

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
 Data File : VD068713.D
 Acq On : 29 Mar 2021 22:15
 Operator : VA/SY
 Sample : M1836-04
 Misc : 11.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B2-10-12

Manual Integrations
 APPROVED

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 3/30/2021 7:23:40 PM

Quant Time: Mar 30 01:09:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	614427	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.873	114	1161081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	1096219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	584942	50.00	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.344	65	319917	51.64	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.28%			
35) Dibromofluoromethane	7.920	113	293035	40.56	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 81.12%			
50) Toluene-d8	10.350	98	2160086	77.56	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 155.12%#			
62) 4-Bromofluorobenzene	12.632	95	756831	83.81	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 167.62%#			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.238	59	305579	1070.36	ug/l	# 73
17) Carbon Disulfide	4.409	76	18206	1.17	ug/l	98
19) Methyl tert-butyl Ether	5.462	73	41838698m	3420.34	ug/l	
31) Cyclohexane	7.985	56	19299526	1930.62	ug/l	# 73
39) Methylcyclohexane	9.361	83	22113656	1727.63	ug/l	# 74
40) Benzene	8.338	78	34265133m	1132.45	ug/l	
52) Toluene	10.391	92	41789158m	2182.47	ug/l	
67) Ethyl Benzene	11.732	91	32272111m	857.48	ug/l	
68) m/p-Xylenes	11.838	106	39472859m	2691.93	ug/l	
69) o-Xylene	12.173	106	27991964m	2059.80	ug/l	
73) Isopropylbenzene	12.479	105	15649608	389.39	ug/l	90
78) n-propylbenzene	12.808	91	24270219m	507.20	ug/l	
80) 1,3,5-Trimethylbenzene	12.867	105	65390918m	2011.81	ug/l	
84) 1,2,4-Trimethylbenzene	13.255	105	32319946m	962.56	ug/l	
85) sec-Butylbenzene	13.402	105	5314173	131.96	ug/l	# 51
86) p-Isopropyltoluene	13.514	119	2762217	75.38	ug/l	98
89) n-Butylbenzene	13.843	91	9573494	275.21	ug/l	# 66
95) Naphthalene	15.390	128	21275893	1171.11	ug/l	# 85

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

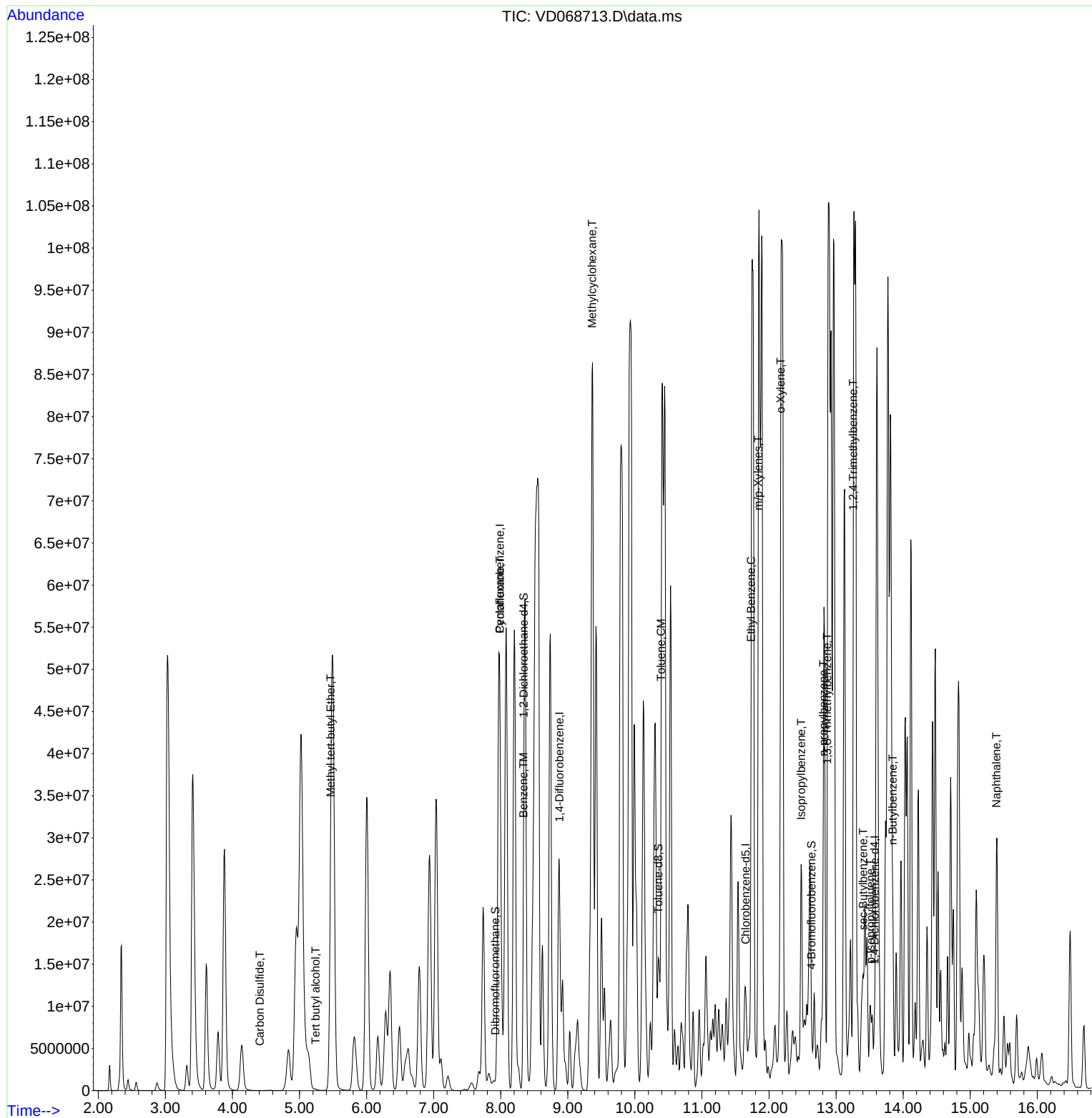
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068713.D
Acq On : 29 Mar 2021 22:15
Operator : VA/SY
Sample : M1836-04
Misc : 11.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

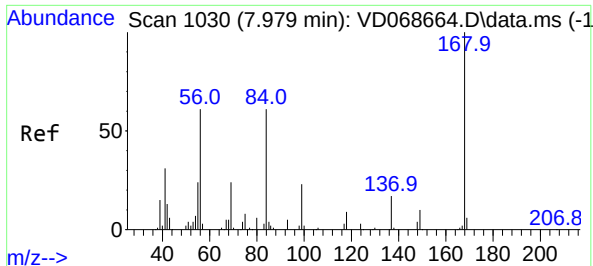
Instrument :
MSVOA_D
ClientSampleId :
B2-10-12

Manual Integrations
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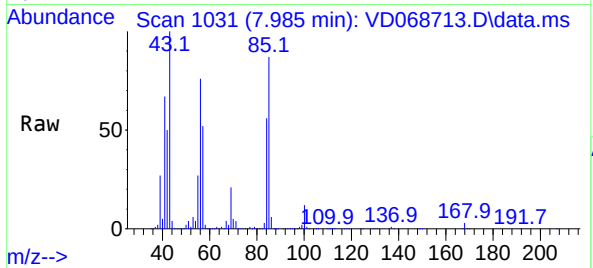
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3/30/2021 7:23:40 PM

Quant Time: Mar 30 01:09:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
Response via : Initial Calibration

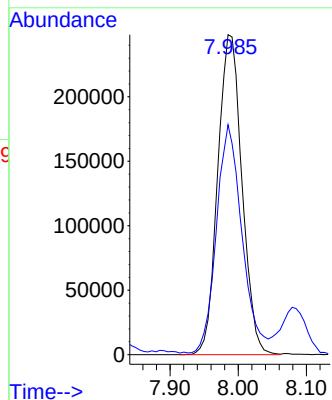




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15



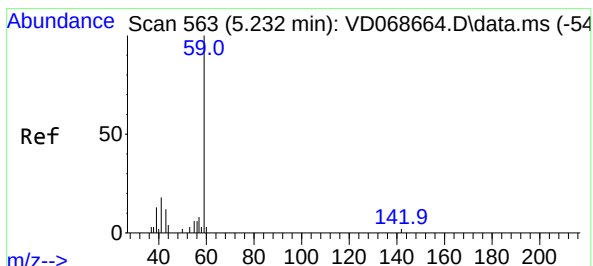
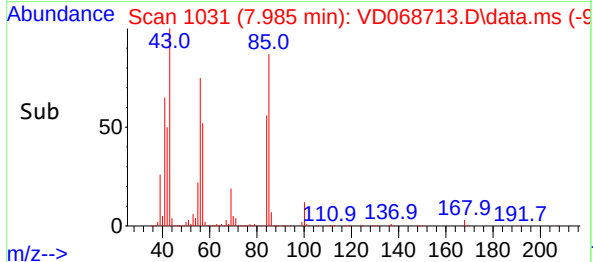
Tgt Ion: 168 Resp: 614427
Ion Ratio Lower Upper
168 100
99 71.3 46.2 69.2#



