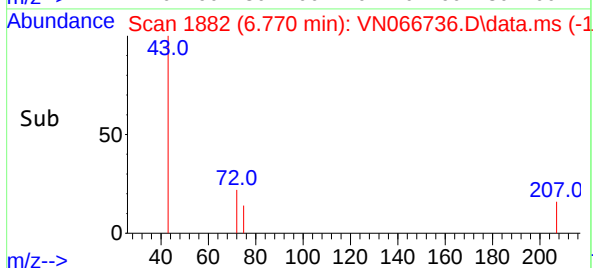
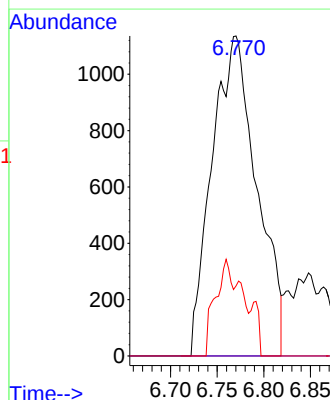
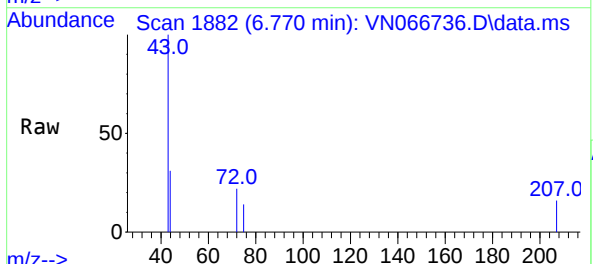
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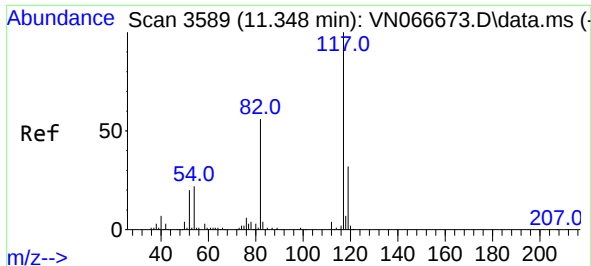
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#30
2-Butanone
Concen: 2.08 ug/l m
RT: 6.770 min Scan# 1882
Delta R.T. 0.024 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33

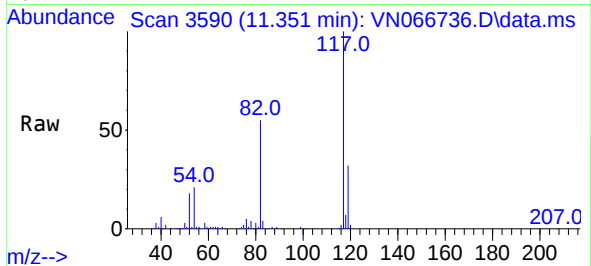
Tgt Ion: 43 Resp: 3806
Ion Ratio Lower Upper
43 100
57 0.0 6.9 10.3#
72 11.3 20.9 31.3#





#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33

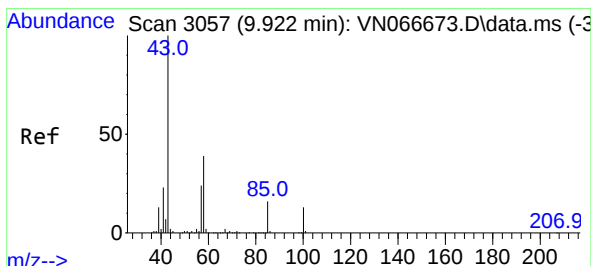
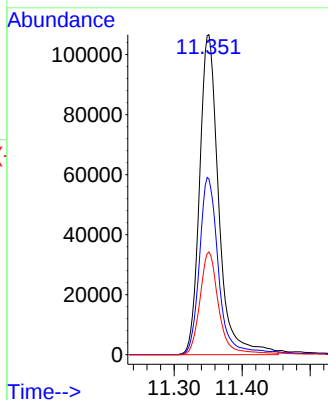
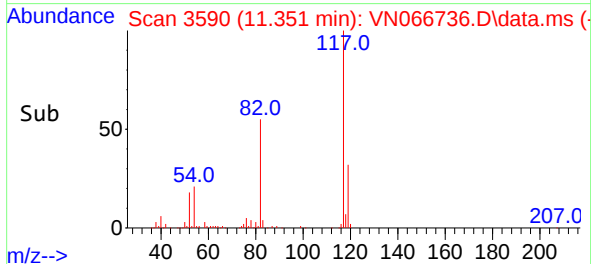
Instrument :
MSVOA_N
ClientSampleId :
TWP-20



