

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069847.D
 Acq On : 8 Dec 2021 6:14
 Operator : JC/MD
 Sample : M4953-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 A377

Quant Time: Dec 08 06:41:09 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 12/08/2021
 Supervised By : Amit Patel 12/14/2021

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1256019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2252714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2362269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	882597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	958628	49.432	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	98.860%	
35) Dibromofluoromethane	8.021	113	661139	46.854	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	93.700%	
50) Toluene-d8	10.440	98	2896094	51.115	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	102.240%	
62) 4-Bromofluorobenzene	12.731	95	1089190	53.064	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	106.120%	
Target Compounds						
						Qvalue
3) Chloromethane	2.306	50	4155	0.226	ug/l #	88
16) Acetone	4.293	43	40478	3.470	ug/l #	88
30) Chloroform	7.817	83	72435	2.628	ug/l	93
44) Trichloroethene	9.217	130	4894	0.313	ug/l	98
47) Bromodichloromethane	9.759	83	10984	0.503	ug/l	99
60) Dibromochloromethane	11.240	129	3784	2.585	ug/l	95
68) m/p-Xylenes	11.953	106	7761	0.245	ug/l	79
74) N-amyl acetate	12.393	43	21739m	0.626	ug/l	
77) Bromobenzene	12.865	156	4948	0.268	ug/l	77
78) n-propylbenzene	12.918	91	20412	0.234	ug/l	100
84) 1,2,4-Trimethylbenzene	13.366	105	14422	0.240	ug/l	100
86) p-Isopropyltoluene	13.616	119	15054	0.254	ug/l	90
87) 1,3-Dichlorobenzene	13.616	146	12753	0.421	ug/l	91
88) 1,4-Dichlorobenzene	13.694	146	18520m	0.622	ug/l	
89) n-Butylbenzene	13.946	91	27426	0.570	ug/l	96
91) 1,2-Dichlorobenzene	13.986	146	14057	0.476	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.608	75	3498	0.713	ug/l	67
93) 1,2,4-Trichlorobenzene	15.262	180	21160	4.255	ug/l	96
94) Hexachlorobutadiene	15.364	225	2994	0.383	ug/l	74
95) Naphthalene	15.507	128	92167	5.952	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	26634	4.231	ug/l	98

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

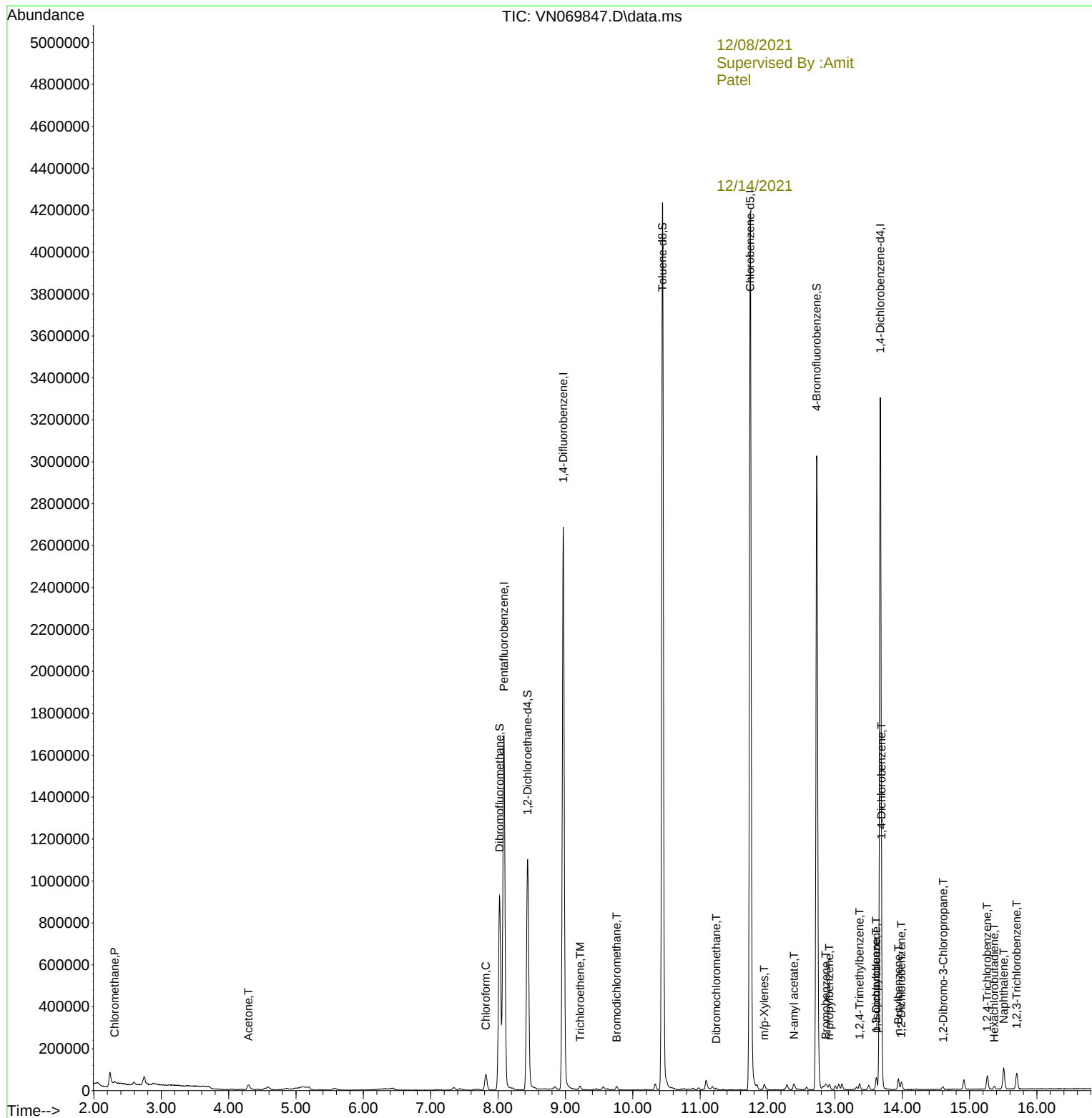
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Data File : VN069847.D
Acq On : 8 Dec 2021 6:14
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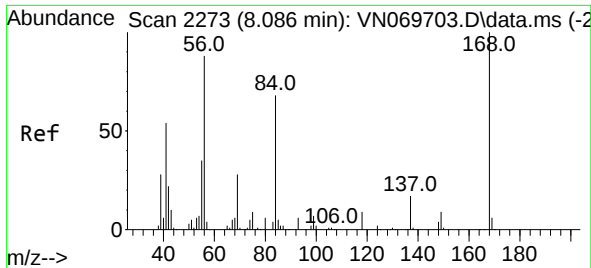
Instrument :
MSVOA_N
ClientSampleId :
A377

Quant Time: Dec 08 06:41:09 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

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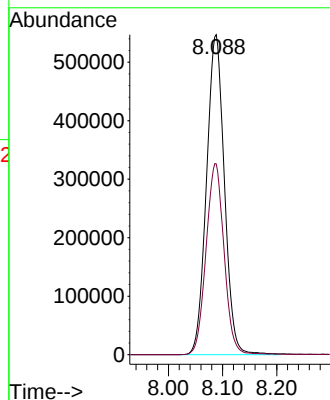
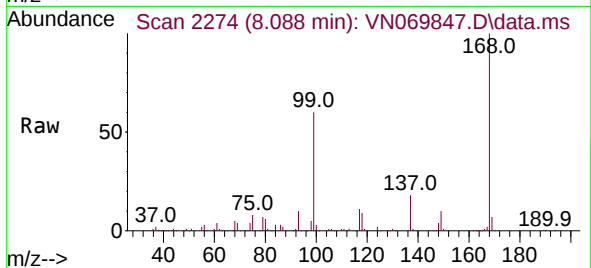
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

