

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068174.D
 Acq On : 25 Jan 2021 17:45
 Operator : VA/SY
 Sample : M1190-02
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20796

Manual Integrations
 APPROVED

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 1/26/2021 12:57:31 PM

Quant Time: Jan 26 00:10:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	637148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1118128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	856802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	292252	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	323578	53.09	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.18%			
35) Dibromofluoromethane	7.920	113	343021	55.49	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.98%			
50) Toluene-d8	10.350	98	1370604	55.43	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.86%			
62) 4-Bromofluorobenzene	12.632	95	397117	44.60	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.20%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.232	59	52148	40.95	ug/l #	74
16) Acetone	4.126	43	54536817m	50112.06	ug/l	
17) Carbon Disulfide	4.409	76	29466	1.31	ug/l	97
22) Diisopropyl ether	6.367	45	37996	1.85	ug/l	94
25) 2-Butanone	7.214	43	319117	194.74	ug/l #	72
31) Cyclohexane	7.967	56	11794619	893.69	ug/l #	44
39) Methylcyclohexane	9.361	83	5039436	341.86	ug/l	95
40) Benzene	8.356	78	3707905	117.61	ug/l	96
43) Isopropyl Acetate	8.456	43	4530977	545.10	ug/l #	46
48) Methyl methacrylate	9.461	41	263575	63.71	ug/l #	77
51) 4-Methyl-2-Pentanone	10.238	43	245332	63.49	ug/l	93
52) Toluene	10.397	92	38716752m	1884.82	ug/l	
67) Ethyl Benzene	11.750	91	3886342	115.30	ug/l	100
68) m/p-Xylenes	11.850	106	4940585	388.24	ug/l	96
69) o-Xylene	12.179	106	2152731	182.15	ug/l	97
73) Isopropylbenzene	12.485	105	921456	37.89	ug/l	99
78) n-propylbenzene	12.820	91	2527622	87.85	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	2069477	102.18	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	7179002	357.11	ug/l	95
85) sec-Butylbenzene	13.402	105	1468264	61.16	ug/l	93
86) p-Isopropyltoluene	13.520	119	744564	34.10	ug/l	99
89) n-Butylbenzene	13.844	91	1652367	78.86	ug/l #	73
95) Naphthalene	15.402	128	2311315	209.43	ug/l	99

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

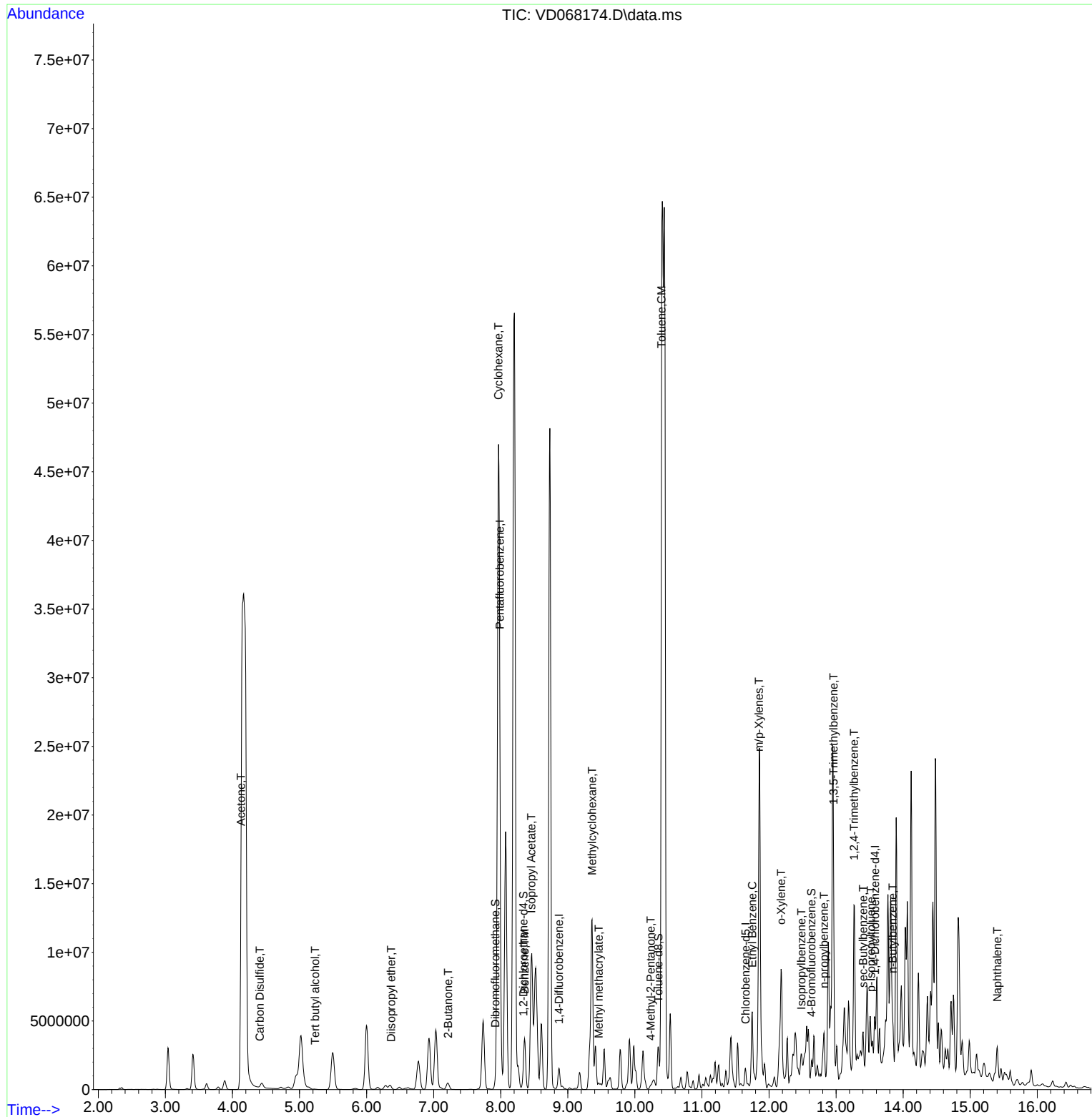
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068174.D
Acq On : 25 Jan 2021 17:45
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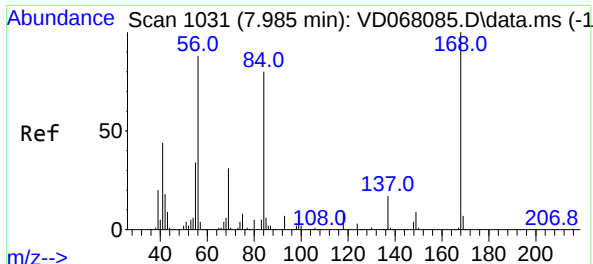
Instrument :
MSVOA_D
ClientSampleId :
20796

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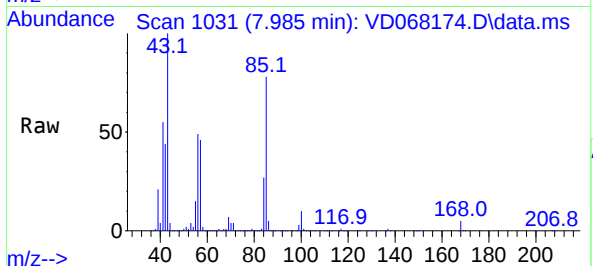
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Quant Time: Jan 26 00:10:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

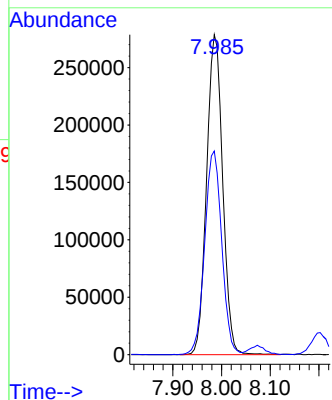
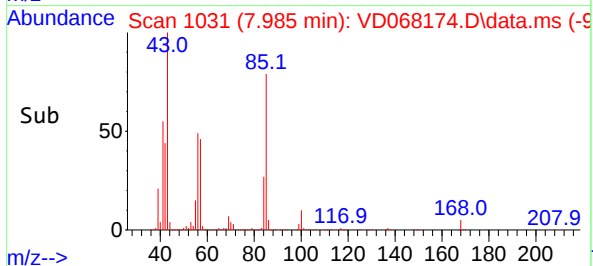




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45



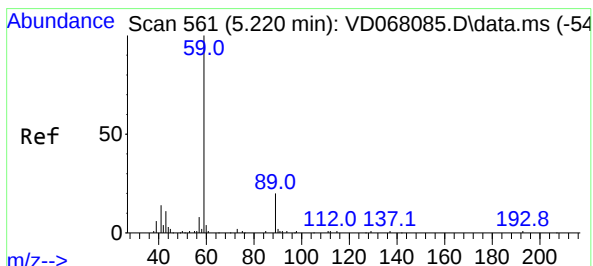
Tgt Ion: 168 Resp: 637148
Ion Ratio Lower Upper
168 100
99 63.6 43.5 65.3



