

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040121\
 Data File : VD068768.D
 Acq On : 01 Apr 2021 19:47
 Operator : VA/SY
 Sample : M1836-16
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B7-10-12

Manual Integrations
 APPROVED

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Quant Time: Apr 02 01:07:03 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	7.979	168	351699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	568581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	622909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	316344	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	143785	40.54	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.08%		
35) Dibromofluoromethane	7.920	113	169652	47.96	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.92%		
50) Toluene-d8	10.337	98	767536	56.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	112.54%		
62) 4-Bromofluorobenzene	12.626	95	293025	66.26	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	132.52%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.226	59	360354	2205.13	ug/l	99
16) Acetone	4.155	43	23770	55.25	ug/l	95
17) Carbon Disulfide	4.420	76	15409	1.73	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	935981	133.68	ug/l	96
31) Cyclohexane	7.961	56	100896	17.63	ug/l #	43
40) Benzene	8.355	78	34336	2.32	ug/l #	86
52) Toluene	10.402	92	26952	2.87	ug/l	96
67) Ethyl Benzene	11.743	91	201016	9.40	ug/l	95
68) m/p-Xylenes	11.849	106	286668	34.40	ug/l	100
69) o-Xylene	12.179	106	114475	14.82	ug/l	98
73) Isopropylbenzene	12.479	105	45881	2.11	ug/l	99
78) n-propylbenzene	12.814	91	296246	11.45	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	431964	24.57	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	1969418	108.45	ug/l	98
85) sec-Butylbenzene	13.396	105	47660m	2.19	ug/l	
86) p-Isopropyltoluene	13.508	119	21051m	1.06	ug/l	
89) n-Butylbenzene	13.837	91	109424	5.82	ug/l #	72
95) Naphthalene	15.396	128	938274	95.50	ug/l	99