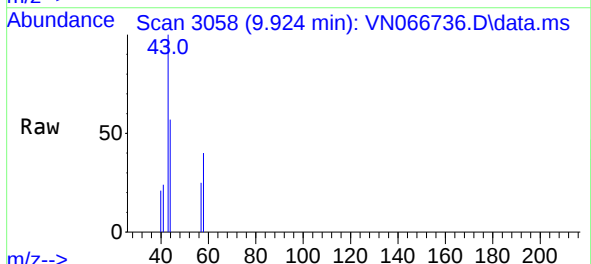
Tgt Ion: 117 Resp: 209226
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.6
119 30.9 25.5 38.3

Manual Integrations
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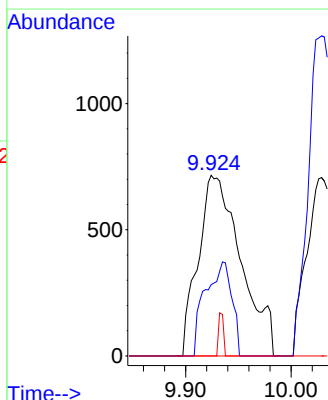
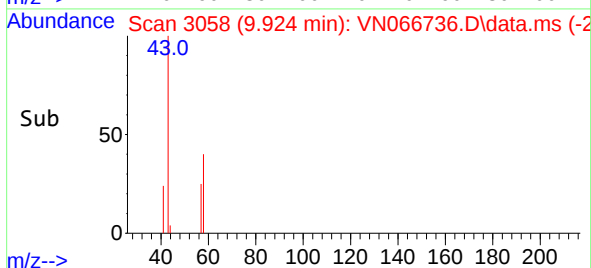
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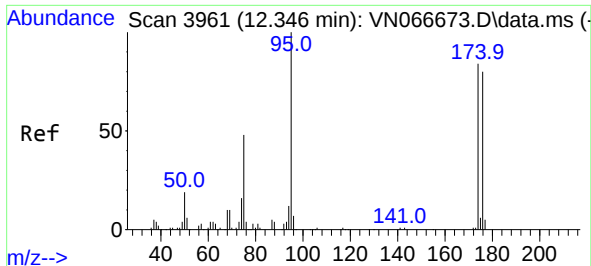


#58
4-Methyl-2-Pentanone
Concen: 0.57 ug/l m
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33



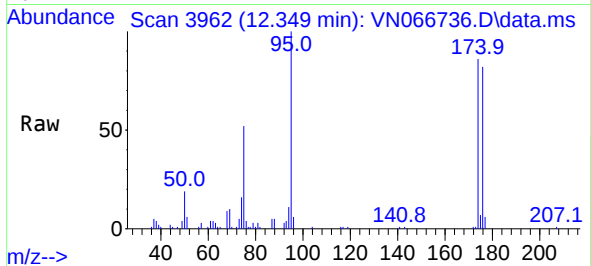
Tgt Ion: 43 Resp: 2017
Ion Ratio Lower Upper
43 100
58 9.4 30.4 45.6#
85 0.0 13.8 20.8#





#60
4-Bromofluorobenzene
Concen: 21.29 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33