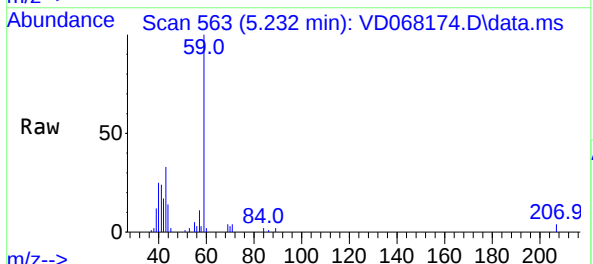
Instrument :
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ClientSampleId :
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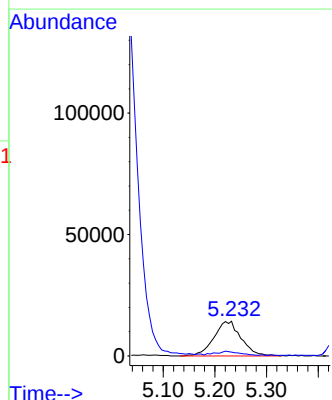
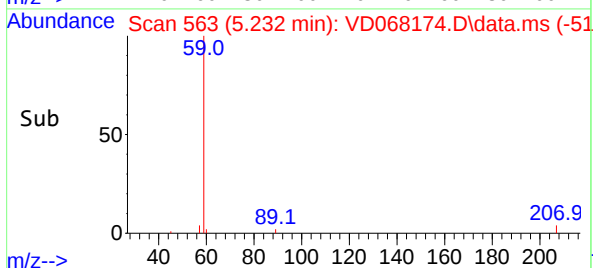
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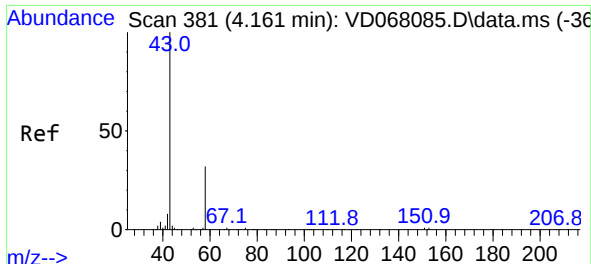


#11
Tert butyl alcohol
Concen: 40.95 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45



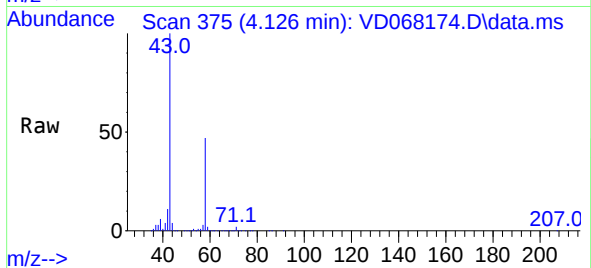
Tgt Ion: 59 Resp: 52148
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16
Acetone
Concen: 50112.06 ug/l m
RT: 4.126 min Scan# 375
Delta R.T. -0.035 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

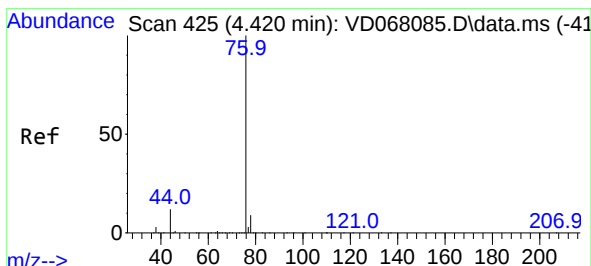
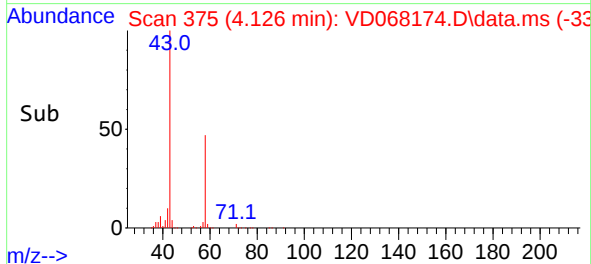
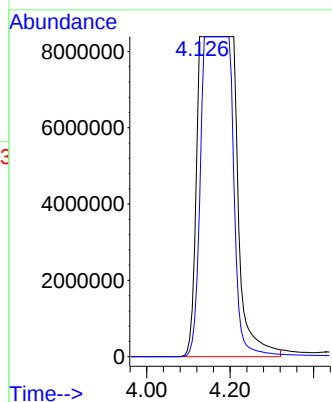
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Tgt Ion: 43 Resp: 54536817
Ion Ratio Lower Upper
43 100
58 47.3 24.2 36.4#

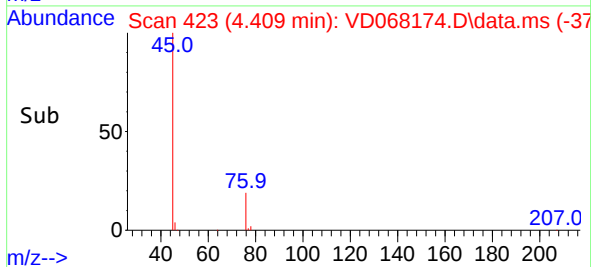
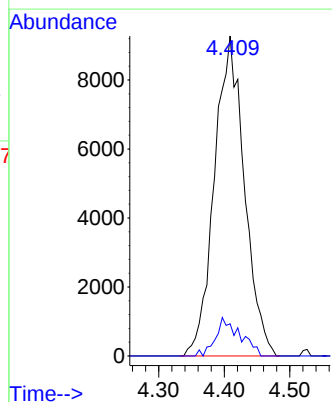
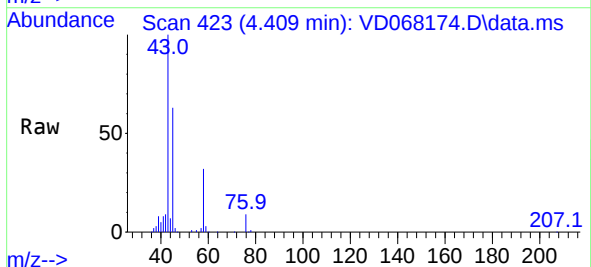
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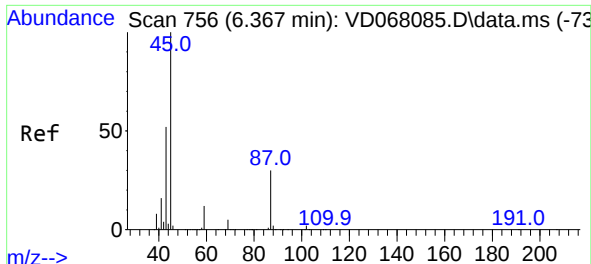
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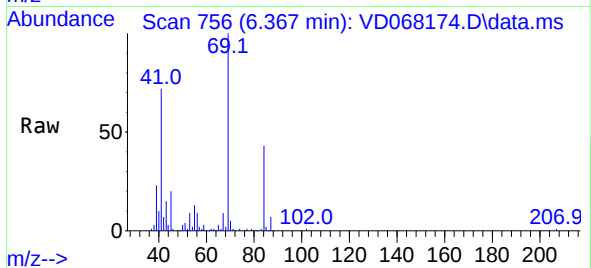
#17
Carbon Disulfide
Concen: 1.31 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.011 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion: 76 Resp: 29466
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9

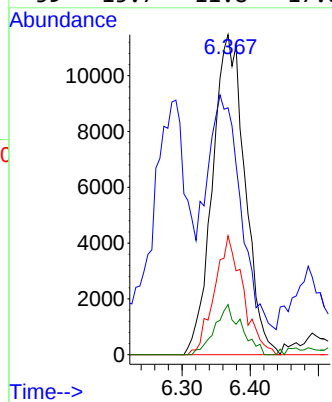




#22
Diisopropyl ether
Concen: 1.85 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45



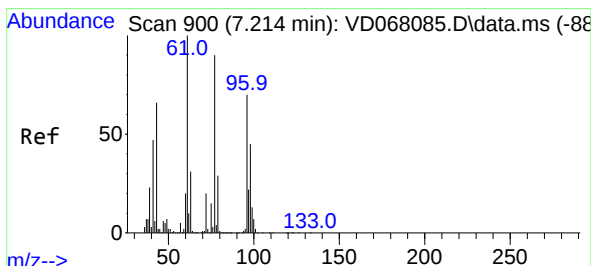
Tgt Ion:	45	Resp:	37996
Ion	Ratio	Lower	Upper
45	100		
43	62.3	43.9	65.9
87	37.2	29.9	44.9
59	15.7	11.8	17.8



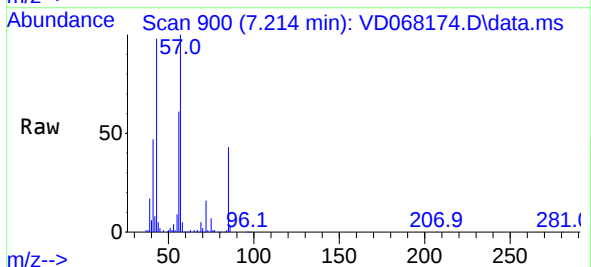
Instrument :
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20796

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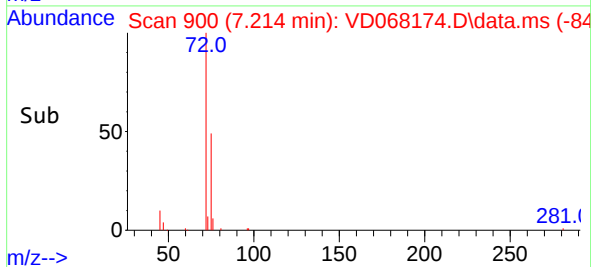
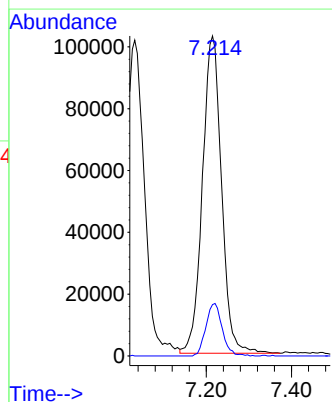
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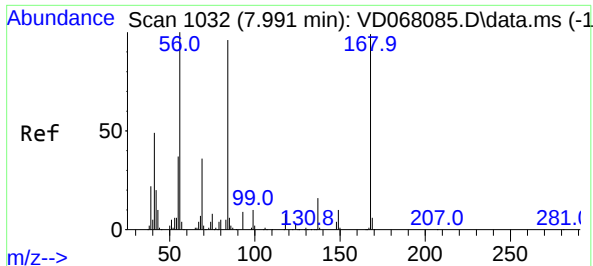


