

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
 Data File : VD068478.D
 Acq On : 01 Mar 2021 13:54
 Operator : VA/SY
 Sample : M1507-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 41007

Manual Integrations
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 3/2/2021 3:27:22 PM

Quant Time: Mar 01 20:47:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	332835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	597650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	337083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	32373	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	180801	54.37	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.74%			
35) Dibromofluoromethane	7.920	113	197226	54.78	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.56%			
50) Toluene-d8	10.344	98	655113	45.68	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.36%			
62) 4-Bromofluorobenzene	12.632	95	91217	19.74	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 39.48%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.220	59	34424	193.88	ug/l	98
16) Acetone	4.144	43	32972000m	62420.48	ug/l	
18) Methyl Acetate	4.726	43	46411	34.09	ug/l #	78
25) 2-Butanone	7.209	43	73561	96.88	ug/l #	84
39) Methylcyclohexane	9.355	83	882378	125.94	ug/l	99
40) Benzene	8.350	78	34463	2.11	ug/l	99
51) 4-Methyl-2-Pentanone	10.232	43	647073	356.95	ug/l	100
52) Toluene	10.397	92	25740513m	2473.52	ug/l	
67) Ethyl Benzene	11.744	91	4450225	363.18	ug/l	99
68) m/p-Xylenes	11.849	106	6760106	1452.60	ug/l	92
69) o-Xylene	12.179	106	1797516	419.39	ug/l	95
73) Isopropylbenzene	12.479	105	246028	102.47	ug/l	98
78) n-propylbenzene	12.820	91	746959	260.36	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	601659	305.74	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	1920052	974.24	ug/l	98
85) sec-Butylbenzene	13.396	105	147448	62.30	ug/l	85
86) p-Isopropyltoluene	13.514	119	77040	35.86	ug/l	99
89) n-Butylbenzene	13.843	91	152293	73.49	ug/l #	79
95) Naphthalene	15.396	128	188379	148.39	ug/l	96

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

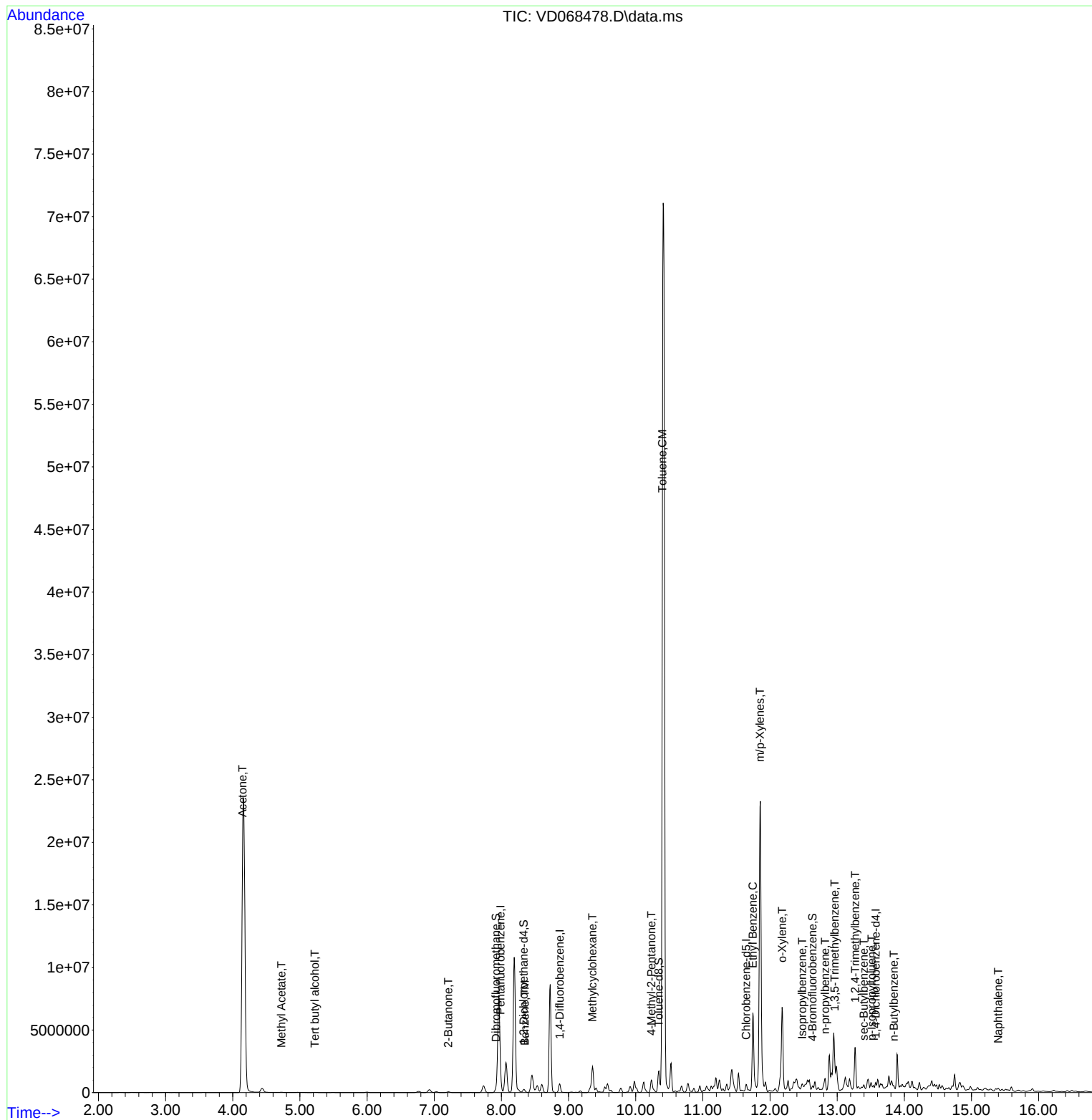
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
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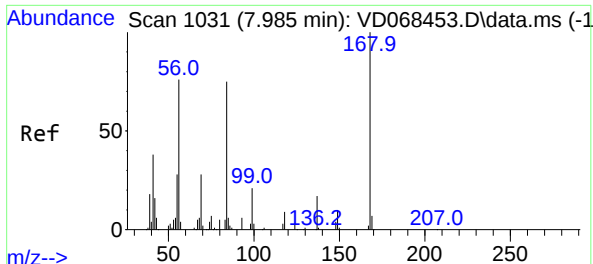
Instrument :
MSVOA_D
ClientSampleId :
41007

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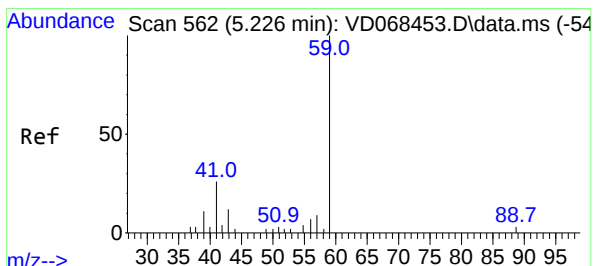
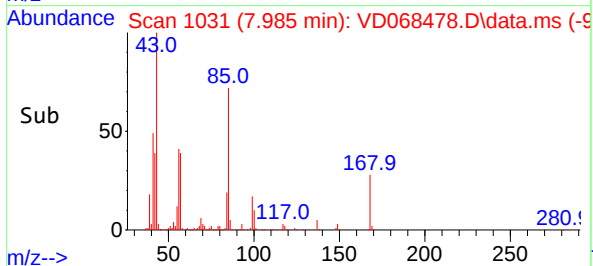
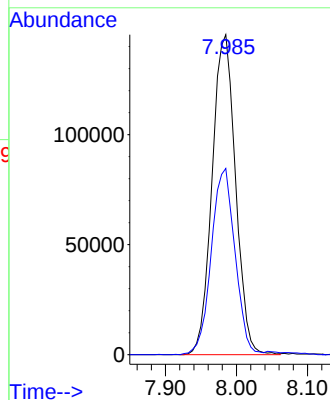
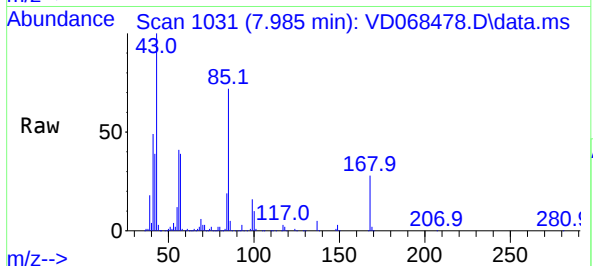
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