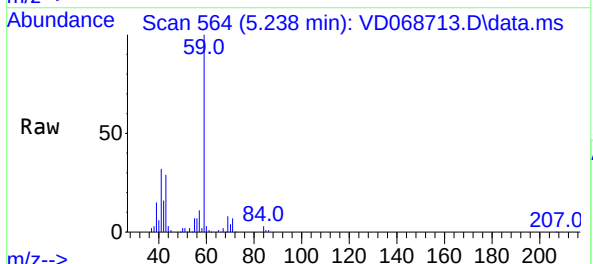
Instrument :
MSVOA_D
ClientSampleId :
B2-10-12

Manual Integrations
APPROVED

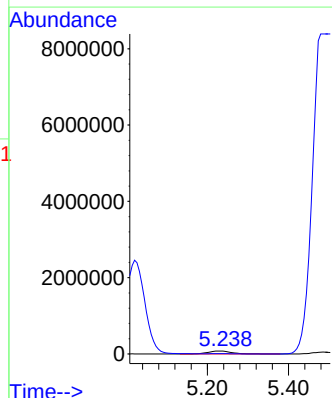
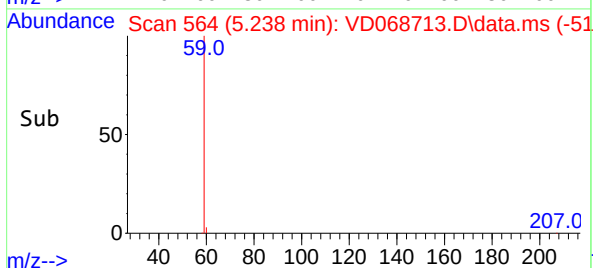
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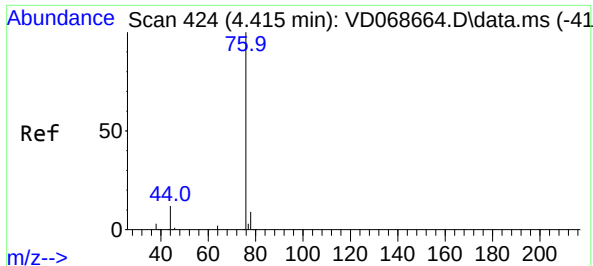


#11
Tert butyl alcohol
Concen: 1070.36 ug/l
RT: 5.238 min Scan# 564
Delta R.T. 0.006 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15



Tgt Ion: 59 Resp: 305579
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





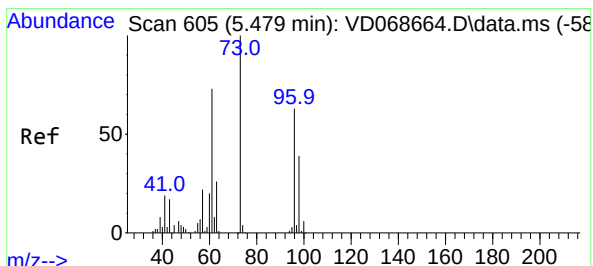
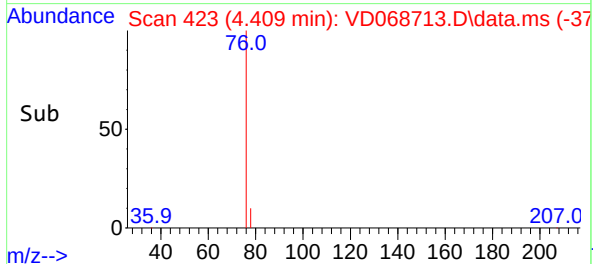
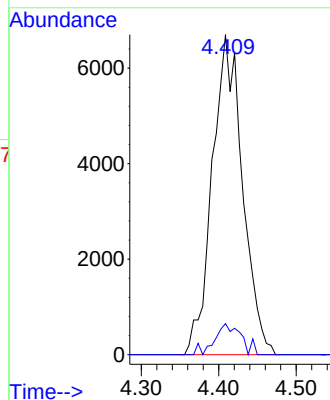
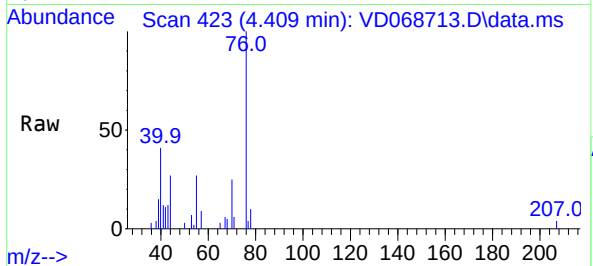
#17
Carbon Disulfide
Concen: 1.17 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

Tgt Ion: 76 Resp: 18206
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9

Instrument :
MSVOA_D
ClientSampleId :
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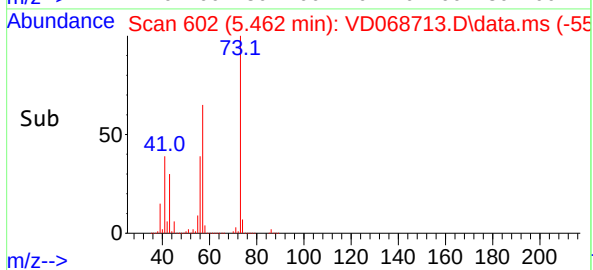
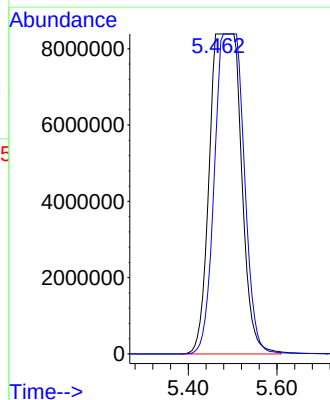
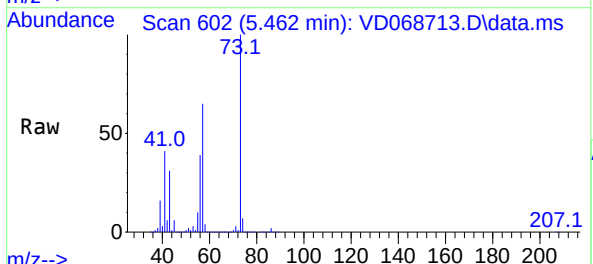
Manual Integrations
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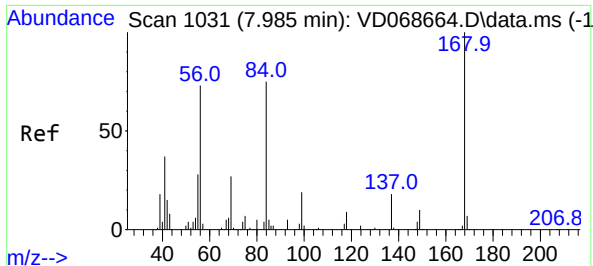
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#19
Methyl tert-butyl Ether
Concen: 3420.34 ug/l m
RT: 5.462 min Scan# 602
Delta R.T. -0.018 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

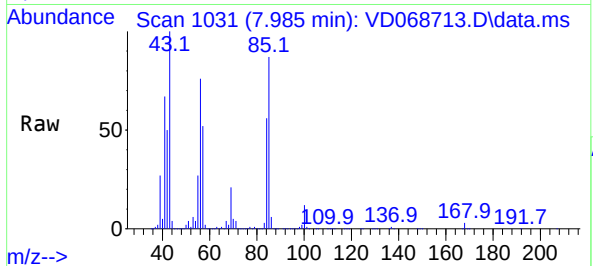
Tgt Ion: 73 Resp: 41838698
Ion Ratio Lower Upper
73 100
57 65.1 17.3 25.9#





#31
Cyclohexane
Concen: 1930.62 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