#25
2-Butanone
Concen: 194.74 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45



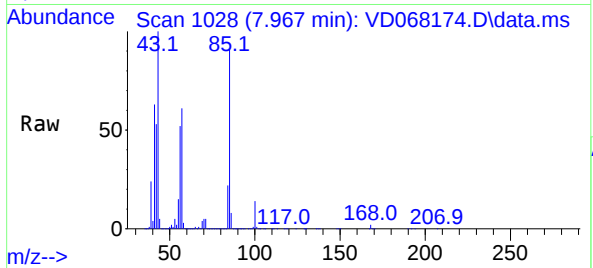
Tgt Ion:	43	Resp:	319117
Ion	Ratio	Lower	Upper
43	100		
72	16.2	25.1	37.7#





#31
Cyclohexane
Concen: 893.69 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.023 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

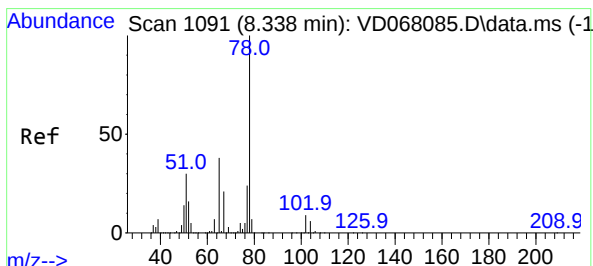
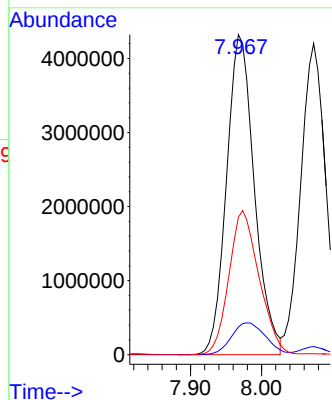
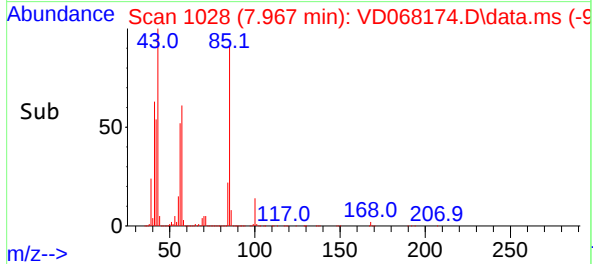
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MSVOA_D
ClientSampleId :
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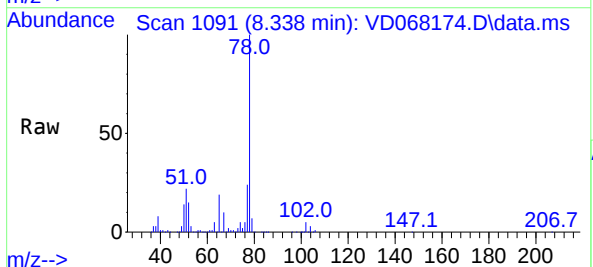
Tgt Ion: 56 Resp:11794619
Ion Ratio Lower Upper
56 100
69 8.6 30.1 45.1#
84 43.0 82.1 123.1#

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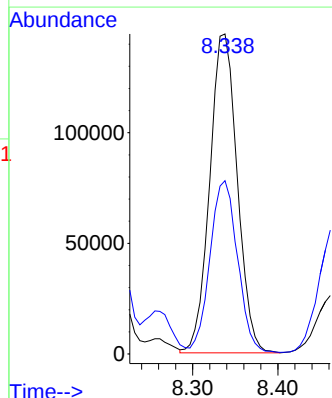
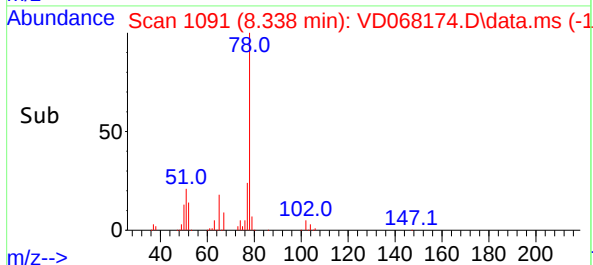
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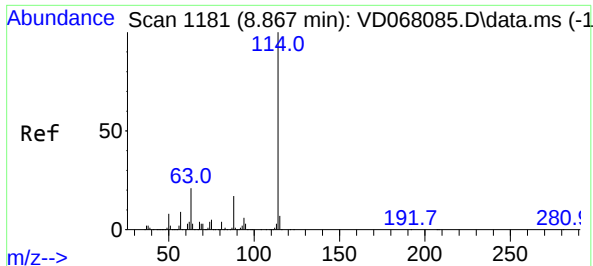


#33
1,2-Dichloroethane-d4
Concen: 53.09 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45



Tgt Ion: 65 Resp: 323578
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.0





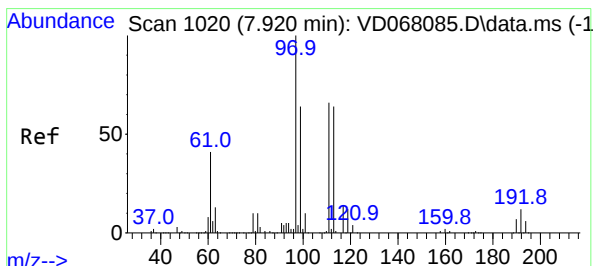
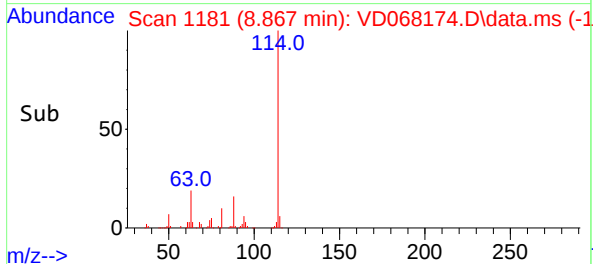
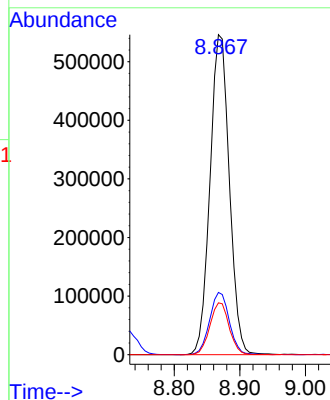
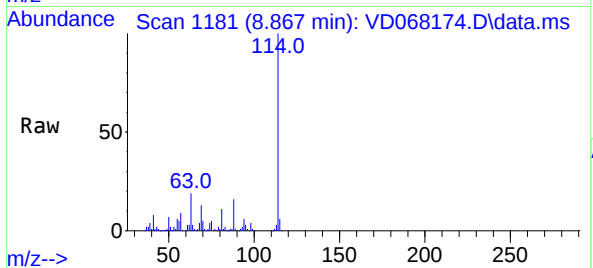
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion:114 Resp: 1118128
Ion Ratio Lower Upper
114 100
63 19.5 0.0 34.8
88 16.2 0.0 31.6

Instrument :
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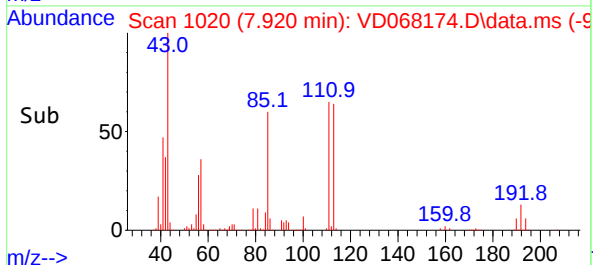
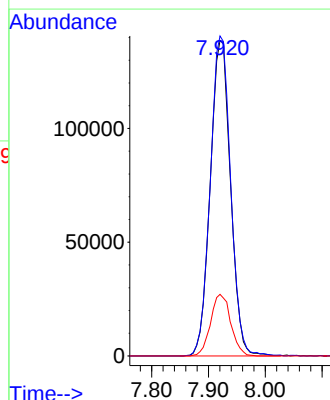
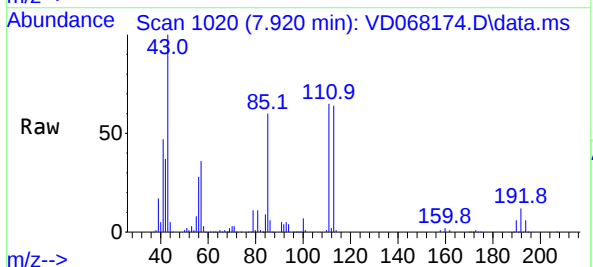
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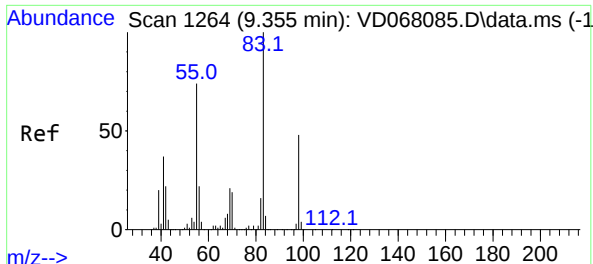
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#35
Dibromofluoromethane
Concen: 55.49 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion:113 Resp: 343021
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 19.4 16.1 24.1