Tgt Ion:168 Resp: 332835
Ion Ratio Lower Upper
168 100
99 58.2 43.5 65.3

Instrument :
MSVOA_D
ClientSampleId :
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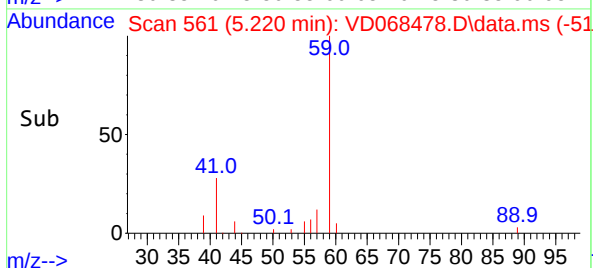
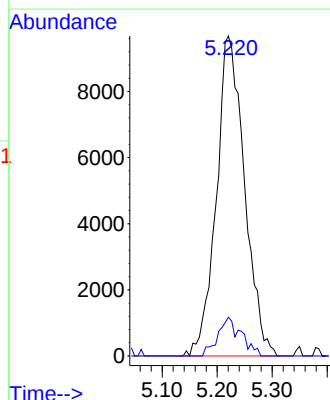
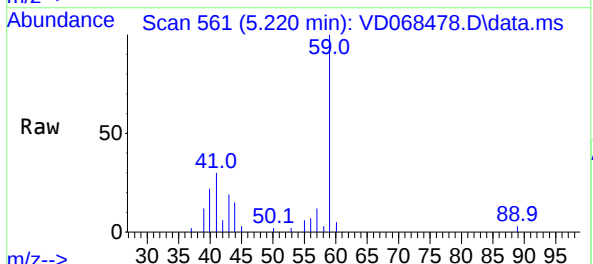
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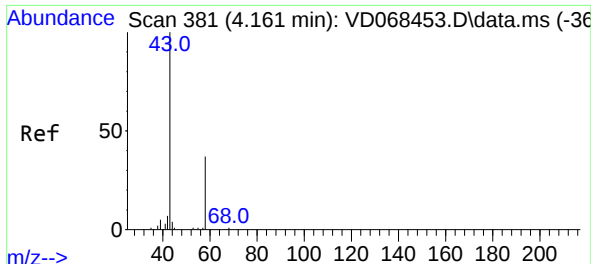
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#11
Tert butyl alcohol
Concen: 193.88 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.005 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

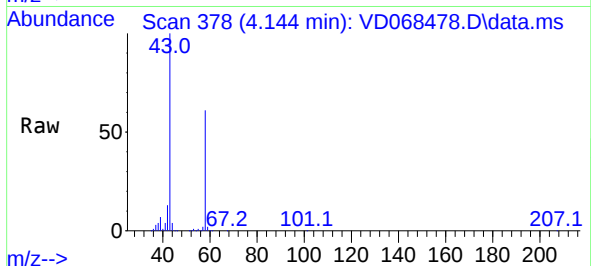
Tgt Ion: 59 Resp: 34424
Ion Ratio Lower Upper
59 100
57 10.0 7.4 11.2





#16
Acetone
Concen: 62420.48 ug/l m
RT: 4.144 min Scan# 378
Delta R.T. -0.017 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

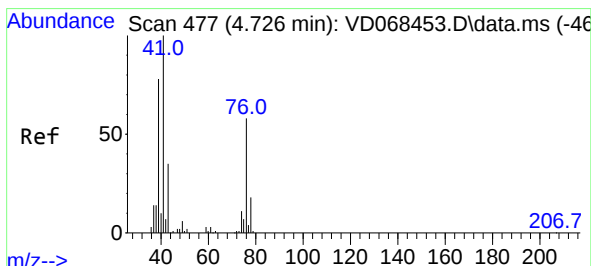
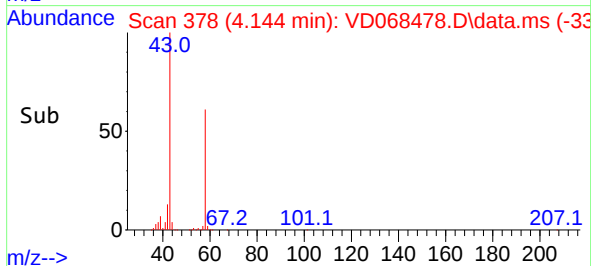
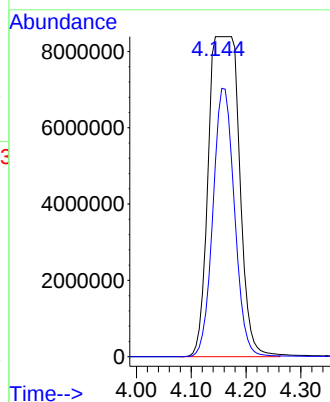
Instrument :
MSVOA_D
ClientSampleId :
41007



Tgt Ion: 43 Resp: 32972000
Ion Ratio Lower Upper
43 100
58 60.5 24.2 36.4#

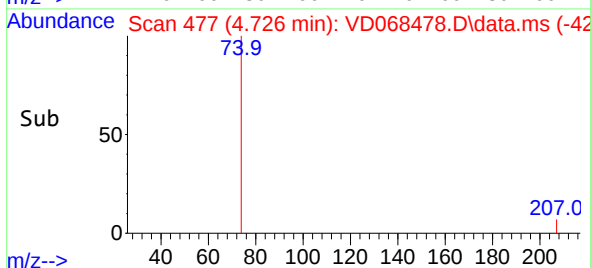
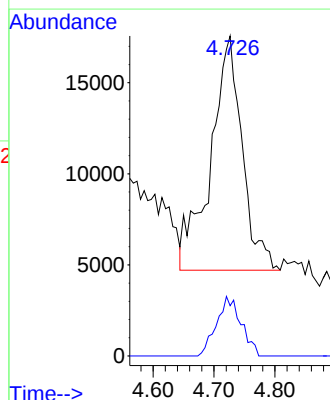
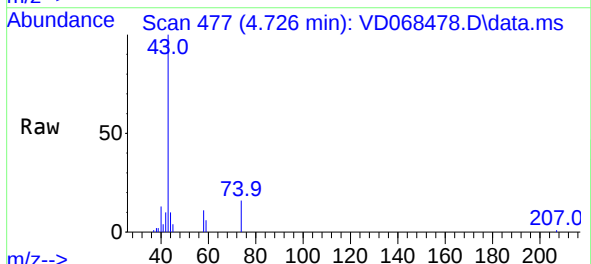
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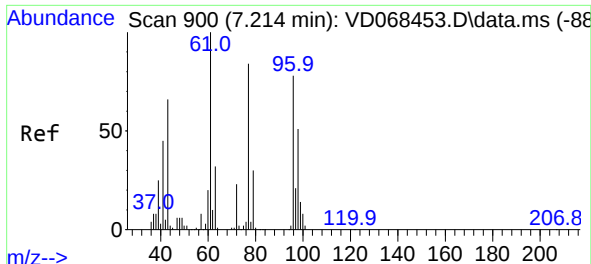
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#18
Methyl Acetate
Concen: 34.09 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

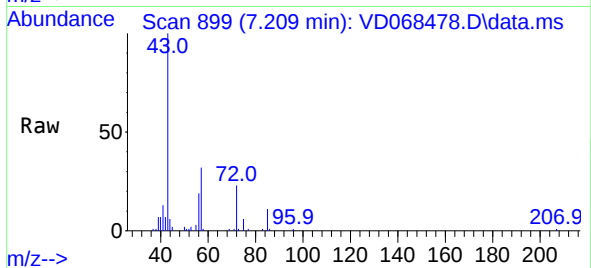
Tgt Ion: 43 Resp: 46411
Ion Ratio Lower Upper
43 100
74 19.7 25.4 38.0#





#25
2-Butanone
Concen: 96.88 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

