

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067024.D
 Acq On : 6 May 2021 21:12
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Manual Integrations
 APPROVED

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 5/7/2021 6:23:34 PM

Quant Time: May 07 06:59:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 07 06:53:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.115	128	79995	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	405190	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	326037	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	206869	29.51	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.37%		
60) 4-Bromofluorobenzene	12.355	95	123583m	22.78	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	75.93%		
63) Toluene-d8	10.030	98	518447	32.10	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	107.00%		
Target Compounds						
						Qvalue
16) Carbon Disulfide	3.988	76	13799	0.92	ug/l #	92
37) Trichloroethene	8.770	130	1767	0.36	ug/l #	74
38) Methylcyclohexane	9.016	83	1745	0.25	ug/l	68
58) 4-Methyl-2-Pentanone	9.931	43	10267	1.68	ug/l #	94
61) Tetrachloroethene	10.575	164	1890	0.51	ug/l #	81
62) Toluene	10.097	91	4658	0.23	ug/l	96
64) Chlorobenzene	11.379	112	4185	0.36	ug/l	99
70) Isopropylbenzene	12.205	105	5212	0.27	ug/l	96
90) Hexachlorobutadiene	14.957	225	4195	1.51	ug/l	86
91) Naphthalene	15.080	128	147022	13.03	ug/l	98
92) 1,2,3-Trichlorobenzene	15.260	180	32180	7.47	ug/l	92

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

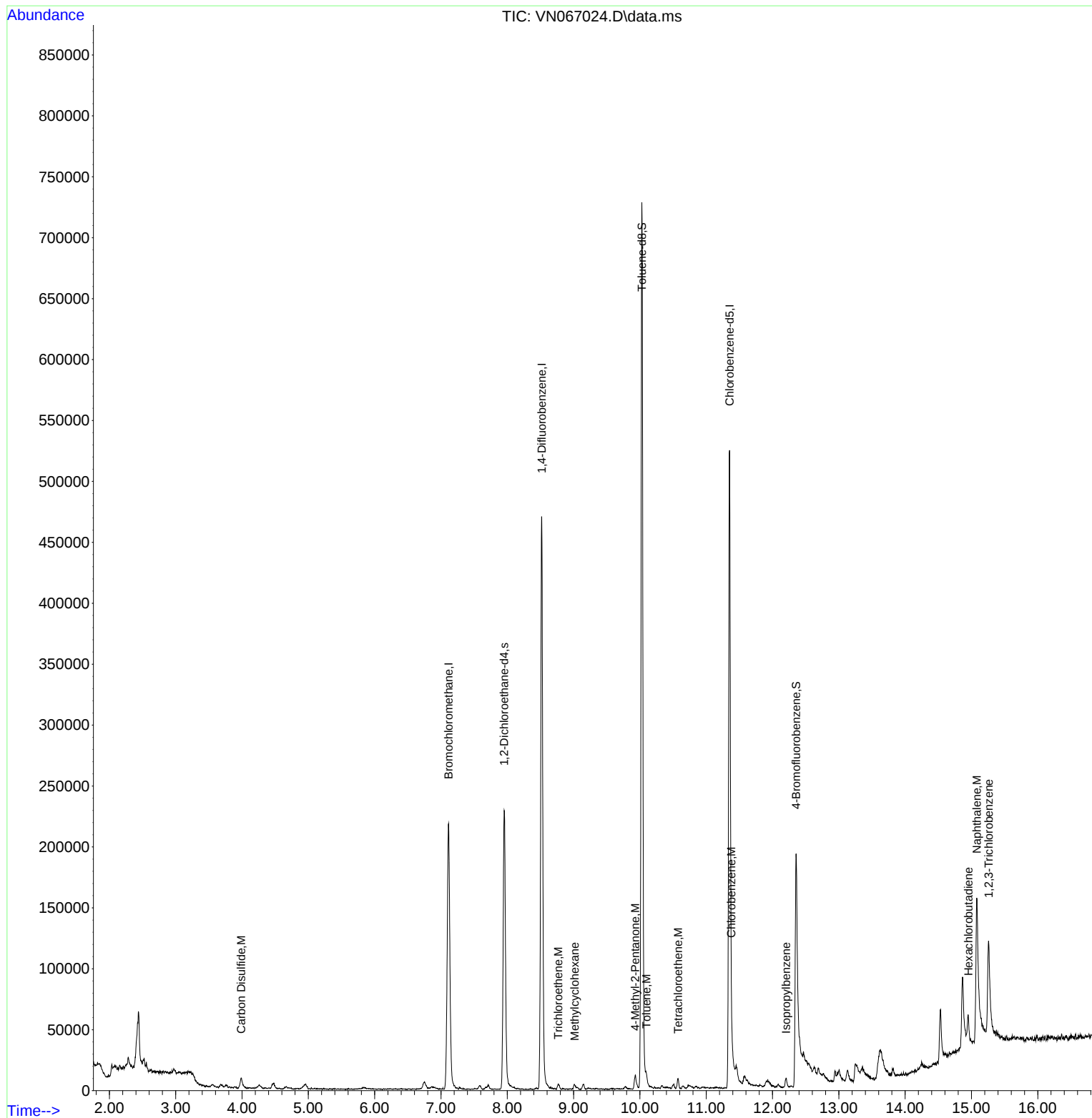
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Data File : VN067024.D
Acq On : 6 May 2021 21:12
Operator : JC/MD
Sample : IBLK
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

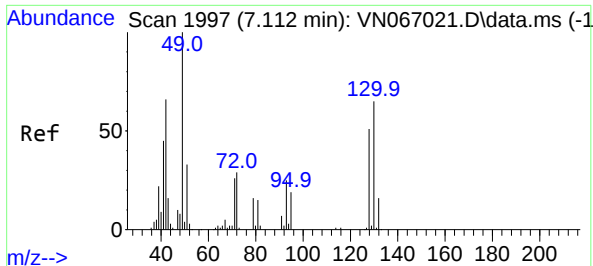
Instrument :
MSVOA_N
ClientSampleId :
IBLK

