

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091621\
 Data File : VN068503.D
 Acq On : 16 Sep 2021 18:45
 Operator : JC/MD
 Sample : M3759-11DL 4X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31208DL

Manual Integrations
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Quant Time: Sep 17 02:02:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 10 04:04:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	721670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	948550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	805049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	334896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	289399	43.717	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 87.440%			
35) Dibromofluoromethane	8.024	113	287005	50.167	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.340%			
50) Toluene-d8	10.443	98	1060264	51.020	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.040%			
62) 4-Bromofluorobenzene	12.733	95	308575	46.404	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.800%			
Target Compounds					Qvalue	
16) Acetone	4.288	43	324147	147.970	ug/l #	1
25) 2-Butanone	7.348	43	14236	4.425	ug/l	89
40) Benzene	8.458	78	13197	0.564	ug/l	97
52) Toluene	10.507	92	820994	52.860	ug/l	100
67) Ethyl Benzene	11.846	91	82079	3.032	ug/l	96
68) m/p-Xylenes	11.953	106	146259	13.419	ug/l	98
69) o-Xylene	12.283	106	51183	4.820	ug/l	97
73) Isopropylbenzene	12.578	105	8688	0.365	ug/l	98
78) n-propylbenzene	12.921	91	21101	0.839	ug/l	98
80) 1,3,5-Trimethylbenzene	13.061	105	28643	1.480	ug/l	100
82) 4-Chlorotoluene	13.104	91	6243	0.417	ug/l	94
84) 1,2,4-Trimethylbenzene	13.372	105	53013	2.856	ug/l	97
85) sec-Butylbenzene	13.503	105	7331	0.315	ug/l	97
86) p-Isopropyltoluene	13.619	119	8182	0.416	ug/l	93
87) 1,3-Dichlorobenzene	13.619	146	5962	0.521	ug/l	95
88) 1,4-Dichlorobenzene	13.696	146	7398m	0.657	ug/l	
89) n-Butylbenzene	13.943	91	13628	0.951	ug/l	100
91) 1,2-Dichlorobenzene	13.994	146	6609	0.599	ug/l	98
93) 1,2,4-Trichlorobenzene	15.265	180	10819	2.148	ug/l	96
95) Naphthalene	15.512	128	42450	6.474	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	12112	2.519	ug/l	94

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

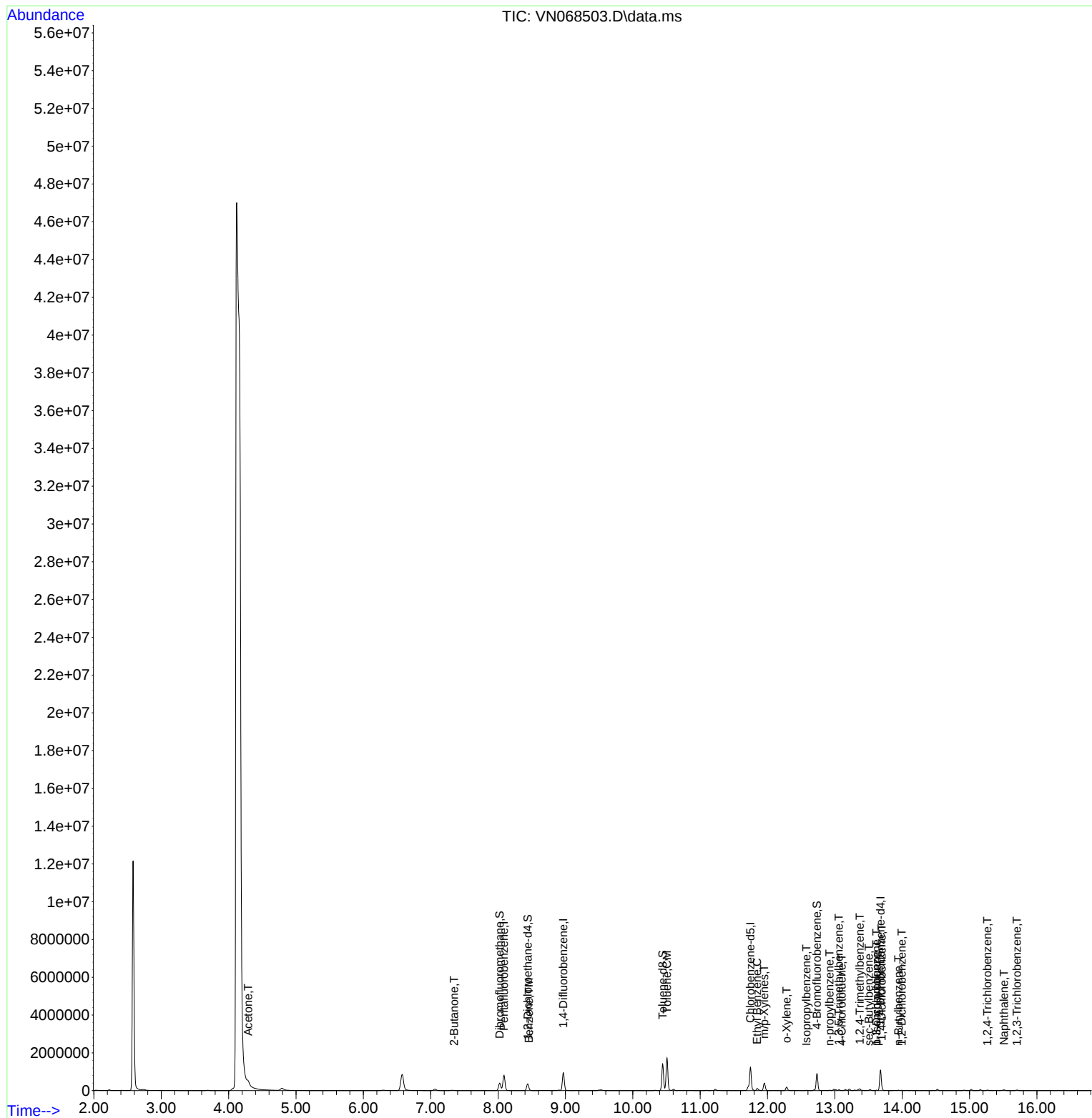
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091621\
Data File : VN068503.D
Acq On : 16 Sep 2021 18:45
Operator : JC/MD
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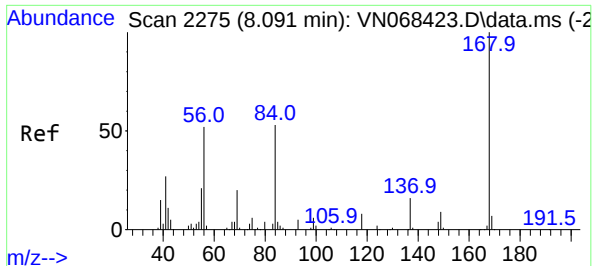
Instrument :
MSVOA_N
ClientSampleId :
31208DL

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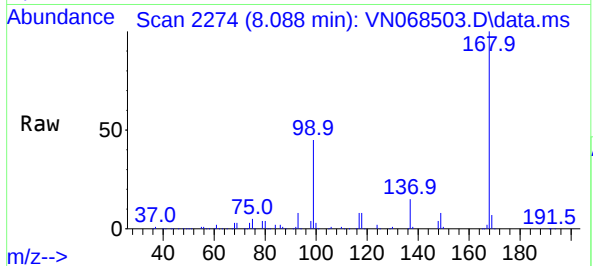
Quant Time: Sep 17 02:02:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 10 04:04:05 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

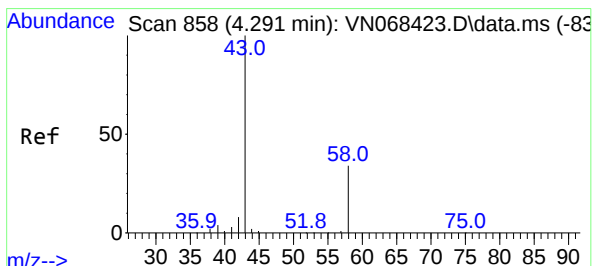
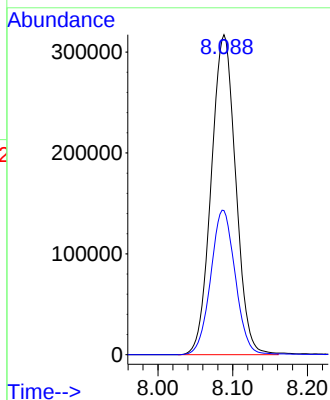
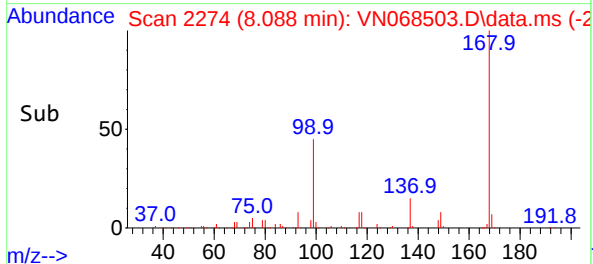
Instrument :
MSVOA_N
ClientSampled :
31208DL