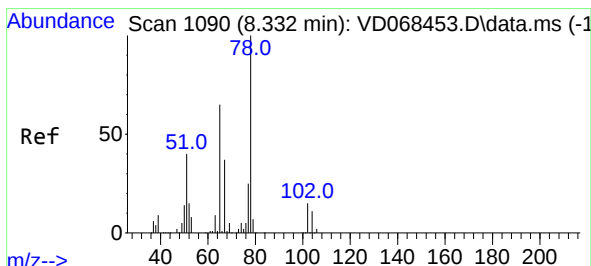
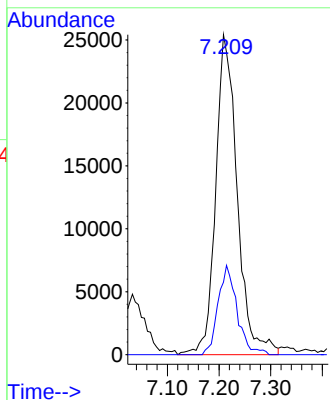
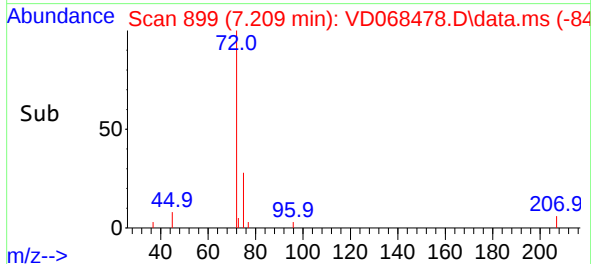
Instrument :
MSVOA_D
ClientSampleId :
41007



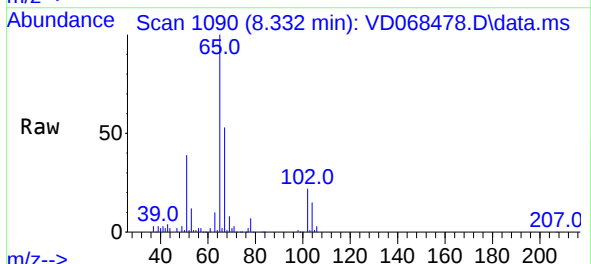
Tgt Ion: 43 Resp: 73561
Ion Ratio Lower Upper
43 100
72 22.6 25.1 37.7#

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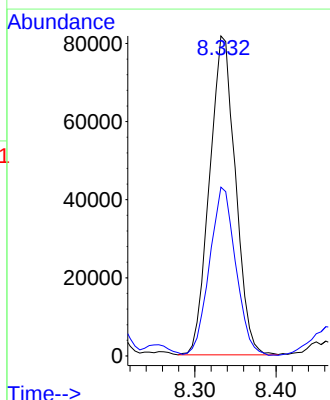
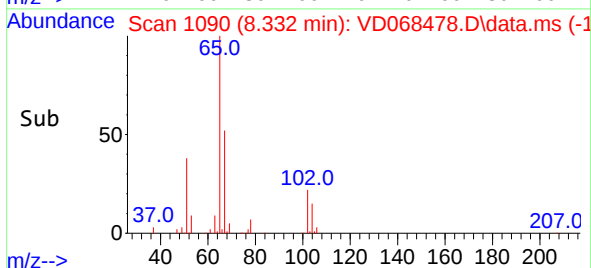
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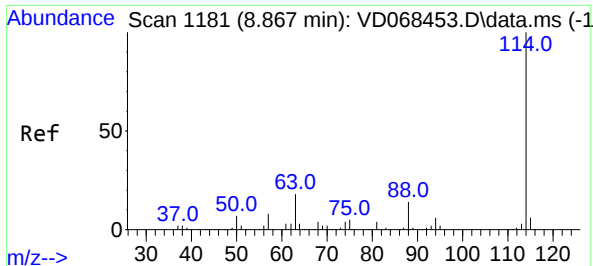


#33
1,2-Dichloroethane-d4
Concen: 54.37 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54



Tgt Ion: 65 Resp: 180801
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.0





#34

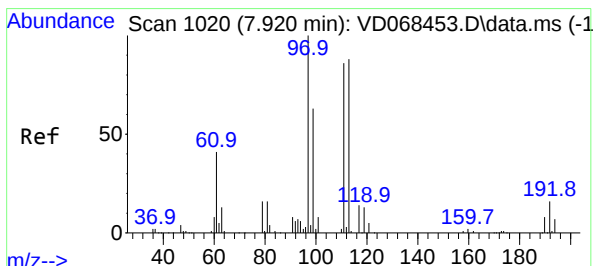
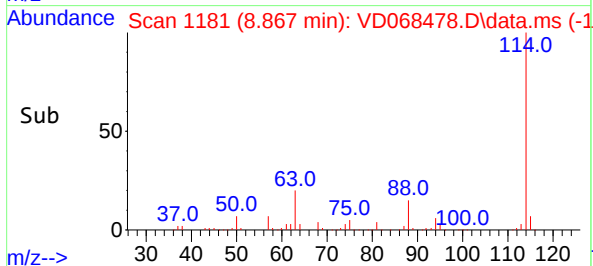
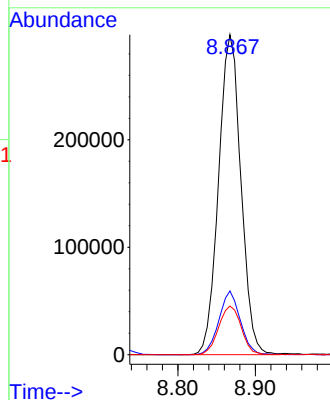
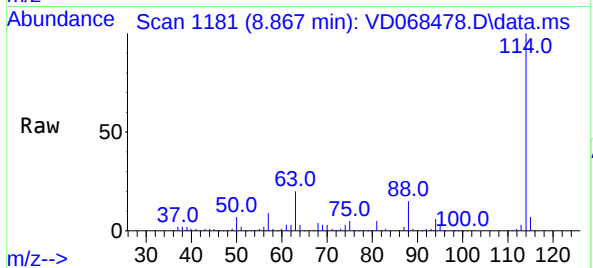
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

Tgt Ion:114 Resp: 597650
Ion Ratio Lower Upper
114 100
63 19.9 0.0 34.8
88 15.2 0.0 31.6

Instrument :
MSVOA_D
ClientSampled :
41007

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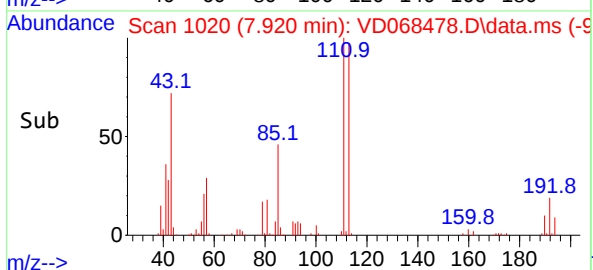
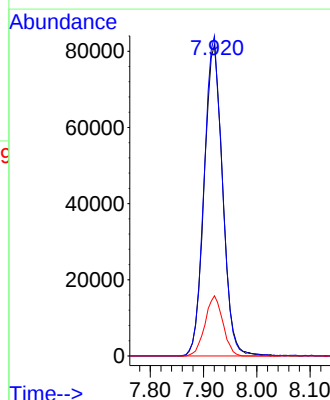
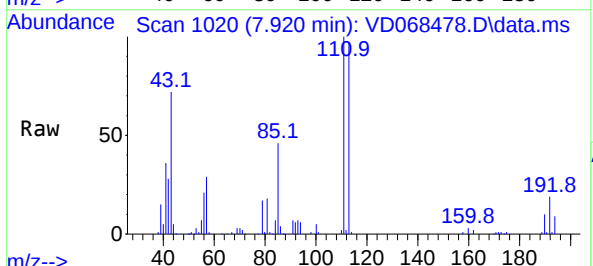
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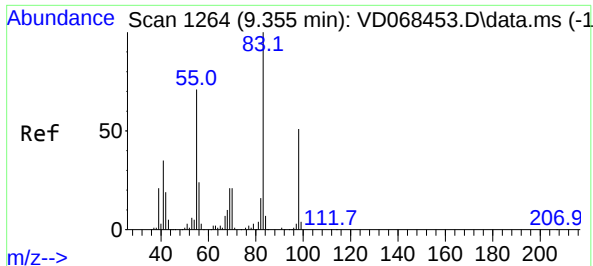


#35

Dibromofluoromethane
Concen: 54.78 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

Tgt Ion:113 Resp: 197226
Ion Ratio Lower Upper
113 100
111 101.3 81.4 122.0
192 18.6 16.1 24.1





#39

Methylcyclohexane

Concen: 125.94 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068478.D

Acq: 01 Mar 2021 13:54

Tgt Ion: 83 Resp: 882378

Ion Ratio Lower Upper

83 100

55 67.6 55.2 82.8

98 49.6 39.1 58.7

Instrument :

MSVOA_D

ClientSampled :