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Quant Time: May 07 06:59:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 07 06:53:40 2021
Response via : Initial Calibration





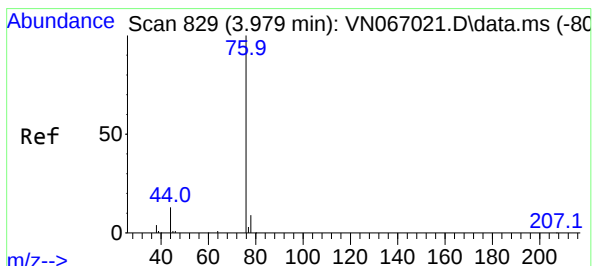
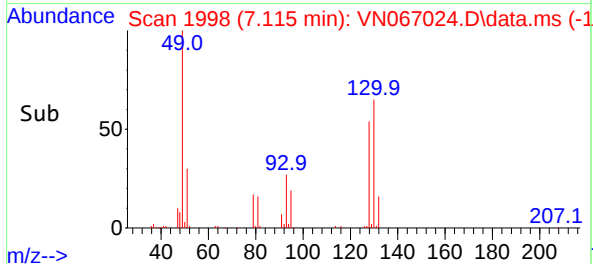
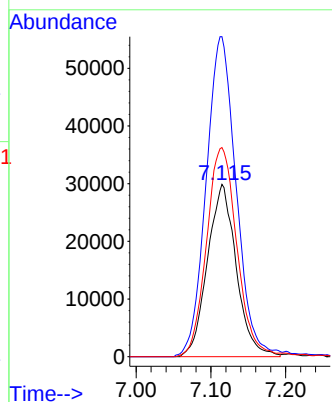
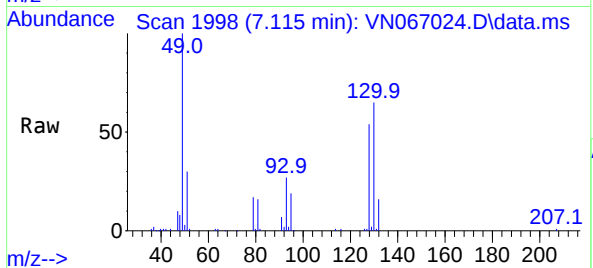
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.115 min Scan# 1998
Delta R.T. 0.003 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

Tgt Ion:	128	Resp:	79995
Ion	Ratio	Lower	Upper
128	100		
49	192.4	0.0	486.3
130	127.7	0.0	326.0

Instrument :
MSVOA_N
ClientSampleId :
IBLK

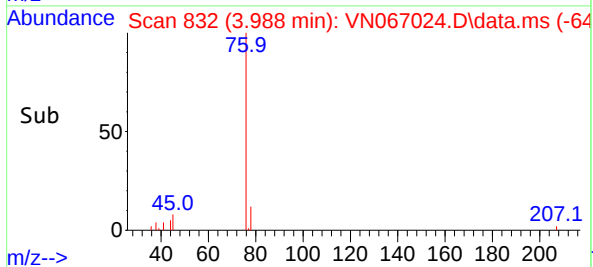
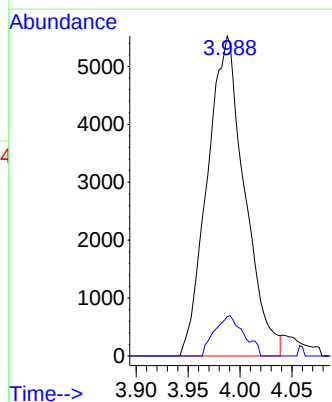
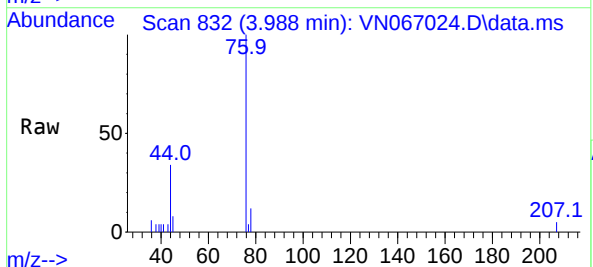
Manual Integrations
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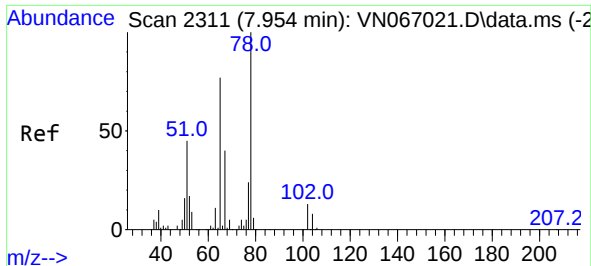
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#16
Carbon Disulfide
Concen: 0.92 ug/l
RT: 3.988 min Scan# 832
Delta R.T. 0.008 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