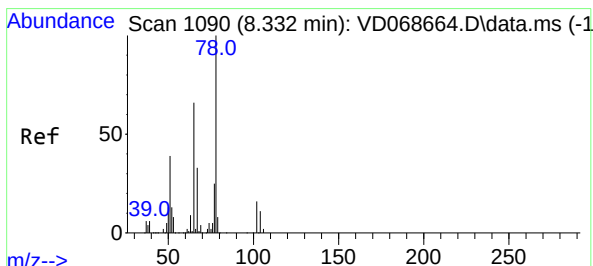
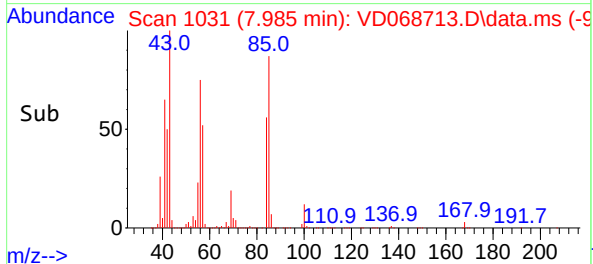
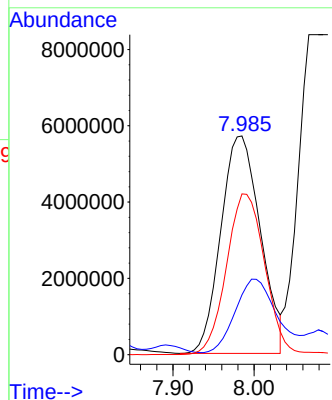
Instrument :
MSVOA_D
ClientSampled :
B2-10-12



Tgt Ion: 56 Resp:19299526
Ion Ratio Lower Upper
56 100
69 24.4 30.0 45.0#
84 73.9 82.0 123.0#

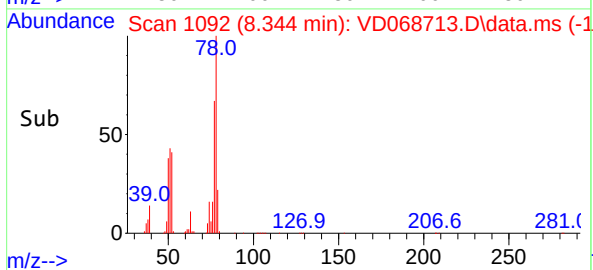
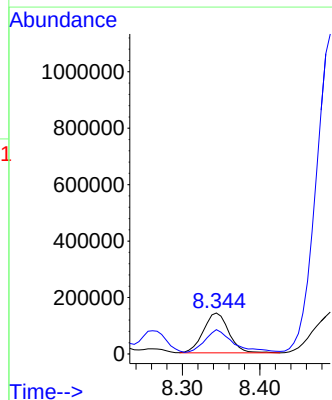
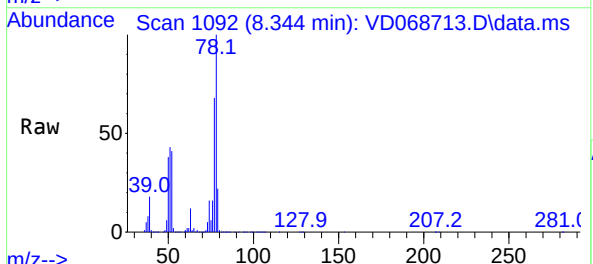
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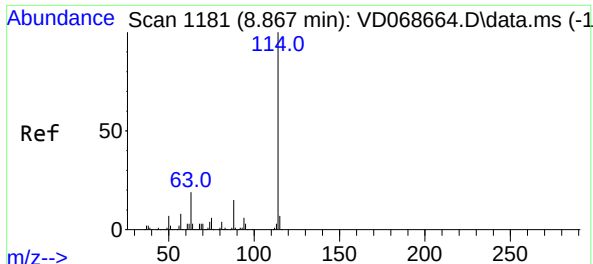
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#33
1,2-Dichloroethane-d4
Concen: 51.64 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. 0.012 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

Tgt Ion: 65 Resp: 319917
Ion Ratio Lower Upper
65 100
67 62.9 0.0 106.0





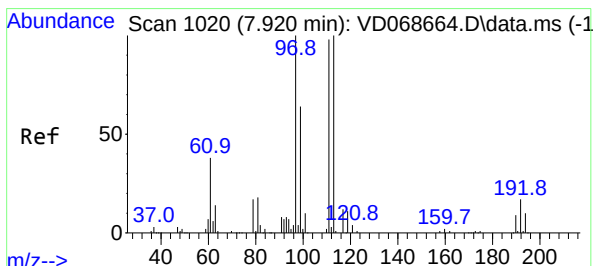
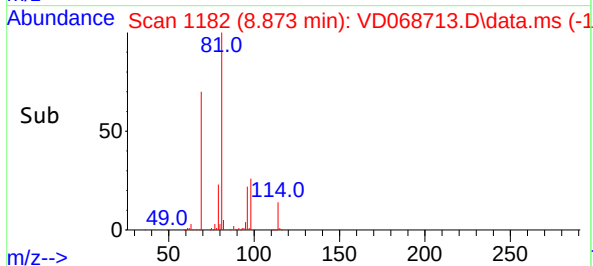
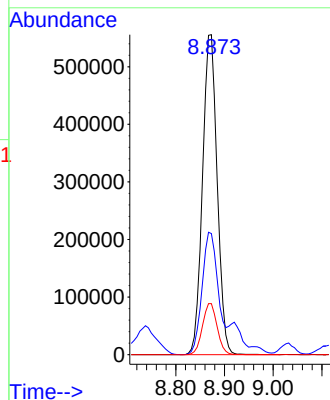
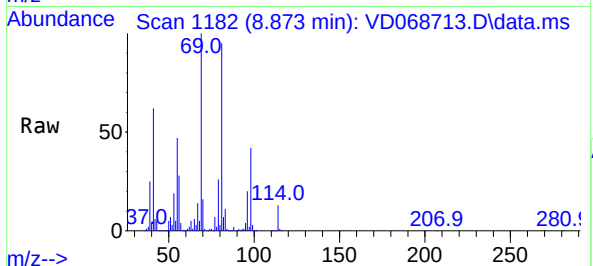
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.873 min Scan# 1182
Delta R.T. 0.006 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

Tgt Ion:114 Resp: 1161081
Ion Ratio Lower Upper
114 100
63 37.8 0.0 38.2
88 15.9 0.0 29.4

Instrument :
MSVOA_D
ClientSampleId :
B2-10-12

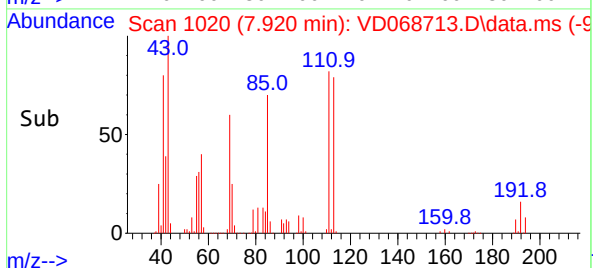
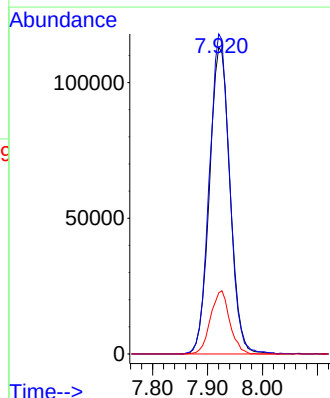
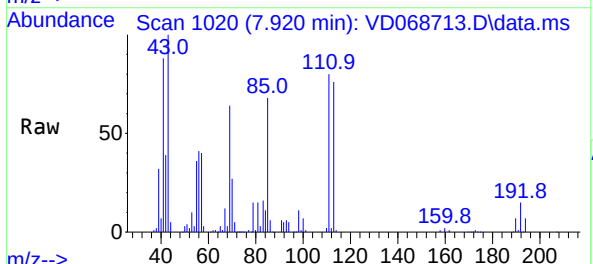
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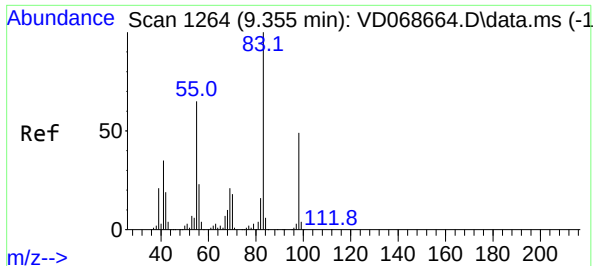
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#35
Dibromofluoromethane
Concen: 40.56 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