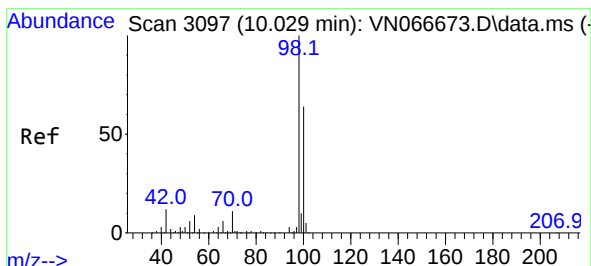
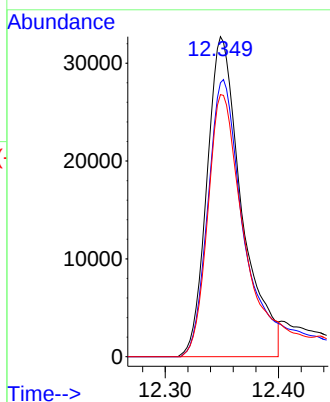
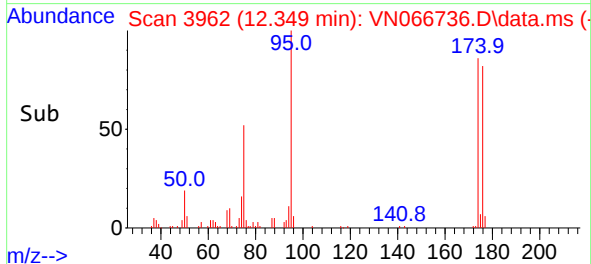
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MSVOA_N
ClientSampleId :
TWP-20



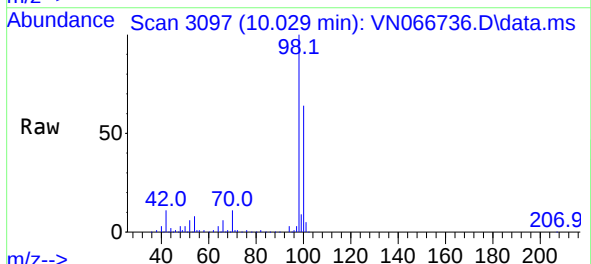
Tgt Ion: 95 Resp: 69830
Ion Ratio Lower Upper
95 100
174 96.0 68.1 102.1
176 89.7 65.4 98.0

Manual Integrations
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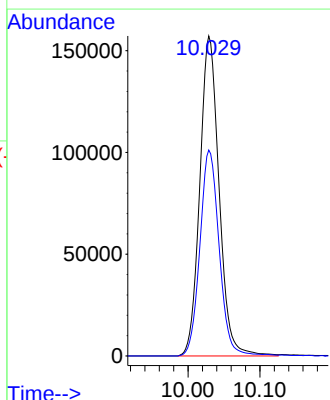
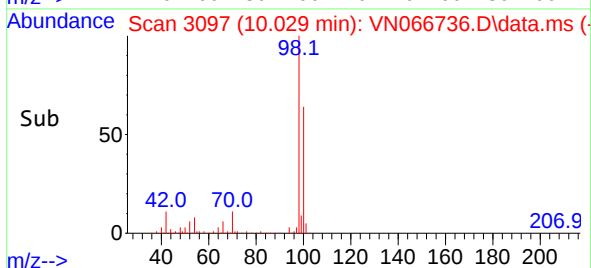
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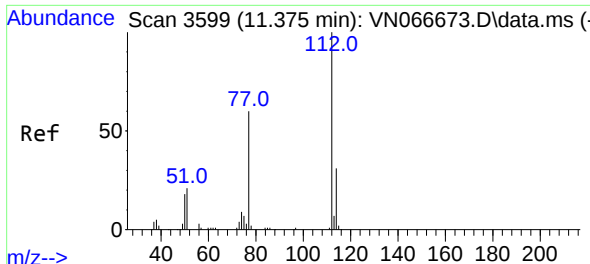


#63
Toluene-d8
Concen: 30.51 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33



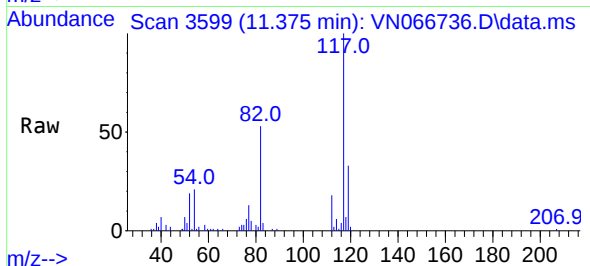
Tgt Ion: 98 Resp: 293709
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7





#64
Chlorobenzene
Concen: 0.86 ug/l
RT: 11.375 min Scan# 3599
Delta R.T. 0.000 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33