Tgt Ion:	76	Resp:	13799
Ion	Ratio	Lower	Upper
76	100		
78	12.3	7.5	11.3#





#27

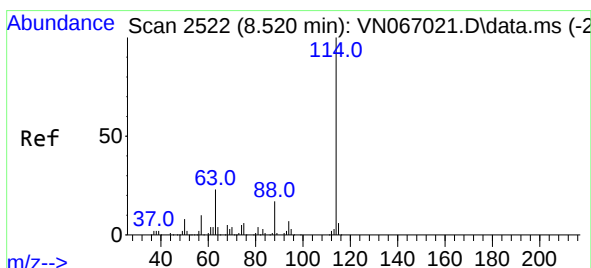
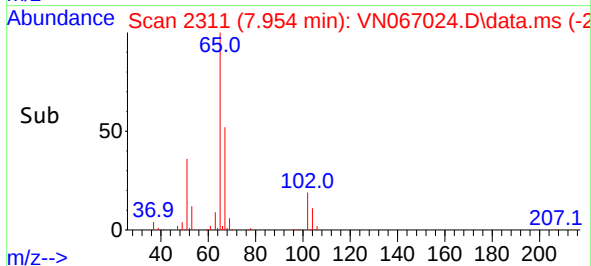
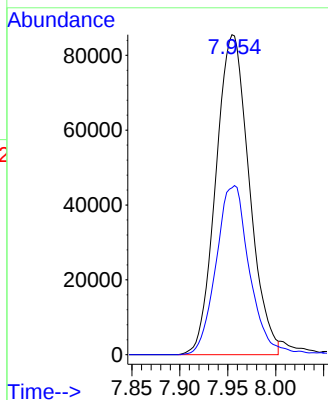
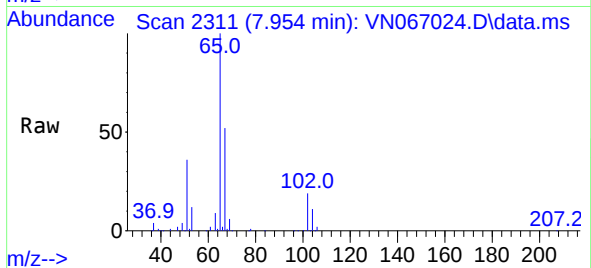
1,2-Dichloroethane-d4
Concen: 29.51 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

Tgt Ion: 65 Resp: 206869
Ion Ratio Lower Upper
65 100
67 52.7 41.6 62.4

Instrument :
MSVOA_N
ClientSampled :
IBLK

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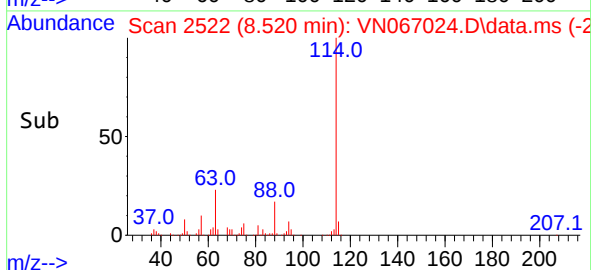
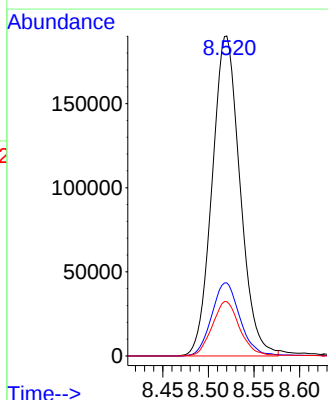
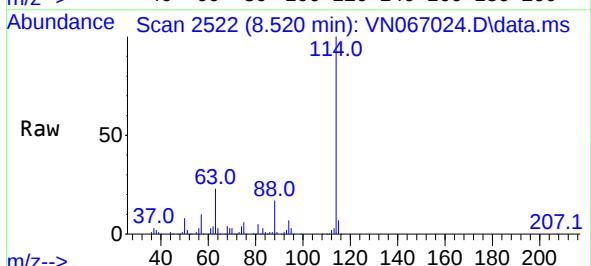
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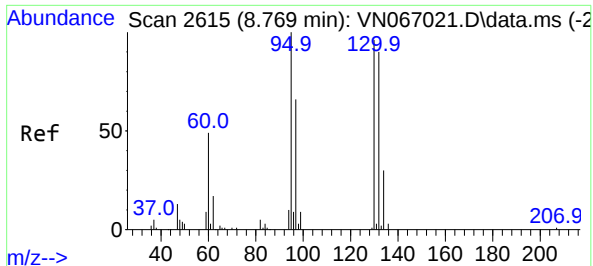


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

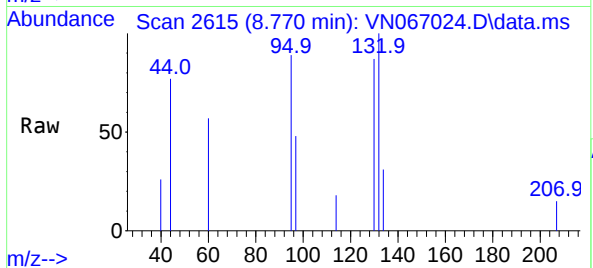
Tgt Ion: 114 Resp: 405190
Ion Ratio Lower Upper
114 100
63 23.3 18.8 28.2
88 16.8 13.8 20.6





#37
Trichloroethene
Concen: 0.36 ug/l
RT: 8.770 min Scan# 2615
Delta R.T. 0.000 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

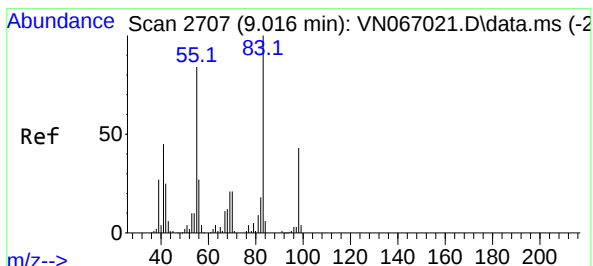
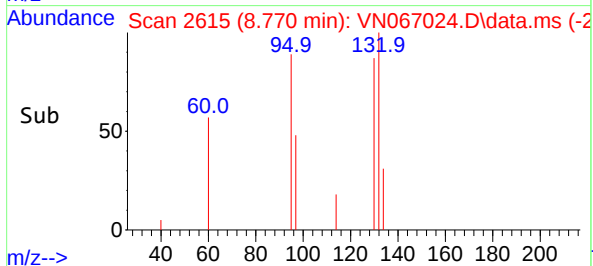
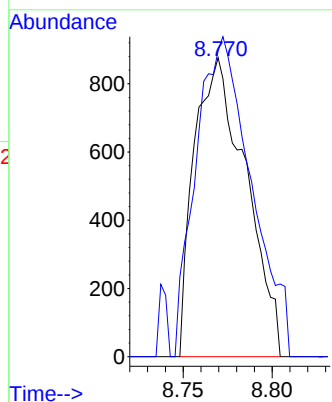
Instrument :
MSVOA_N
ClientSampled :
IBLK