Tgt Ion:113 Resp: 293035
Ion Ratio Lower Upper
113 100
111 102.7 82.5 123.7
192 19.3 15.1 22.7





#39

Methylcyclohexane

Concen: 1727.63 ug/l

RT: 9.361 min Scan# 1265

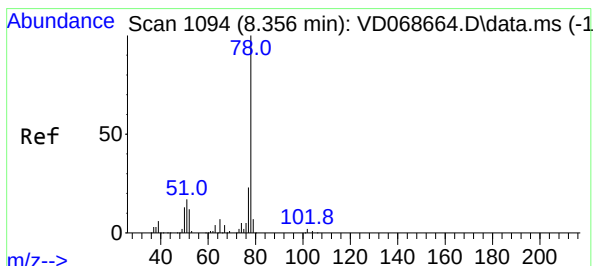
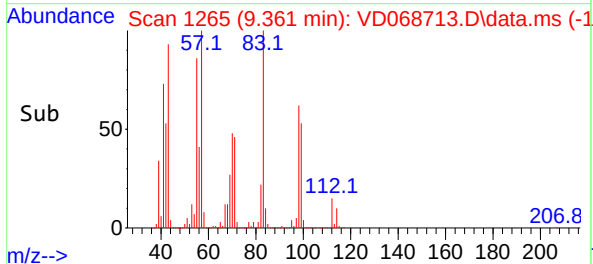
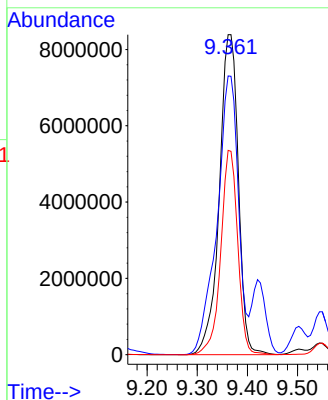
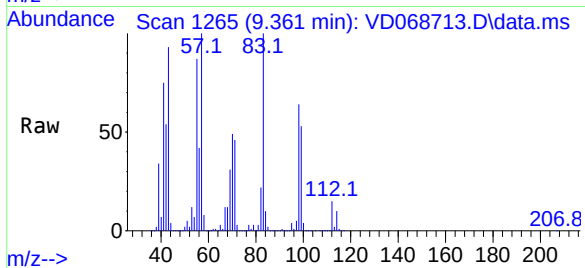
Delta R.T. 0.006 min

Lab File: VD068713.D

Acq: 29 Mar 2021 22:15

Tgt Ion: 83 Resp:22113656

Ion	Ratio	Lower	Upper
83	100		
55	87.1	51.7	77.5#
98	63.9	38.8	58.2#



#40

Benzene

Concen: 1132.45 ug/l m

RT: 8.338 min Scan# 1091

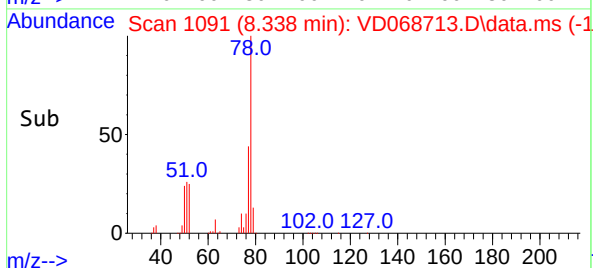
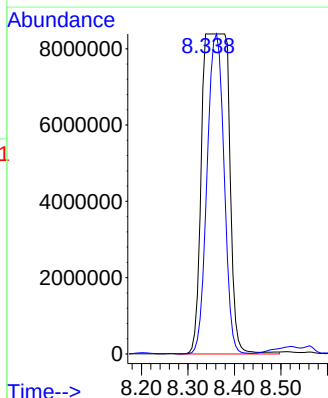
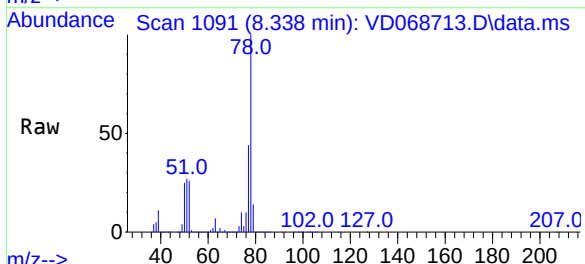
Delta R.T. -0.018 min

Lab File: VD068713.D

Acq: 29 Mar 2021 22:15

Tgt Ion: 78 Resp:34265133

Ion	Ratio	Lower	Upper
78	100		
77	44.0	18.2	27.2#



Instrument :

MSVOA_D

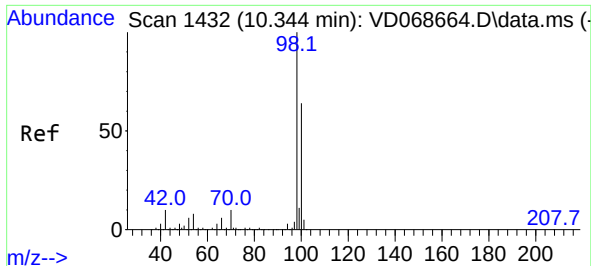
ClientSampleId :

B2-10-12

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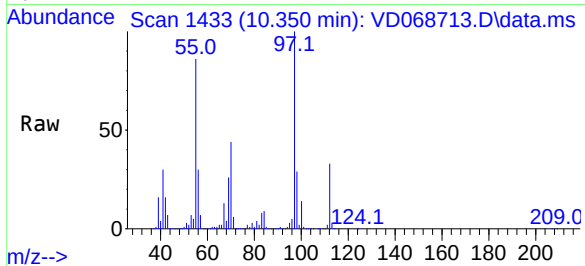
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#50
Toluene-d8
Concen: 77.56 ug/l
RT: 10.350 min Scan# 1433
Delta R.T. 0.006 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

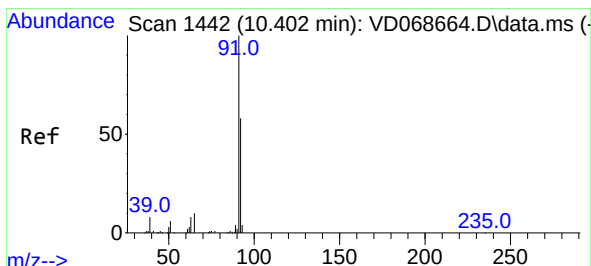
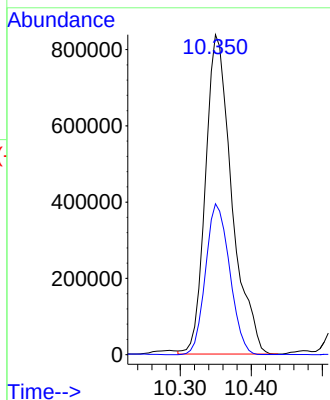
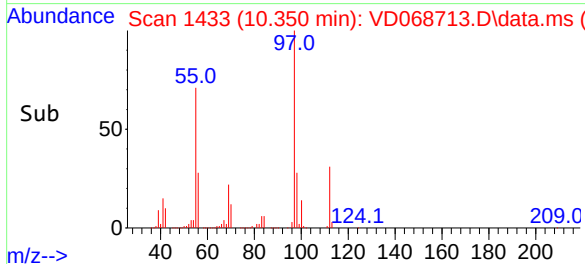
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MSVOA_D
ClientSampleId :
B2-10-12



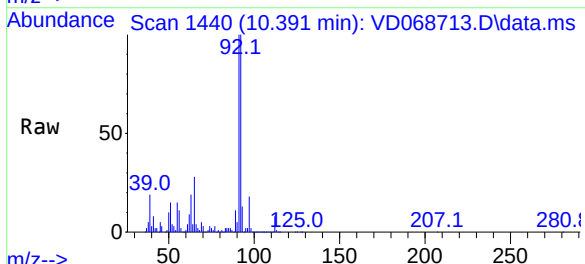
Tgt Ion: 98 Resp: 2160086
Ion Ratio Lower Upper
98 100
100 43.2 51.8 77.6#