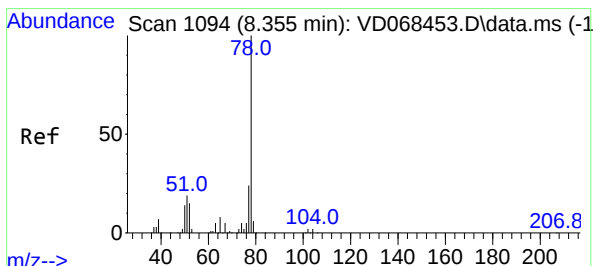
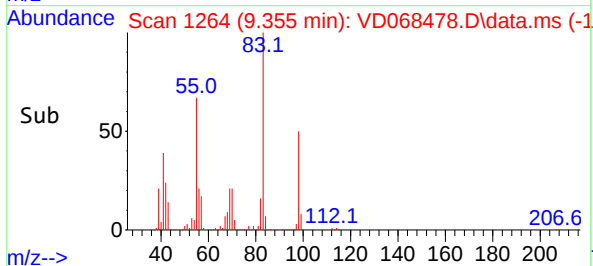
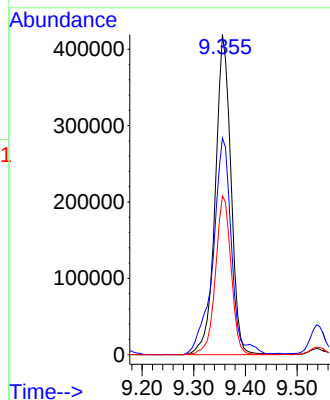
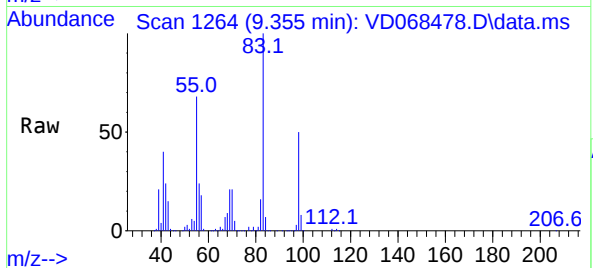
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#40

Benzene

Concen: 2.11 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. -0.005 min

Lab File: VD068478.D

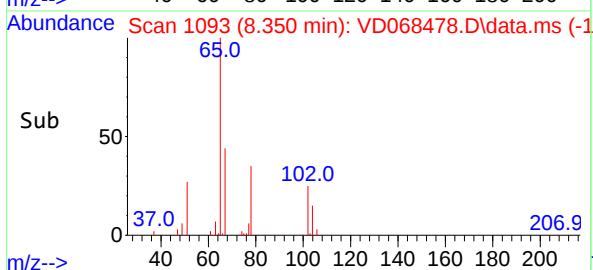
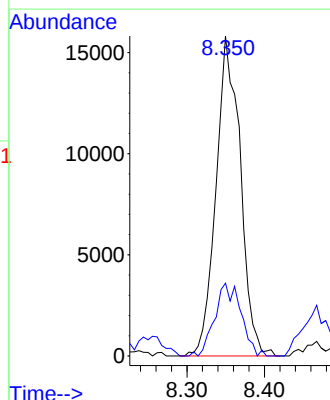
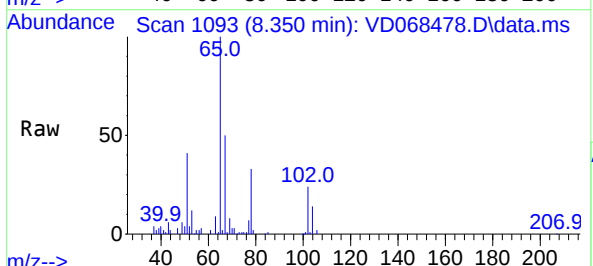
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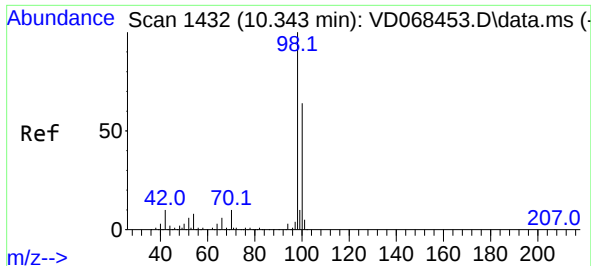
Tgt Ion: 78 Resp: 34463

Ion Ratio Lower Upper

78 100

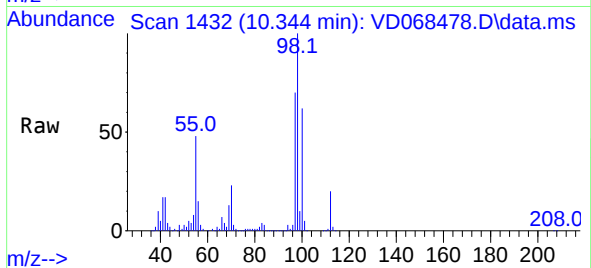
77 22.8 17.8 26.6





#50
Toluene-d8
Concen: 45.68 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

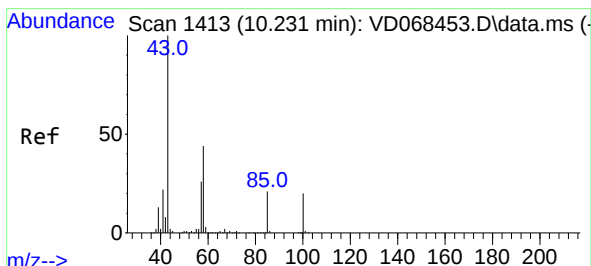
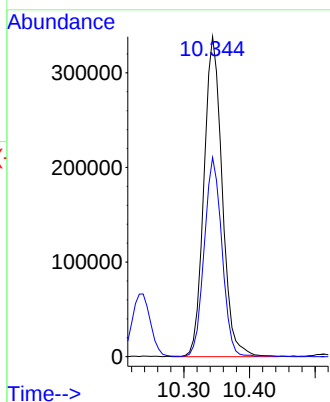
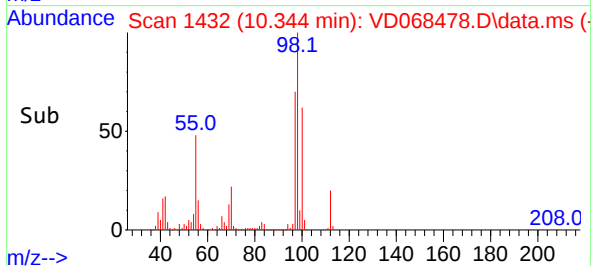
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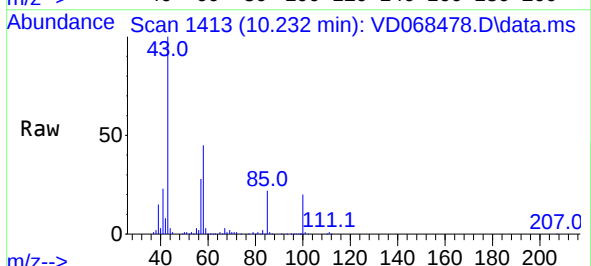
Tgt Ion: 98 Resp: 655113
Ion Ratio Lower Upper
98 100
100 59.9 53.0 79.4

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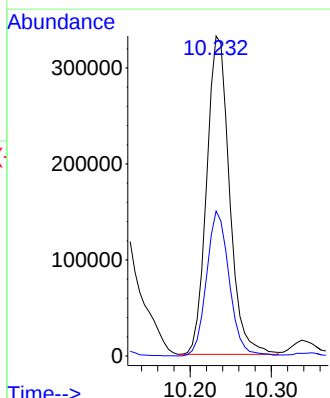
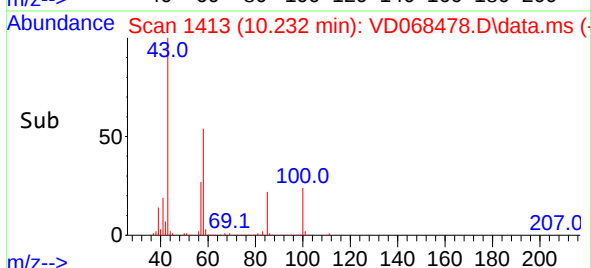
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3/2/2021 3:27:22 PM

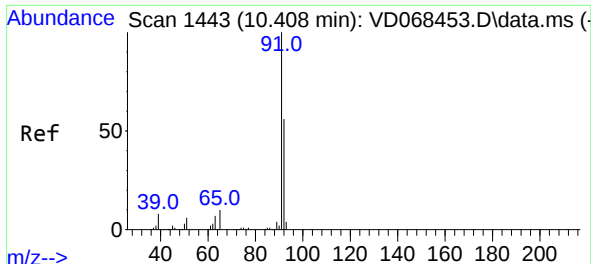


#51
4-Methyl-2-Pentanone
Concen: 356.95 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54