#39

Methylcyclohexane

Concen: 341.86 ug/l

RT: 9.361 min Scan# 1265

Delta R.T. 0.006 min

Lab File: VD068174.D

Acq: 25 Jan 2021 17:45

Tgt Ion: 83 Resp: 5039436

Ion	Ratio	Lower	Upper
83	100		
55	74.6	55.2	82.8
98	50.9	39.1	58.7

Instrument :

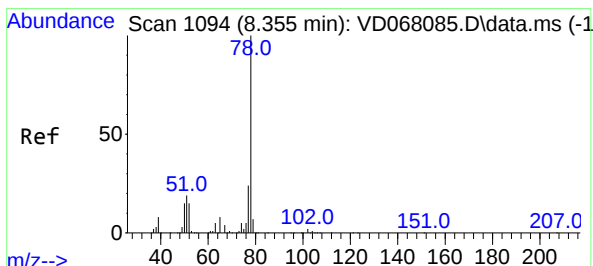
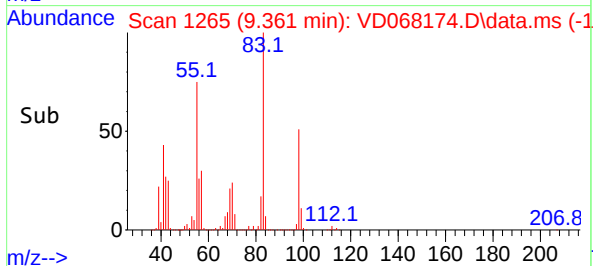
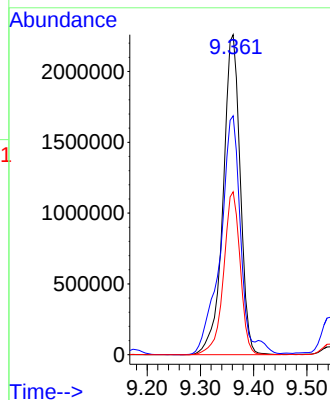
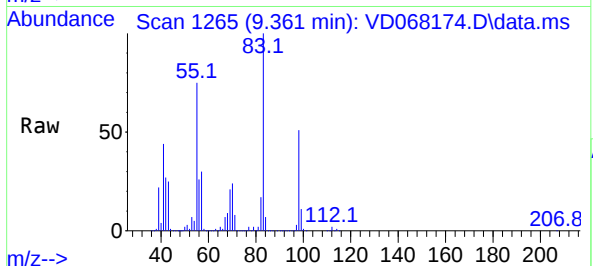
MSVOA_D

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#40

Benzene

Concen: 117.61 ug/l

RT: 8.356 min Scan# 1094

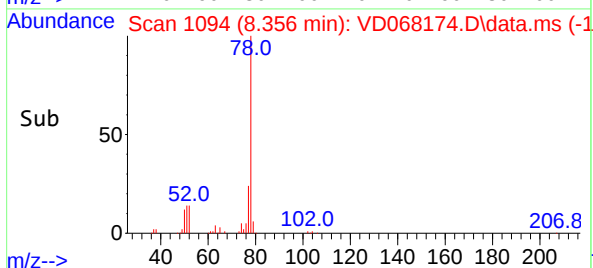
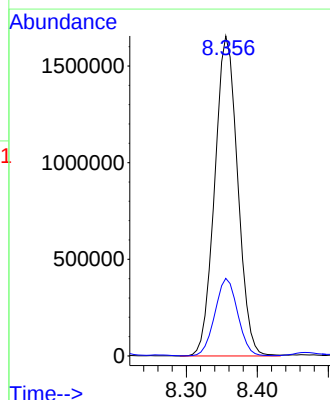
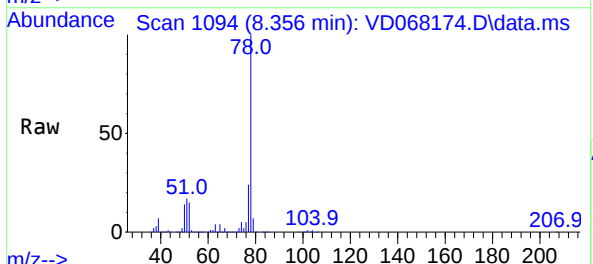
Delta R.T. 0.001 min

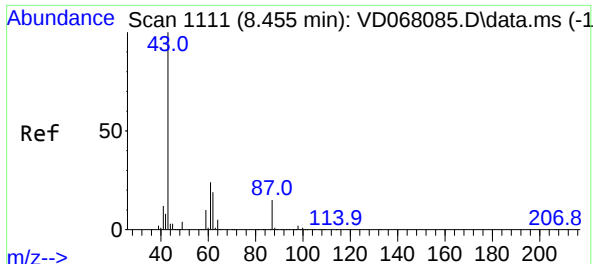
Lab File: VD068174.D

Acq: 25 Jan 2021 17:45

Tgt Ion: 78 Resp: 3707905

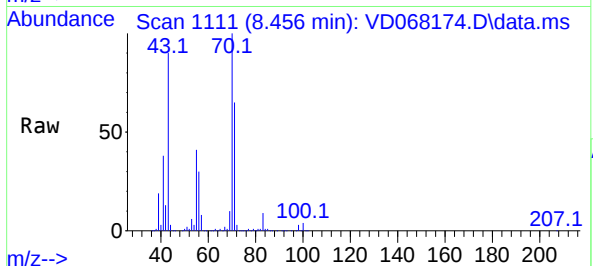
Ion	Ratio	Lower	Upper
78	100		
77	24.2	17.8	26.6





#43
Isopropyl Acetate
Concen: 545.10 ug/l
RT: 8.456 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

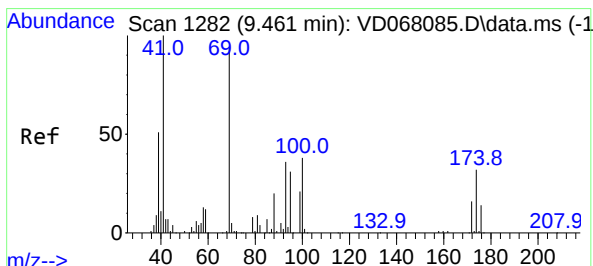
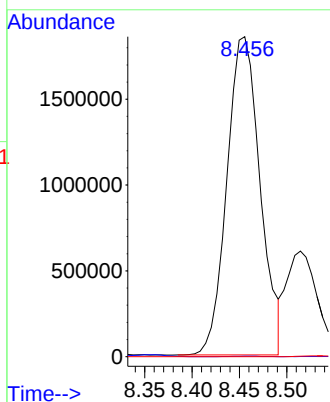
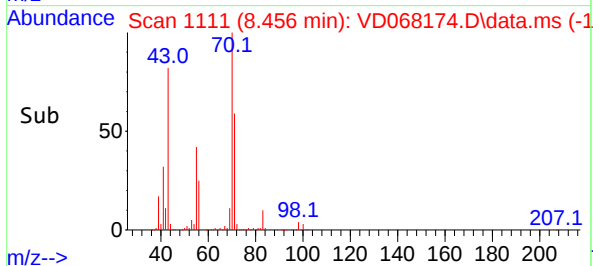
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MSVOA_D
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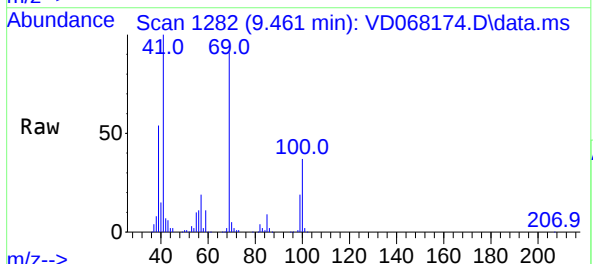
Tgt Ion: 43 Resp: 4530977
Ion Ratio Lower Upper
43 100
61 0.1 28.7 43.1#
87 0.0 13.9 20.9#

Manual Integrations
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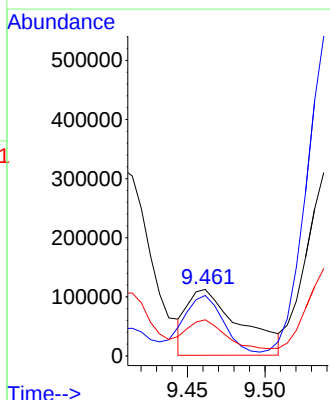
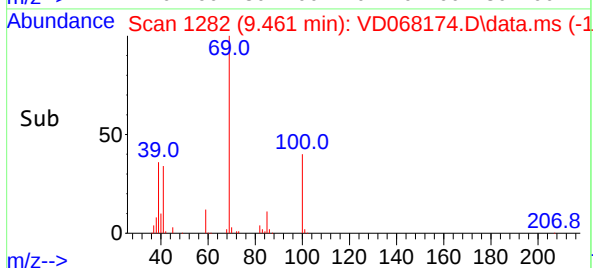
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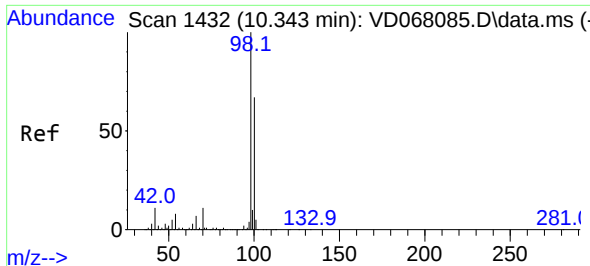