Manual Integrations
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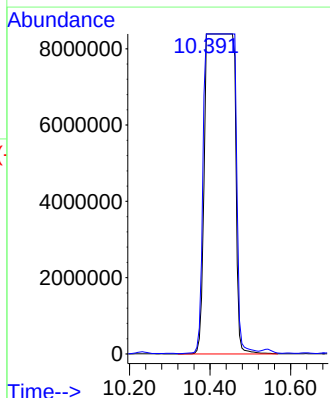
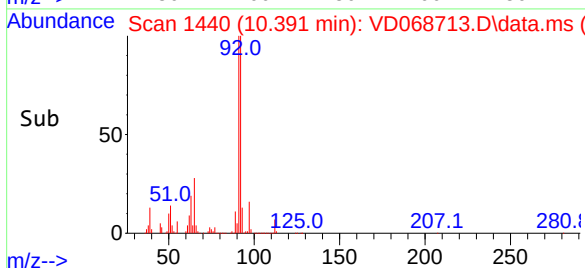
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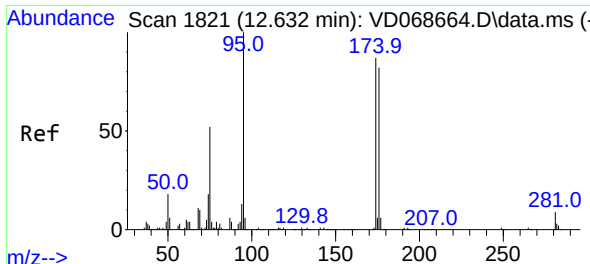


#52
Toluene
Concen: 2182.47 ug/l m
RT: 10.391 min Scan# 1440
Delta R.T. -0.012 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

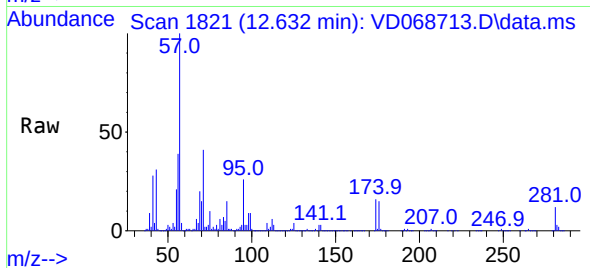


Tgt Ion: 92 Resp: 41789158
Ion Ratio Lower Upper
92 100
91 0.0 139.1 208.7#

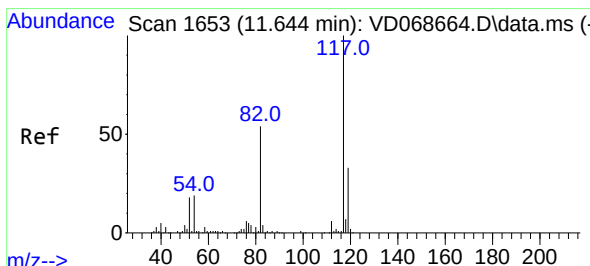
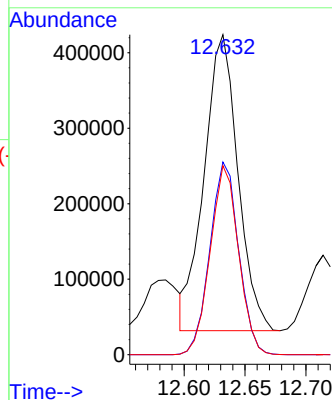
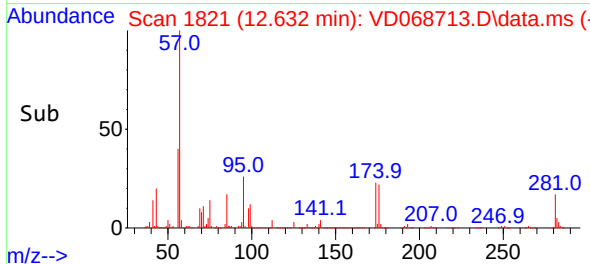




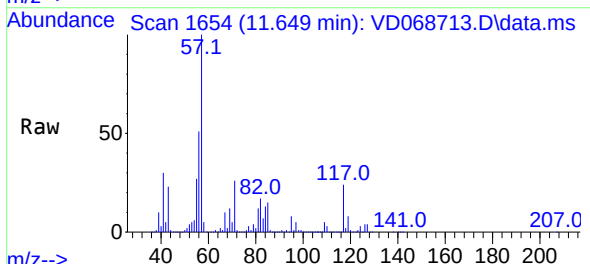
#62
4-Bromofluorobenzene
Concen: 83.81 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15



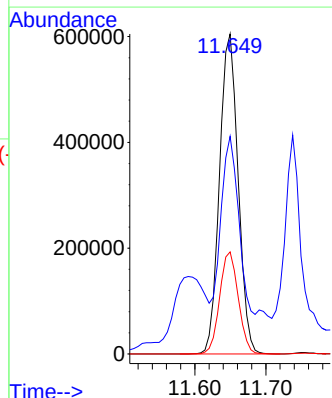
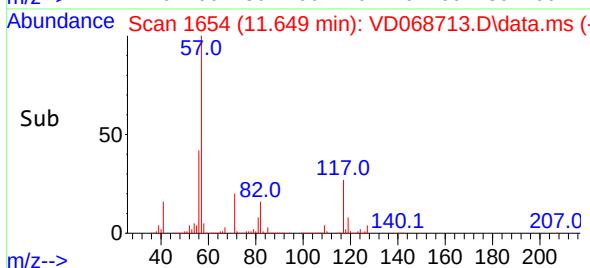
Tgt Ion: 95 Resp: 756831
Ion Ratio Lower Upper
95 100
174 55.4 0.0 168.0
176 53.5 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.006 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15



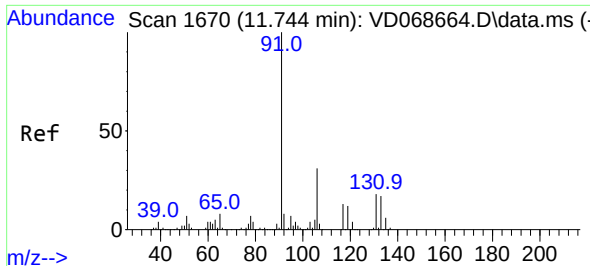
Tgt Ion: 117 Resp: 1096219
Ion Ratio Lower Upper
117 100
82 47.4 43.5 65.3
119 31.9 26.7 40.1



Instrument :
MSVOA_D
ClientSampleId :
B2-10-12

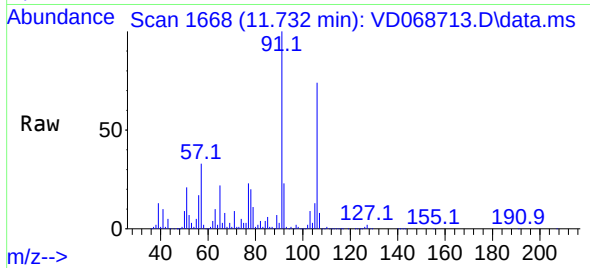
Manual Integrations
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#67
Ethyl Benzene
Concen: 857.48 ug/l m
RT: 11.732 min Scan# 1668
Delta R.T. -0.012 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

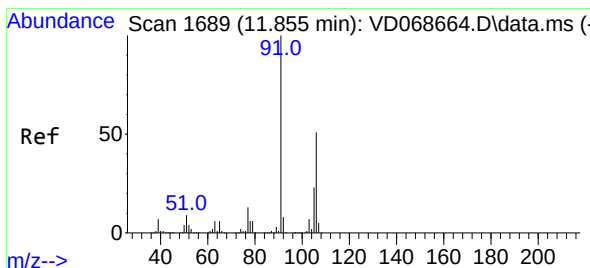
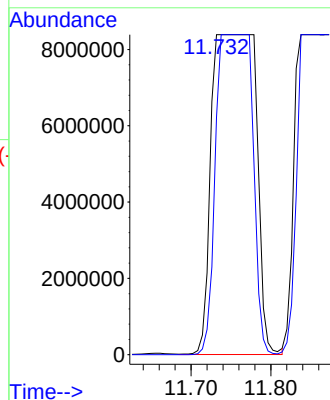
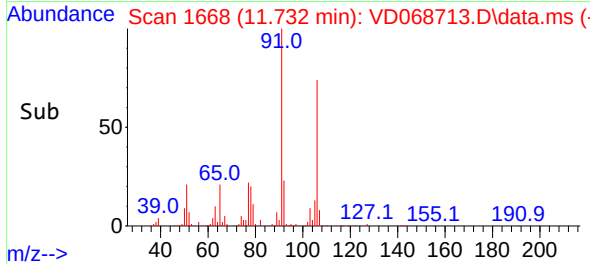
Instrument :
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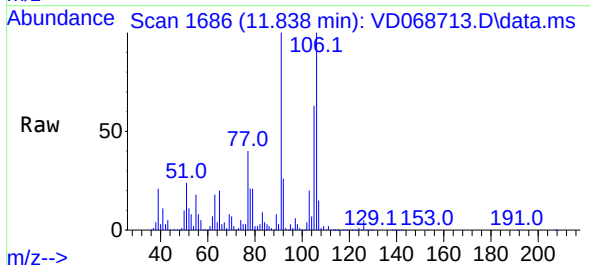
Tgt Ion: 91 Resp:32272111
Ion Ratio Lower Upper
91 100
106 74.2 25.1 37.7#