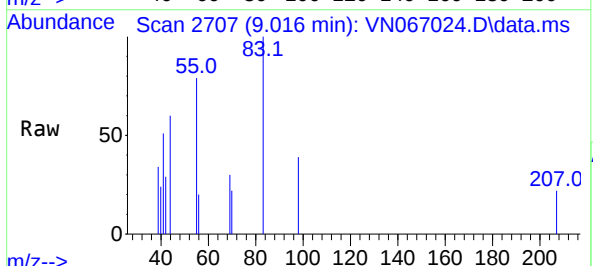
Tgt Ion:130 Resp: 1767
Ion Ratio Lower Upper
130 100
95 78.1 83.5 125.3#

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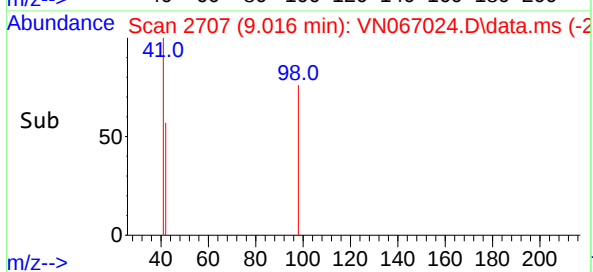
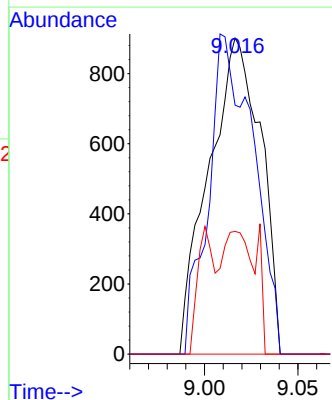
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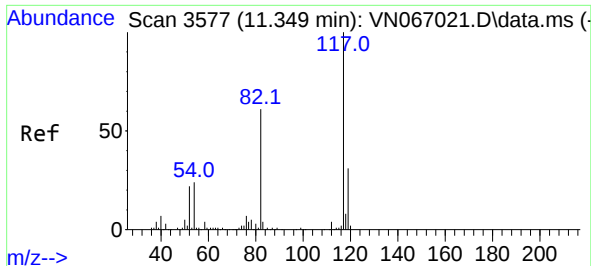


#38
Methylcyclohexane
Concen: 0.25 ug/l
RT: 9.016 min Scan# 2707
Delta R.T. 0.000 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12



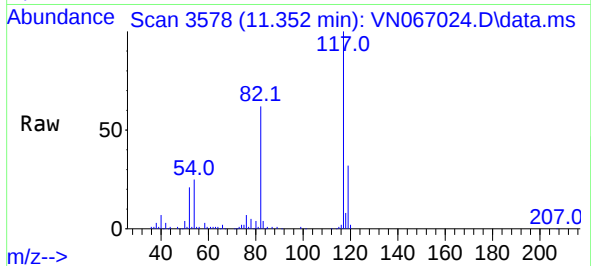
Tgt Ion: 83 Resp: 1745
Ion Ratio Lower Upper
83 100
55 57.5 43.1 129.3
98 22.2 22.0 66.0





#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

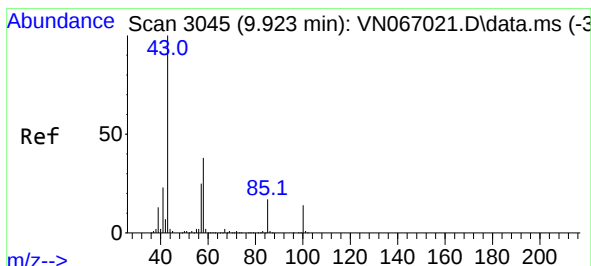
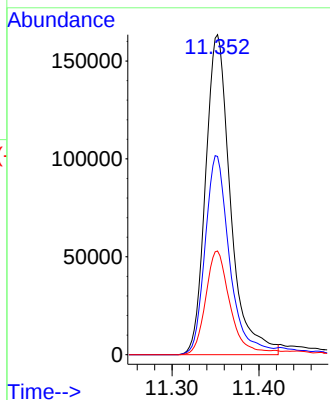
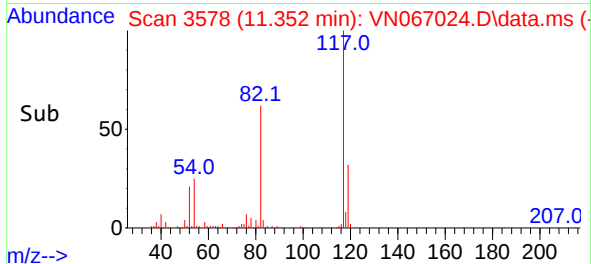
Instrument :
MSVOA_N
ClientSampleId :
IBLK



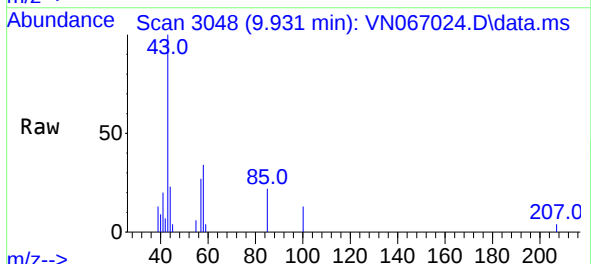
Tgt Ion: 117 Resp: 326037
Ion Ratio Lower Upper
117 100
82 61.2 49.3 73.9
119 31.6 25.5 38.3