#48
Methyl methacrylate
Concen: 63.71 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45



Tgt Ion: 41 Resp: 263575
Ion Ratio Lower Upper
41 100
69 64.6 77.1 115.7#
39 48.6 41.5 62.3





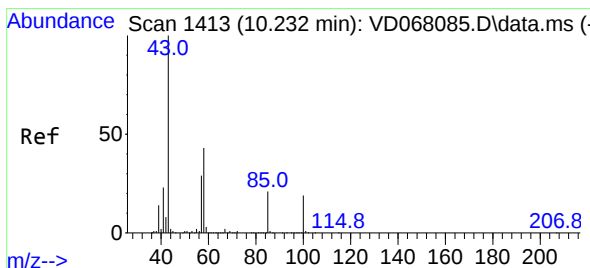
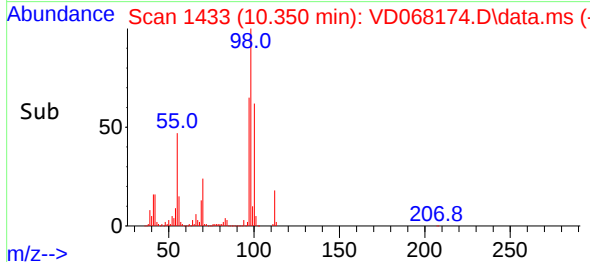
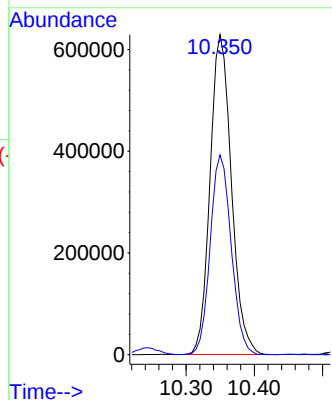
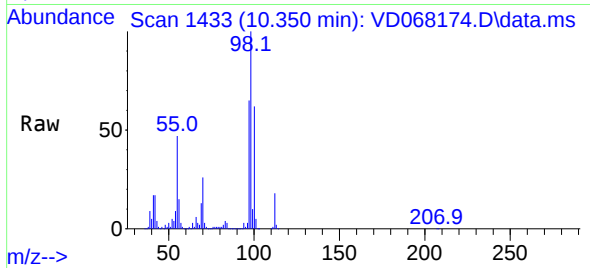
#50
Toluene-d8
Concen: 55.43 ug/l
RT: 10.350 min Scan# 1433
Delta R.T. 0.006 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion: 98 Resp: 1370604
Ion Ratio Lower Upper
98 100
100 61.4 53.0 79.4

Instrument :
MSVOA_D
ClientSampleId :
20796

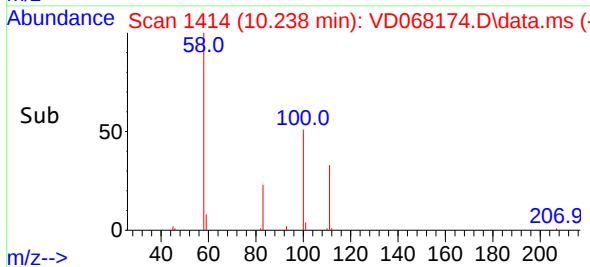
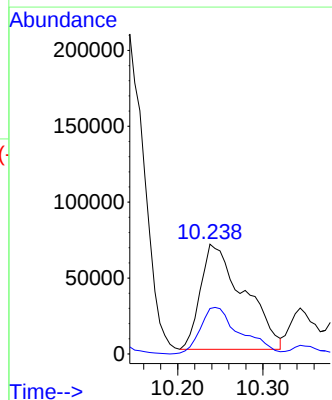
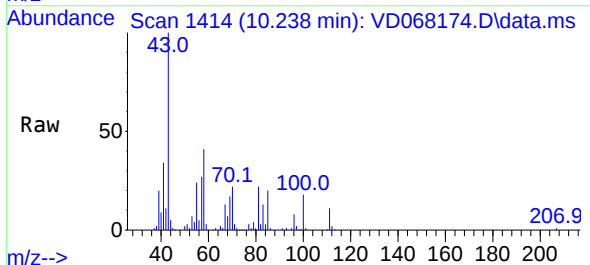
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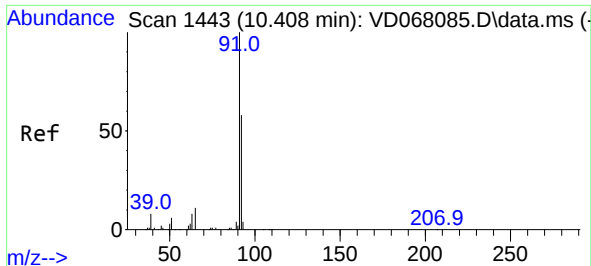
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#51
4-Methyl-2-Pentanone
Concen: 63.49 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.006 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion: 43 Resp: 245332
Ion Ratio Lower Upper
43 100
58 40.4 36.1 54.1





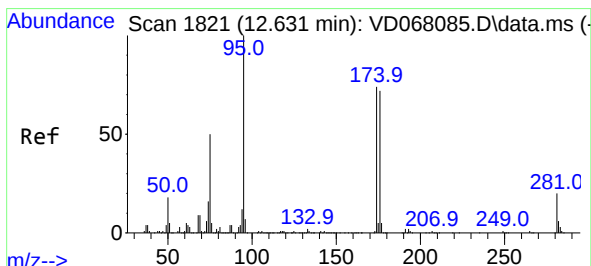
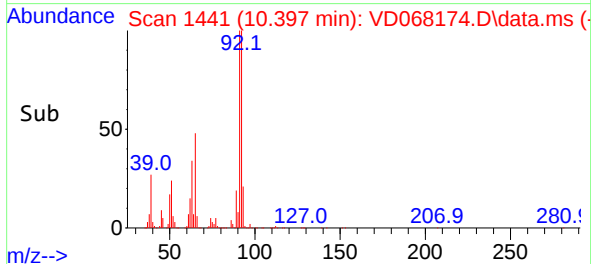
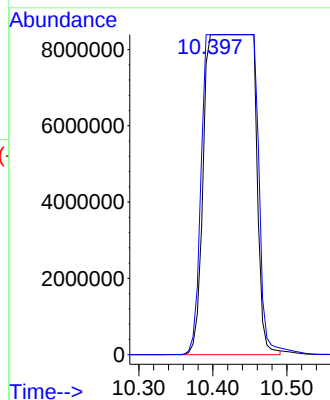
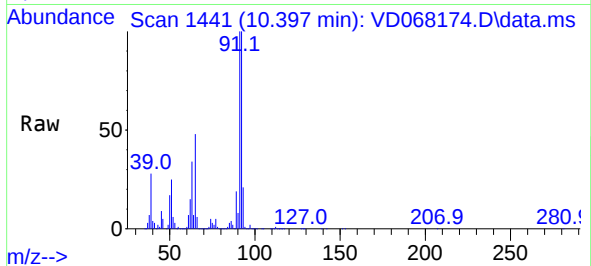
#52
Toluene
Concen: 1884.82 ug/l m
RT: 10.397 min Scan# 1441
Delta R.T. -0.011 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion: 92 Resp: 38716752
Ion Ratio Lower Upper
92 100
91 0.0 134.1 201.1#

Instrument :
MSVOA_D
ClientSampleId :
20796

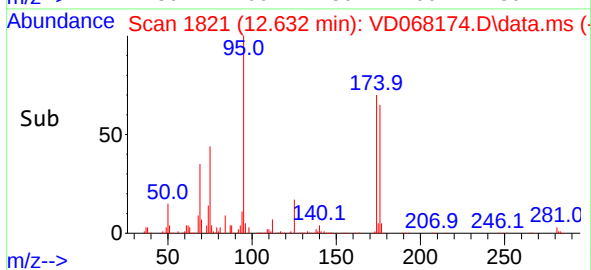
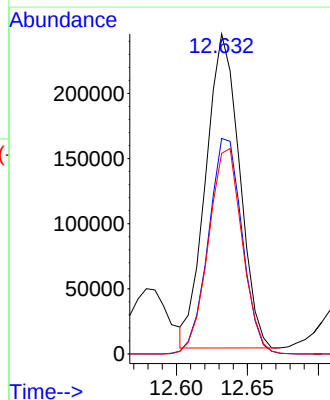
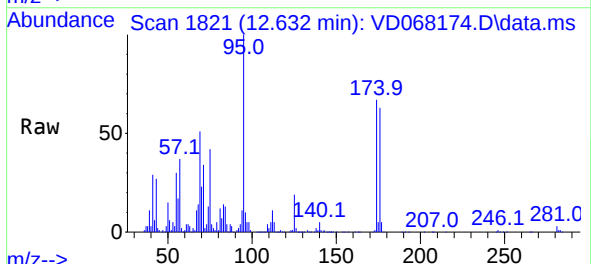
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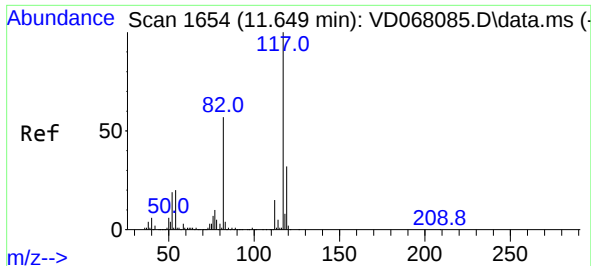
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#62
4-Bromofluorobenzene
Concen: 44.60 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion: 95 Resp: 397117
Ion Ratio Lower Upper
95 100
174 68.9 0.0 172.4
176 65.9 0.0 168.4