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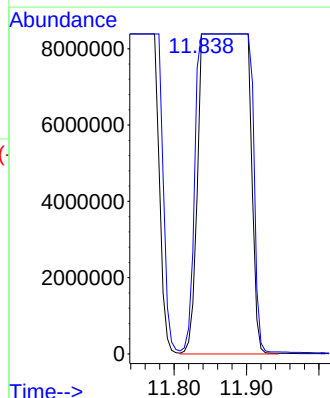
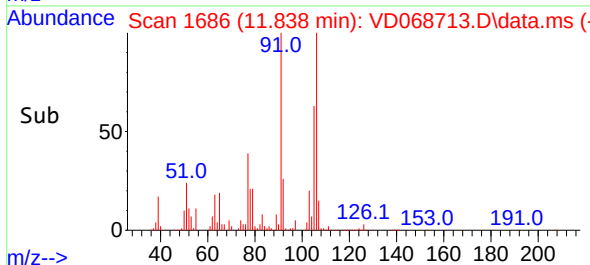
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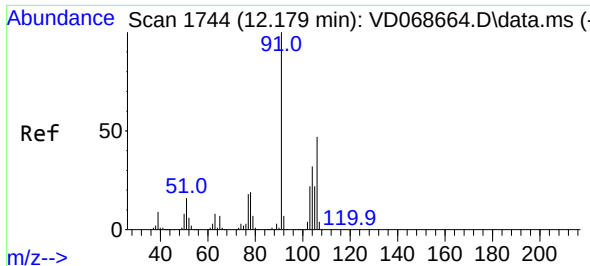


#68
m/p-Xylenes
Concen: 2691.93 ug/l m
RT: 11.838 min Scan# 1686
Delta R.T. -0.018 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15



Tgt Ion:106 Resp:39472859
Ion Ratio Lower Upper
106 100
91 0.0 158.6 238.0#





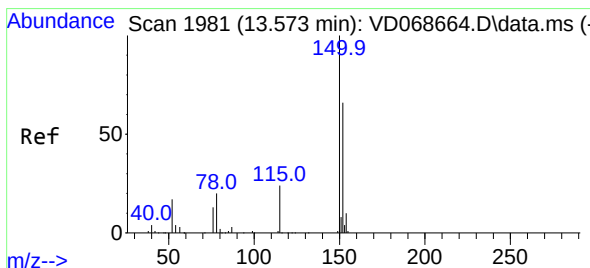
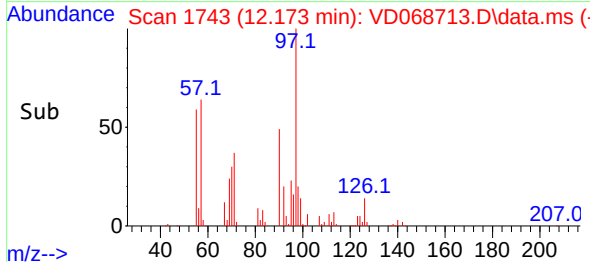
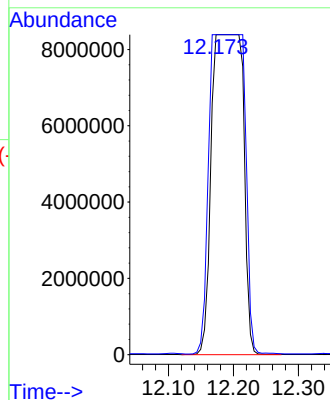
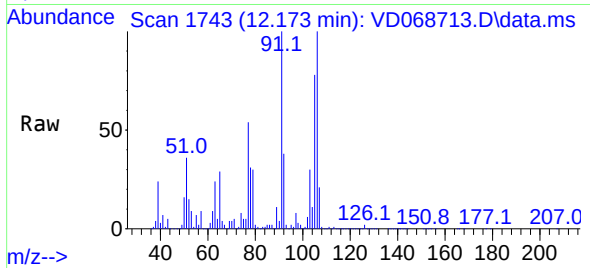
#69
o-Xylene
Concen: 2059.80 ug/l m
RT: 12.173 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

Tgt Ion:106 Resp:27991964
Ion Ratio Lower Upper
106 100
91 0.0 105.0 315.0#

Instrument :
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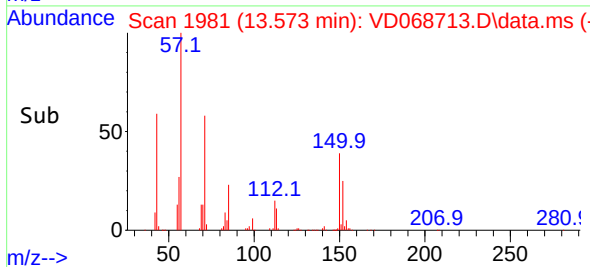
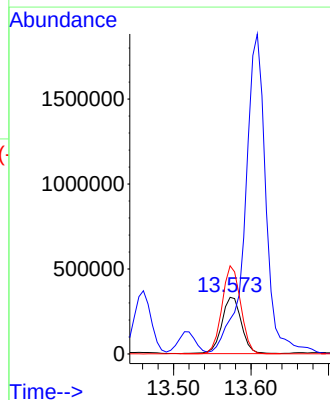
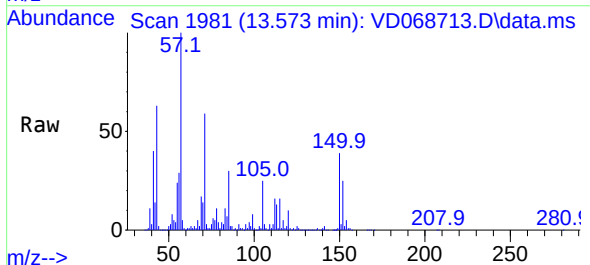
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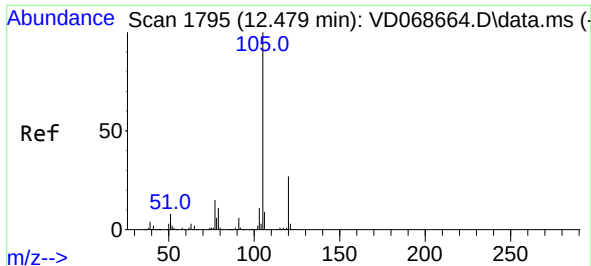
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

Tgt Ion:152 Resp: 584942
Ion Ratio Lower Upper
152 100
115 0.0 29.3 87.8#
150 148.3 0.0 347.6





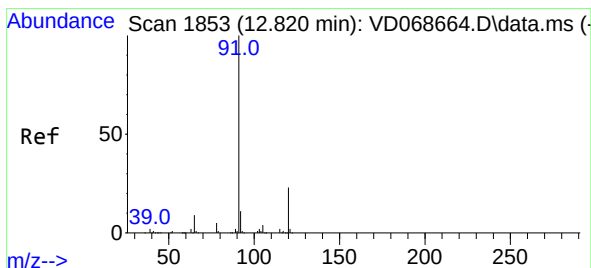
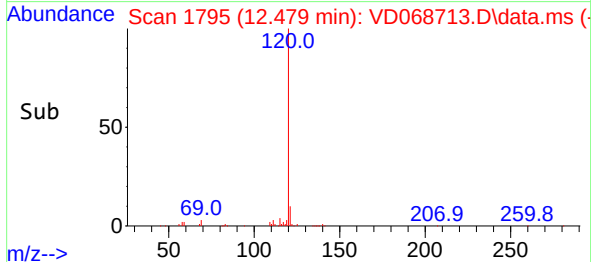
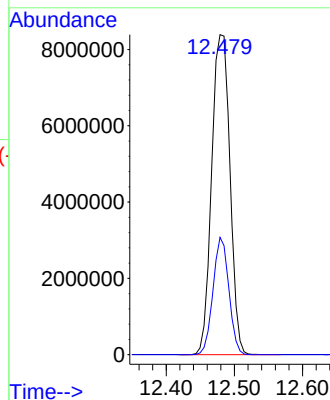
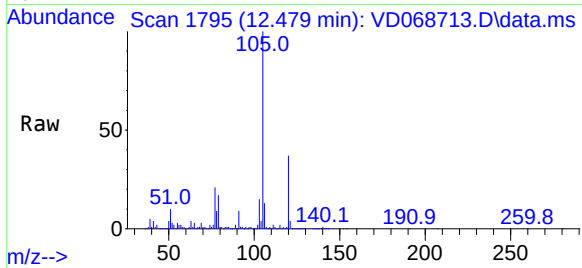
#73
Isopropylbenzene
Concen: 389.39 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