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

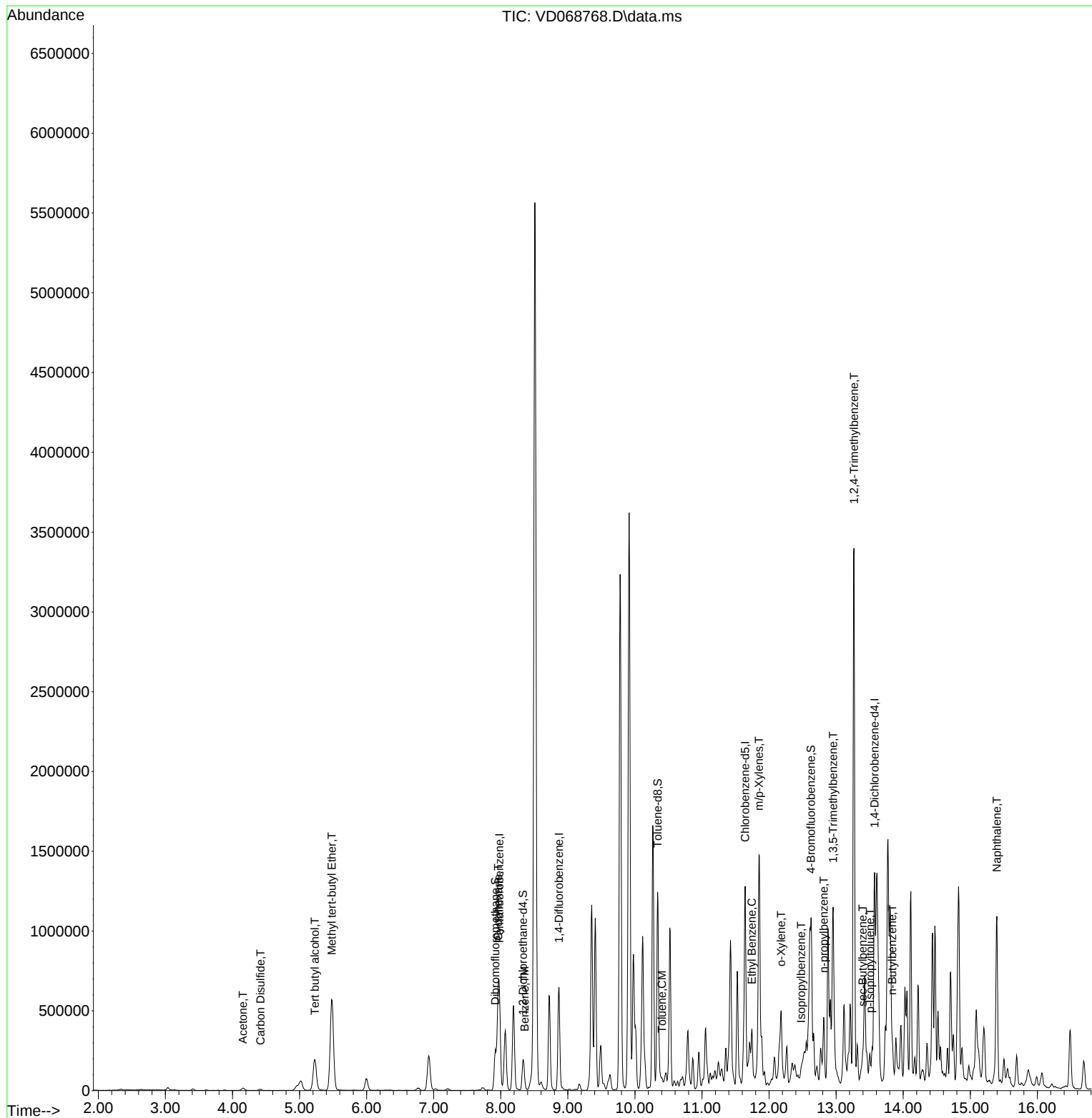
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040121\
Data File : VD068768.D
Acq On : 01 Apr 2021 19:47
Operator : VA/SY
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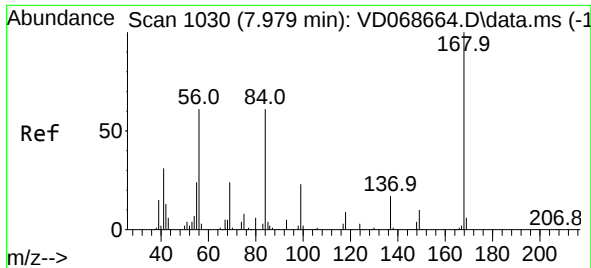
Instrument :
MSVOA_D
ClientSampleId :
B7-10-12

Manual Integrations
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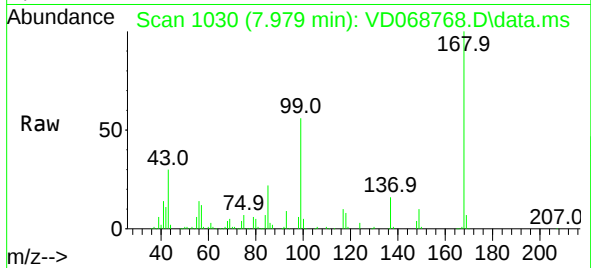
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Quant Time: Apr 02 01:07:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
Response via : Initial Calibration

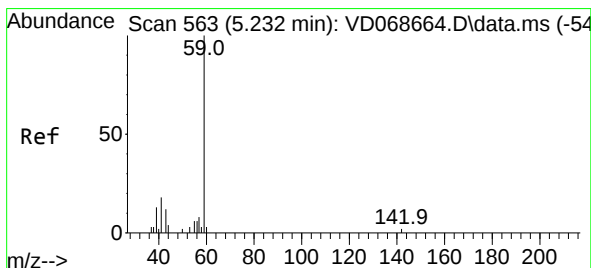
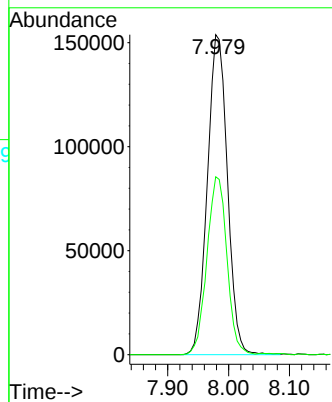
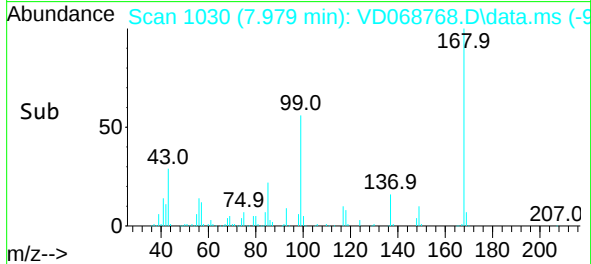