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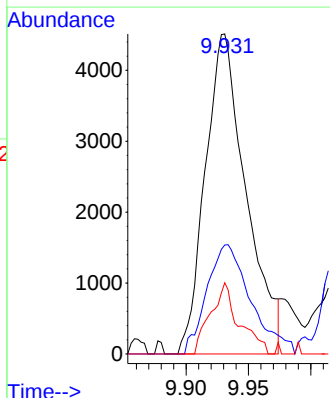
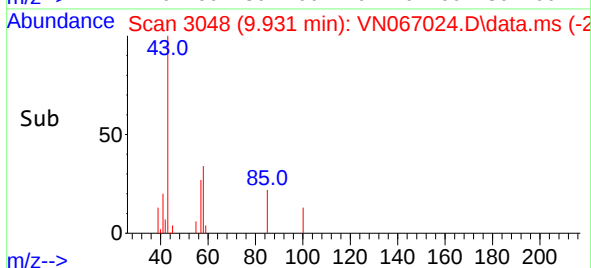
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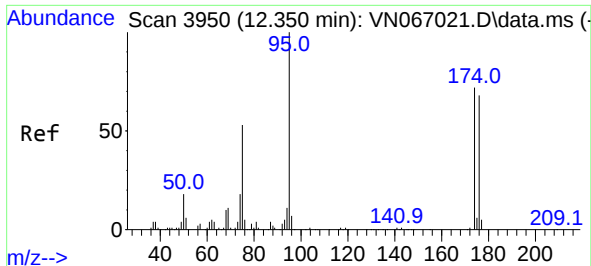


#58
4-Methyl-2-Pentanone
Concen: 1.68 ug/l
RT: 9.931 min Scan# 3048
Delta R.T. 0.008 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12



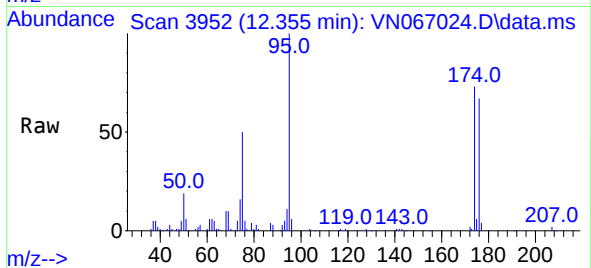
Tgt Ion: 43 Resp: 10267
Ion Ratio Lower Upper
43 100
58 35.3 30.4 45.6
85 12.1 13.4 20.0#





#60
4-Bromofluorobenzene
Concen: 22.78 ug/l m
RT: 12.355 min Scan# 3952
Delta R.T. 0.005 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

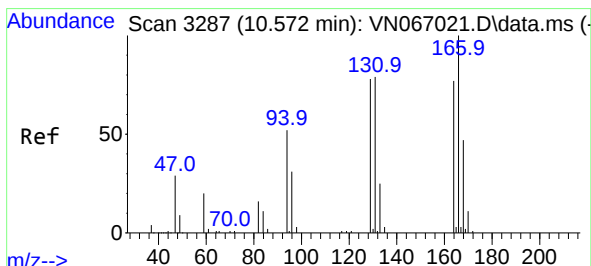
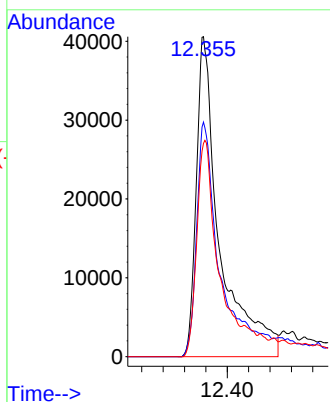
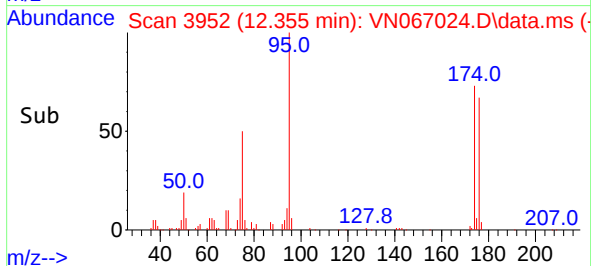
Instrument :
MSVOA_N
ClientSampled :
IBLK



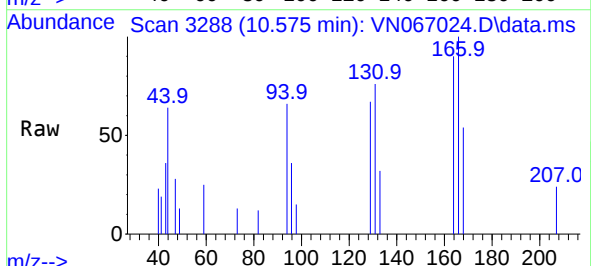
Tgt Ion: 95 Resp: 123583
Ion Ratio Lower Upper
95 100
174 62.6 57.2 85.8
176 59.3 54.5 81.7

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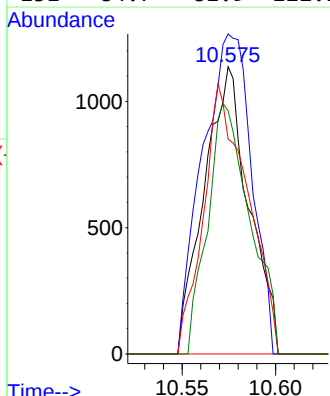
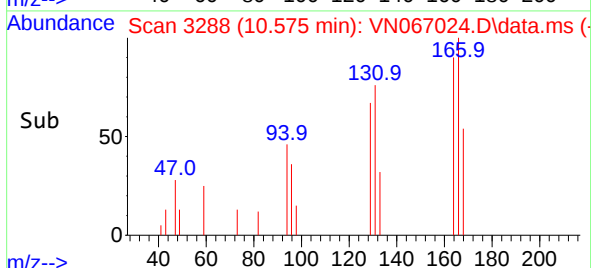
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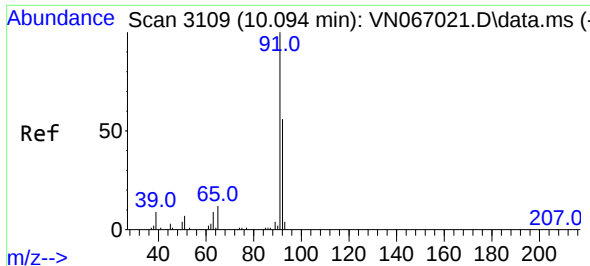