Tgt Ion:105 Resp:15649608
Ion Ratio Lower Upper
105 100
120 31.8 13.4 40.2

Instrument :
MSVOA_D
ClientSampled :
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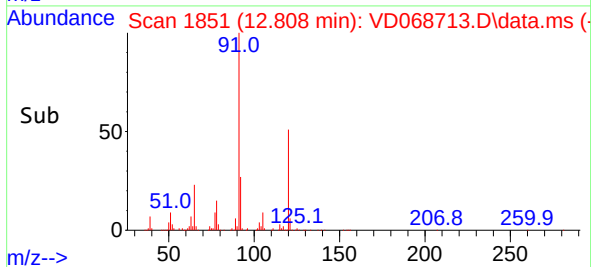
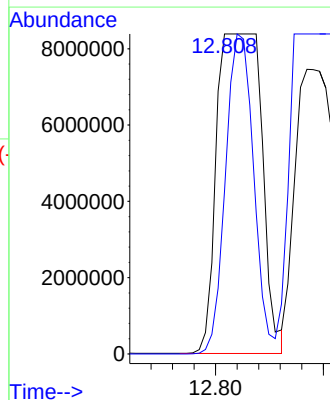
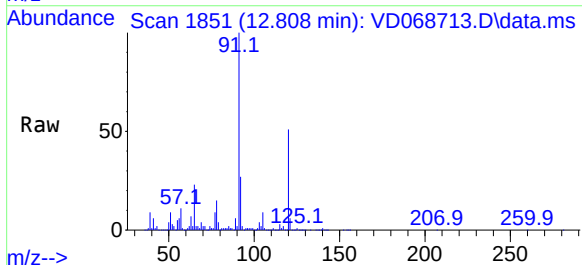
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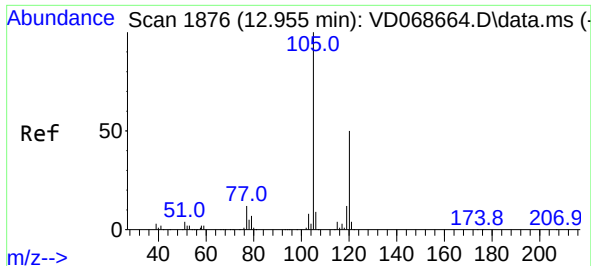
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#78
n-propylbenzene
Concen: 507.20 ug/l m
RT: 12.808 min Scan# 1851
Delta R.T. -0.012 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

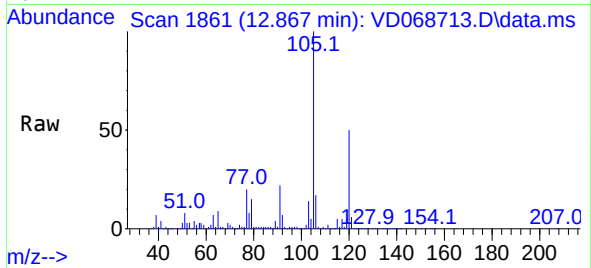
Tgt Ion: 91 Resp:24270219
Ion Ratio Lower Upper
91 100
120 10.7 11.4 34.2#





#80
1,3,5-Trimethylbenzene
Concen: 2011.81 ug/l m
RT: 12.867 min Scan# 1861
Delta R.T. -0.088 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15

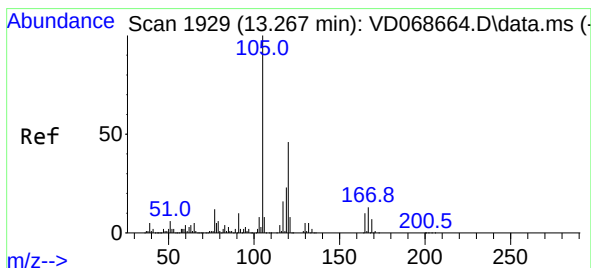
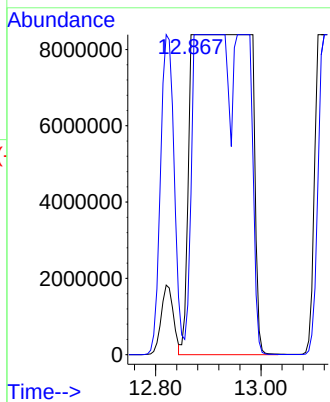
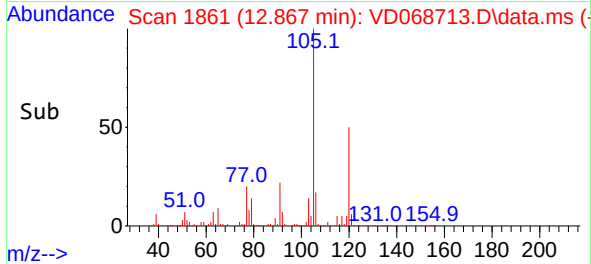
Instrument :
MSVOA_D
ClientSampleId :
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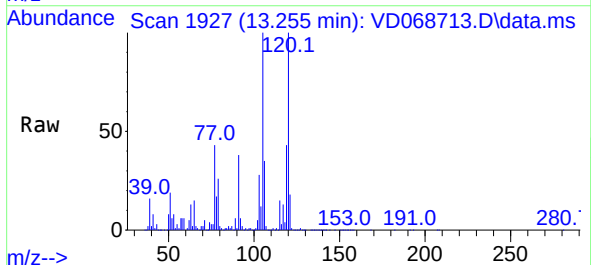
Tgt Ion:105 Resp:65390918
Ion Ratio Lower Upper
105 100
120 4.0 24.9 74.7#

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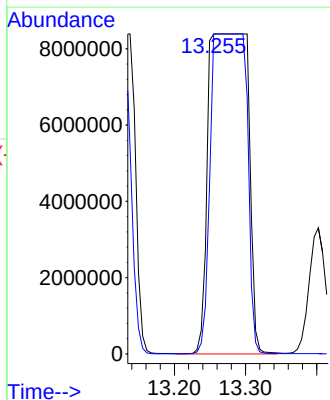
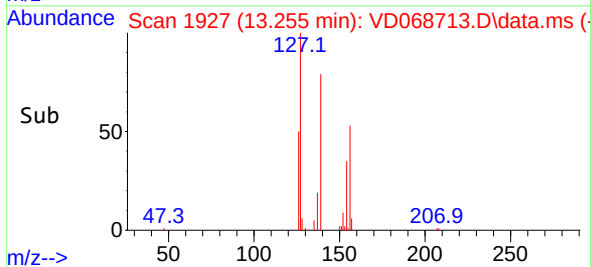
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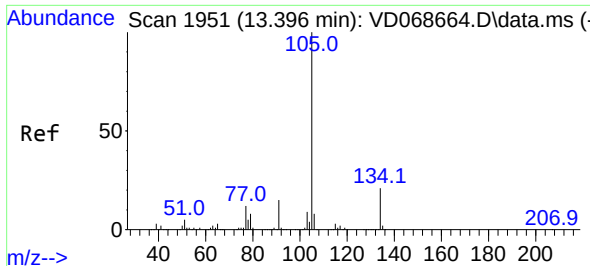


#84
1,2,4-Trimethylbenzene
Concen: 962.56 ug/l m
RT: 13.255 min Scan# 1927
Delta R.T. -0.012 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15



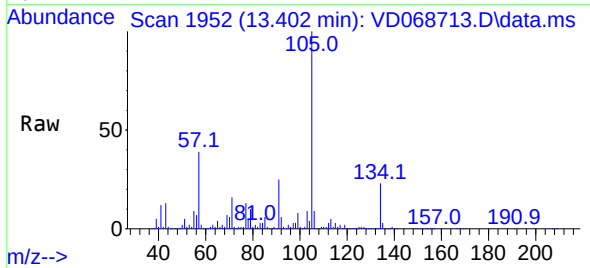
Tgt Ion:105 Resp:32319946
Ion Ratio Lower Upper
105 100
120 0.0 22.6 67.7#