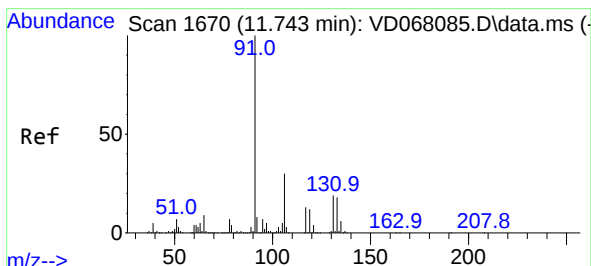
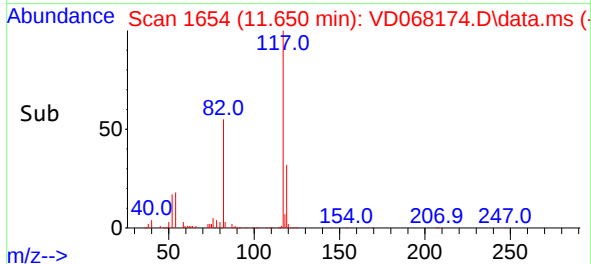
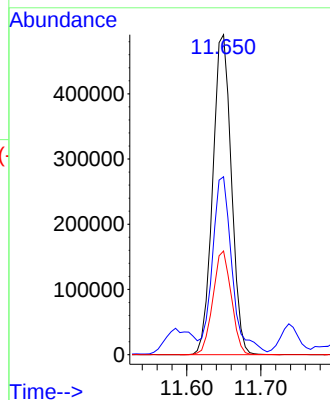
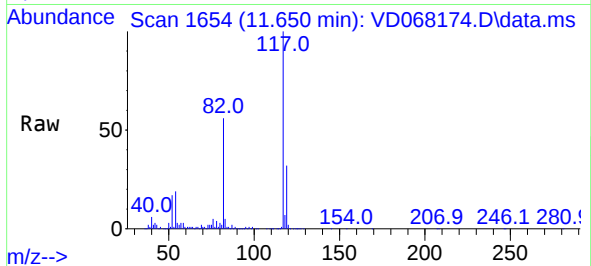
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.650 min Scan# 1654
Delta R.T. 0.001 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion: 117 Resp: 856802
Ion Ratio Lower Upper
117 100
82 50.4 41.4 62.0
119 32.4 26.1 39.1

Instrument :
MSVOA_D
ClientSampleId :
20796

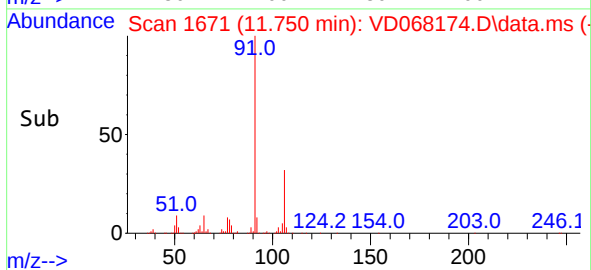
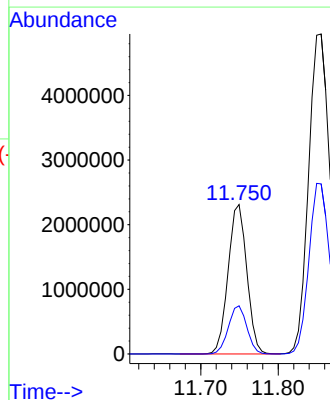
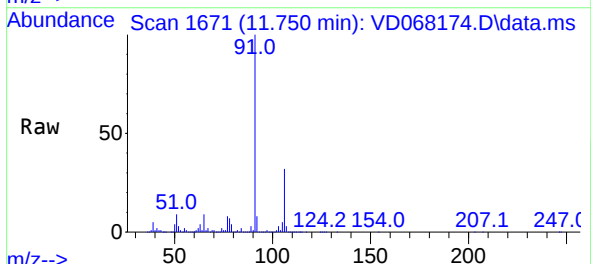
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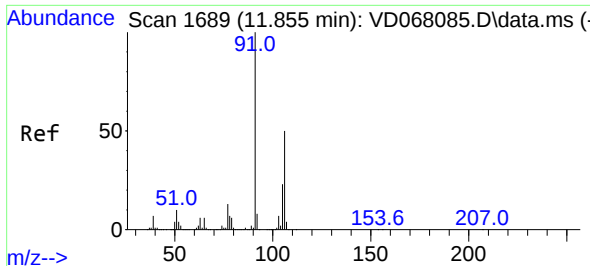
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#67
Ethyl Benzene
Concen: 115.30 ug/l
RT: 11.750 min Scan# 1671
Delta R.T. 0.006 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion: 91 Resp: 3886342
Ion Ratio Lower Upper
91 100
106 32.3 25.9 38.9





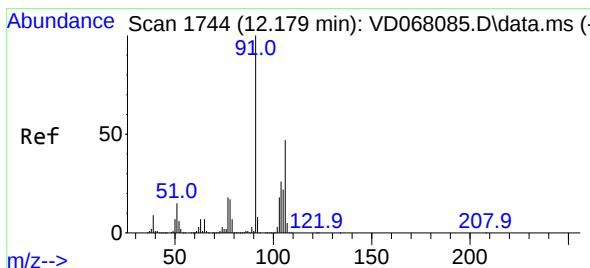
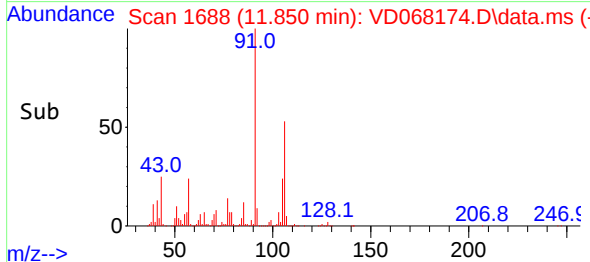
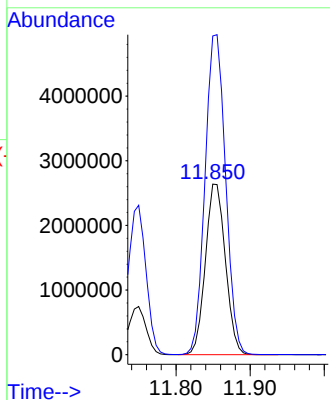
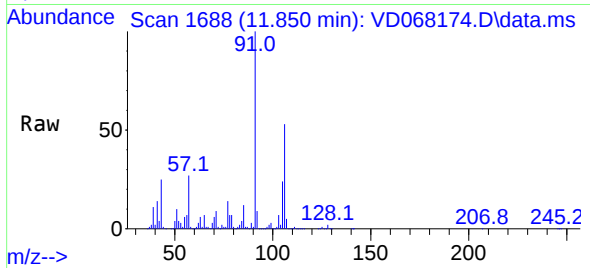
#68
m/p-Xylenes
Concen: 388.24 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion:106 Resp: 4940585
Ion Ratio Lower Upper
106 100
91 192.3 159.1 238.7

Instrument :
MSVOA_D
ClientSampleId :
20796

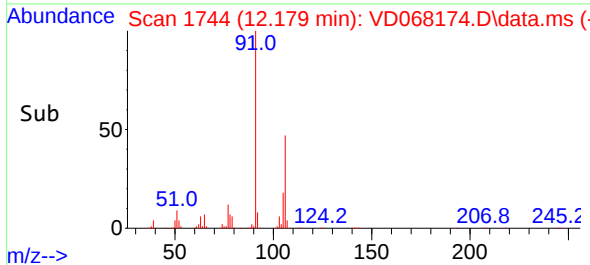
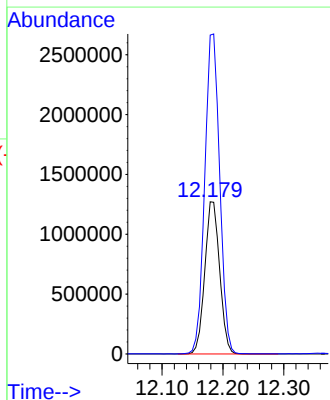
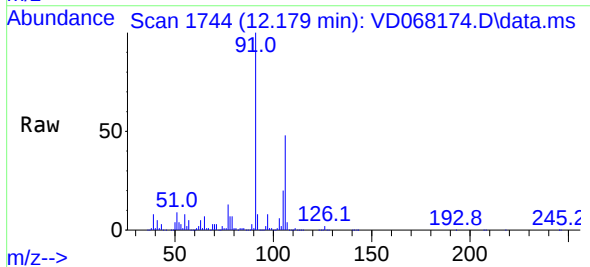
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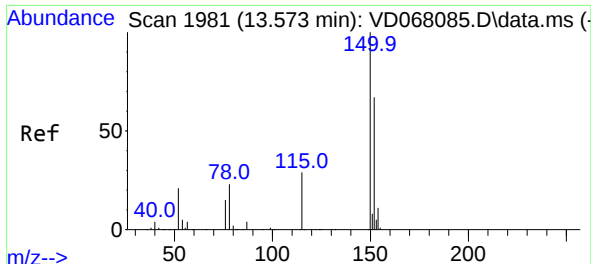
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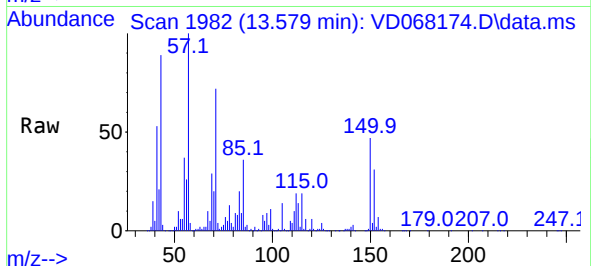
#69
o-Xylene
Concen: 182.15 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion:106 Resp: 2152731
Ion Ratio Lower Upper
106 100
91 212.0 108.7 325.9