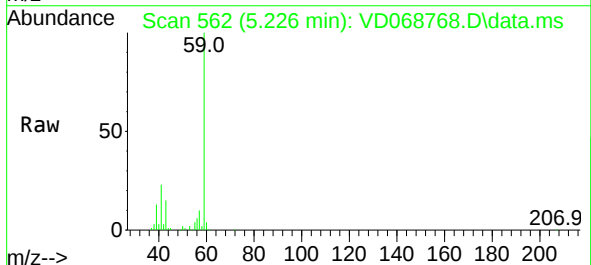
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



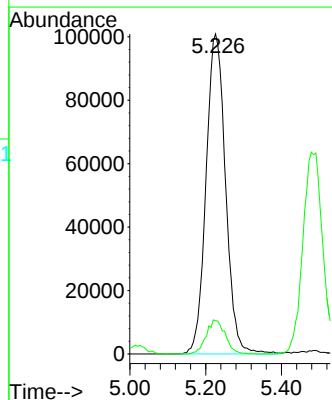
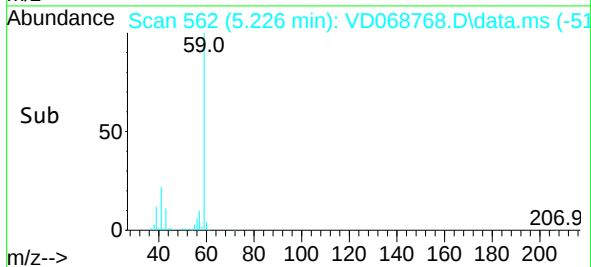
Tgt Ion:168 Resp: 351699
Ion Ratio Lower Upper
168 100
99 55.6 46.2 69.2



#11
Tert butyl alcohol
Concen: 2205.13 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.006 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



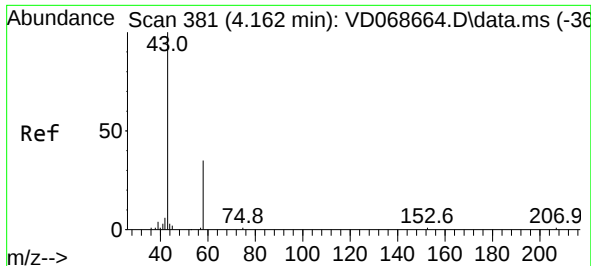
Tgt Ion: 59 Resp: 360354
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.8



Instrument :
MSVOA_D
ClientSampleId :
B7-10-12

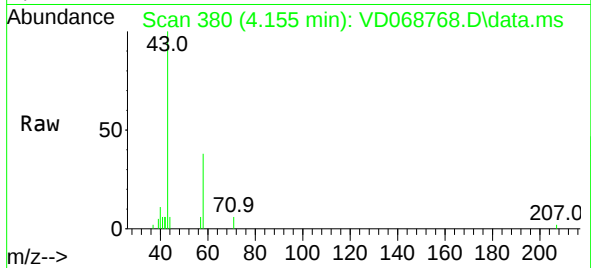
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#16
Acetone
Concen: 55.25 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