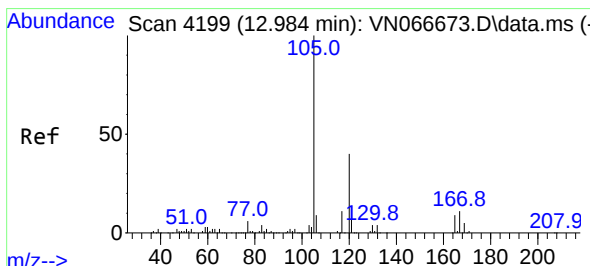
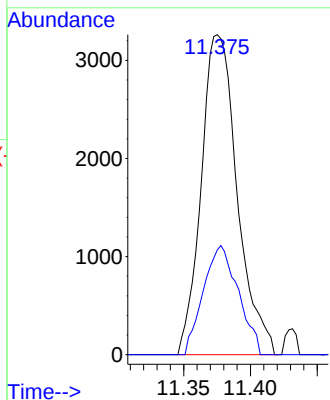
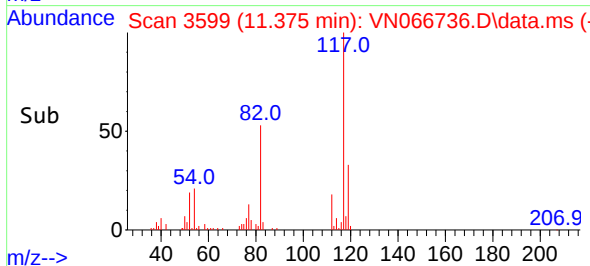
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MSVOA_N
ClientSampled :
TWP-20



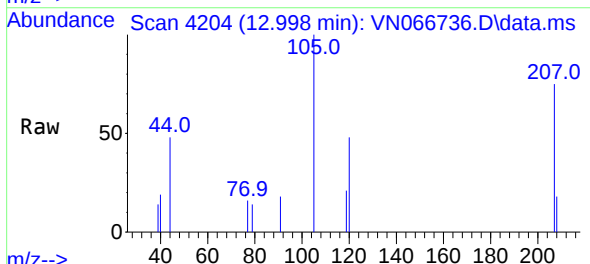
Tgt Ion:112 Resp: 6117
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4

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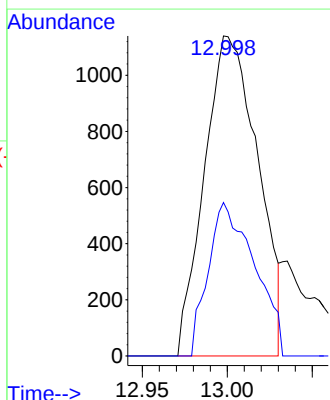
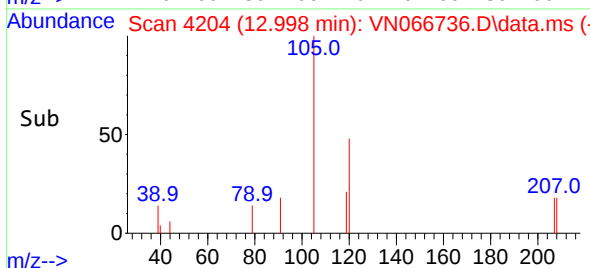
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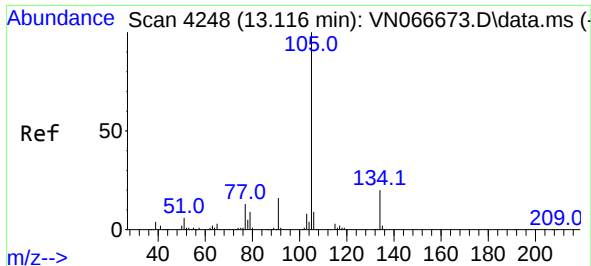


#80
1,2,4-Trimethylbenzene
Concen: 0.25 ug/l
RT: 12.998 min Scan# 4204
Delta R.T. 0.014 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33



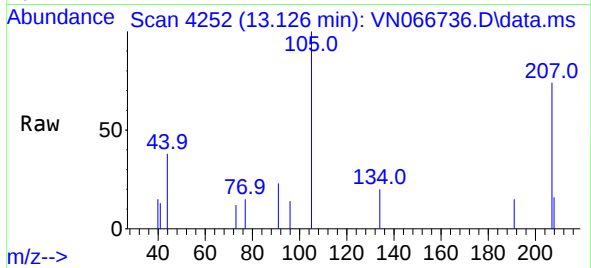
Tgt Ion:105 Resp: 2492
Ion Ratio Lower Upper
105 100
120 41.7 0.0 90.6