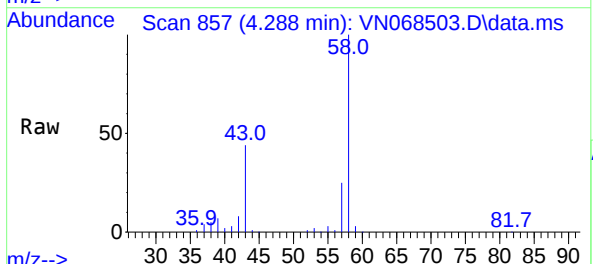
Tgt Ion: 168 Resp: 721670
Ion Ratio Lower Upper
168 100
99 45.1 38.2 57.4

Manual Integrations
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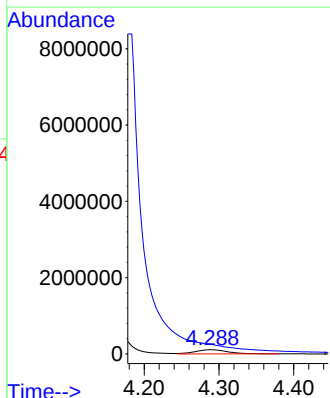
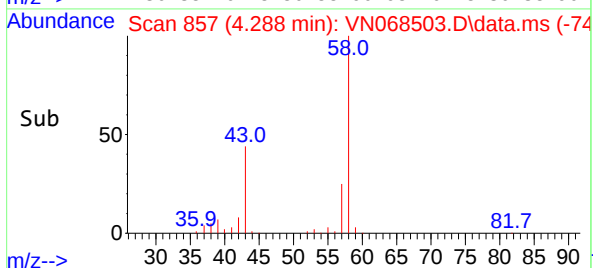
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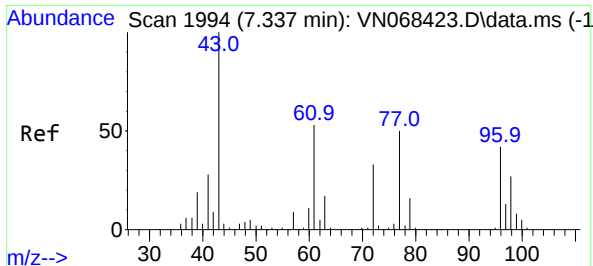


#16
Acetone
Concen: 147.970 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45



Tgt Ion: 43 Resp: 324147
Ion Ratio Lower Upper
43 100
58 161.0 27.0 40.6#





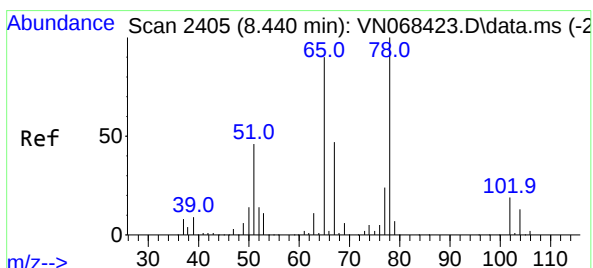
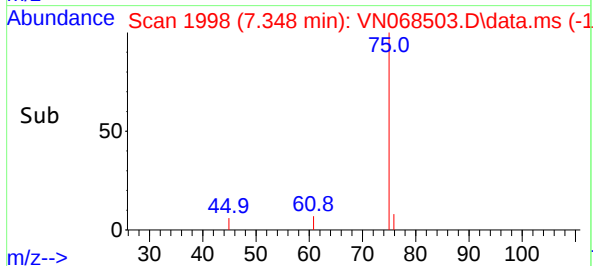
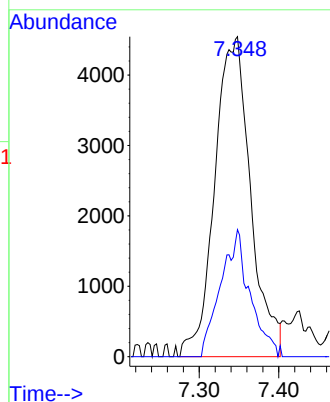
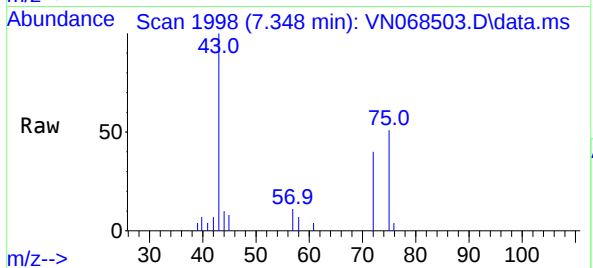
#25
2-Butanone
Concen: 4.425 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

Tgt Ion: 43 Resp: 14236
Ion Ratio Lower Upper
43 100
72 39.7 26.7 40.1

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31208DL

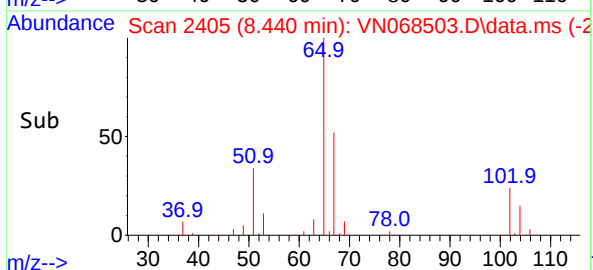
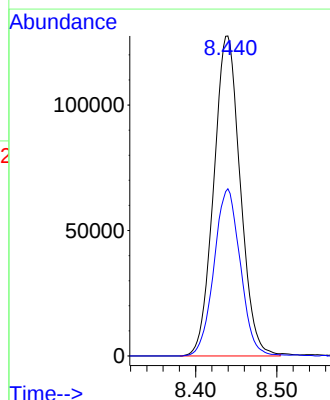
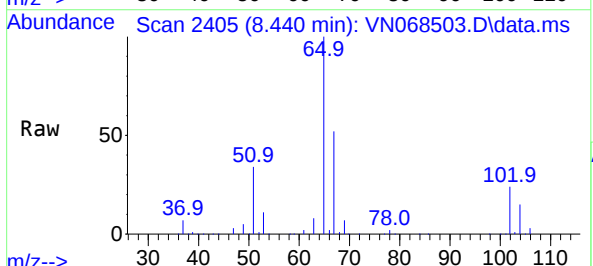
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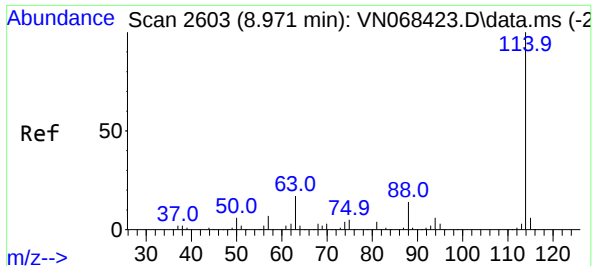
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#33
1,2-Dichloroethane-d4
Concen: 43.717 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

Tgt Ion: 65 Resp: 289399
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.0





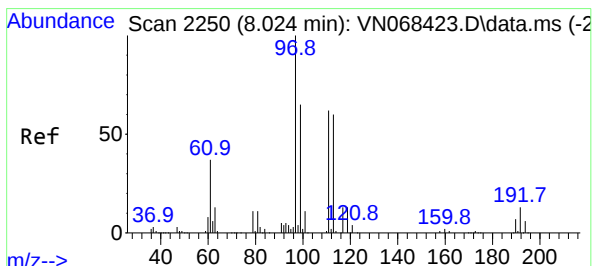
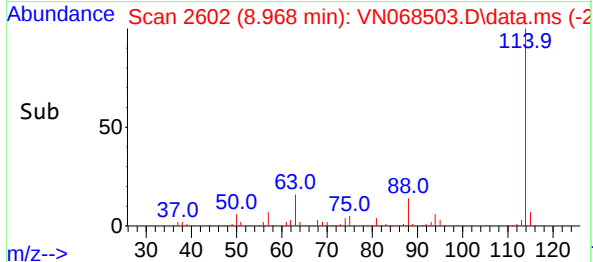
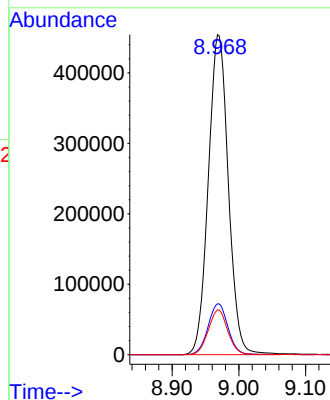
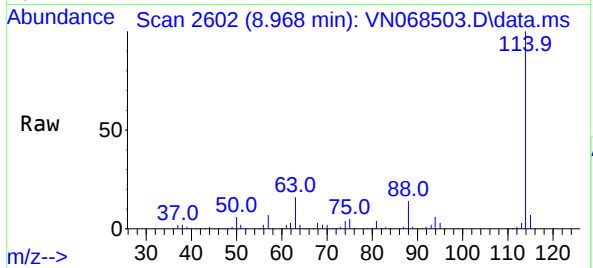
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