Tgt Ion: 43 Resp: 647073
Ion Ratio Lower Upper
43 100
58 45.3 36.1 54.1





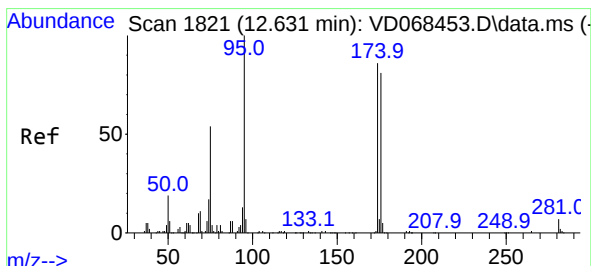
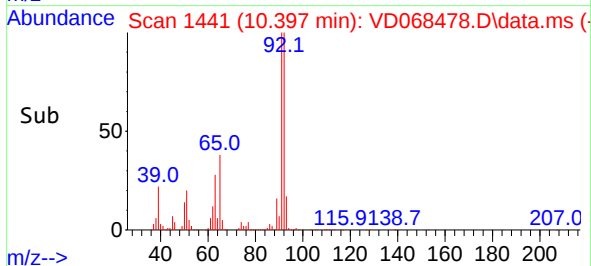
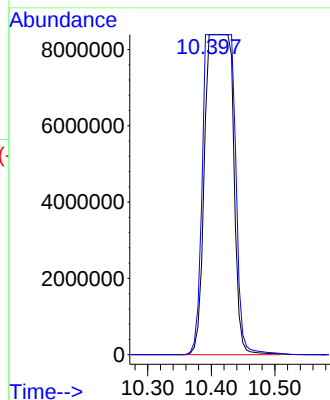
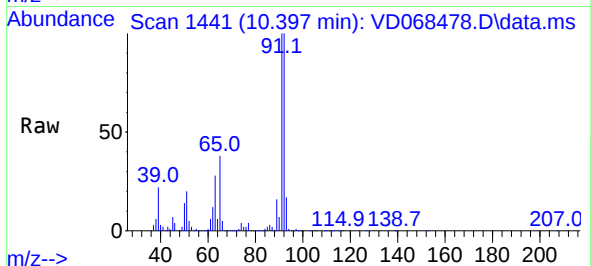
#52
Toluene
Concen: 2473.52 ug/l m
RT: 10.397 min Scan# 1441
Delta R.T. -0.011 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

Tgt Ion: 92 Resp: 25740513
Ion Ratio Lower Upper
92 100
91 0.0 134.1 201.1#

Instrument :
MSVOA_D
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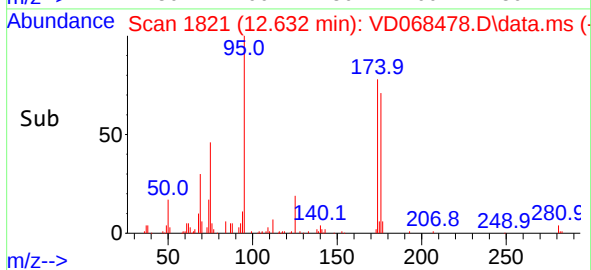
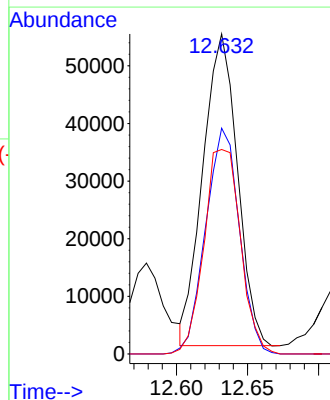
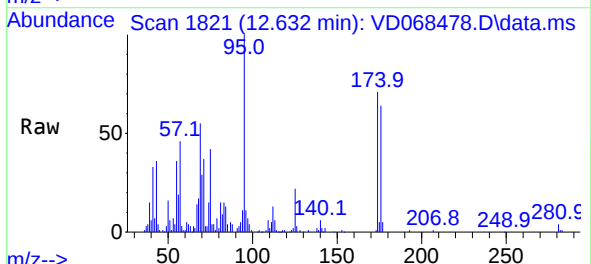
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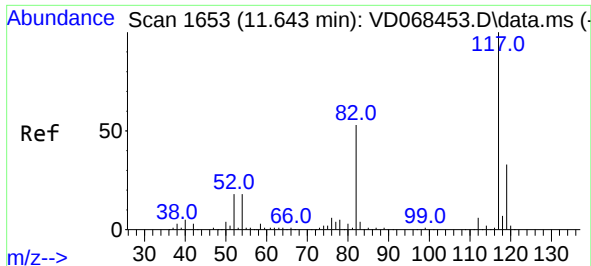
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#62
4-Bromofluorobenzene
Concen: 19.74 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

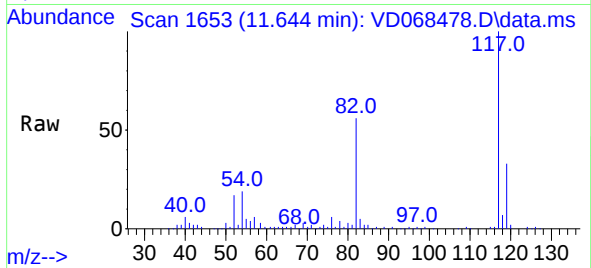
Tgt Ion: 95 Resp: 91217
Ion Ratio Lower Upper
95 100
174 70.9 0.0 172.4
176 69.6 0.0 168.4





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

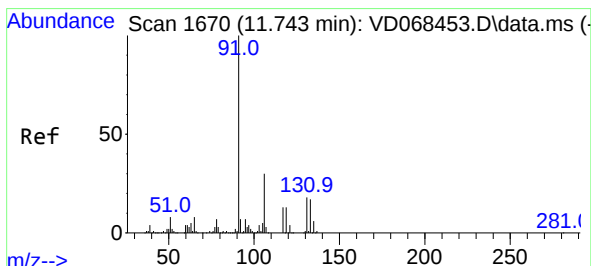
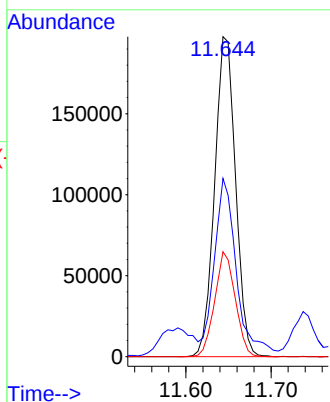
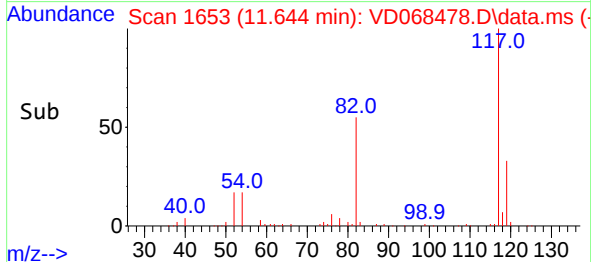
Instrument :
MSVOA_D
ClientSampled :
41007



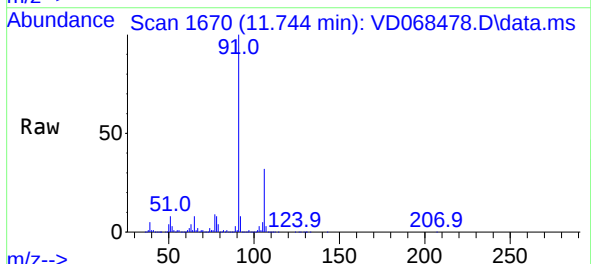
Tgt Ion:117 Resp: 337083
Ion Ratio Lower Upper
117 100
82 54.0 41.4 62.0
119 32.8 26.1 39.1