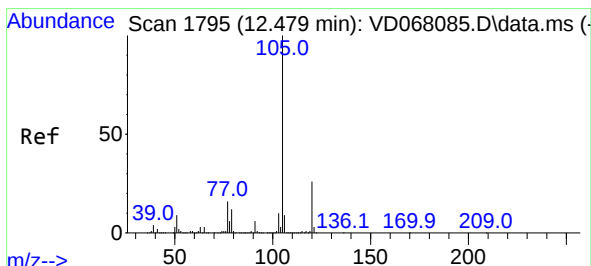
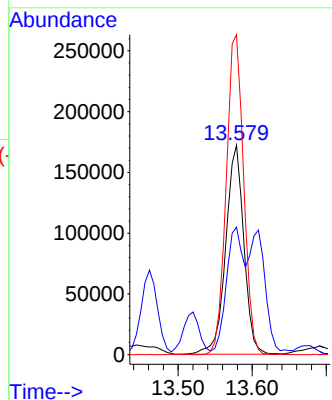
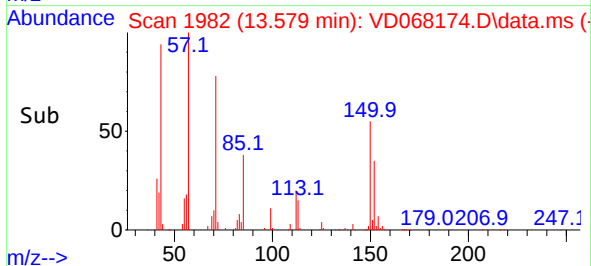




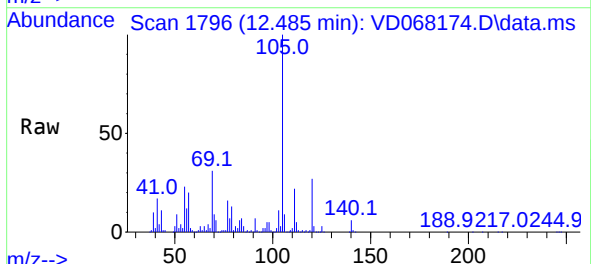
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45



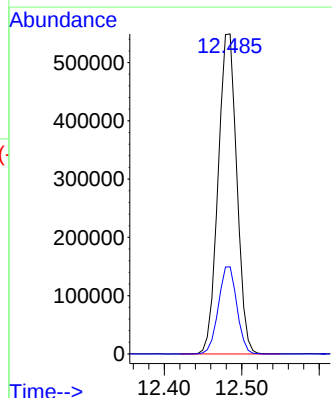
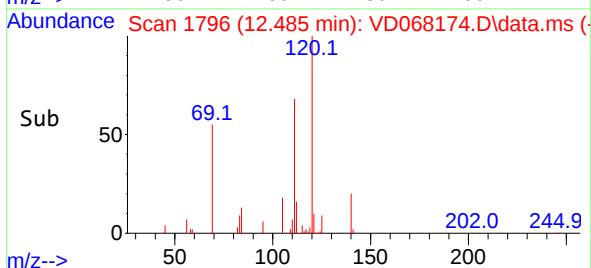
Tgt Ion:152 Resp: 292252
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.8
150 147.2 0.0 344.4



#73
Isopropylbenzene
Concen: 37.89 ug/l
RT: 12.485 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45



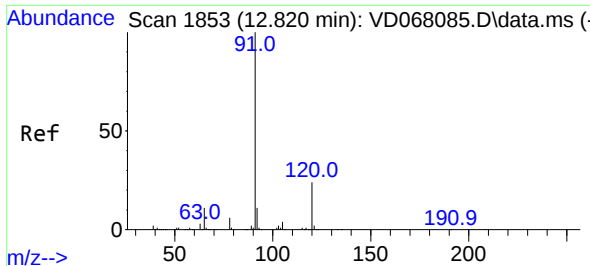
Tgt Ion:105 Resp: 921456
Ion Ratio Lower Upper
105 100
120 26.9 13.2 39.6



Instrument :
MSVOA_D
ClientSampleId :
20796

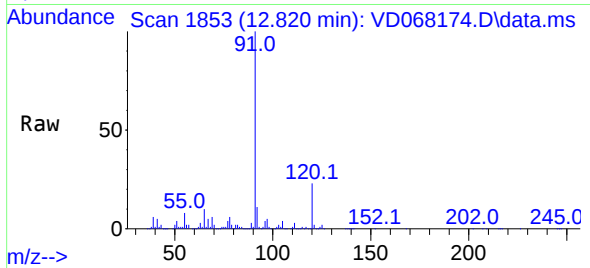
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#78
n-propylbenzene
Concen: 87.85 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

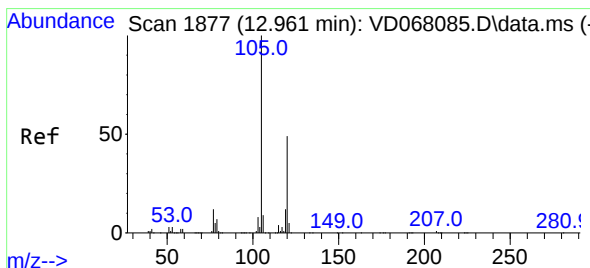
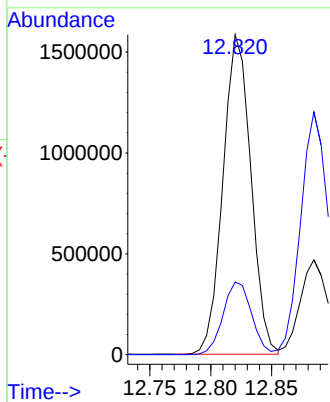
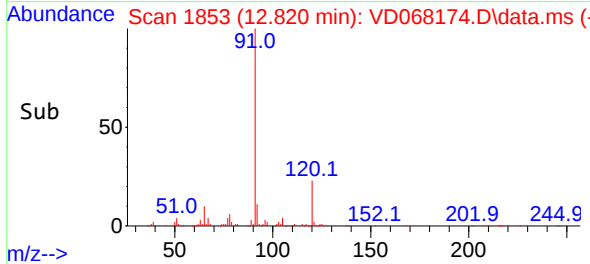
Instrument :
MSVOA_D
ClientSampled :
20796



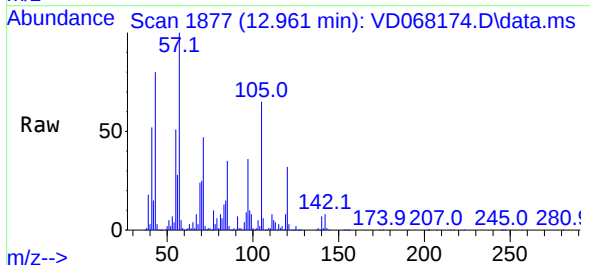
Tgt Ion: 91 Resp: 2527622
Ion Ratio Lower Upper
91 100
120 23.1 12.0 36.0

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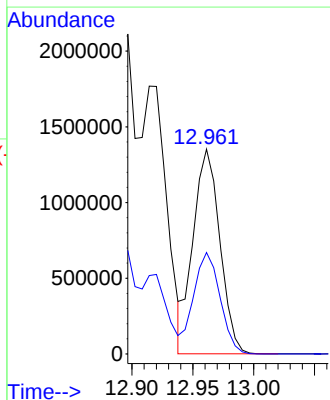
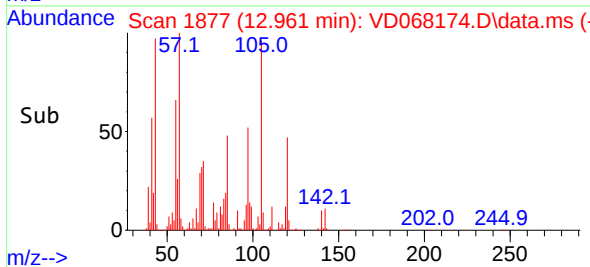
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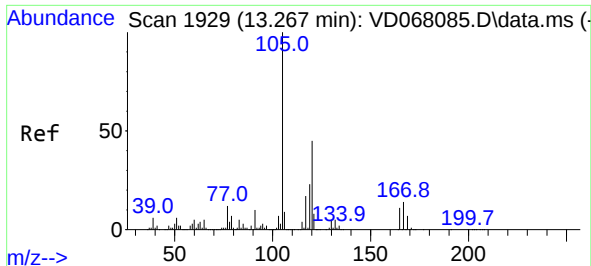


#80
1,3,5-Trimethylbenzene
Concen: 102.18 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45