Instrument :
MSVOA_N
ClientSampleId :
A377

Tgt Ion:168 Resp: 1256019
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9

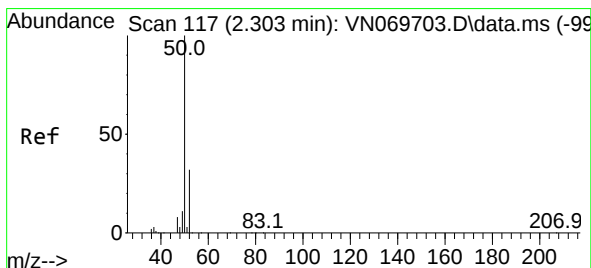
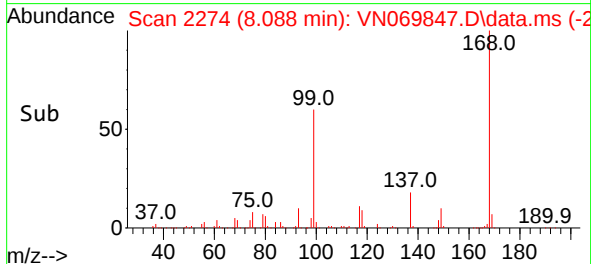
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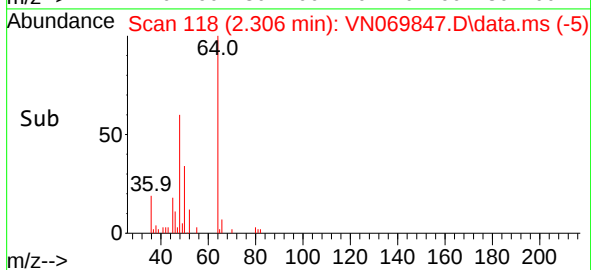
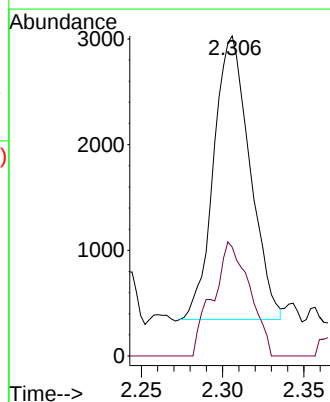
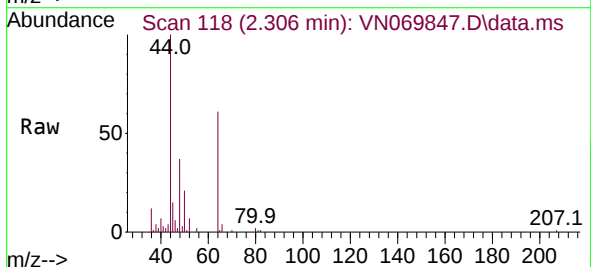
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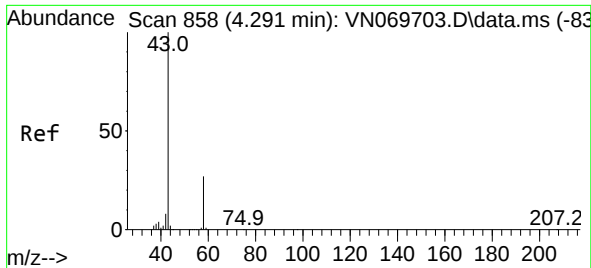
12/14/2021



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

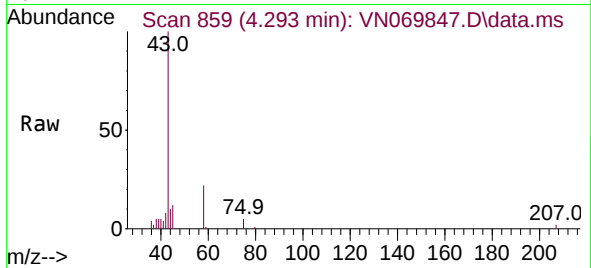
Tgt Ion: 50 Resp: 4155
Ion Ratio Lower Upper
50 100
52 38.4 25.4 38.0#





#16
Acetone
Concen: 3.470 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

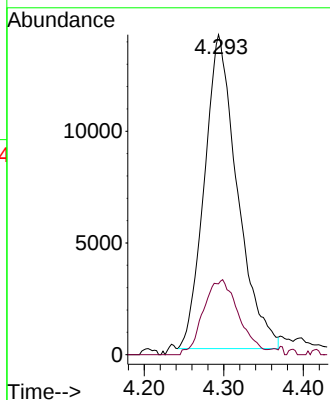
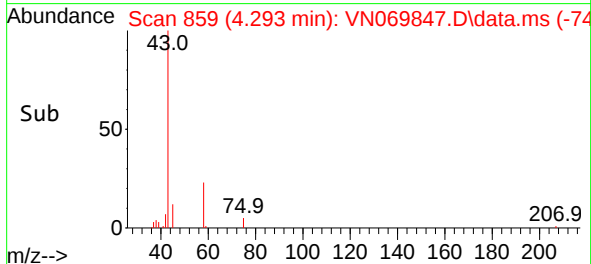
Instrument :
MSVOA_N
ClientSampleId :
A377



Tgt Ion: 43 Resp: 40478
Ion Ratio Lower Upper
43 100
58 22.6 23.1 34.7

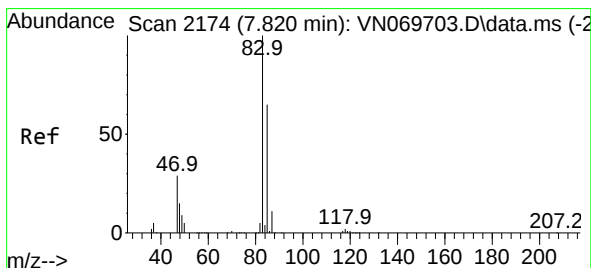
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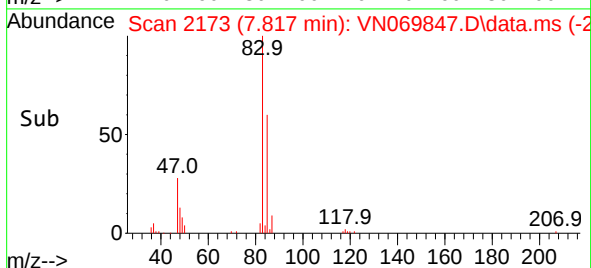
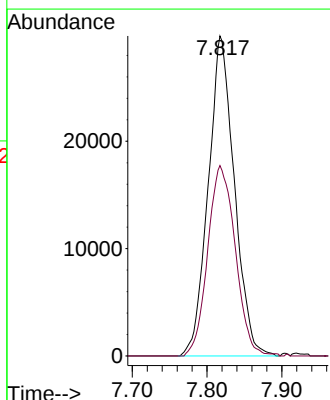
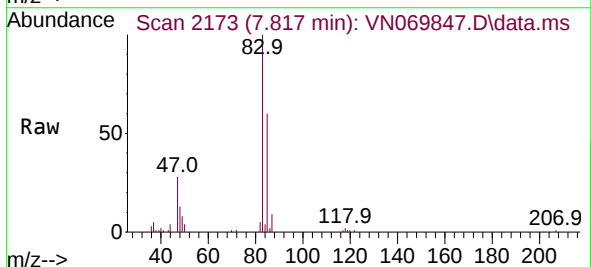
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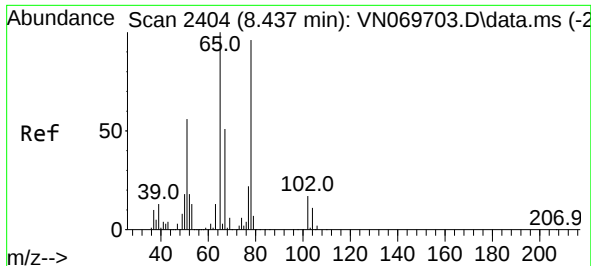
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#30
Chloroform
Concen: 2.628 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

Tgt Ion: 83 Resp: 72435
Ion Ratio Lower Upper
83 100
85 59.5 51.9 77.9





#33

1,2-Dichloroethane-d4

Concen: 49.432 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069847.D

Acq: 8 Dec 2021 6:14

Instrument :

MSVOA_N

ClientSampleId :

A377

Tgt Ion: 65 Resp: 958628

Ion Ratio Lower Upper

65 100

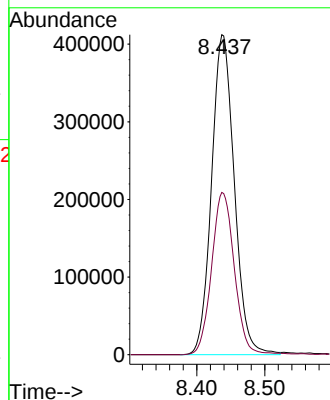
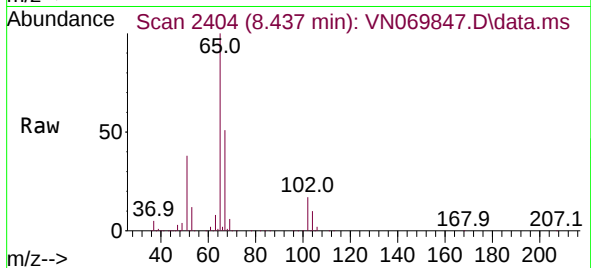
67 50.8 0.0 103.0

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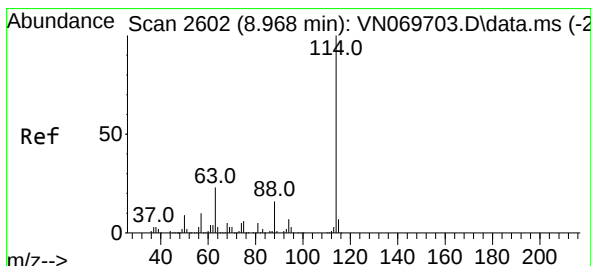
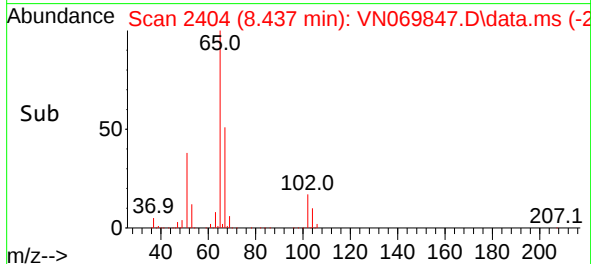
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069847.D