#61
Tetrachloroethene
Concen: 0.51 ug/l
RT: 10.575 min Scan# 3288
Delta R.T. 0.003 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12



Tgt Ion: 164 Resp: 1890
Ion Ratio Lower Upper
164 100
166 111.4 103.4 155.0
129 74.8 80.6 120.8#
131 84.7 81.9 122.9





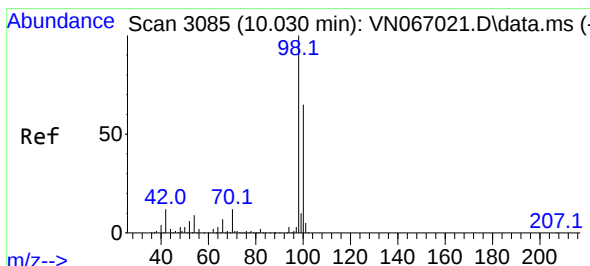
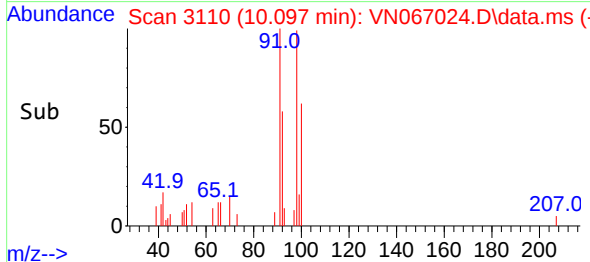
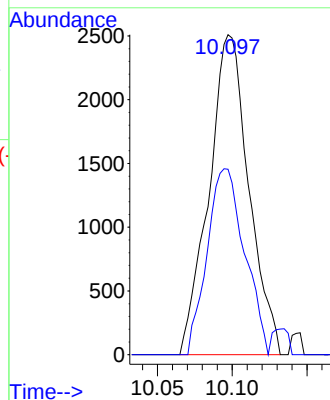
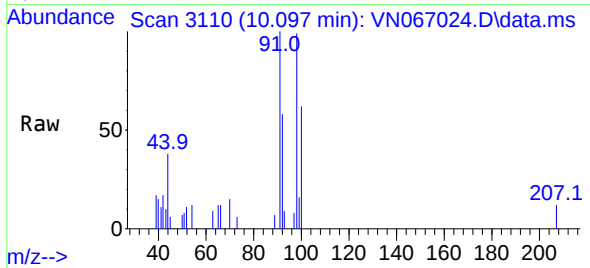
#62
Toluene
Concen: 0.23 ug/l
RT: 10.097 min Scan# 3110
Delta R.T. 0.003 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

Tgt Ion: 91 Resp: 4658
Ion Ratio Lower Upper
91 100
92 54.5 46.2 69.2

Instrument :
MSVOA_N
ClientSampleId :
IBLK

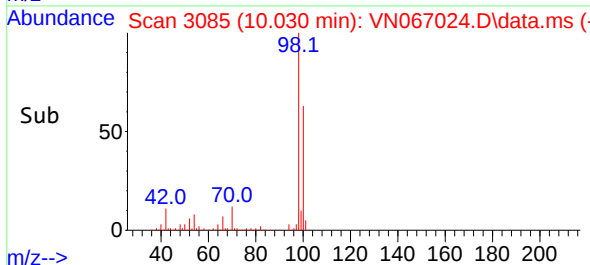
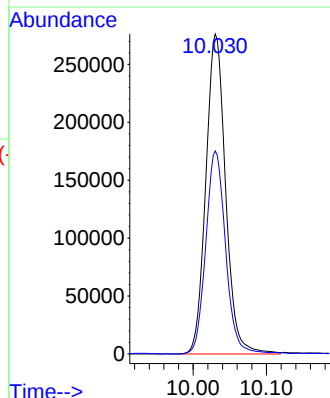
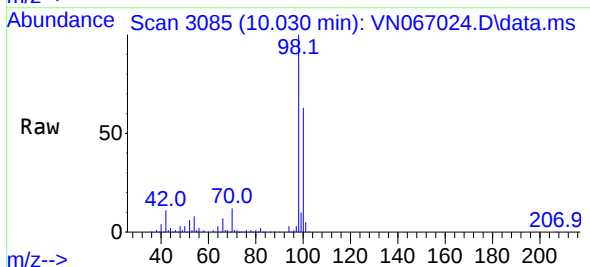
Manual Integrations
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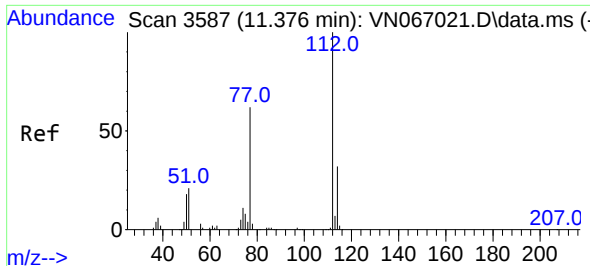
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#63
Toluene-d8
Concen: 32.10 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