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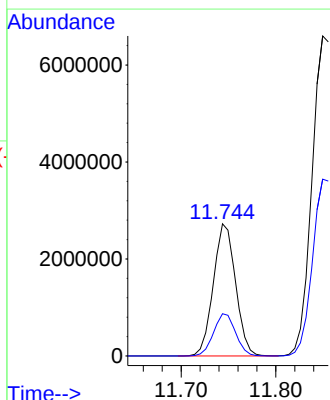
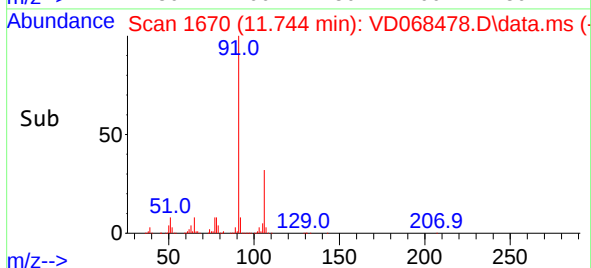
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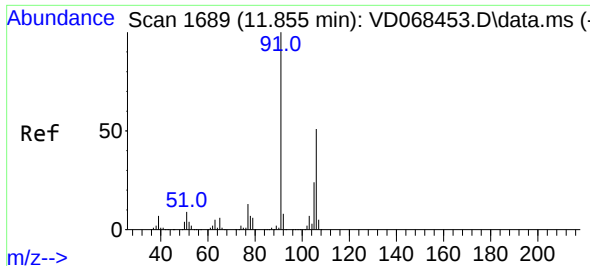


#67
Ethyl Benzene
Concen: 363.18 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54



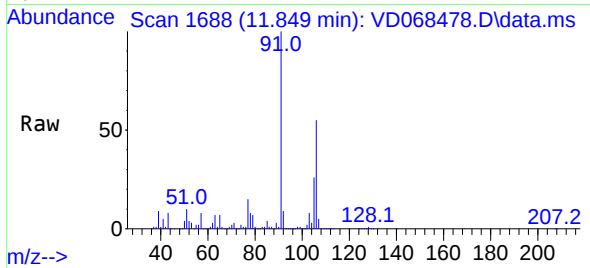
Tgt Ion: 91 Resp: 4450225
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9





#68
m/p-Xylenes
Concen: 1452.60 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

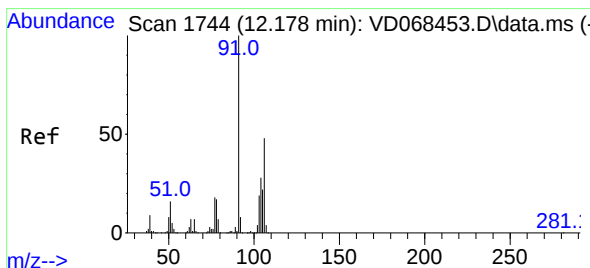
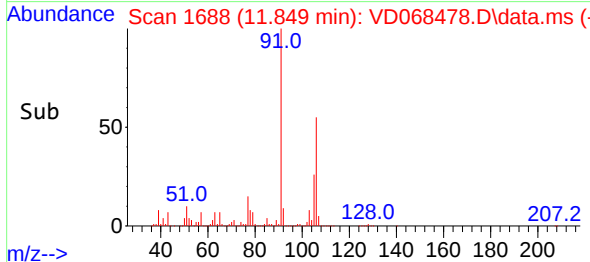
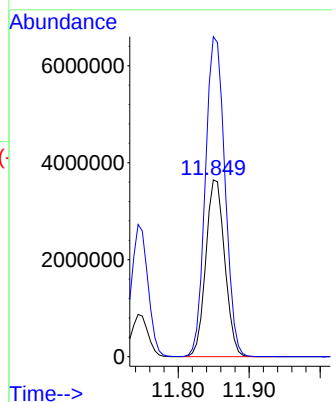
Instrument :
MSVOA_D
ClientSampled :
41007



Tgt Ion:106 Resp: 6760106
Ion Ratio Lower Upper
106 100
91 186.9 159.1 238.7

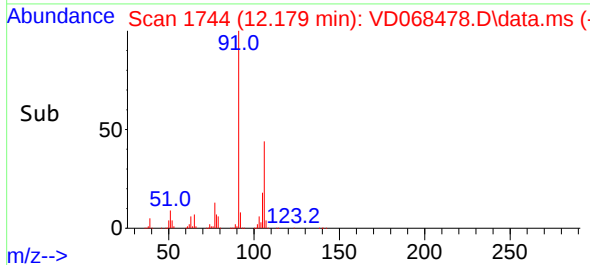
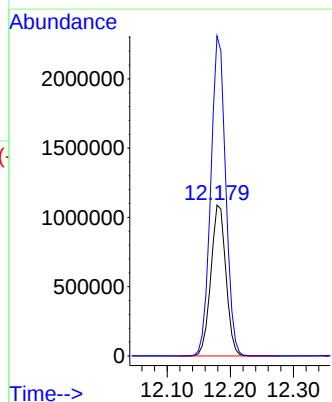
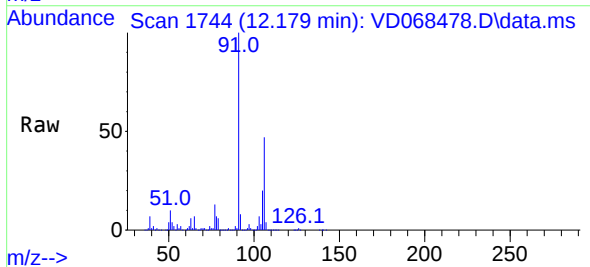
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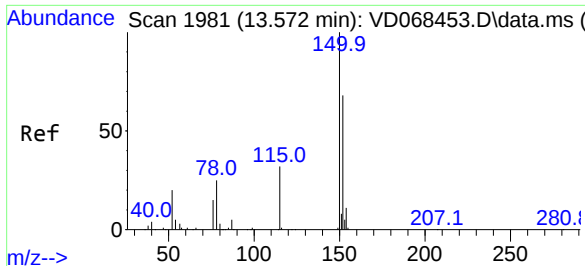
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#69
o-Xylene
Concen: 419.39 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

Tgt Ion:106 Resp: 1797516
Ion Ratio Lower Upper
106 100
91 210.0 108.7 325.9





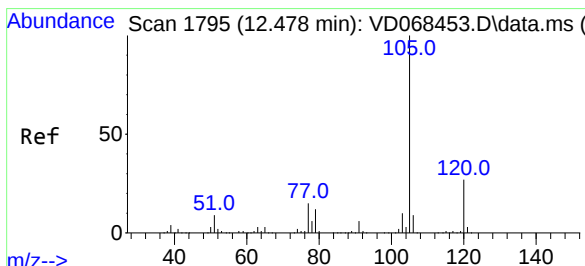
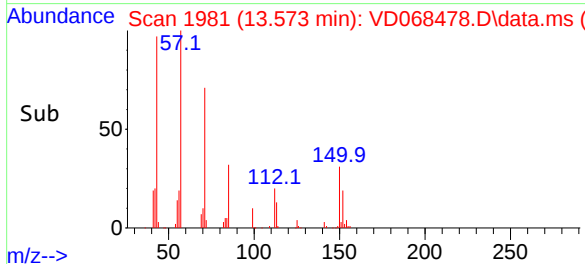
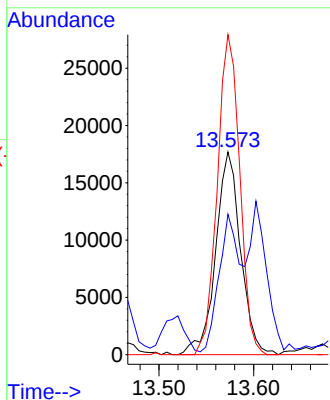
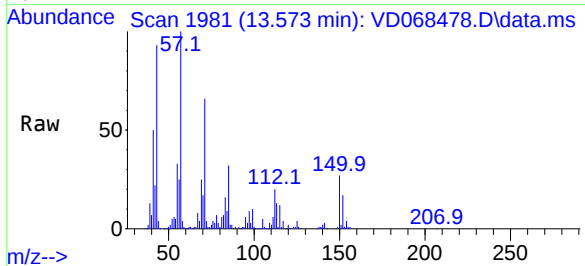
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

Tgt Ion:152 Resp: 32373
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.8
150 142.3 0.0 344.4