Acq: 8 Dec 2021 6:14

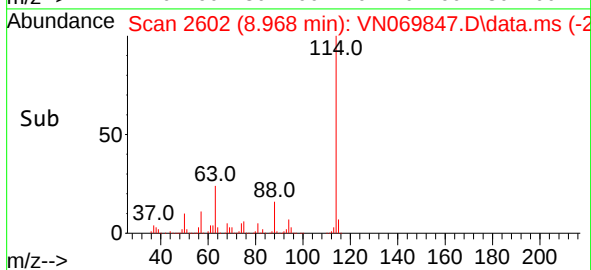
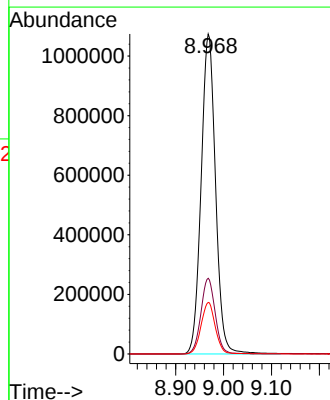
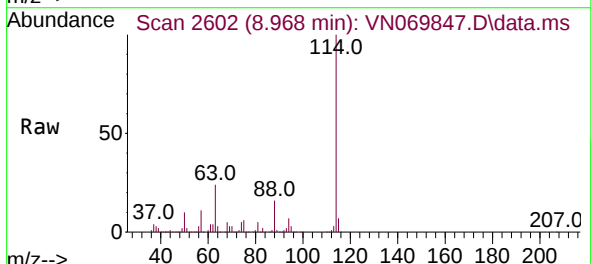
Tgt Ion:114 Resp: 2252714

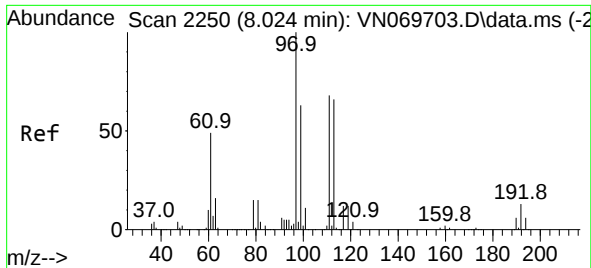
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

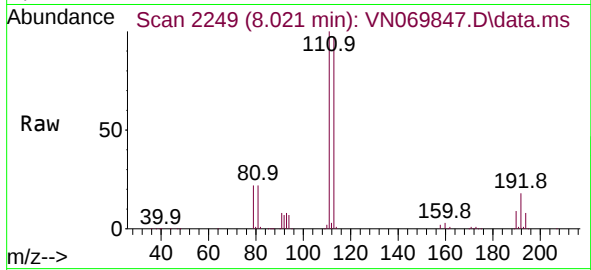
88 16.1 0.0 27.4





#35
Dibromofluoromethane
Concen: 46.854 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

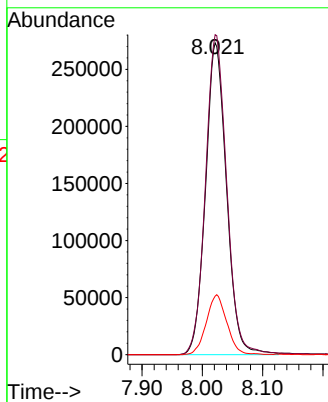
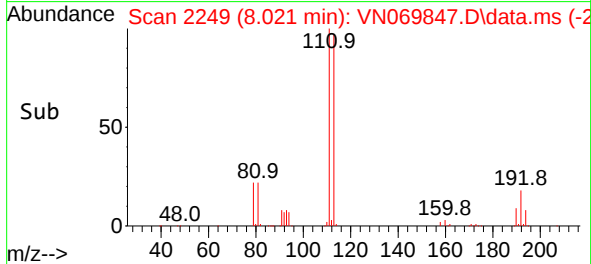
Instrument : MSVOA_N
Client SampleId : A377



Tgt Ion:113 Resp: 661139
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.2
192 18.8 16.9 25.3

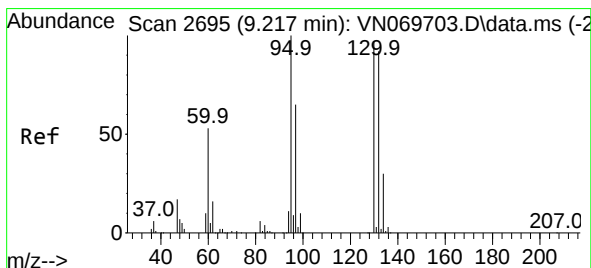
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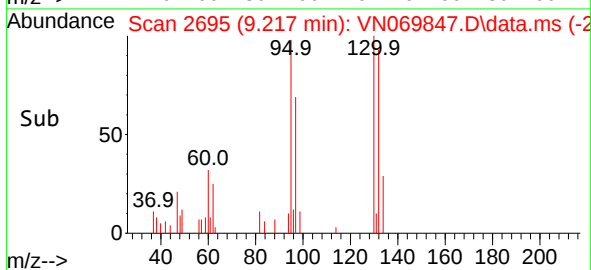
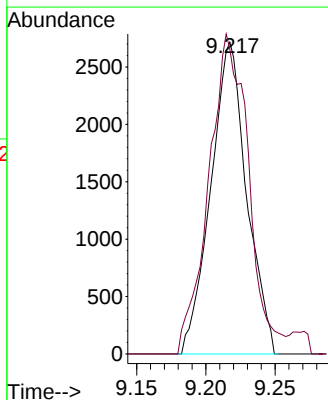
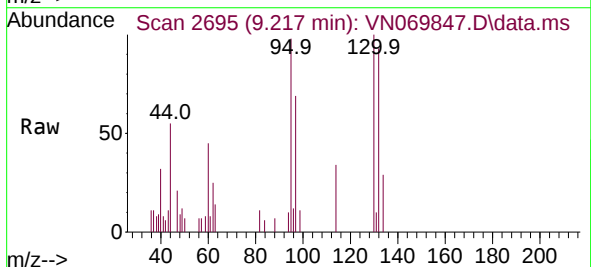
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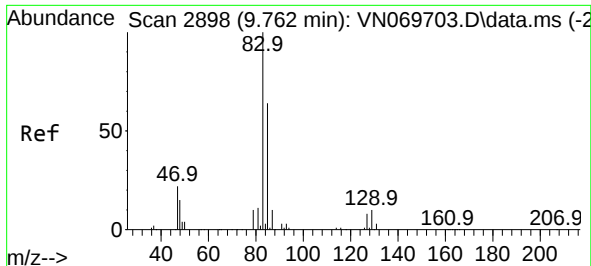
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#44
Trichloroethene
Concen: 0.313 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

Tgt Ion:130 Resp: 4894
Ion Ratio Lower Upper
130 100
95 97.8 0.0 191.2





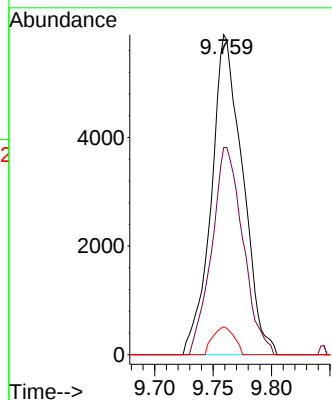
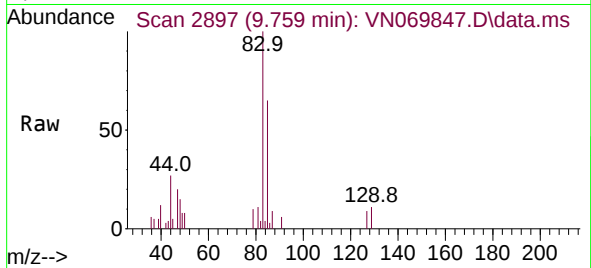
#47
Bromodichloromethane
Concen: 0.503 ug/l
RT: 9.759 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

Instrument :
MSVOA_N
ClientSampleId :
A377

Tgt Ion: 83 Resp: 10984
Ion Ratio Lower Upper
83 100
85 64.7 50.9 76.3
127 8.7 7.1 10.7