#81
sec-Butylbenzene
Concen: 0.26 ug/l
RT: 13.126 min Scan# 4252
Delta R.T. 0.010 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33

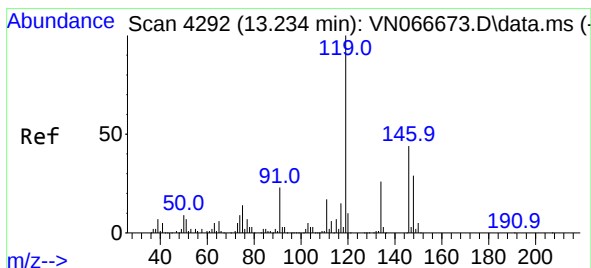
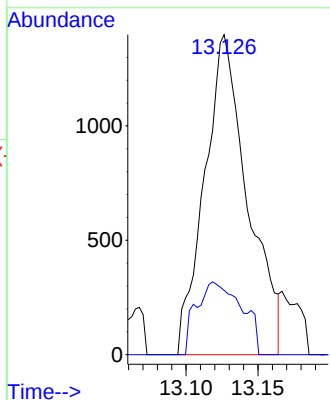
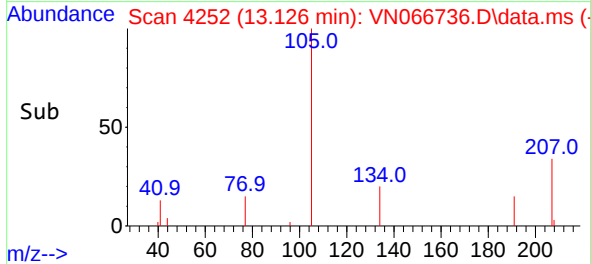
Instrument :
MSVOA_N
ClientSampled :
TWP-20



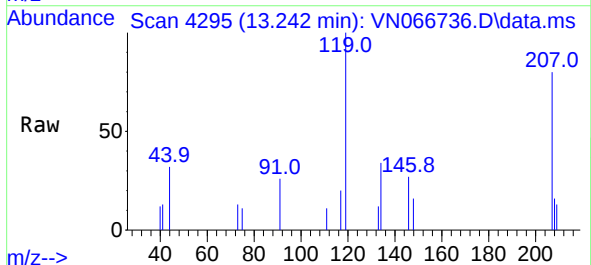
Tgt Ion:105 Resp: 2919
Ion Ratio Lower Upper
105 100
134 10.7 0.0 40.0

Manual Integrations
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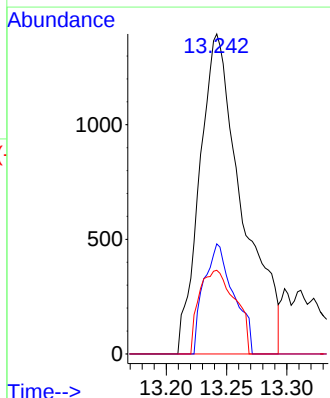
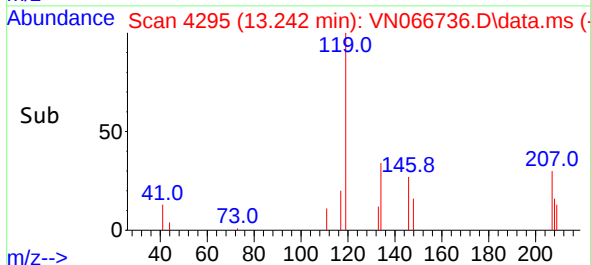
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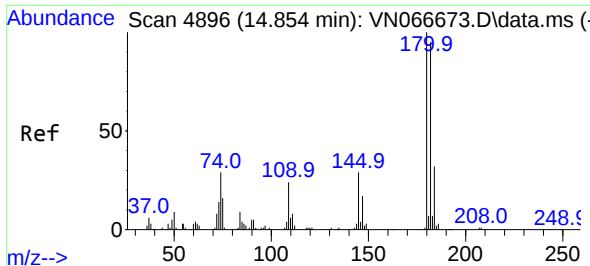