Tgt Ion:114 Resp: 948550
Ion Ratio Lower Upper
114 100
63 15.9 0.0 33.2
88 14.0 0.0 28.4

Instrument :
MSVOA_N
ClientSampled :
31208DL

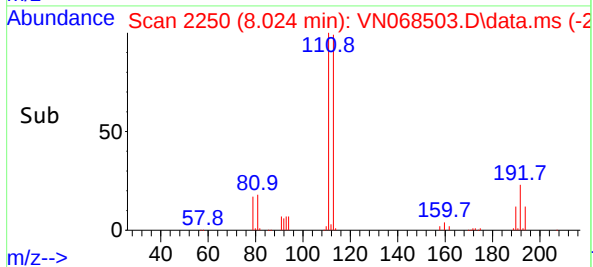
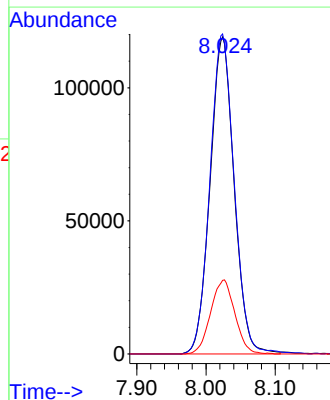
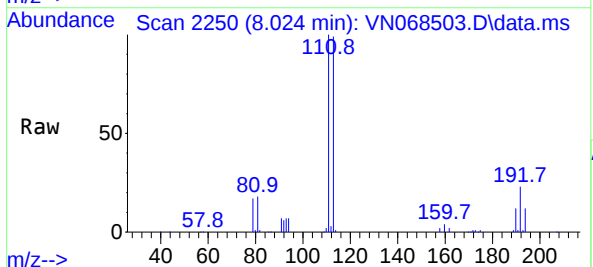
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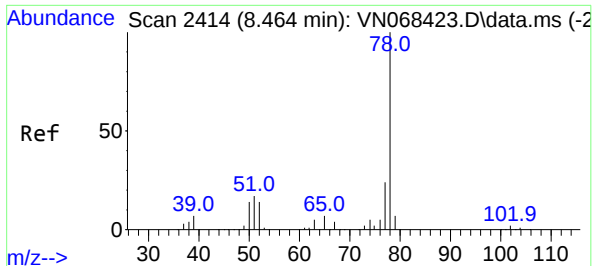
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#35
Dibromofluoromethane
Concen: 50.167 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

Tgt Ion:113 Resp: 287005
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 23.6 17.7 26.5





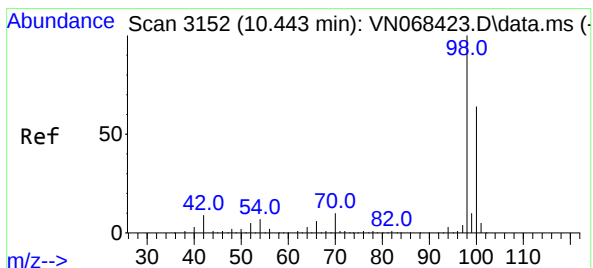
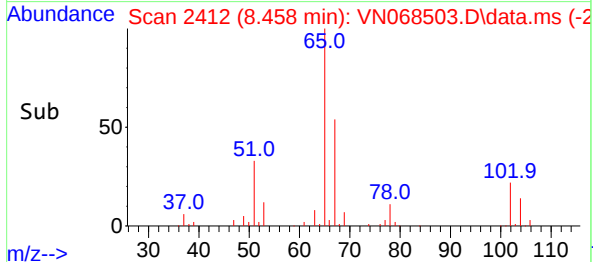
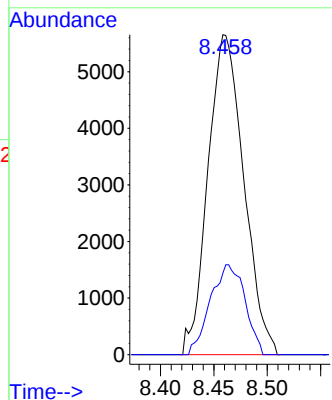
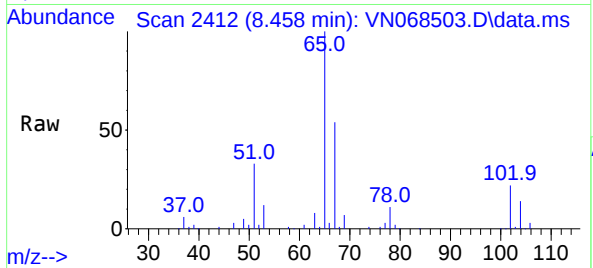
#40
Benzene
Concen: 0.564 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.005 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

Tgt Ion: 78 Resp: 13197
Ion Ratio Lower Upper
78 100
77 25.5 19.3 28.9

Instrument :
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31208DL

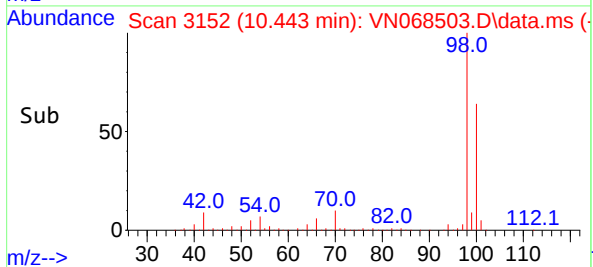
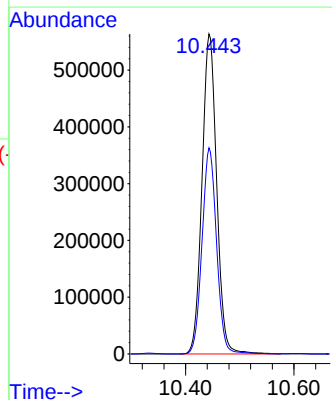
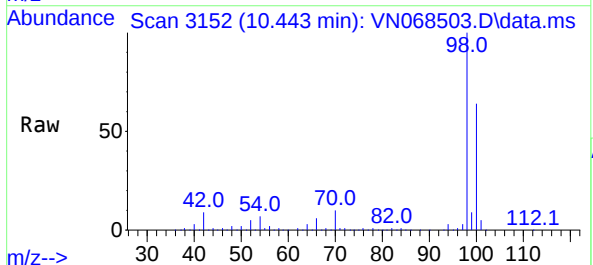
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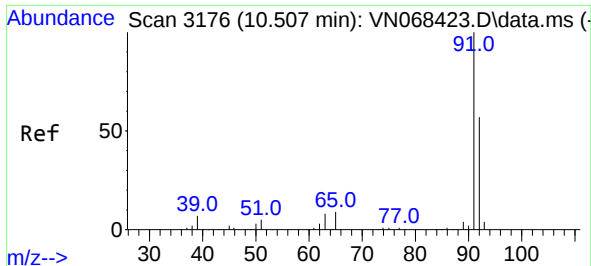
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9/17/2021 2:32:59 PM



#50
Toluene-d8
Concen: 51.020 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

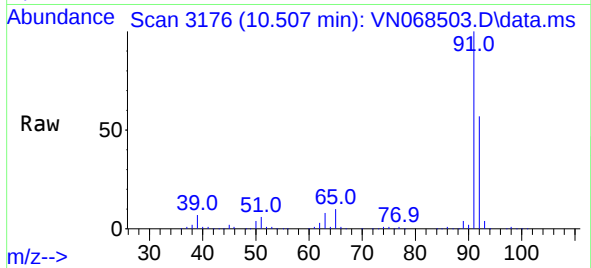
Tgt Ion: 98 Resp: 1060264
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6





#52
Toluene
Concen: 52.860 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

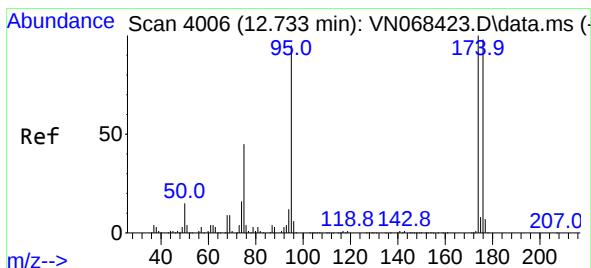
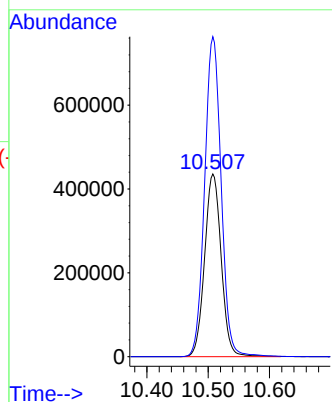
Instrument :
MSVOA_N
ClientSampled :
31208DL