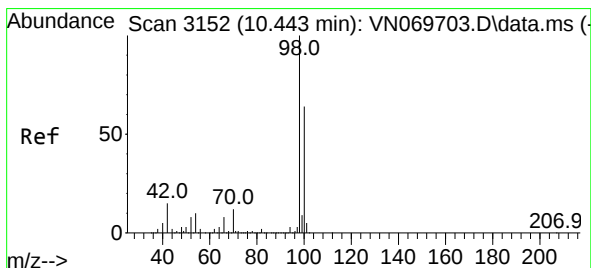
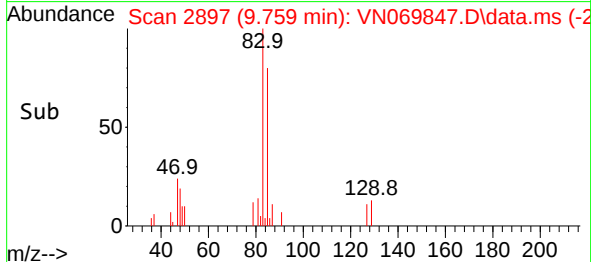
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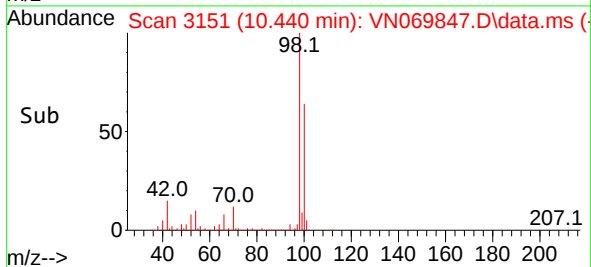
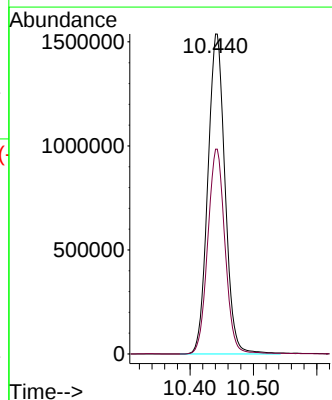
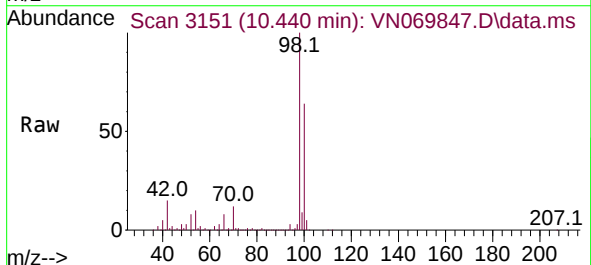
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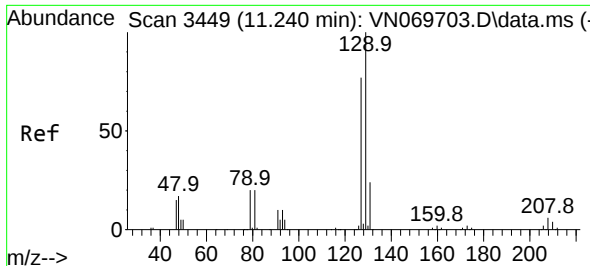
12/14/2021



#50
Toluene-d8
Concen: 51.115 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

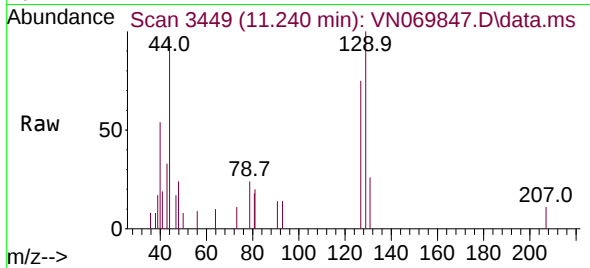
Tgt Ion: 98 Resp: 2896094
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6





#60
Dibromochloromethane
Concen: 2.585 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

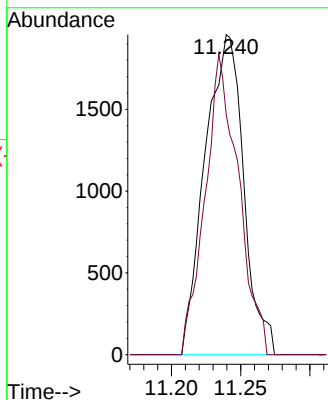
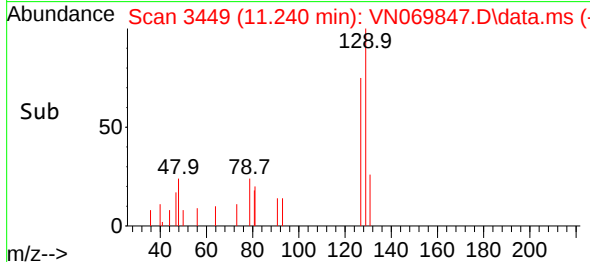
Instrument : MSVOA_N
ClientSampleId : A377



Tgt Ion:129 Resp: 3784
Ion Ratio Lower Upper
129 100
127 81.4 38.6 116.0

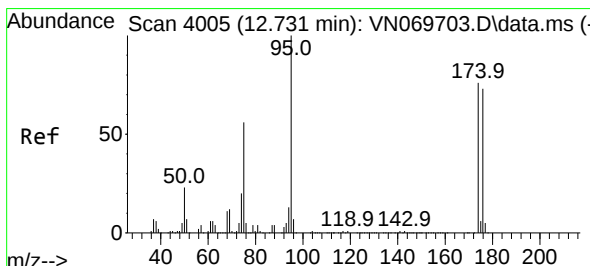
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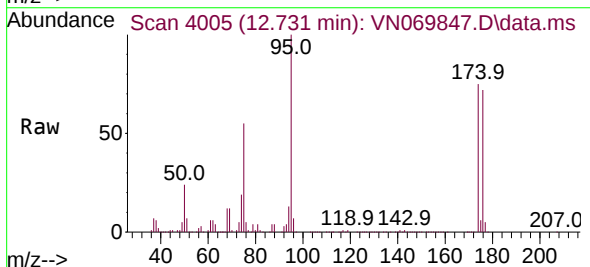


12/08/2021
Supervised By :Amit Patel

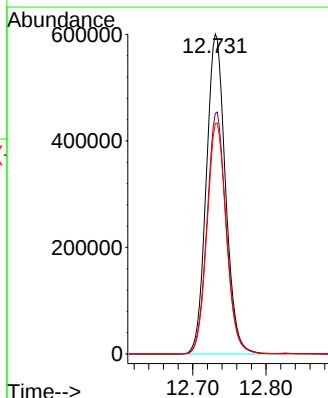
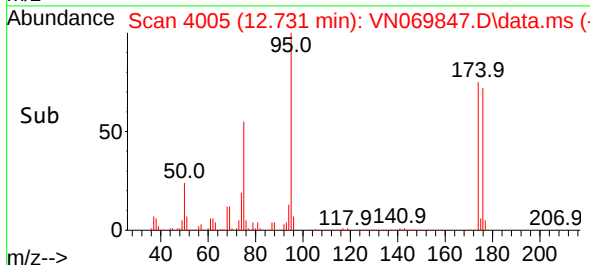
12/14/2021

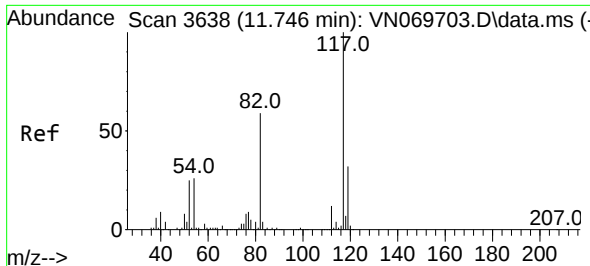


#62
4-Bromofluorobenzene
Concen: 53.064 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14



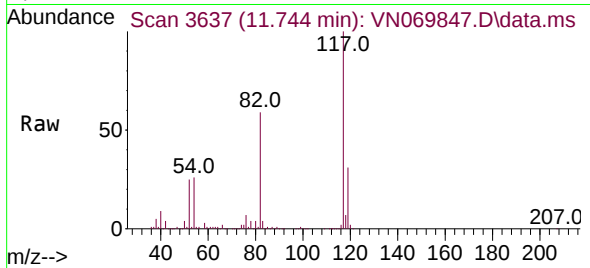
Tgt Ion: 95 Resp: 1089190
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 72.8 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

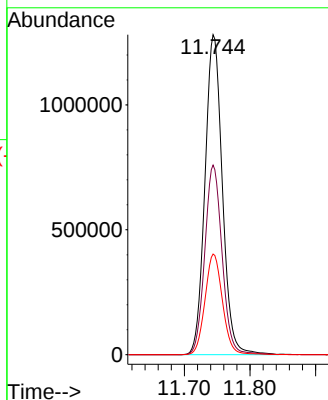
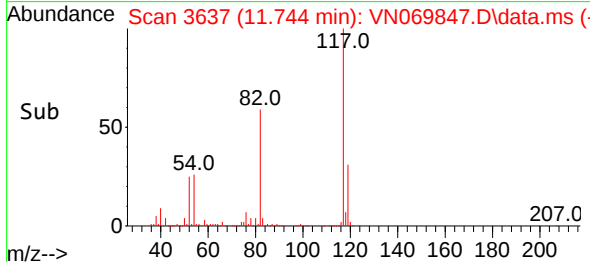
Instrument :
MSVOA_N
ClientSampleId :
A377



Tgt Ion:117 Resp: 2362269
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 31.4 25.4 38.2

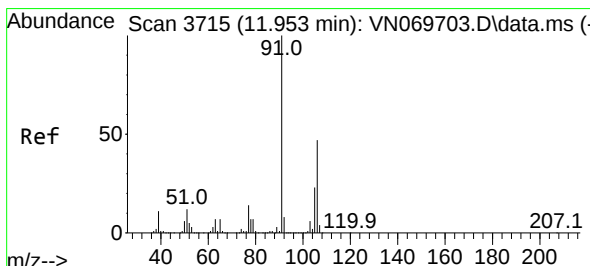
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Supervised By :Amit Patel 12/14/2021