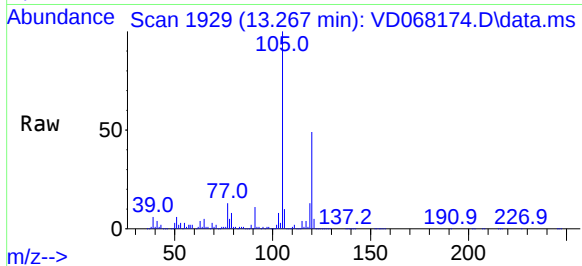
Tgt Ion: 105 Resp: 2069477
Ion Ratio Lower Upper
105 100
120 49.4 24.2 72.6





#84
1,2,4-Trimethylbenzene
Concen: 357.11 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

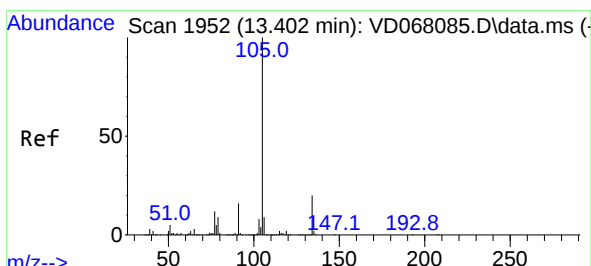
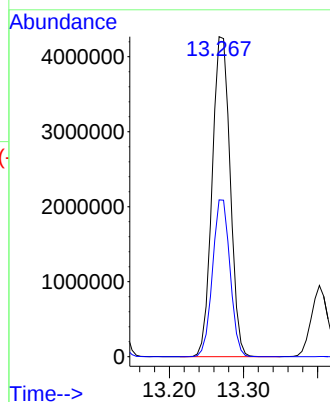
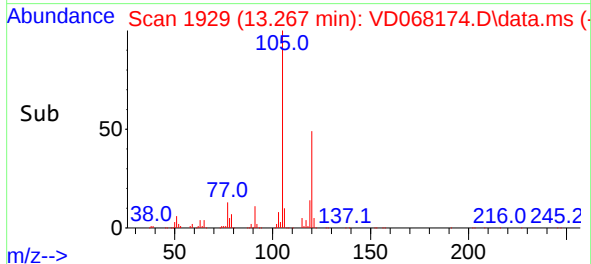
Instrument :
MSVOA_D
ClientSampleId :
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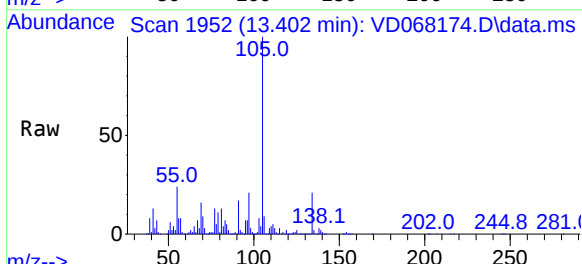
Tgt Ion:105 Resp: 7179002
Ion Ratio Lower Upper
105 100
120 47.7 22.4 67.0

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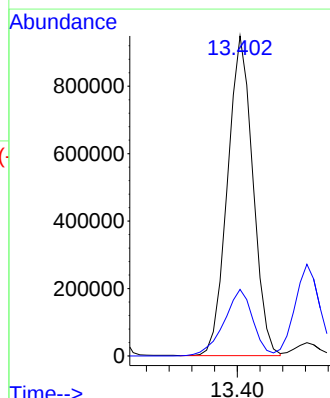
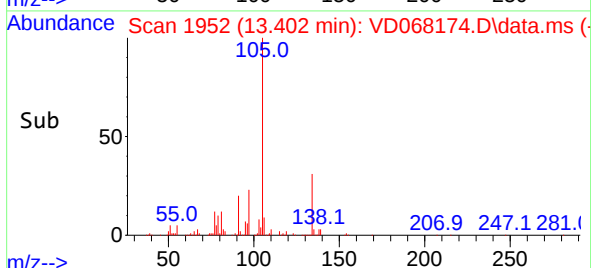
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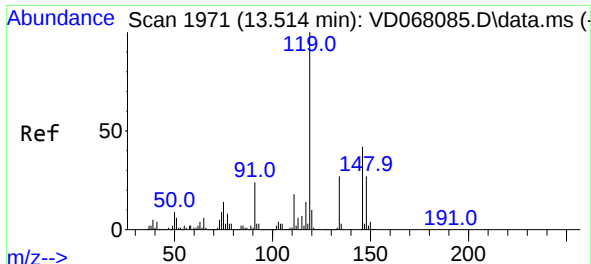


#85
sec-Butylbenzene
Concen: 61.16 ug/l
RT: 13.402 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45



Tgt Ion:105 Resp: 1468264
Ion Ratio Lower Upper
105 100
134 23.8 10.3 30.9





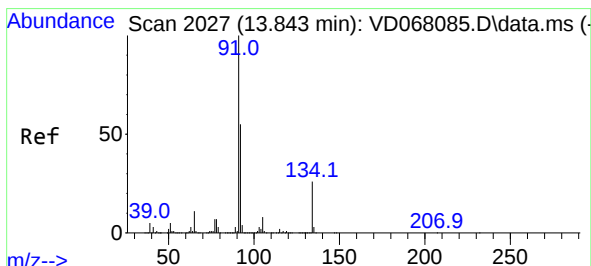
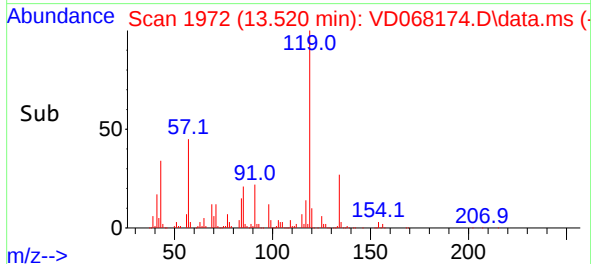
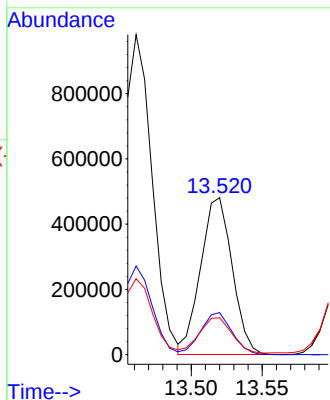
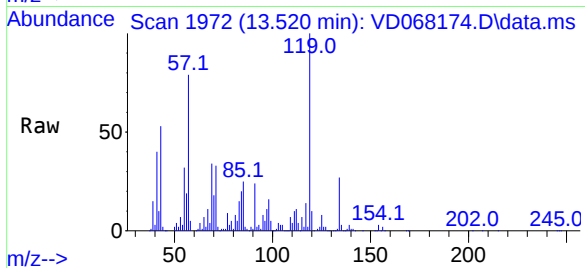
#86
p-Isopropyltoluene
Concen: 34.10 ug/l
RT: 13.520 min Scan# 1972
Delta R.T. 0.006 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion: 119 Resp: 744564
Ion Ratio Lower Upper
119 100
134 26.6 12.9 38.7
91 22.8 11.7 35.0

Instrument :
MSVOA_D
ClientSampled :
20796

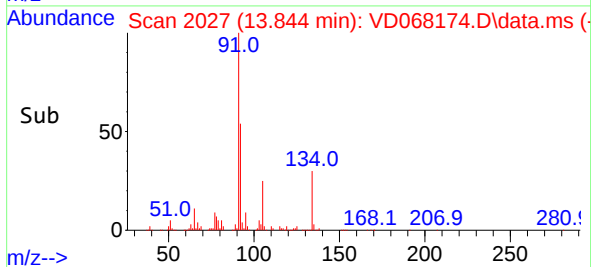
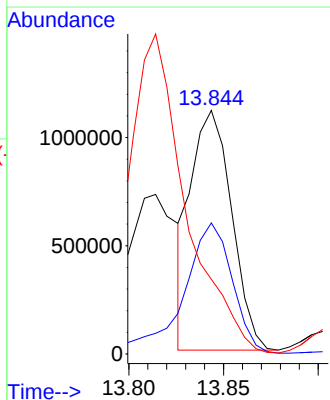
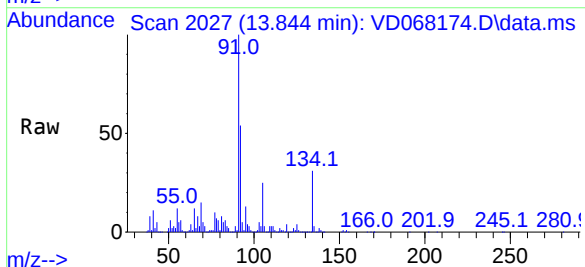
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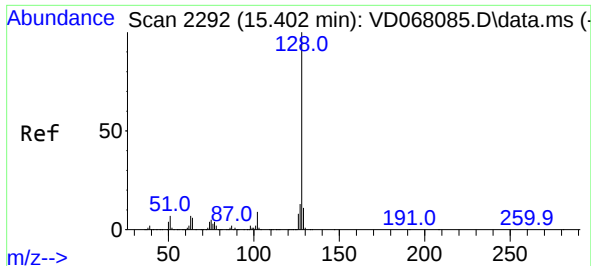
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#89
n-Butylbenzene
Concen: 78.86 ug/l
RT: 13.844 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion: 91 Resp: 1652367
Ion Ratio Lower Upper
91 100
92 64.4 27.2 81.6
134 0.0 13.9 41.7#





#95
Naphthalene
Concen: 209.43 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068174.D
Acq: 25 Jan 2021 17:45

Tgt Ion:128 Resp: 2311315

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.3	8.8	13.2

Instrument :
MSVOA_D
ClientSampleId :
20796

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