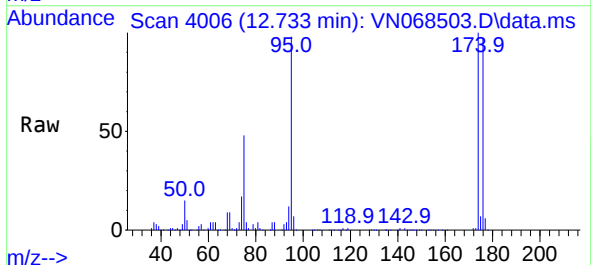
Tgt Ion: 92 Resp: 820994
Ion Ratio Lower Upper
92 100
91 174.3 139.4 209.0

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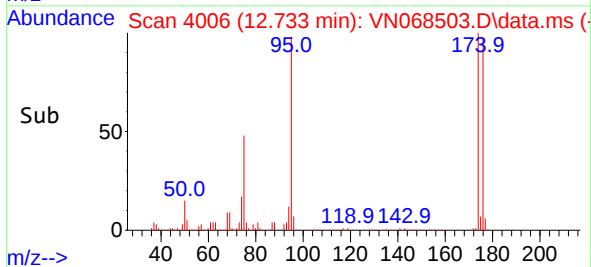
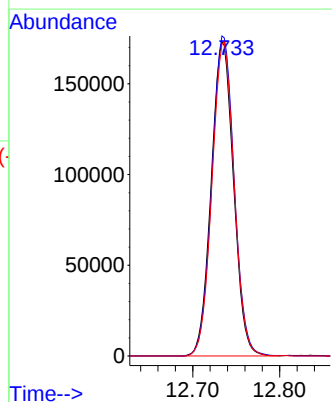
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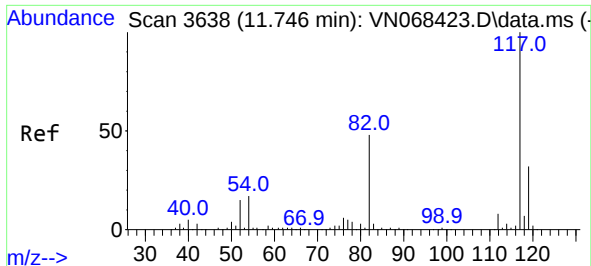


#62
4-Bromofluorobenzene
Concen: 46.404 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

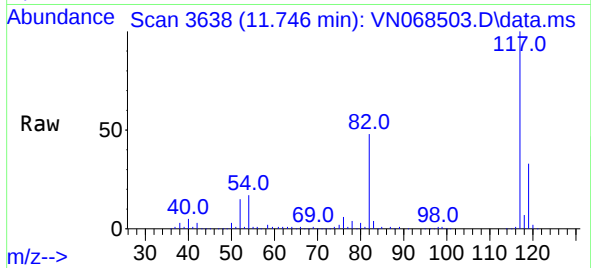


Tgt Ion: 95 Resp: 308575
Ion Ratio Lower Upper
95 100
174 102.0 0.0 214.0
176 99.0 0.0 205.4

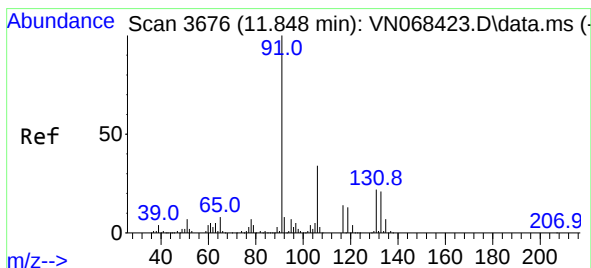
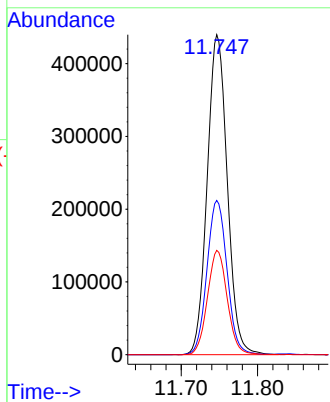
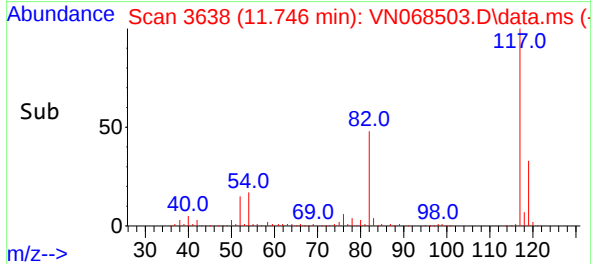




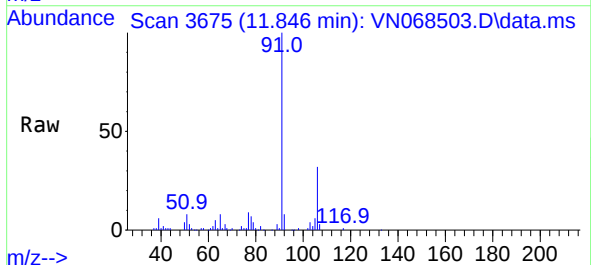
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45



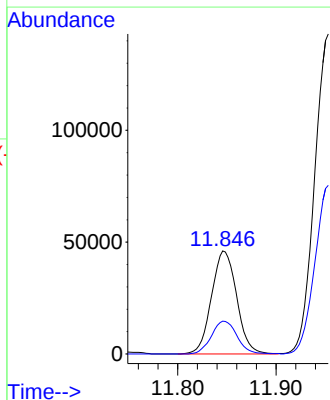
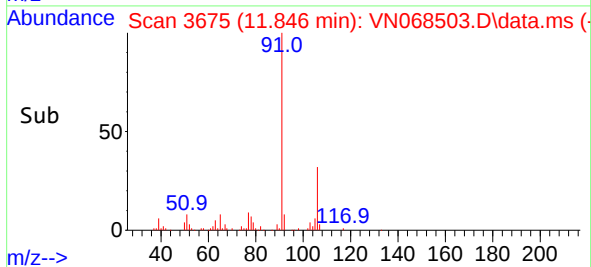
Tgt Ion:117 Resp: 805049
Ion Ratio Lower Upper
117 100
82 48.2 38.7 58.1
119 32.6 25.5 38.3



#67
Ethyl Benzene
Concen: 3.032 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. -0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45



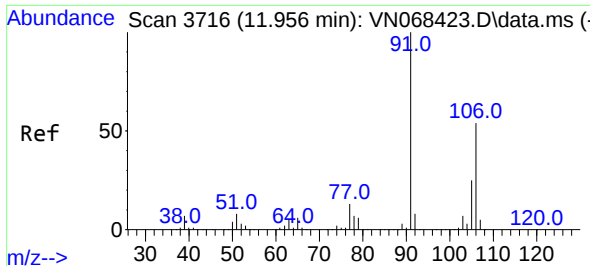
Tgt Ion: 91 Resp: 82079
Ion Ratio Lower Upper
91 100
106 31.8 27.1 40.7



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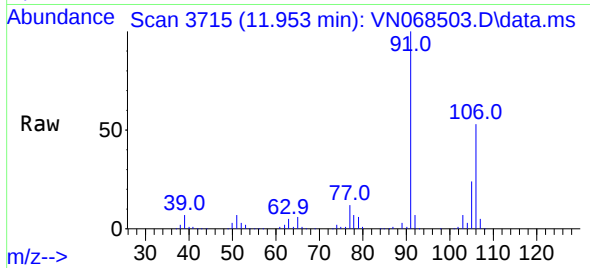
Manual Integrations
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#68
m/p-Xylenes
Concen: 13.419 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

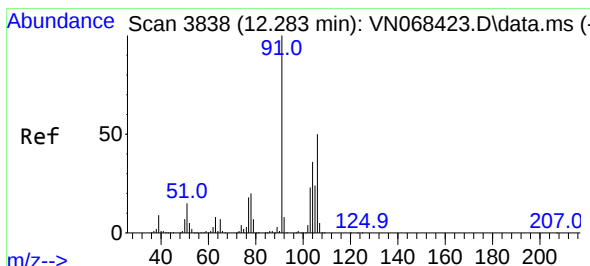
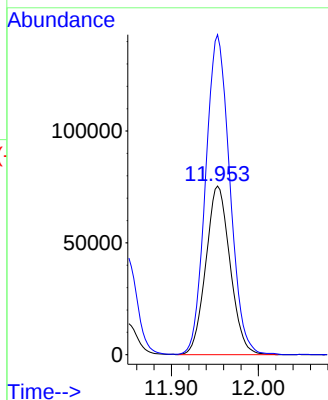
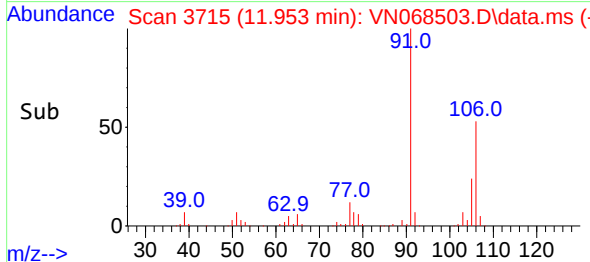
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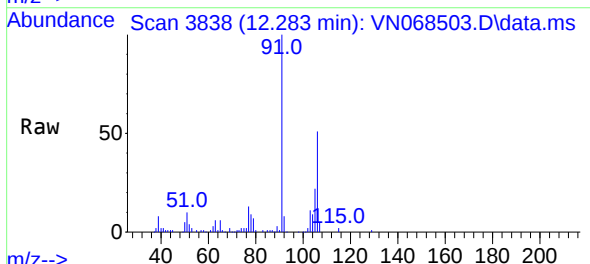
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Ion Ratio Lower Upper
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91 189.4 149.5 224.3