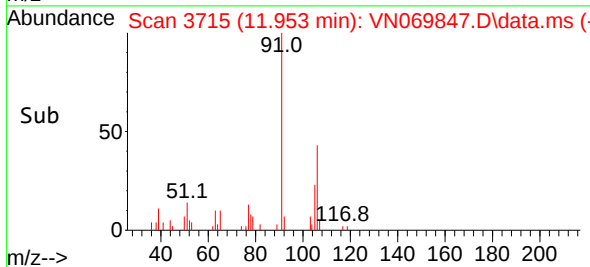
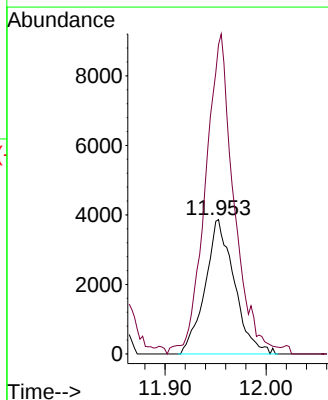
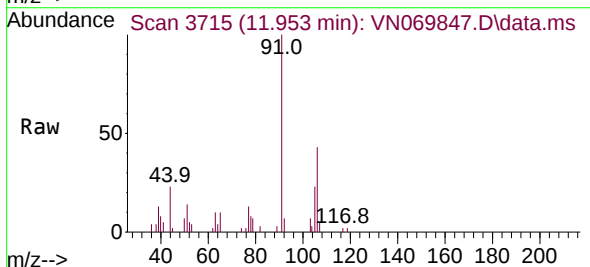
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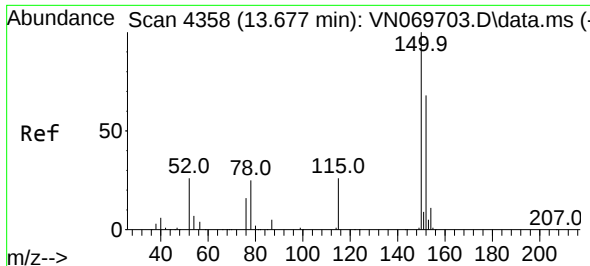
12/14/2021



#68
m/p-Xylenes
Concen: 0.245 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

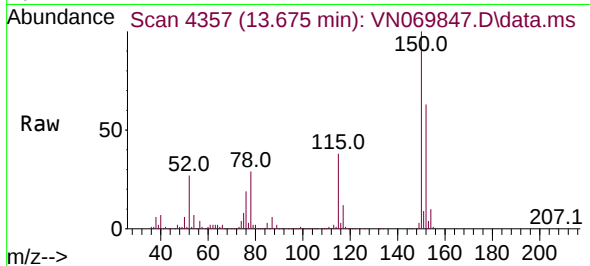
Tgt Ion:106 Resp: 7761
Ion Ratio Lower Upper
106 100
91 233.3 160.6 240.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

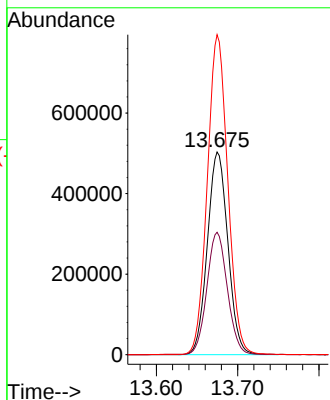
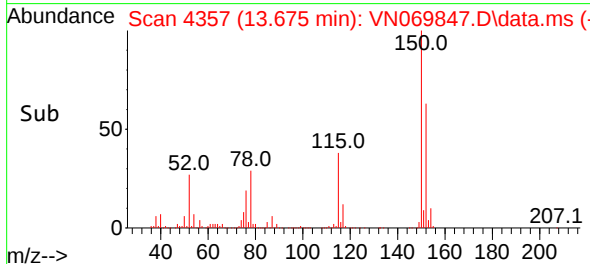
Instrument :
MSVOA_N
ClientSampleId :
A377



Tgt Ion:152 Resp: 88259
Ion Ratio Lower Upper
152 100
115 59.9 27.5 82.5
150 157.2 0.0 344.4

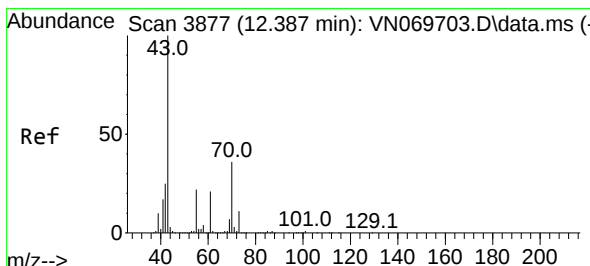
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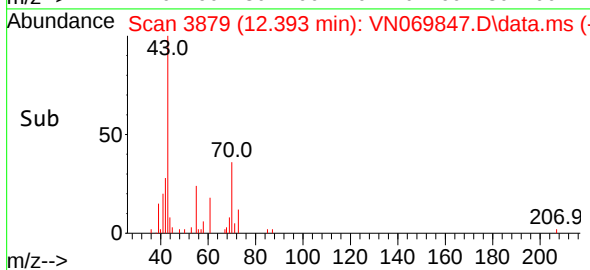
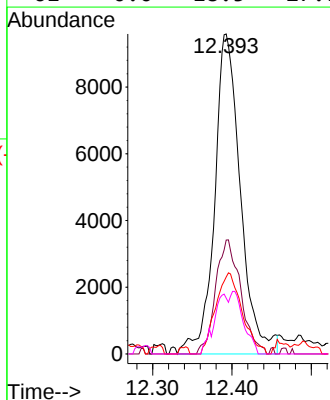
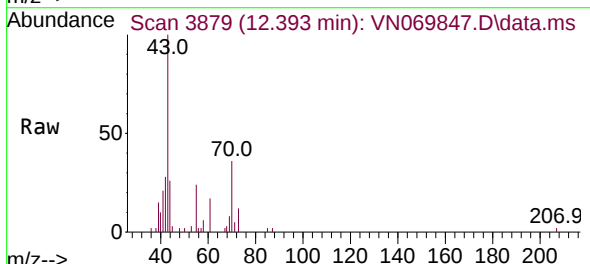
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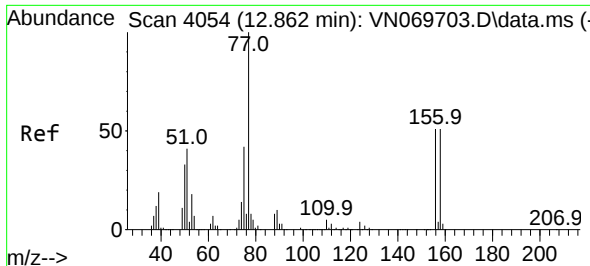
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#74
N-ethyl acetate
Concen: 0.626 ug/l m
RT: 12.393 min Scan# 3879
Delta R.T. 0.005 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

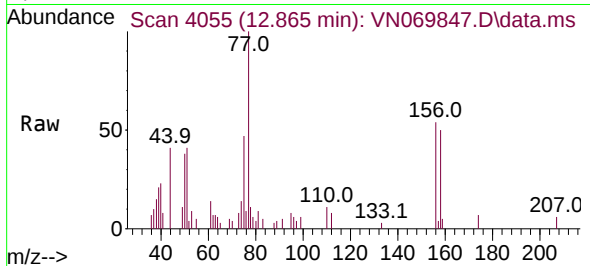
Tgt Ion: 43 Resp: 21739
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.0#
55 0.0 19.3 28.9#
61 0.0 18.5 27.7#





#77
Bromobenzene
Concen: 0.268 ug/l
RT: 12.865 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

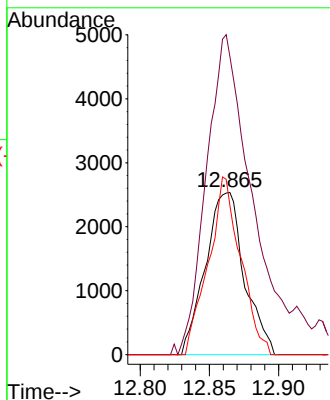
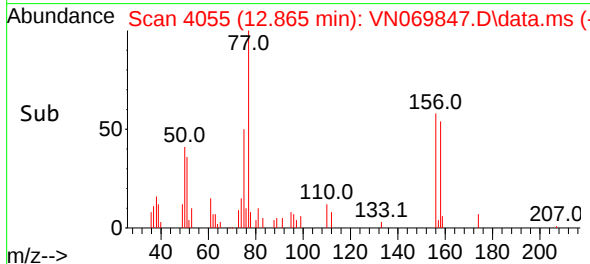
Instrument :
MSVOA_N
ClientSampleId :
A377



Tgt Ion:156 Resp: 4948
Ion Ratio Lower Upper
156 100
77 226.7 90.6 271.8
158 91.1 48.9 146.7