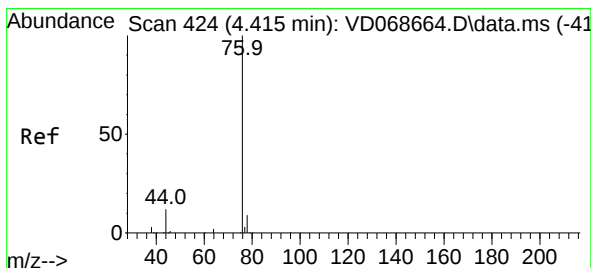
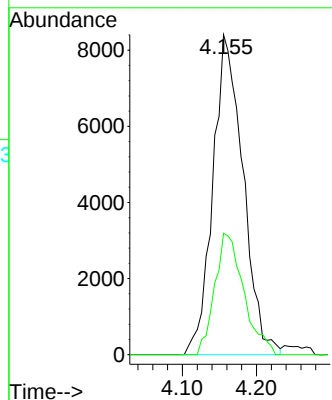
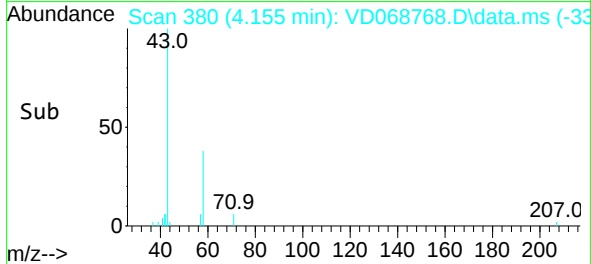
Instrument :
MSVOA_D
ClientSampled :
B7-10-12



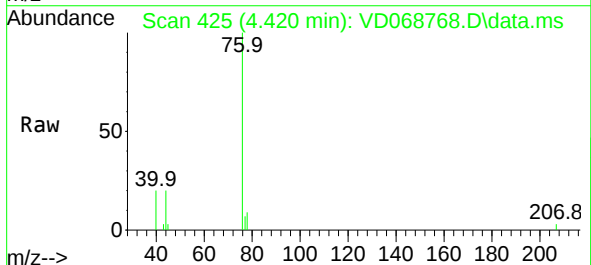
Tgt Ion: 43 Resp: 23770
Ion Ratio Lower Upper
43 100
58 37.9 28.0 42.0

Manual Integrations
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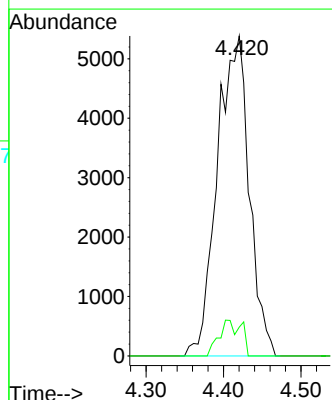
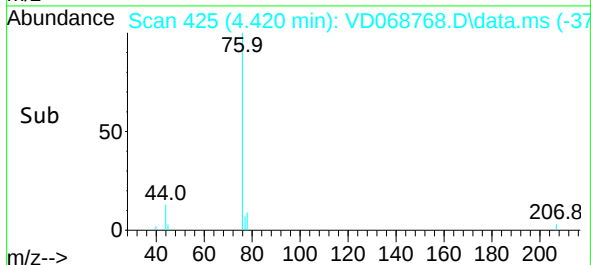
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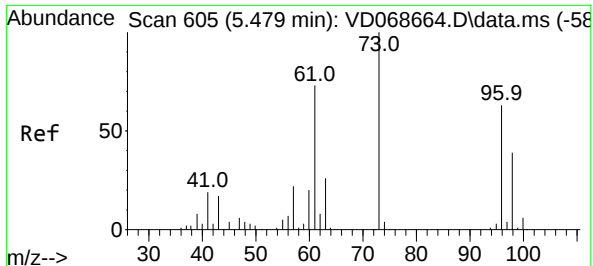


#17
Carbon Disulfide
Concen: 1.73 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.006 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