#82
p-Isopropyltoluene
Concen: 0.35 ug/l
RT: 13.242 min Scan# 4295
Delta R.T. 0.008 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33

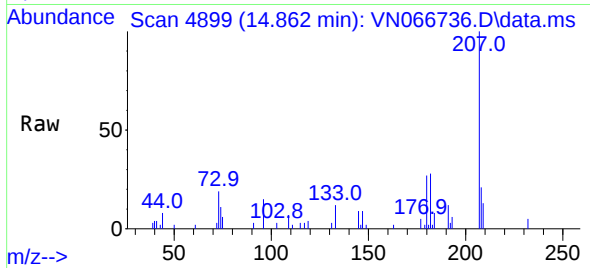


Tgt Ion:119 Resp: 3408
Ion Ratio Lower Upper
119 100
134 24.3 0.0 53.4
91 22.2 0.0 47.6





#89
1,2,4-Trichlorobenzene
Concen: 1.67 ug/l m
RT: 14.862 min Scan# 4899
Delta R.T. 0.008 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33

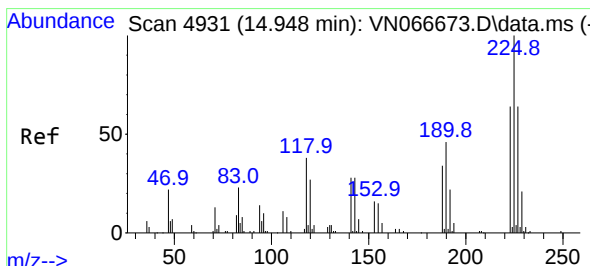
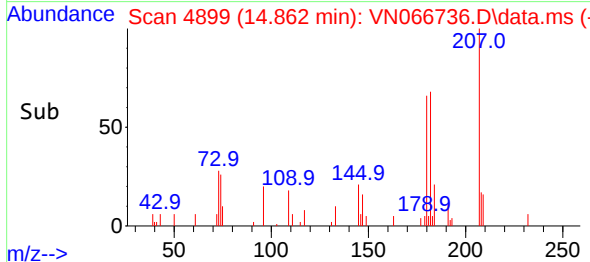
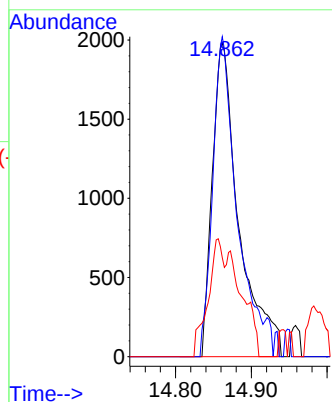


Tgt Ion:180 Resp: 4809
Ion Ratio Lower Upper
180 100
182 116.4 74.3 111.5#
145 43.3 23.4 35.0#

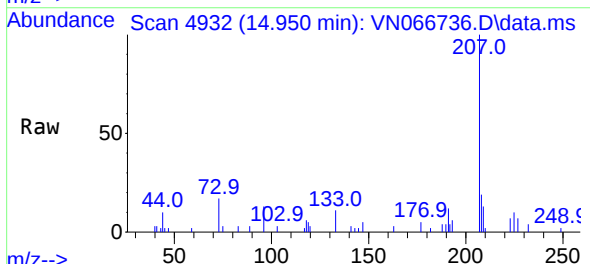
Instrument :
MSVOA_N
ClientSampled :
TWP-20

Manual Integrations
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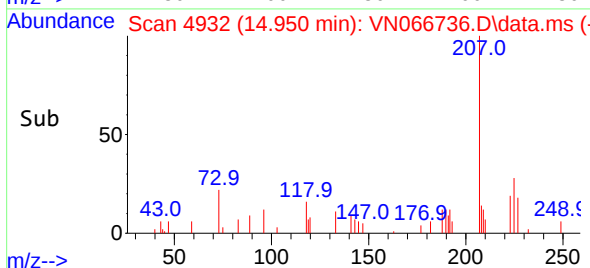
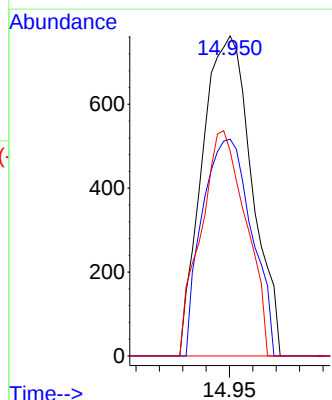
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4/26/2021 4:54:33 PM