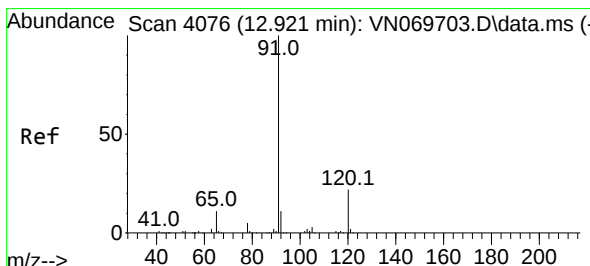
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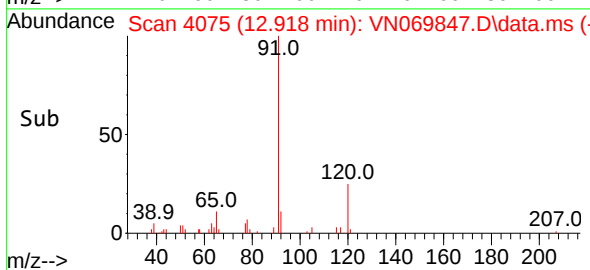
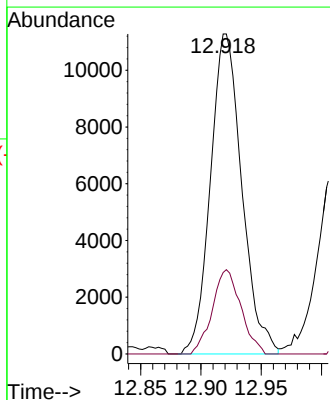
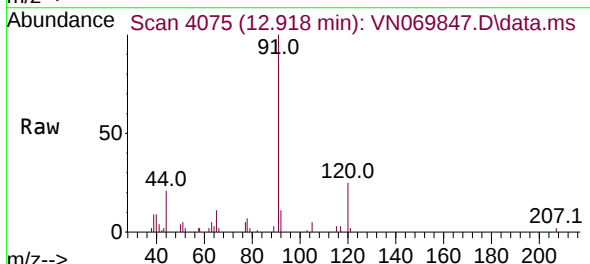
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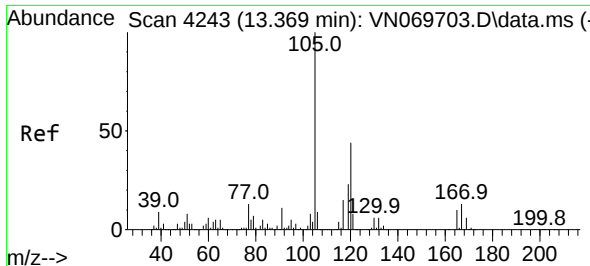
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#78
n-propylbenzene
Concen: 0.234 ug/l
RT: 12.918 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

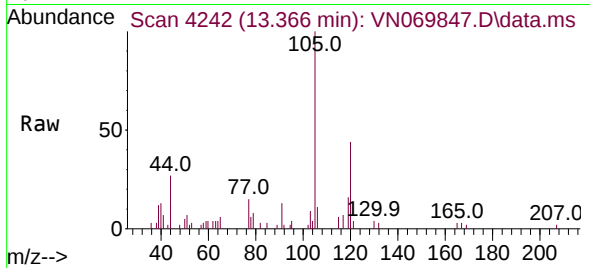
Tgt Ion: 91 Resp: 20412
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.9





#84
1,2,4-Trimethylbenzene
Concen: 0.240 ug/l
RT: 13.366 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

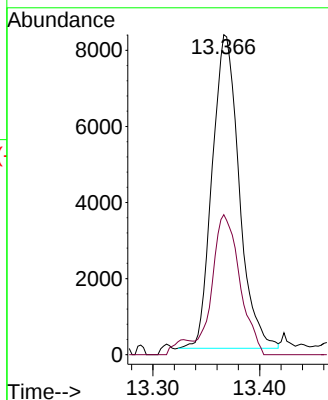
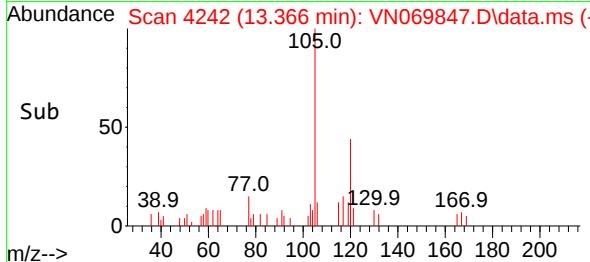
Instrument :
MSVOA_N
ClientSampleId :
A377



Tgt Ion:105 Resp: 1442
Ion Ratio Lower Upper
105 100
120 45.7 22.8 68.4

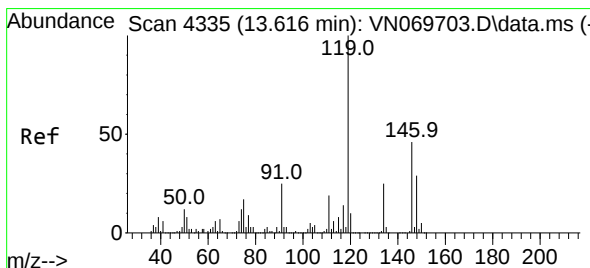
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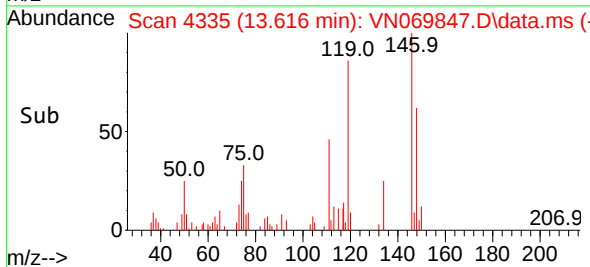
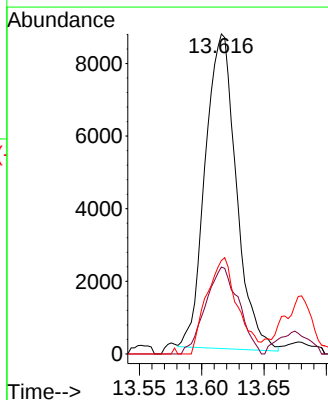
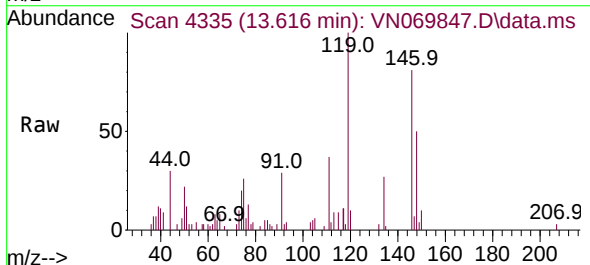
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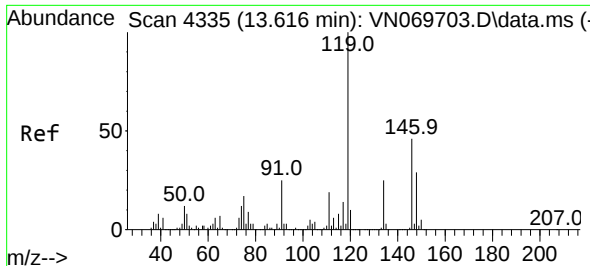
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#86
p-Isopropyltoluene
Concen: 0.254 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

Tgt Ion:119 Resp: 15054
Ion Ratio Lower Upper
119 100
134 29.3 13.6 40.7
91 30.5 11.4 34.1





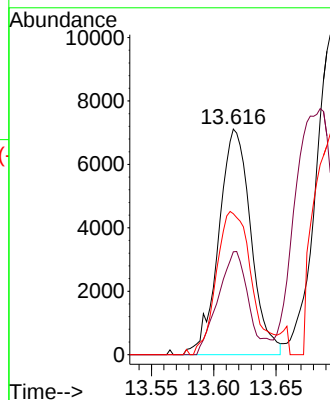
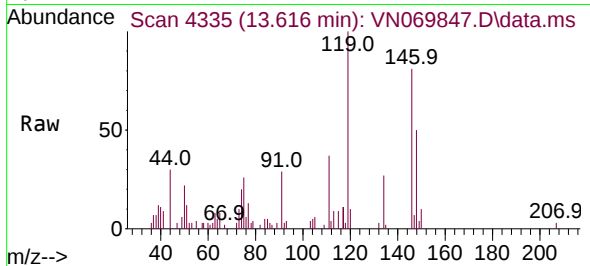
#87
1,3-Dichlorobenzene
Concen: 0.421 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

Instrument :
MSVOA_N
ClientSampleId :
A377

Tgt Ion:146 Resp: 1275
Ion Ratio Lower Upper
146 100
111 44.1 18.6 55.6
148 69.2 31.6 95.0