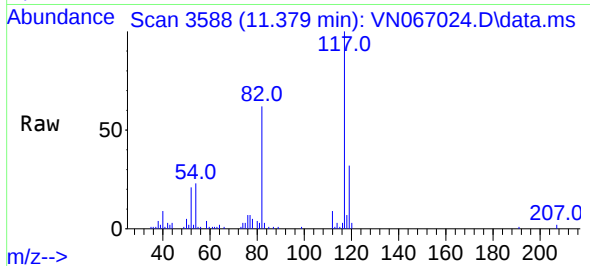
Tgt Ion: 98 Resp: 518447
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7





#64
Chlorobenzene
Concen: 0.36 ug/l
RT: 11.379 min Scan# 3588
Delta R.T. 0.003 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

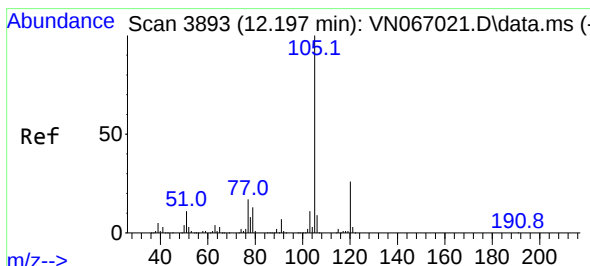
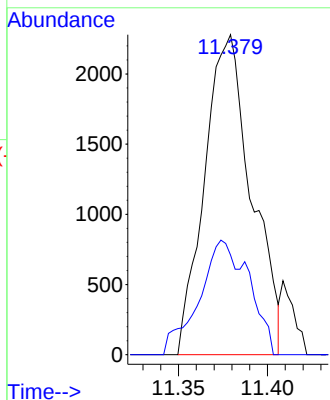
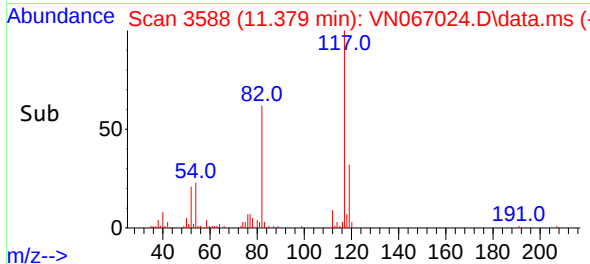
Instrument :
MSVOA_N
ClientSampleId :
IBLK



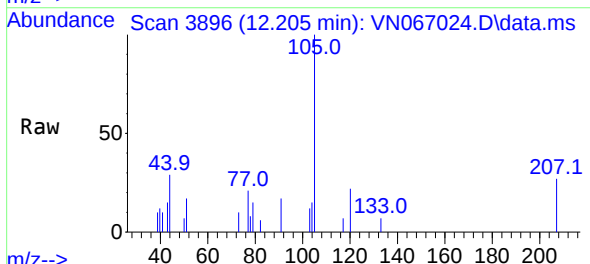
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Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8

Manual Integrations
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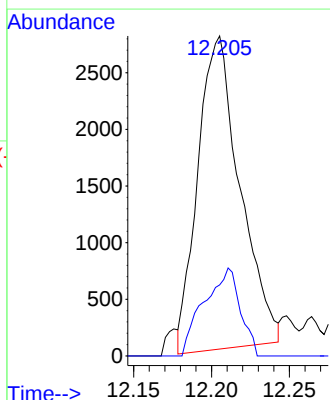
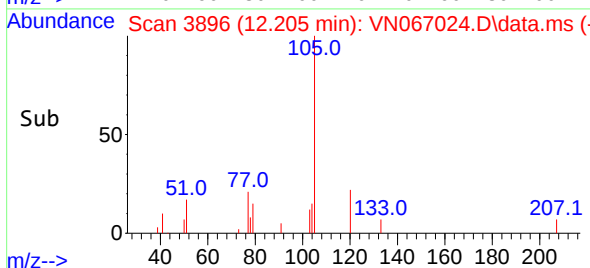
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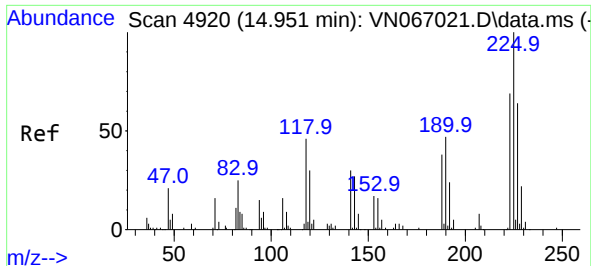


#70
Isopropylbenzene
Concen: 0.27 ug/l
RT: 12.205 min Scan# 3896
Delta R.T. 0.008 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

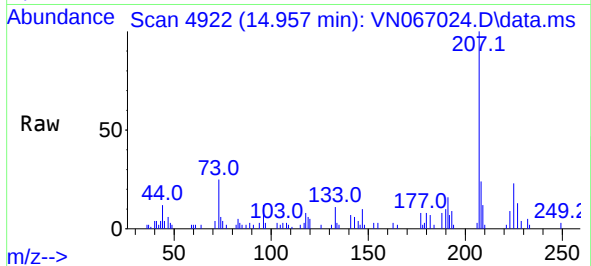


Tgt Ion:105 Resp: 5212
Ion Ratio Lower Upper
105 100
120 24.0 18.2 33.8

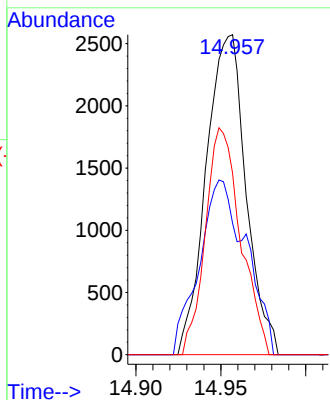
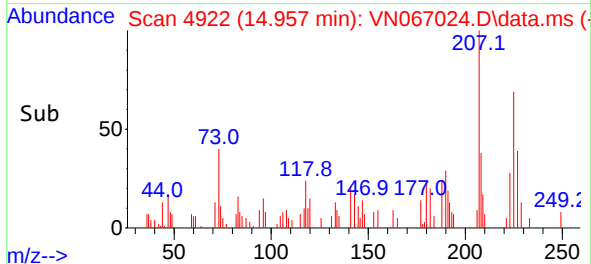