Tgt Ion: 76 Resp: 15409
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9





#19

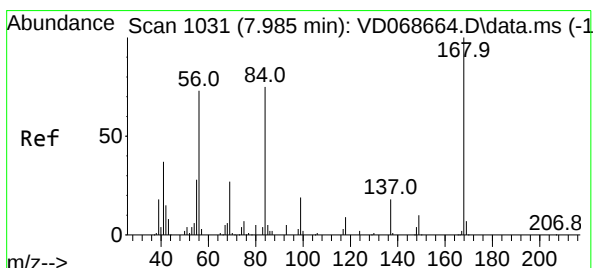
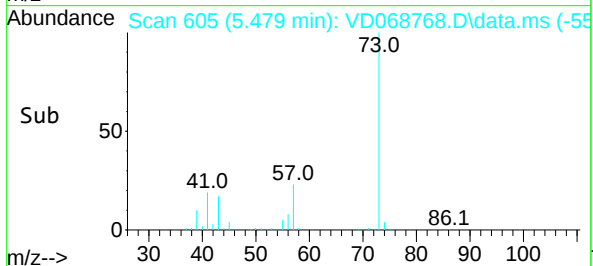
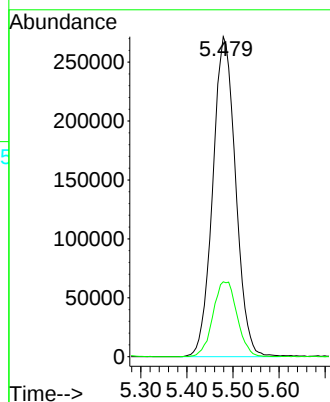
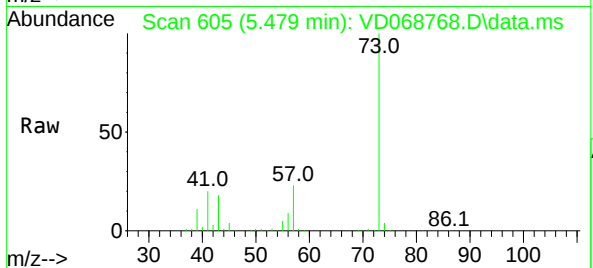
Methyl tert-butyl Ether
Concen: 133.68 ug/l
RT: 5.479 min Scan# 605
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

Tgt Ion: 73 Resp: 935981
Ion Ratio Lower Upper
73 100
57 23.4 17.3 25.9

Instrument :
MSVOA_D
ClientSampled :
B7-10-12

Manual Integrations
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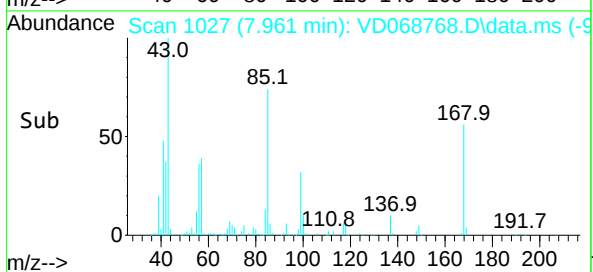
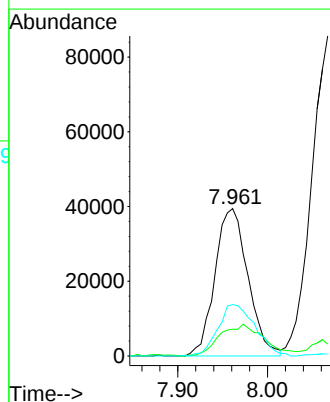
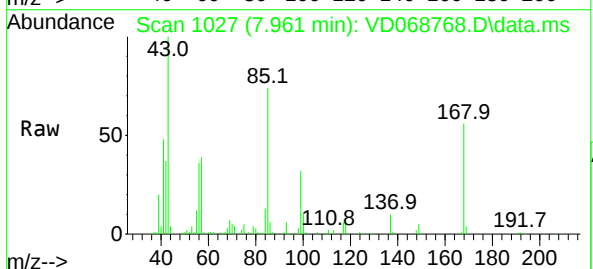
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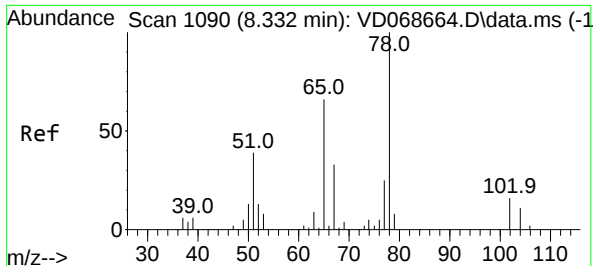