Manual Integrations
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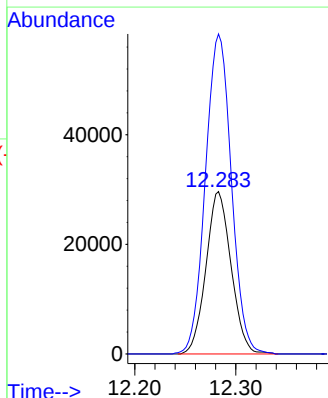
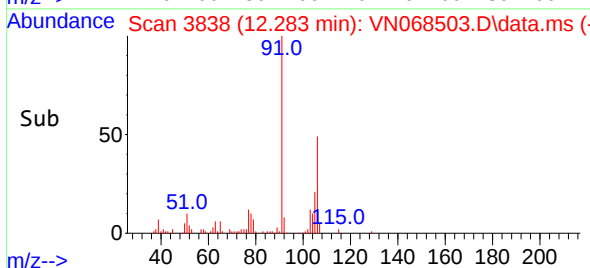
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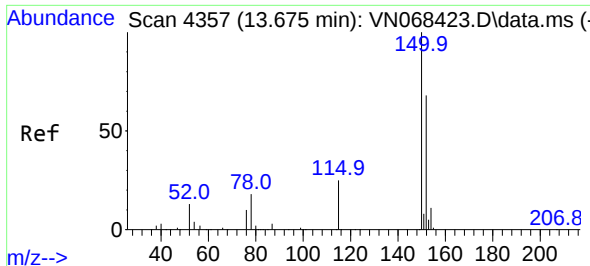


#69
o-Xylene
Concen: 4.820 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

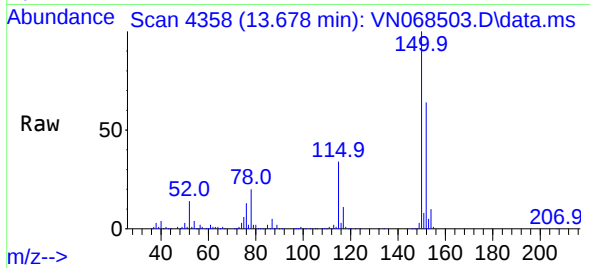


Tgt Ion:106 Resp: 51183
Ion Ratio Lower Upper
106 100
91 203.8 99.3 297.8

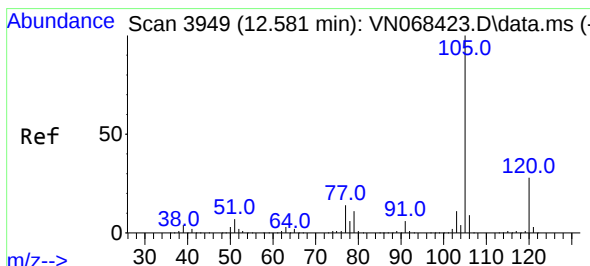
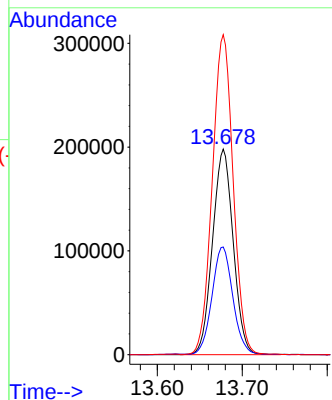
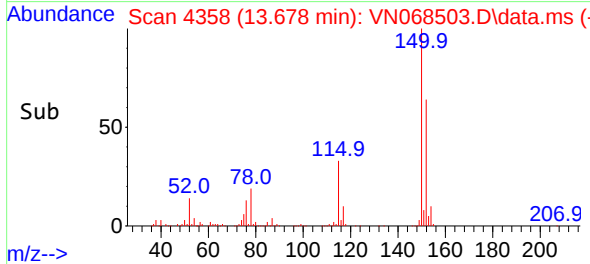




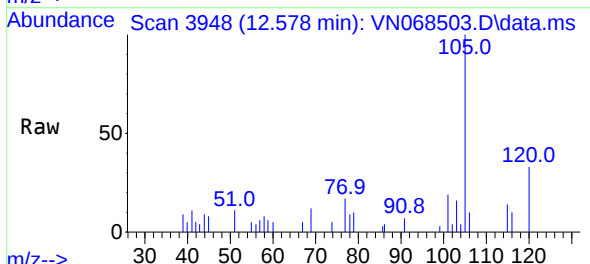
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45



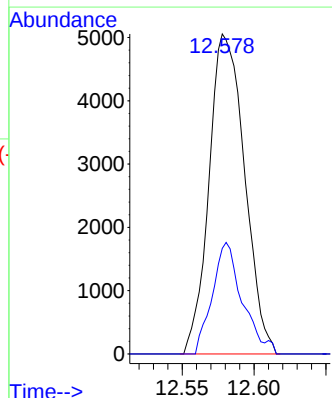
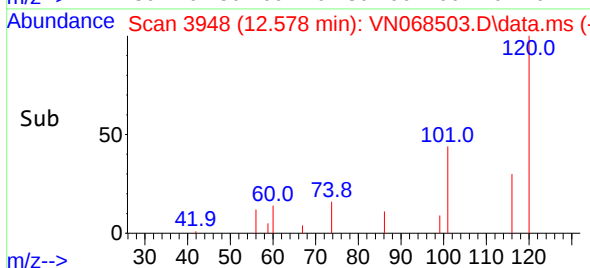
Tgt Ion:152 Resp: 334896
Ion Ratio Lower Upper
152 100
115 53.2 25.6 76.6
150 156.3 0.0 346.8



#73
Isopropylbenzene
Concen: 0.365 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45



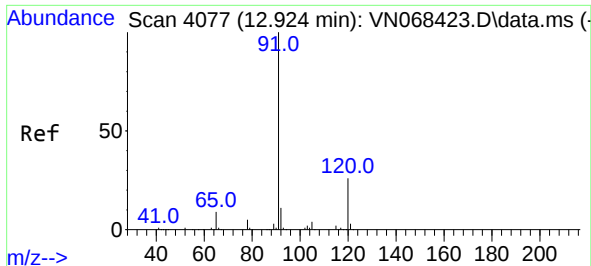
Tgt Ion:105 Resp: 8688
Ion Ratio Lower Upper
105 100
120 29.4 14.1 42.3



Instrument :
MSVOA_N
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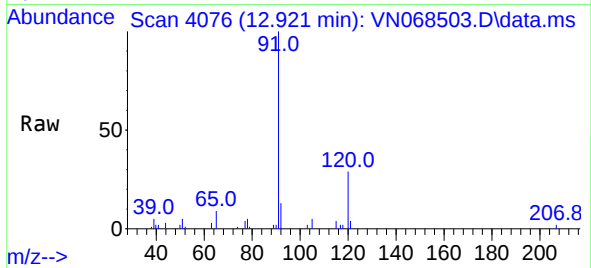
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#78
n-propylbenzene
Concen: 0.839 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. -0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

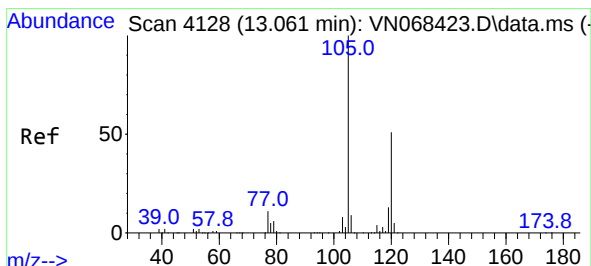
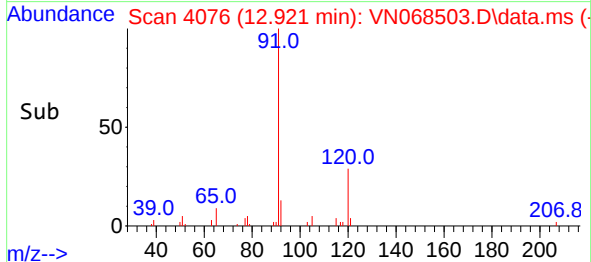
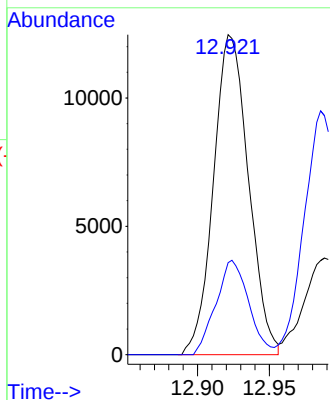
Instrument :
MSVOA_N
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31208DL