#90
Hexachlorobutadiene
Concen: 1.51 ug/l
RT: 14.957 min Scan# 4922
Delta R.T. 0.006 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12



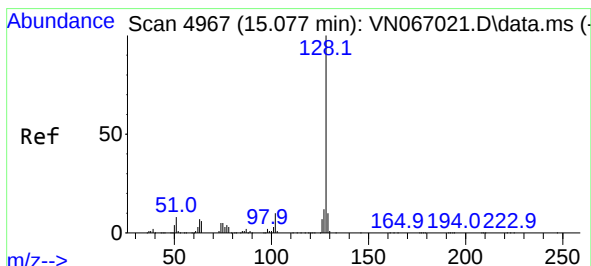
Tgt Ion:225 Resp: 4195
Ion Ratio Lower Upper
225 100
223 47.4 0.0 137.2
227 62.8 0.0 127.8



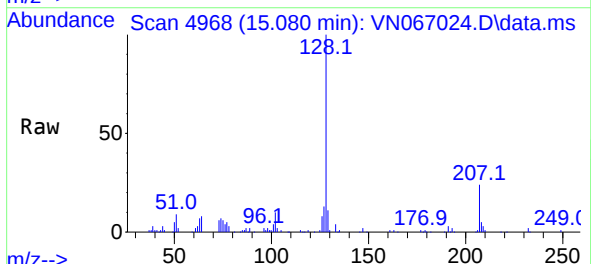
Instrument :
MSVOA_N
ClientSampled :
IBLK

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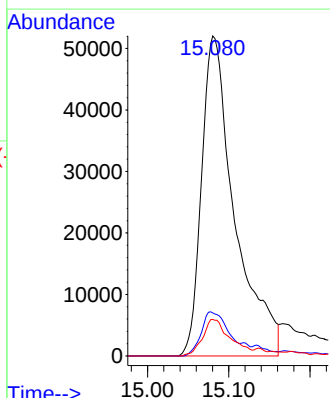
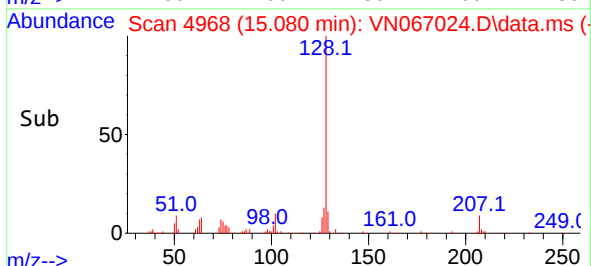
MMDadoda
5/7/2021 6:23:34 PM

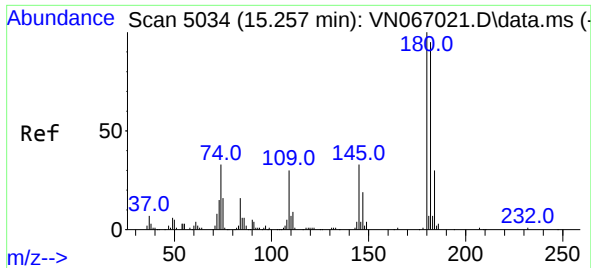


#91
Naphthalene
Concen: 13.03 ug/l
RT: 15.080 min Scan# 4968
Delta R.T. 0.003 min
Lab File: VN067024.D
Acq: 6 May 2021 21:12

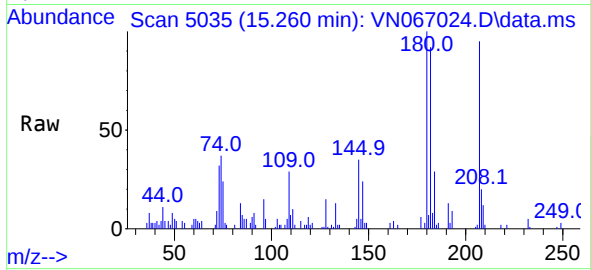


Tgt Ion:128 Resp: 147022
Ion Ratio Lower Upper
128 100
127 11.0 9.8 14.6
129 9.6 7.8 11.8

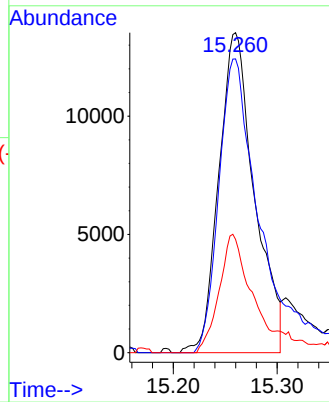
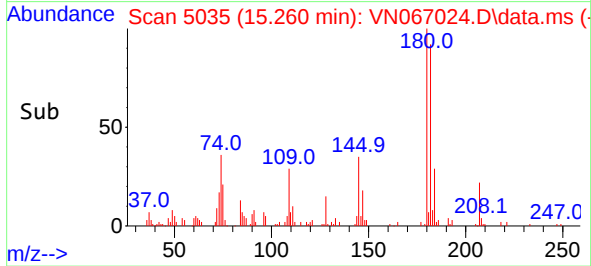




#92
 1,2,3-Trichlorobenzene
 Concen: 7.47 ug/l
 RT: 15.260 min Scan# 5035
 Delta R.T. 0.003 min
 Lab File: VN067024.D
 Acq: 6 May 2021 21:12



Tgt Ion:	180	Resp:	32180
Ion Ratio	Lower	Upper	
180	100		
182	102.2	0.0	184.4
145	33.1	0.0	67.6



Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Manual Integrations
 APPROVED

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