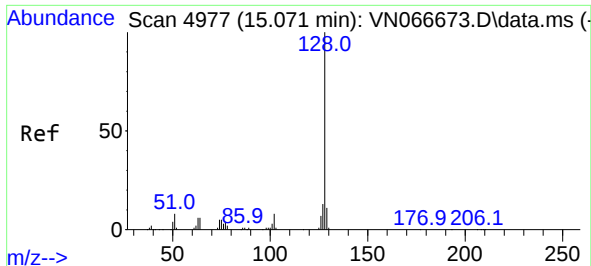


#90
Hexachlorobutadiene
Concen: 0.70 ug/l
RT: 14.950 min Scan# 4932
Delta R.T. 0.002 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33



Tgt Ion:225 Resp: 1131
Ion Ratio Lower Upper
225 100
223 66.9 0.0 124.6
227 63.7 0.0 126.6





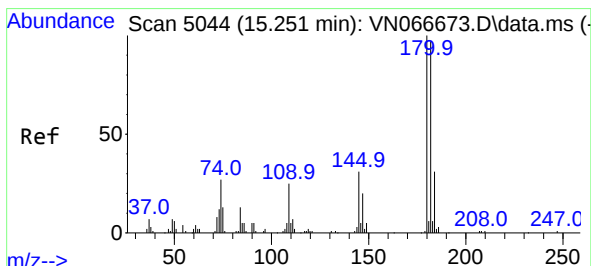
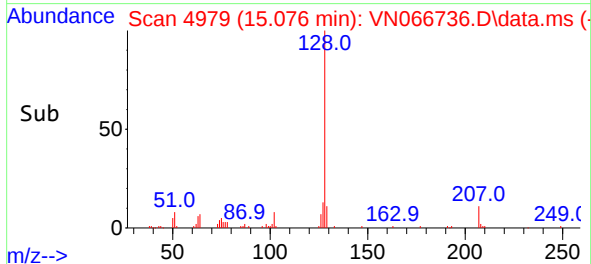
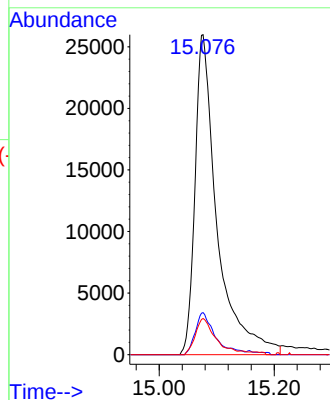
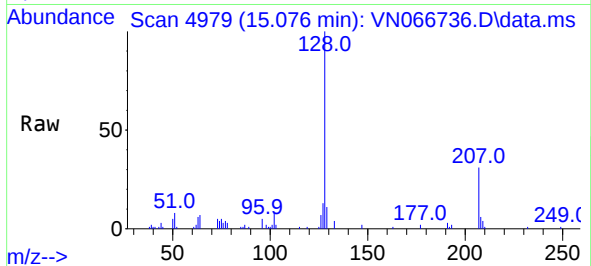
#91
Naphthalene
Concen: 10.03 ug/l
RT: 15.076 min Scan# 4979
Delta R.T. 0.005 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33

Tgt Ion:128 Resp: 69408
Ion Ratio Lower Upper
128 100
127 10.9 10.2 15.2
129 9.6 8.6 13.0

Instrument :
MSVOA_N
ClientSampled :
TWP-20

Manual Integrations
APPROVED

MMDadoda
4/26/2021 4:54:33 PM



#92
1,2,3-Trichlorobenzene
Concen: 2.20 ug/l
RT: 15.253 min Scan# 5045
Delta R.T. 0.002 min
Lab File: VN066736.D
Acq: 23 Apr 2021 14:33

Tgt Ion:180 Resp: 5983
Ion Ratio Lower Upper
180 100
182 93.6 0.0 190.0
145 34.8 0.0 60.8