Tgt Ion: 91 Resp: 21101
Ion Ratio Lower Upper
91 100
120 27.6 13.2 39.6

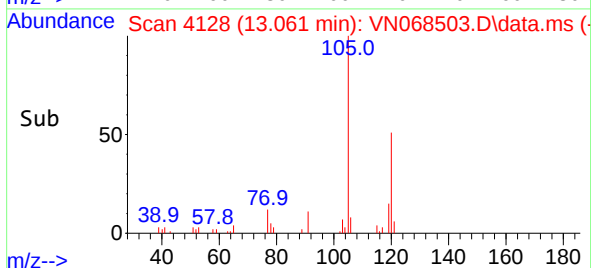
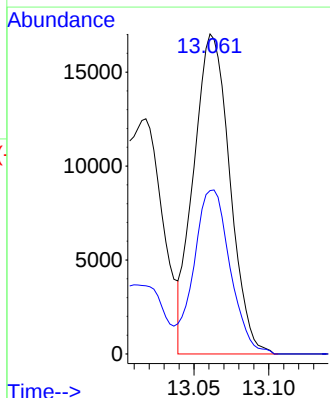
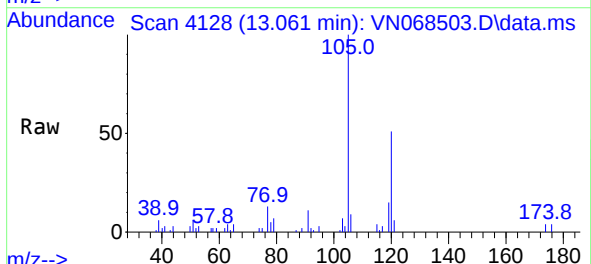
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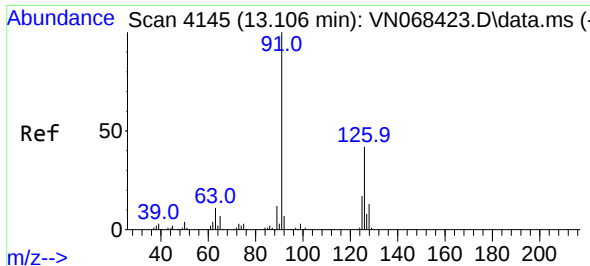
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#80
1,3,5-Trimethylbenzene
Concen: 1.480 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

Tgt Ion: 105 Resp: 28643
Ion Ratio Lower Upper
105 100
120 51.6 25.7 77.1





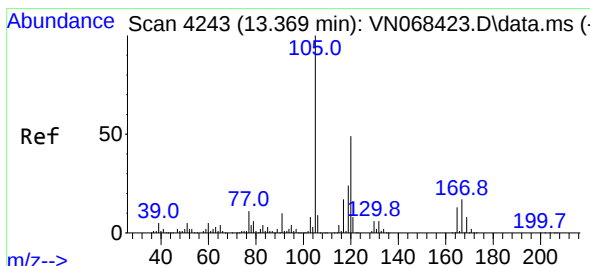
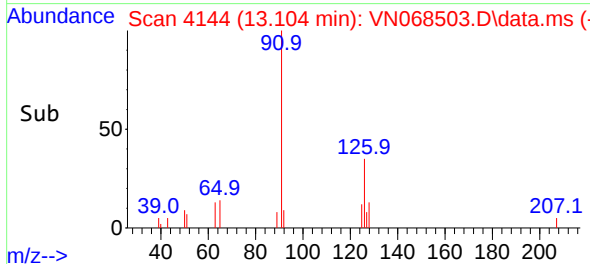
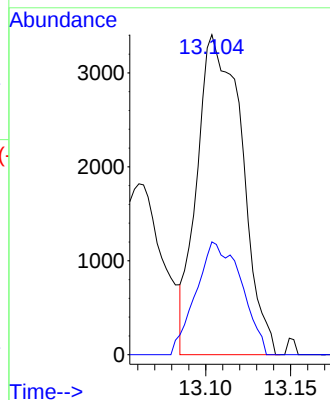
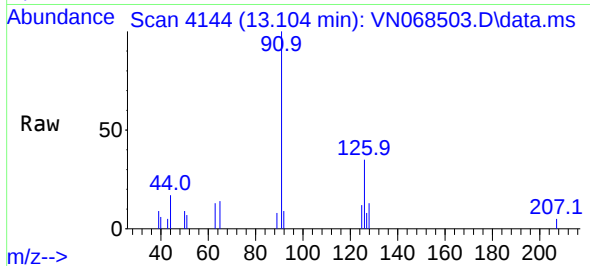
#82
4-Chlorotoluene
Concen: 0.417 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

Tgt Ion: 91 Resp: 6243
Ion Ratio Lower Upper
91 100
126 35.7 19.8 59.3

Instrument :
MSVOA_N
ClientSampled :
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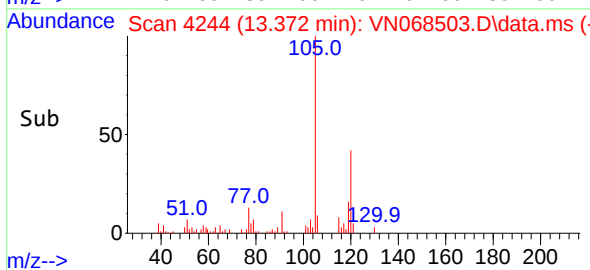
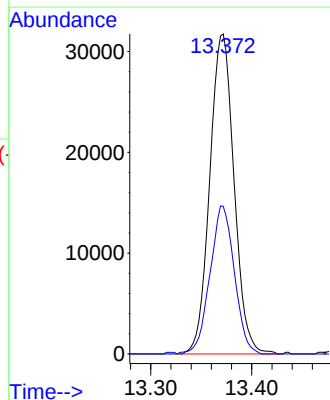
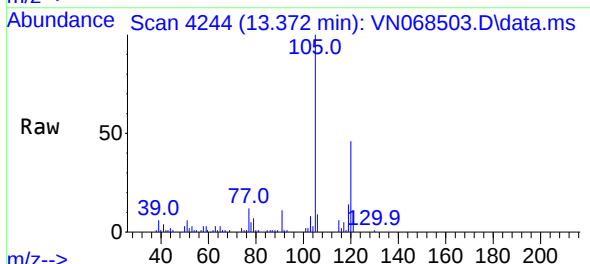
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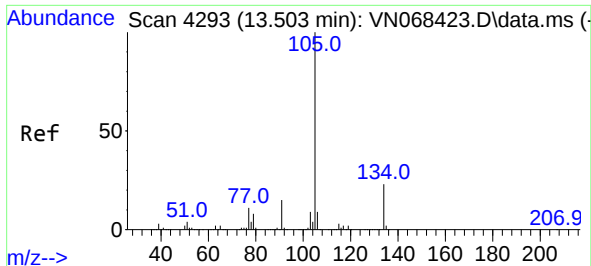
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#84
1,2,4-Trimethylbenzene
Concen: 2.856 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

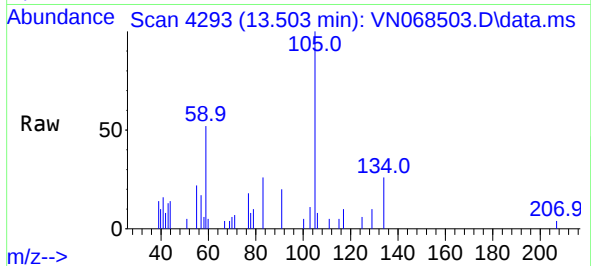
Tgt Ion: 105 Resp: 53013
Ion Ratio Lower Upper
105 100
120 46.4 24.3 72.9





#85
 sec-Butylbenzene
 Concen: 0.315 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN068503.D
 Acq: 16 Sep 2021 18:45