Instrument :
MSVOA_D
ClientSampleId :
41007

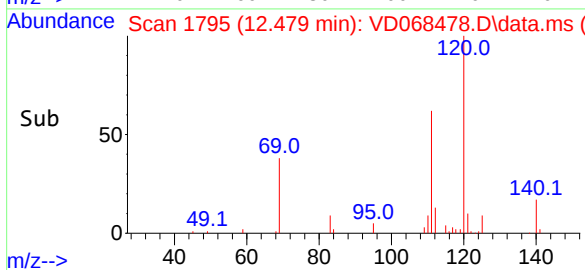
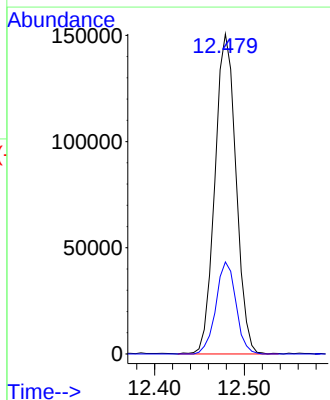
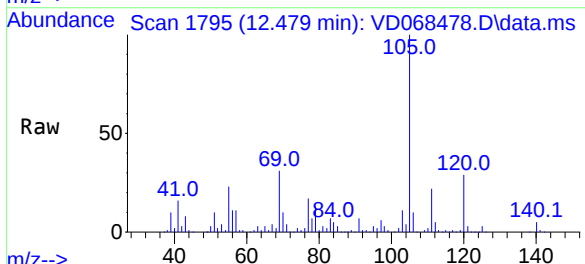
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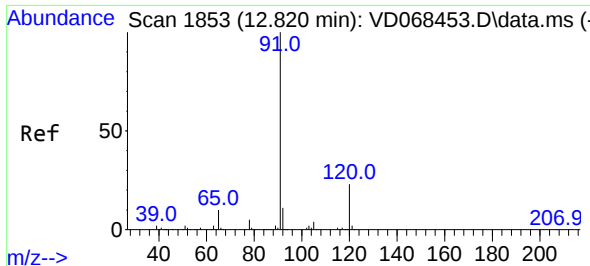
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#73
Isopropylbenzene
Concen: 102.47 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

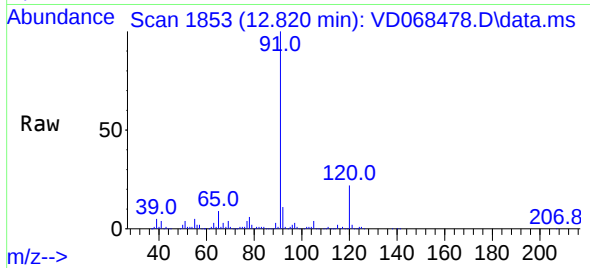
Tgt Ion:105 Resp: 246028
Ion Ratio Lower Upper
105 100
120 27.3 13.2 39.6





#78
n-propylbenzene
Concen: 260.36 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

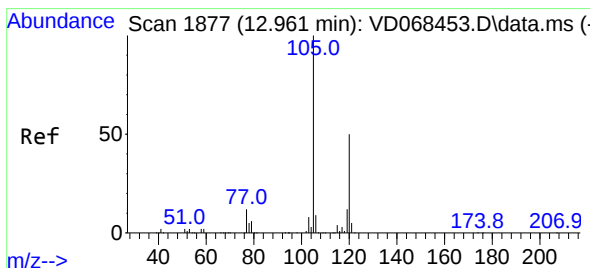
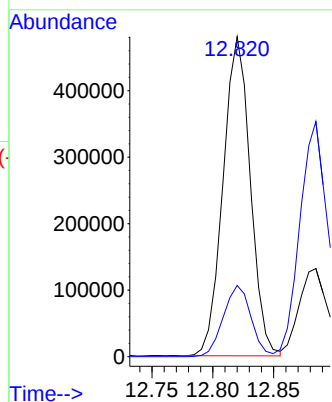
Instrument :
MSVOA_D
ClientSampled :
41007



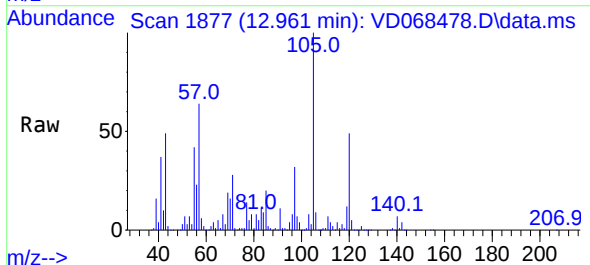
Tgt Ion: 91 Resp: 746959
Ion Ratio Lower Upper
91 100
120 22.6 12.0 36.0

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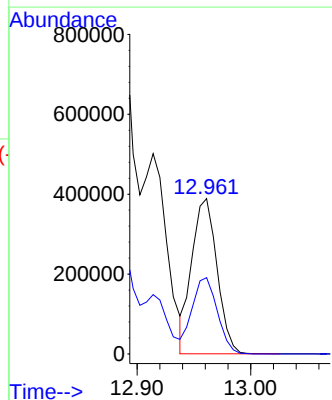
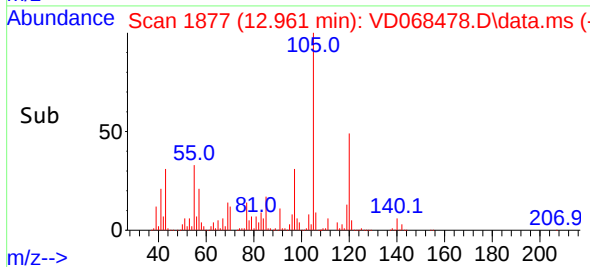
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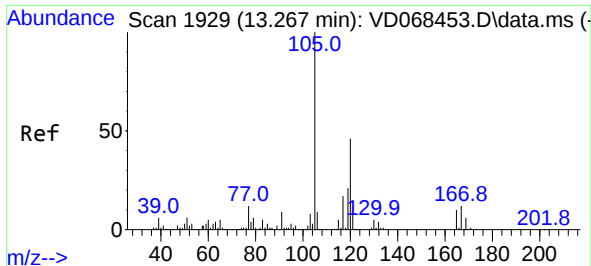


#80
1,3,5-Trimethylbenzene
Concen: 305.74 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54



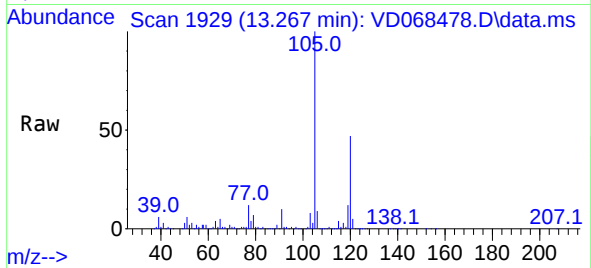
Tgt Ion: 105 Resp: 601659
Ion Ratio Lower Upper
105 100
120 49.2 24.2 72.6





#84
1,2,4-Trimethylbenzene
Concen: 974.24 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

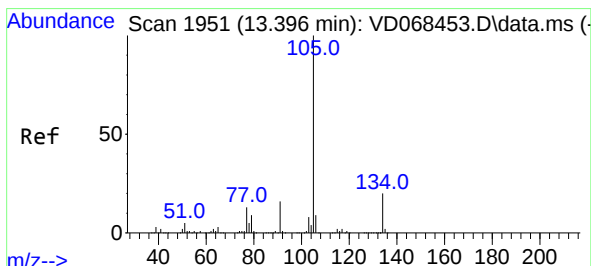
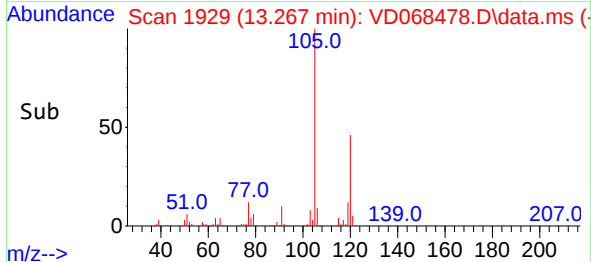
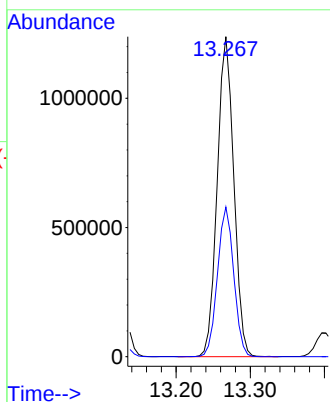
Instrument :
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ClientSampled :
41007