#85
 sec-Butylbenzene
 Concen: 131.96 ug/l
 RT: 13.402 min Scan# 1952
 Delta R.T. 0.006 min
 Lab File: VD068713.D
 Acq: 29 Mar 2021 22:15

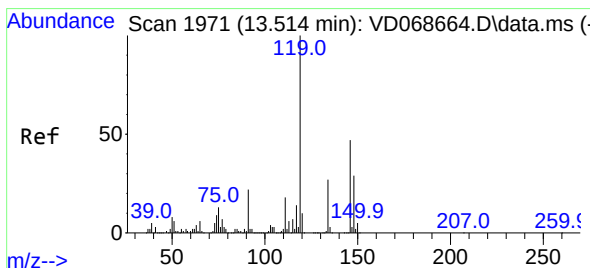
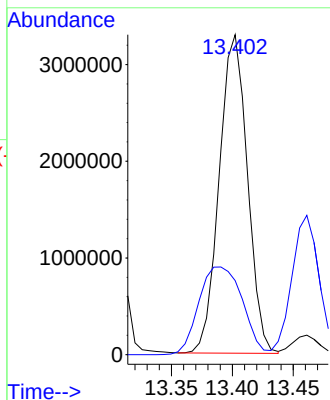
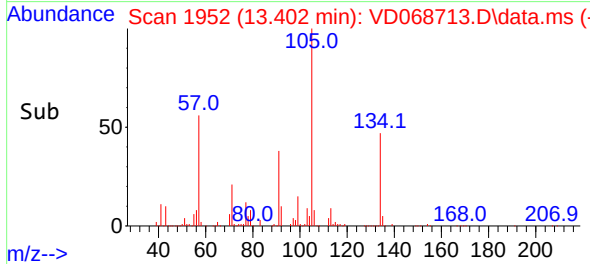
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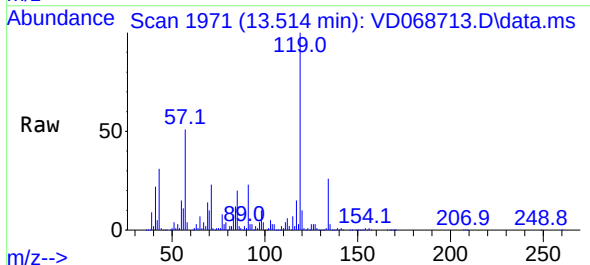
Tgt Ion:105 Resp: 5314173
 Ion Ratio Lower Upper
 105 100
 134 42.5 10.0 29.8#

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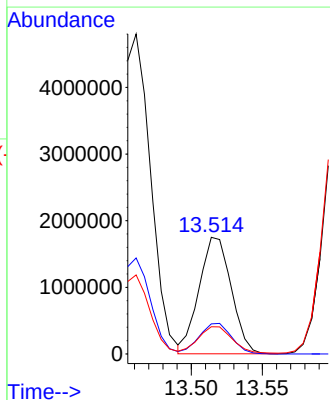
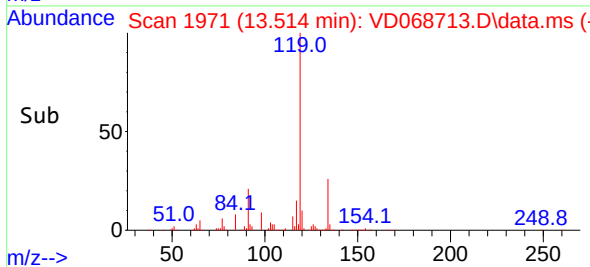
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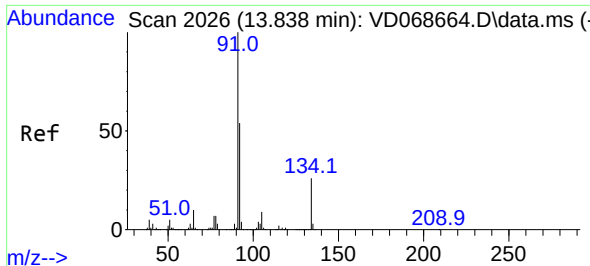


#86
 p-Isopropyltoluene
 Concen: 75.38 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. 0.000 min
 Lab File: VD068713.D
 Acq: 29 Mar 2021 22:15

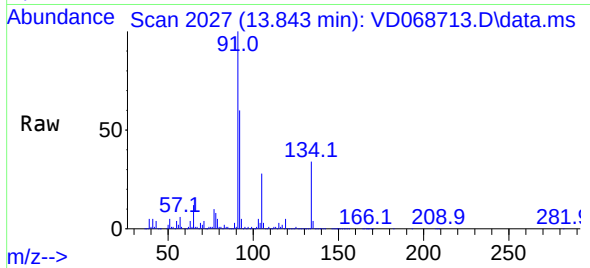


Tgt Ion:119 Resp: 2762217
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.9
 91 23.6 11.1 33.1

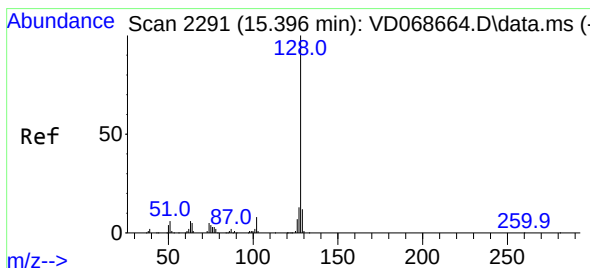
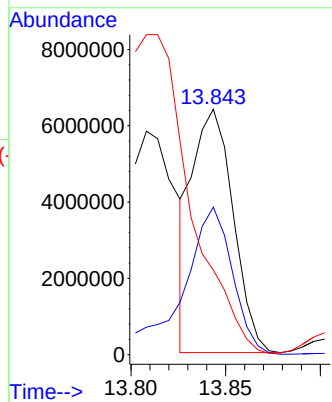
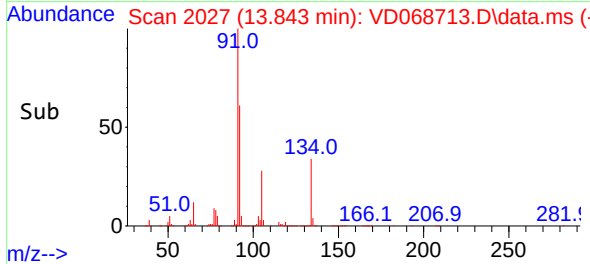




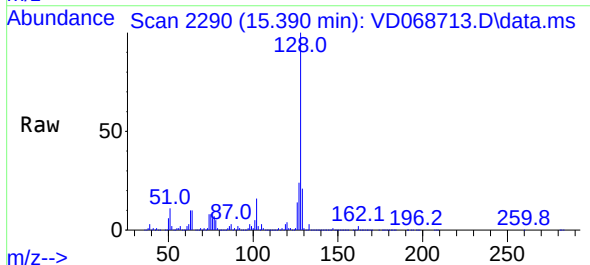
#89
n-Butylbenzene
Concen: 275.21 ug/l
RT: 13.843 min Scan# 2027
Delta R.T. 0.006 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15



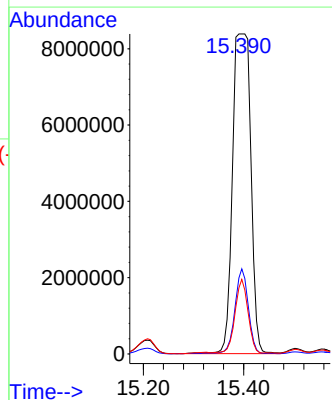
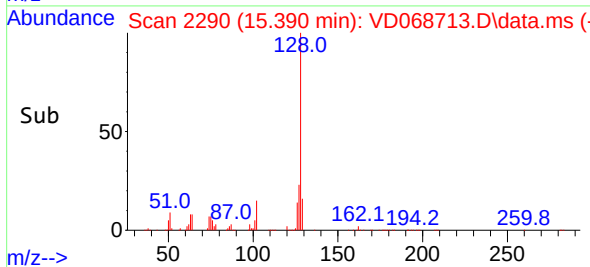
Tgt Ion: 91 Resp: 9573494
Ion Ratio Lower Upper
91 100
92 72.3 26.7 80.1
134 0.0 12.9 38.6#



#95
Naphthalene
Concen: 1171.11 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD068713.D
Acq: 29 Mar 2021 22:15



Tgt Ion: 128 Resp: 21275893
Ion Ratio Lower Upper
128 100
127 19.1 10.2 15.4#
129 16.4 8.9 13.3#



Instrument :
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ClientSampled :
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