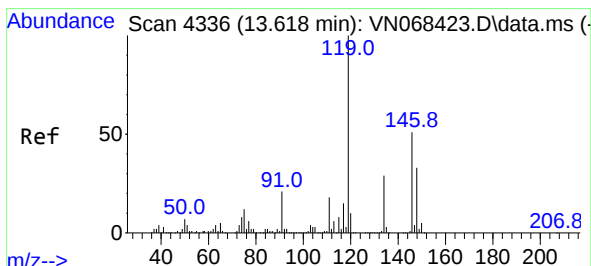
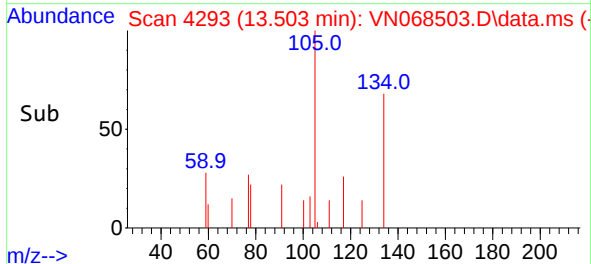
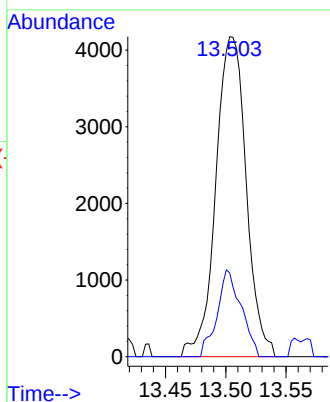
Instrument :
 MSVOA_N
 ClientSampled :
 31208DL



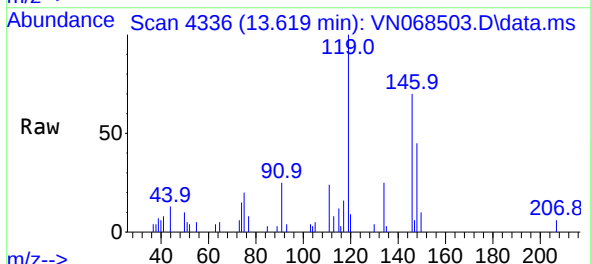
Tgt Ion:105 Resp: 7331
 Ion Ratio Lower Upper
 105 100
 134 21.3 11.4 34.1

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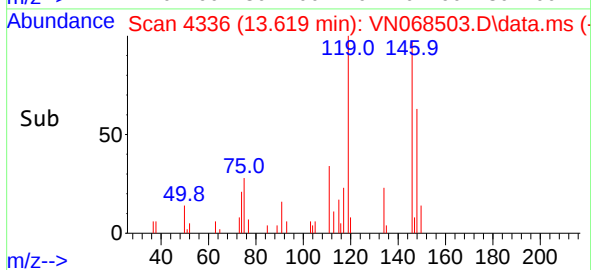
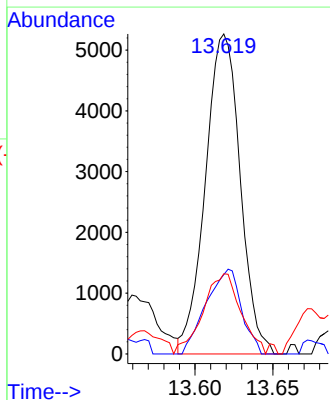
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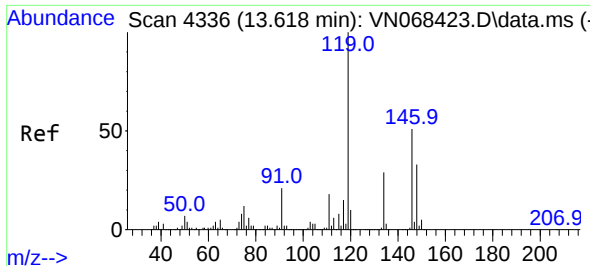


#86
 p-Isopropyltoluene
 Concen: 0.416 ug/l
 RT: 13.619 min Scan# 4336
 Delta R.T. 0.000 min
 Lab File: VN068503.D
 Acq: 16 Sep 2021 18:45

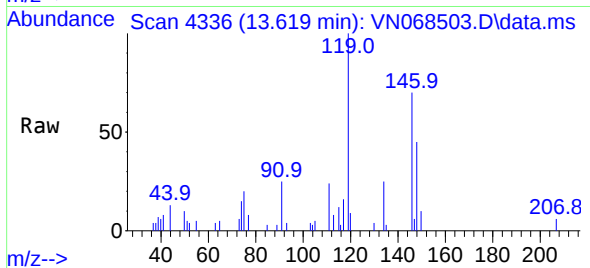


Tgt Ion:119 Resp: 8182
 Ion Ratio Lower Upper
 119 100
 134 26.8 14.1 42.4
 91 27.1 10.6 31.8

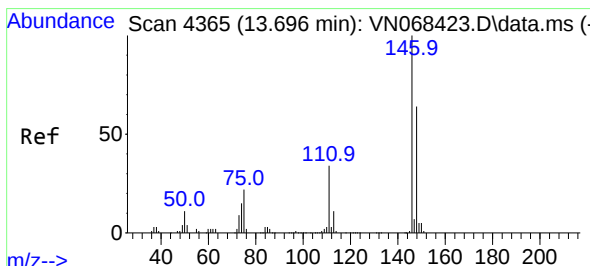
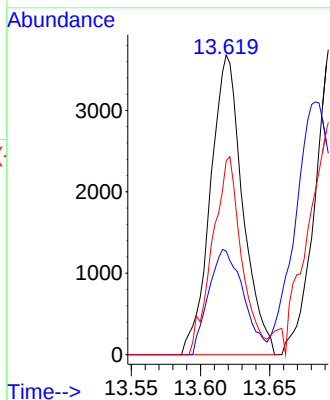
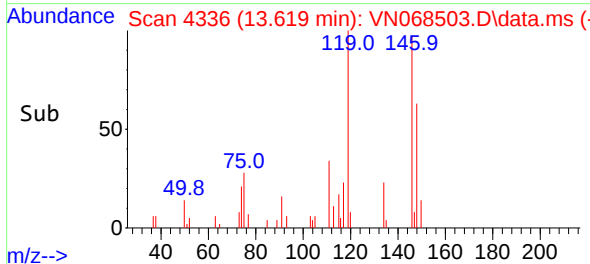




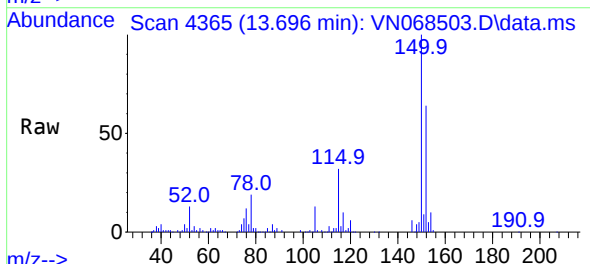
#87
1,3-Dichlorobenzene
Concen: 0.521 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45



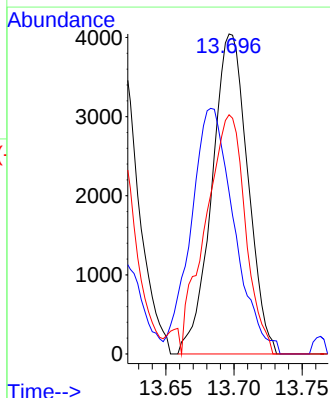
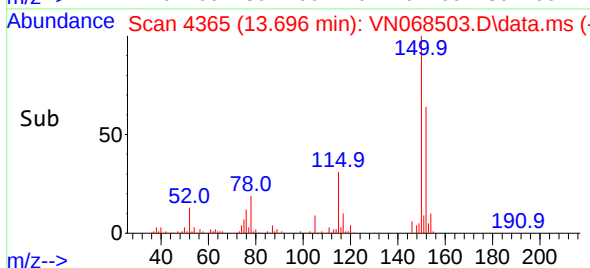
Tgt Ion:146 Resp: 5962
Ion Ratio Lower Upper
146 100
111 38.3 17.6 52.8
148 60.3 32.1 96.3



#88
1,4-Dichlorobenzene
Concen: 0.657 ug/l m
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45



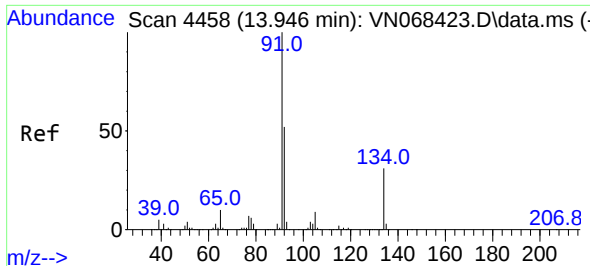
Tgt Ion:146 Resp: 7398
Ion Ratio Lower Upper
146 100
111 30.8 17.2 51.6
148 48.6 31.9 95.7



Instrument :
MSVOA_N
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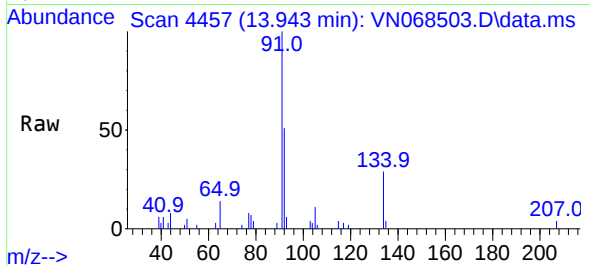
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#89
n-Butylbenzene
Concen: 0.951 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