Tgt Ion:105 Resp: 1920052
Ion Ratio Lower Upper
105 100
120 46.0 22.4 67.0

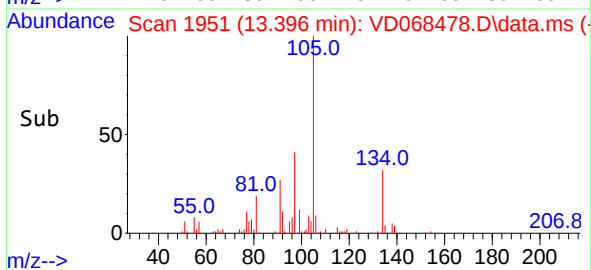
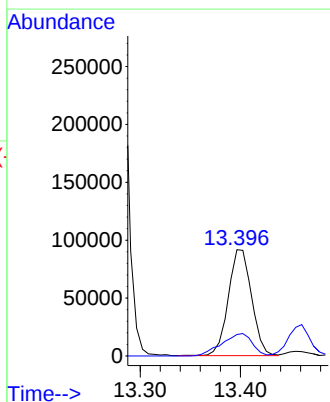
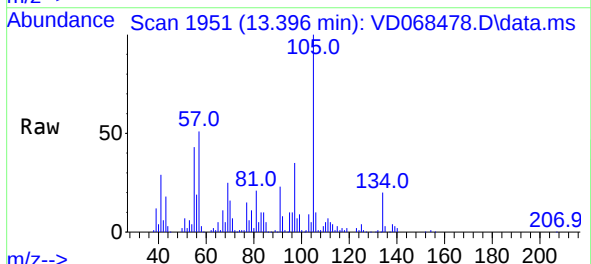
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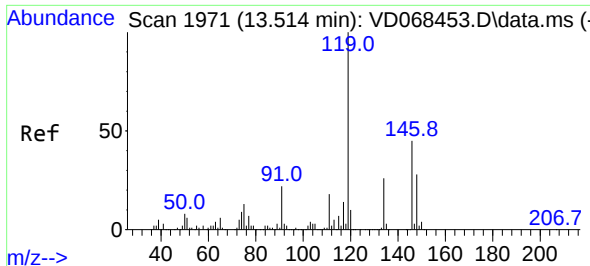
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#85
sec-Butylbenzene
Concen: 62.30 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

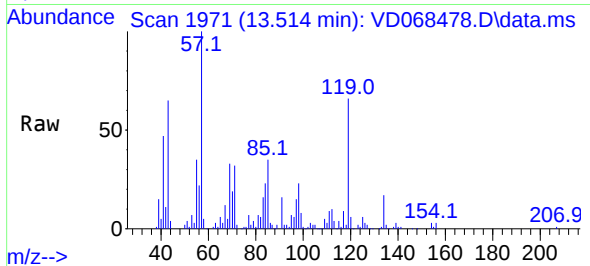
Tgt Ion:105 Resp: 147448
Ion Ratio Lower Upper
105 100
134 27.7 10.3 30.9





#86
p-Isopropyltoluene
Concen: 35.86 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

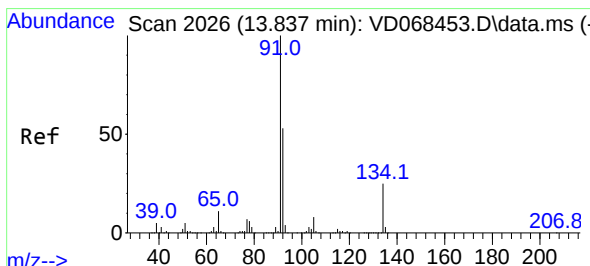
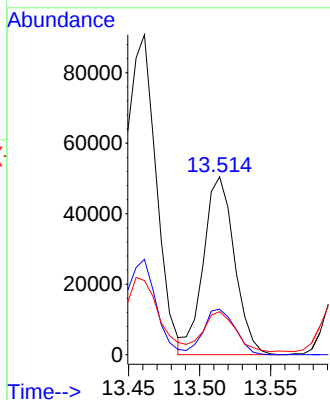
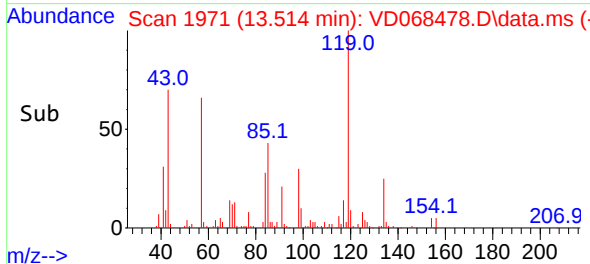
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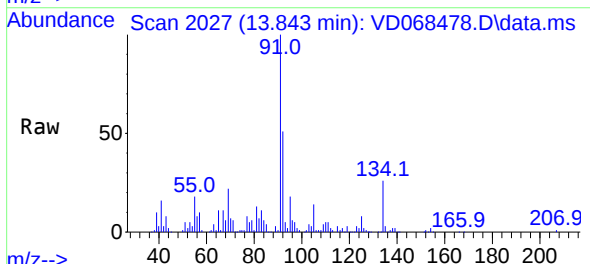
Tgt Ion:119 Resp: 77040
Ion Ratio Lower Upper
119 100
134 25.8 12.9 38.7
91 22.3 11.7 35.0

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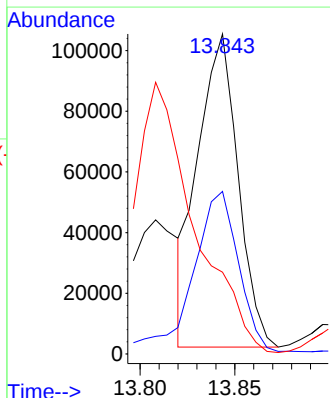
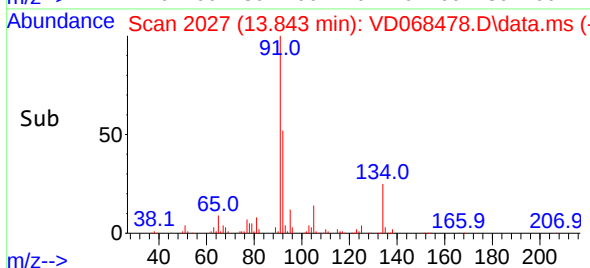
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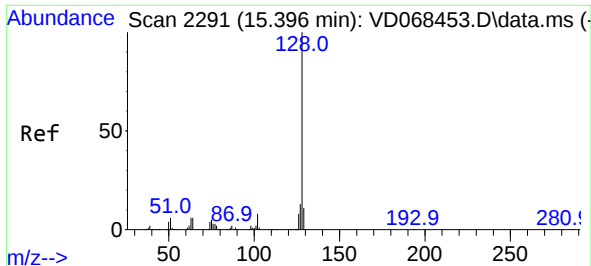


#89
n-Butylbenzene
Concen: 73.49 ug/l
RT: 13.843 min Scan# 2027
Delta R.T. 0.006 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54

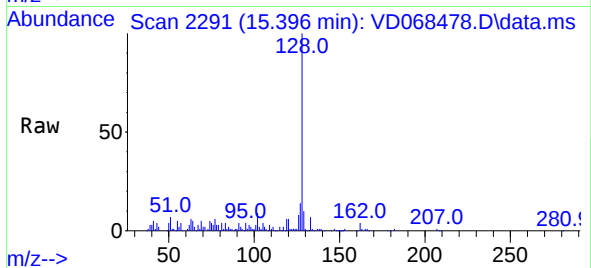


Tgt Ion: 91 Resp: 152293
Ion Ratio Lower Upper
91 100
92 57.5 27.2 81.6
134 0.0 13.9 41.7#

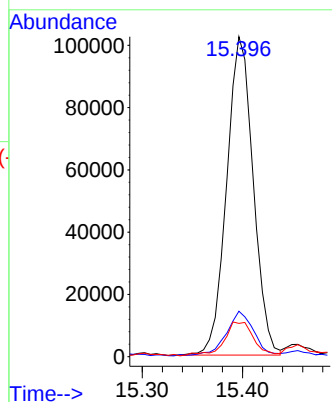
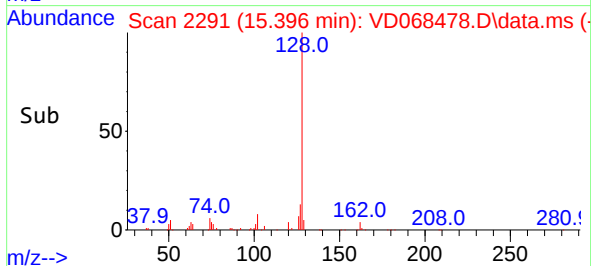




#95
Naphthalene
Concen: 148.39 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068478.D
Acq: 01 Mar 2021 13:54



Tgt Ion:128 Resp: 188379
Ion Ratio Lower Upper
128 100
127 14.7 10.2 15.2
129 11.8 8.8 13.2



Instrument :
MSVOA_D
ClientSampleId :
41007

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