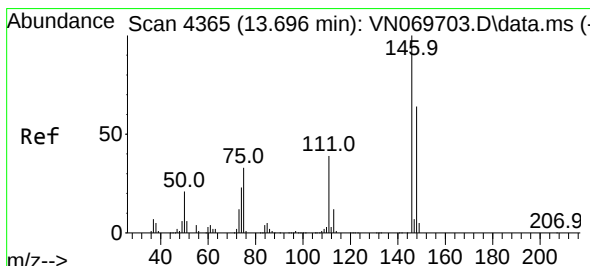
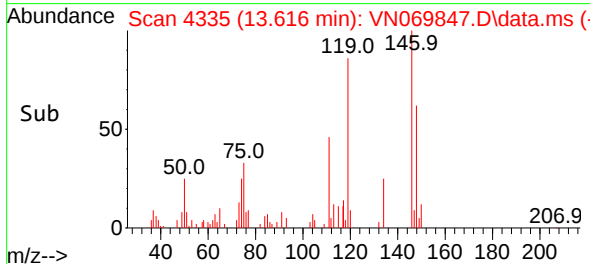
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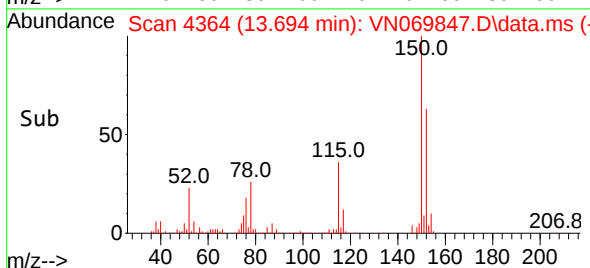
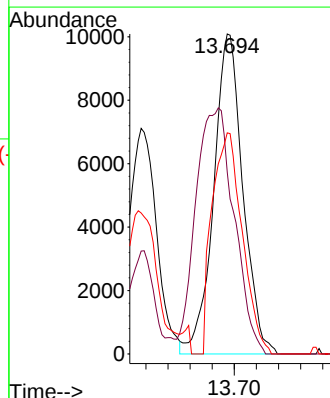
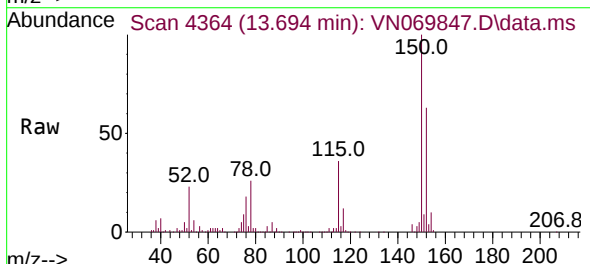
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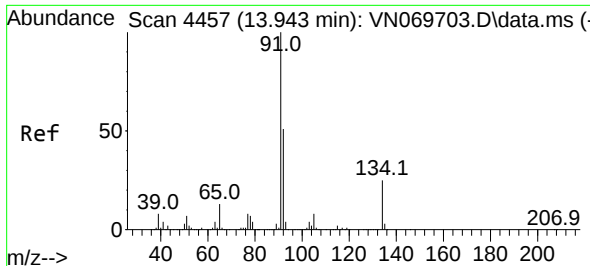
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#88
1,4-Dichlorobenzene
Concen: 0.622 ug/l m
RT: 13.694 min Scan# 4364
Delta R.T. -0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

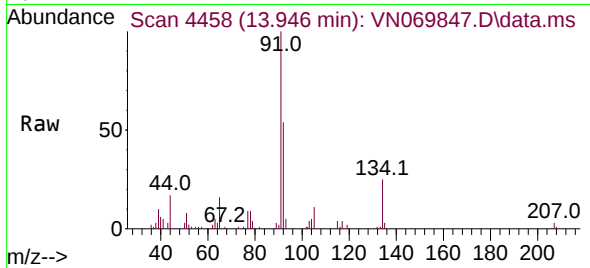
Tgt Ion:146 Resp: 18520
Ion Ratio Lower Upper
146 100
111 30.4 18.3 54.8
148 47.7 31.8 95.4





#89
n-Butylbenzene
Concen: 0.570 ug/l
RT: 13.946 min Scan# 4457
Delta R.T. 0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

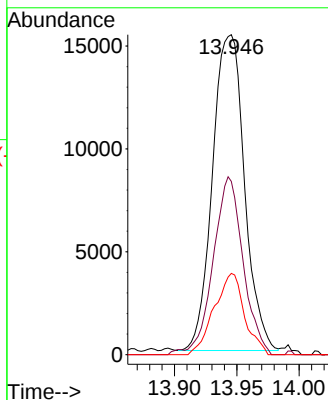
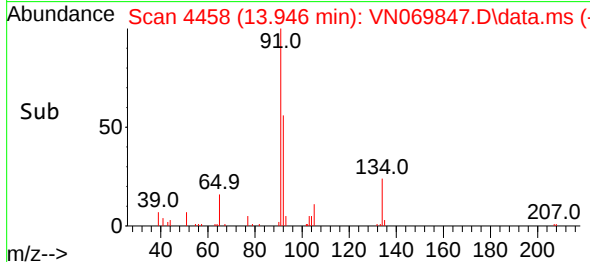
Instrument :
MSVOA_N
ClientSampleId :
A377



Tgt Ion: 91 Resp: 27420
Ion Ratio Lower Upper
91 100
92 52.7 25.4 76.0
134 24.3 13.6 40.8

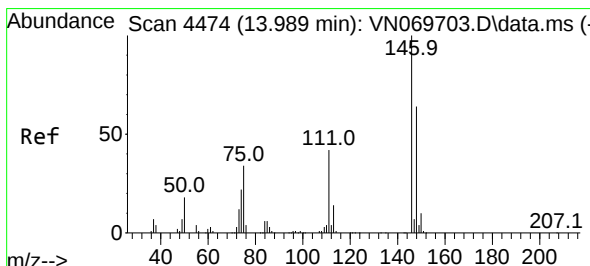
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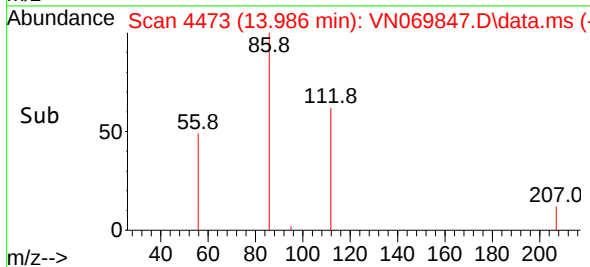
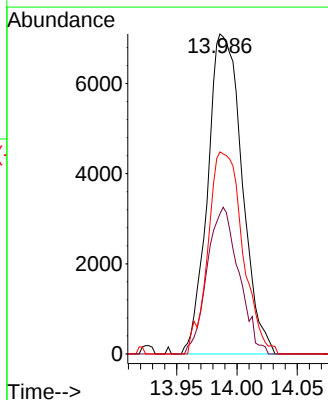
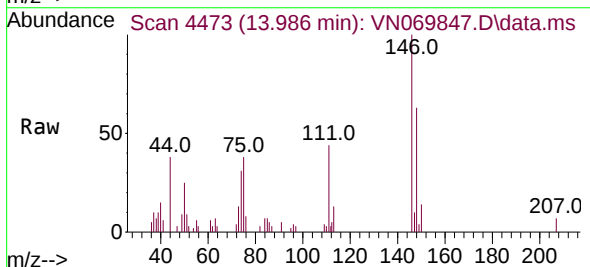
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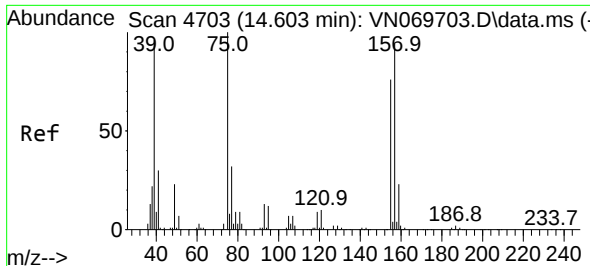
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#91
1,2-Dichlorobenzene
Concen: 0.476 ug/l
RT: 13.986 min Scan# 4473
Delta R.T. -0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

Tgt Ion:146 Resp: 14057
Ion Ratio Lower Upper
146 100
111 42.4 19.1 57.3
148 63.6 32.1 96.3





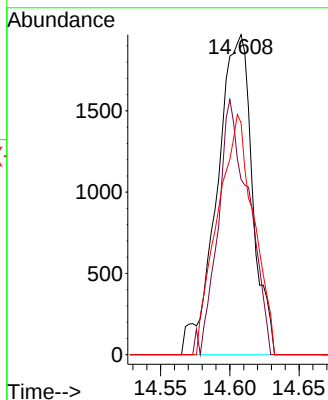
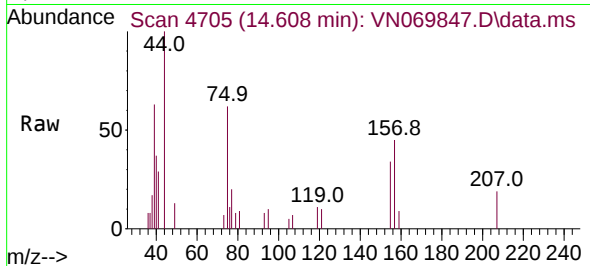
#92
1,2-Dibromo-3-Chloropropane
Concen: 0.713 ug/l
RT: 14.608 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

Instrument :
MSVOA_N
ClientSampleId :
A377

Tgt Ion: 75 Resp: 3498
Ion Ratio Lower Upper
75 100
155 69.6 46.9 140.7
157 76.4 60.6 181.7