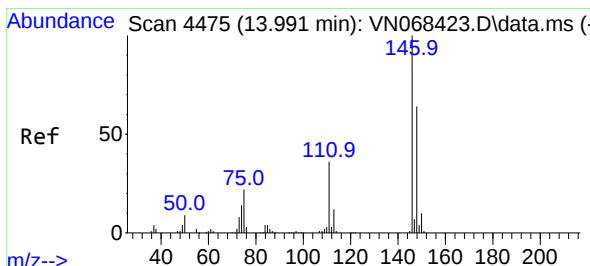
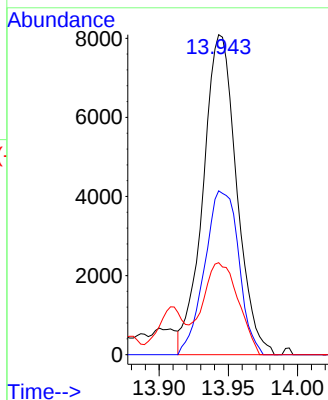
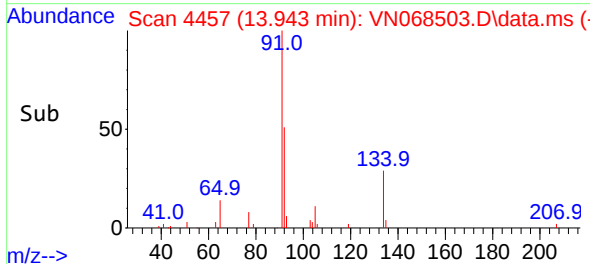
Instrument :
MSVOA_N
ClientSampled :
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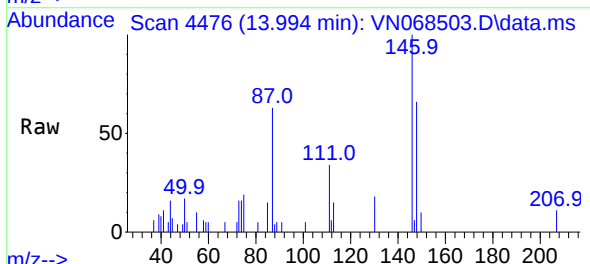
Tgt Ion: 91 Resp: 13628
Ion Ratio Lower Upper
91 100
92 52.0 26.0 78.0
134 30.4 15.4 46.2

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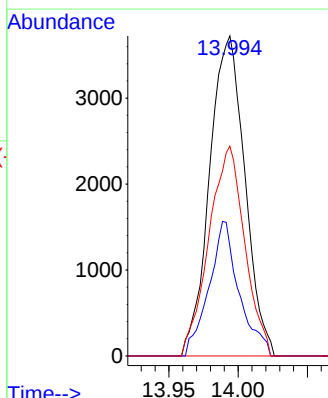
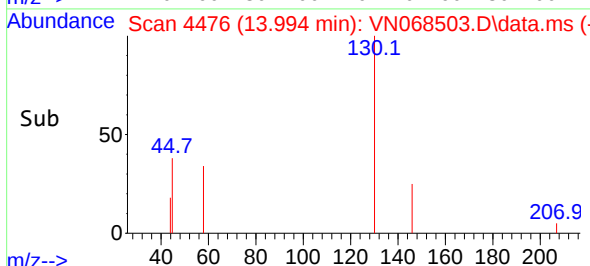
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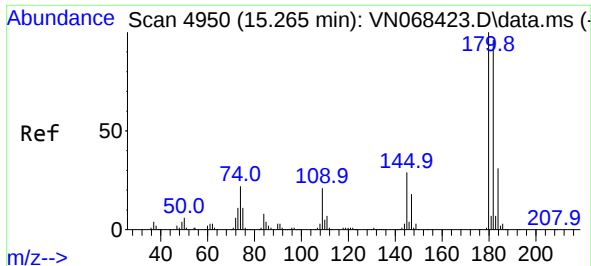


#91
1,2-Dichlorobenzene
Concen: 0.599 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.003 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45



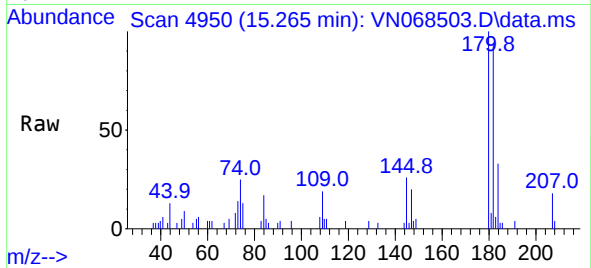
Tgt Ion: 146 Resp: 6609
Ion Ratio Lower Upper
146 100
111 36.0 18.1 54.3
148 66.5 32.1 96.5





#93
1,2,4-Trichlorobenzene
Concen: 2.148 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45

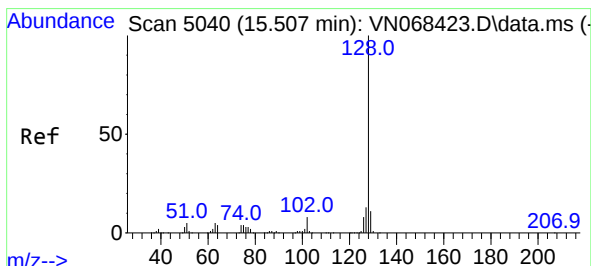
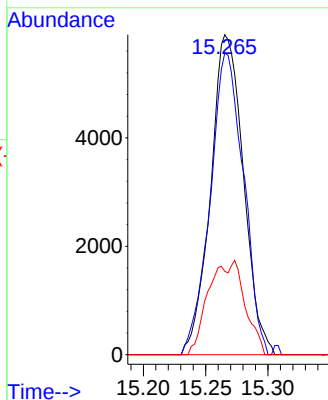
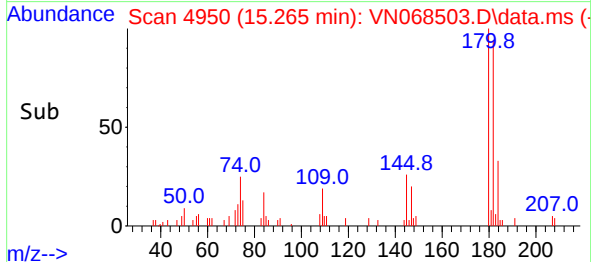
Instrument :
MSVOA_N
ClientSampled :
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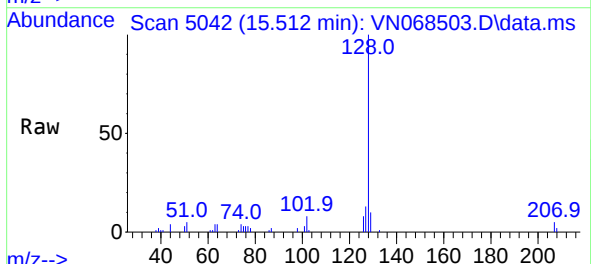
Tgt Ion:180 Resp: 10819
Ion Ratio Lower Upper
180 100
182 95.5 47.5 142.6
145 18.7 14.1 42.4

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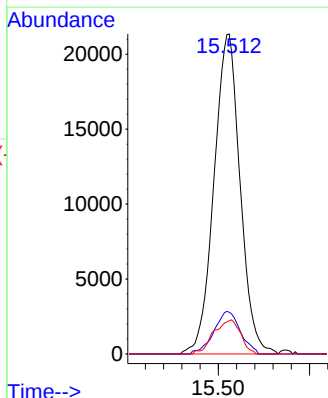
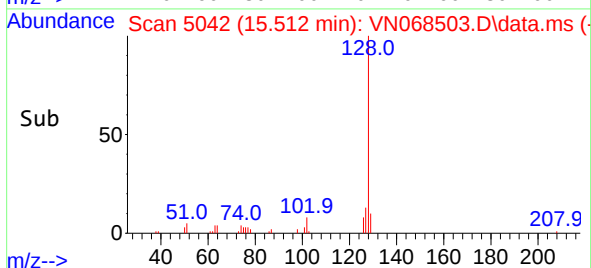
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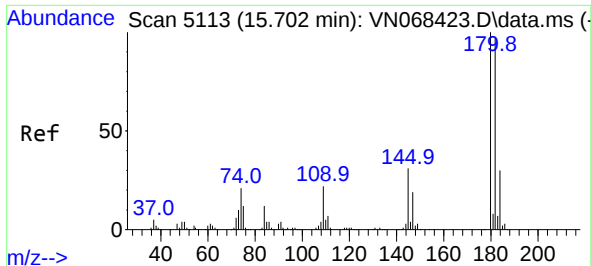


#95
Naphthalene
Concen: 6.474 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068503.D
Acq: 16 Sep 2021 18:45



Tgt Ion:128 Resp: 42450
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.9 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.519 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN068503.D
 Acq: 16 Sep 2021 18:45

Tgt Ion:	180	Resp:	12112
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.6
145	16.7	15.2	45.5

Instrument :
 MSVOA_N
 ClientSampleId :
 31208DL

Manual Integrations
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