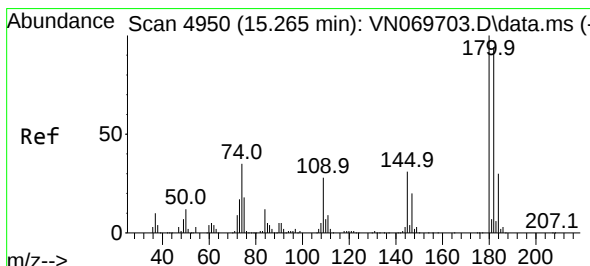
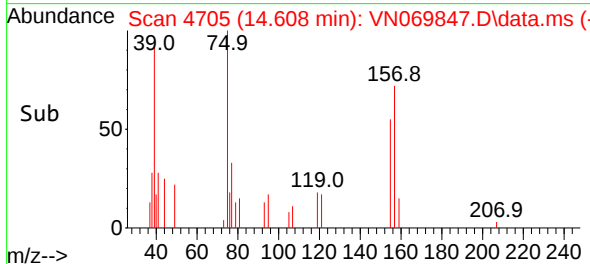
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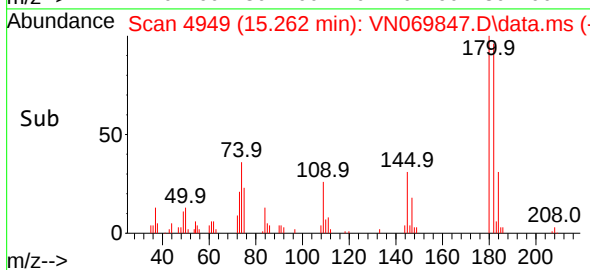
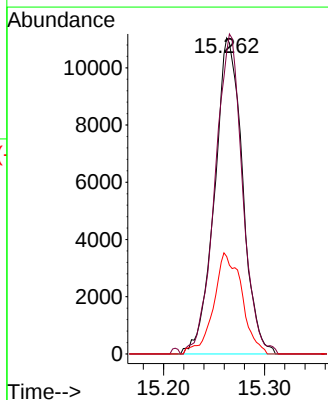
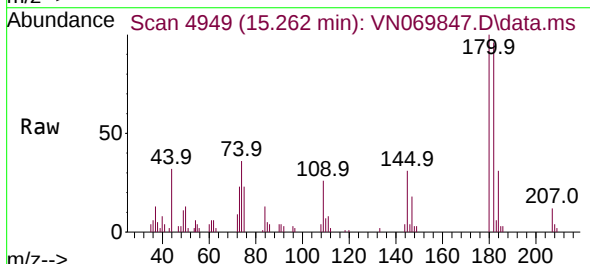
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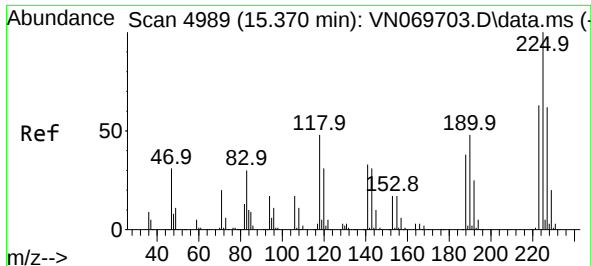
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#93
1,2,4-Trichlorobenzene
Concen: 4.255 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

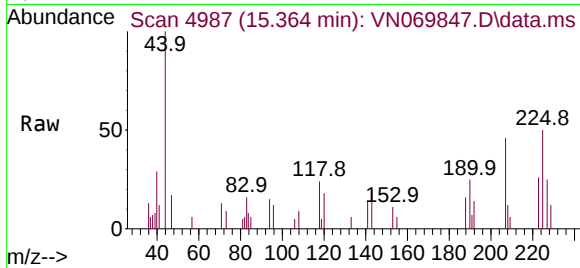
Tgt Ion:180 Resp: 21160
Ion Ratio Lower Upper
180 100
182 99.8 48.3 144.9
145 32.4 14.5 43.5





#94
Hexachlorobutadiene
Concen: 0.383 ug/l
RT: 15.364 min Scan# 4989
Delta R.T. -0.005 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

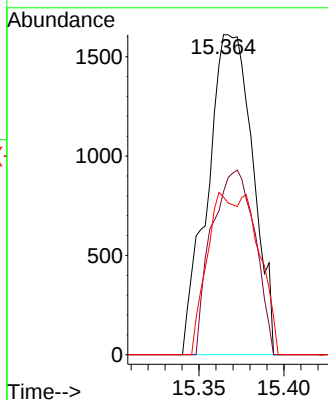
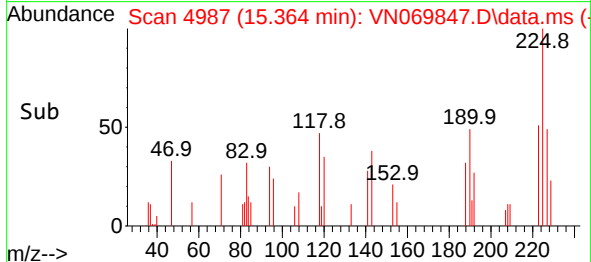
Instrument :
MSVOA_N
ClientSampleId :
A377



Tgt Ion:225 Resp: 2994
Ion Ratio Lower Upper
225 100
223 55.0 31.9 95.7
227 32.9 32.1 96.3

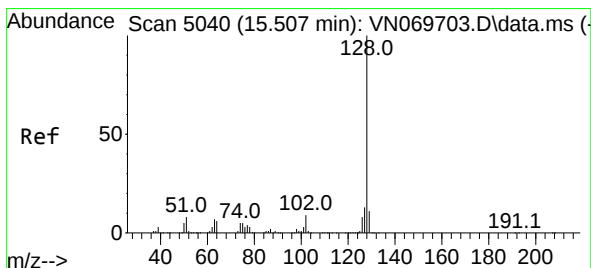
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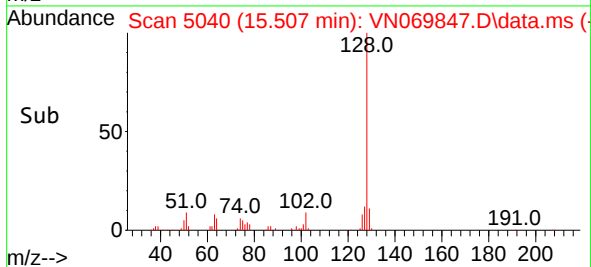
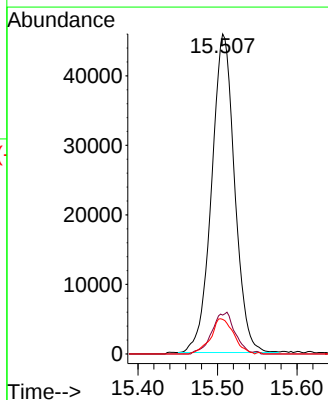
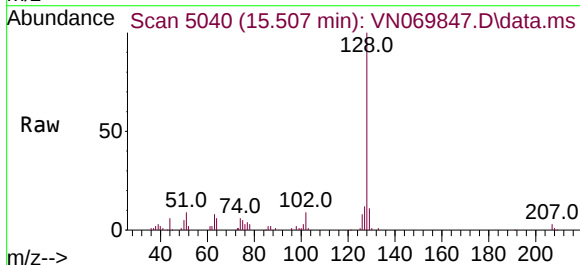
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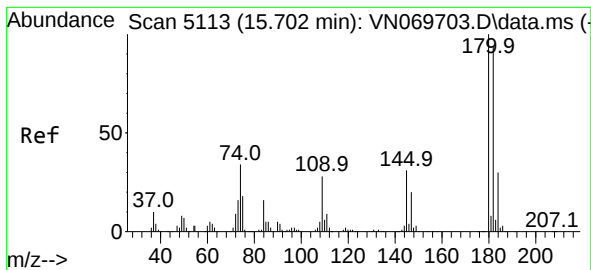
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#95
Naphthalene
Concen: 5.952 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069847.D
Acq: 8 Dec 2021 6:14

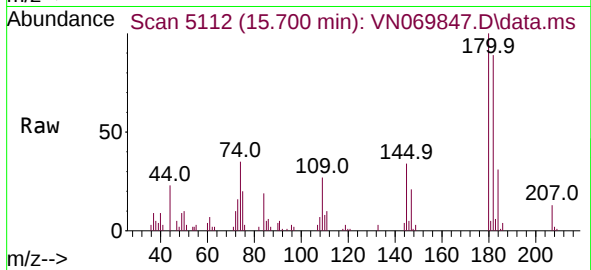
Tgt Ion:128 Resp: 92167
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 4.231 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.002 min
 Lab File: VN069847.D
 Acq: 8 Dec 2021 6:14

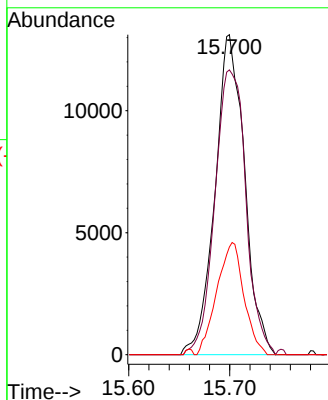
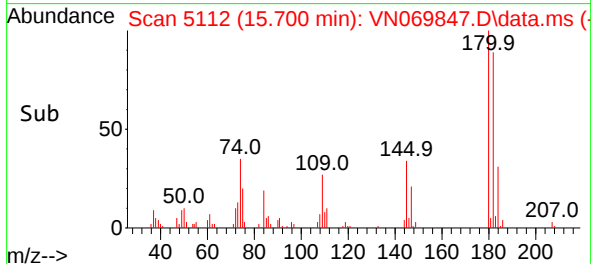
Instrument :
 MSVOA_N
 ClientSampleId :
 A377



Tgt Ion:180 Resp: 26634
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.4 142.2
 145 32.2 15.0 45.1

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