#31

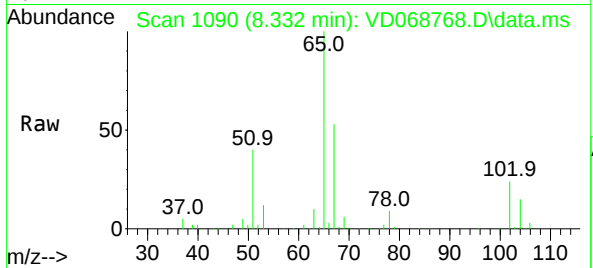
Cyclohexane
Concen: 17.63 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.024 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

Tgt Ion: 56 Resp: 100896
Ion Ratio Lower Upper
56 100
69 18.1 30.0 45.0#
84 34.9 82.0 123.0#

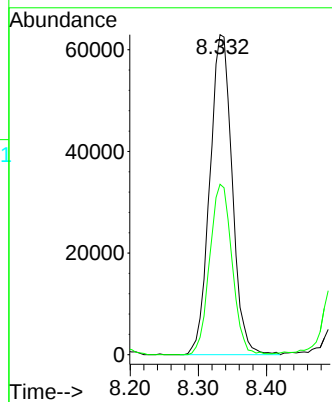
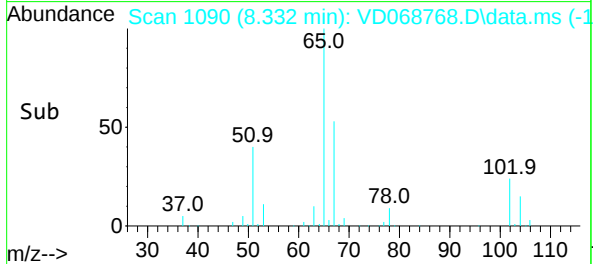




#33
1,2-Dichloroethane-d4
Concen: 40.54 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



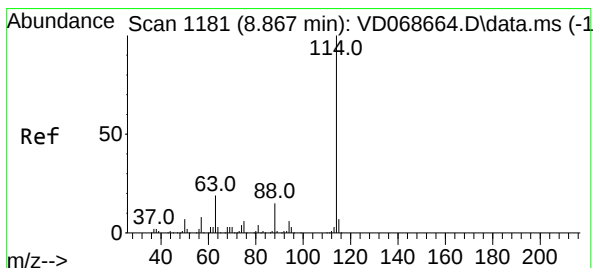
Tgt Ion: 65 Resp: 143785
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.0



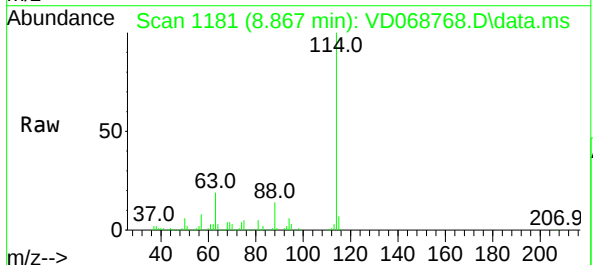
Instrument :
MSVOA_D
ClientSampled :
B7-10-12

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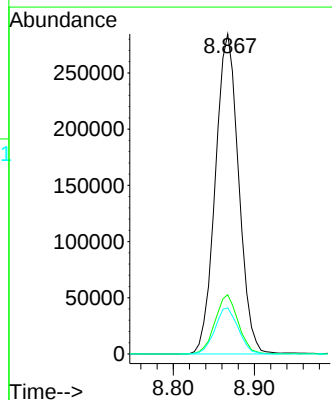
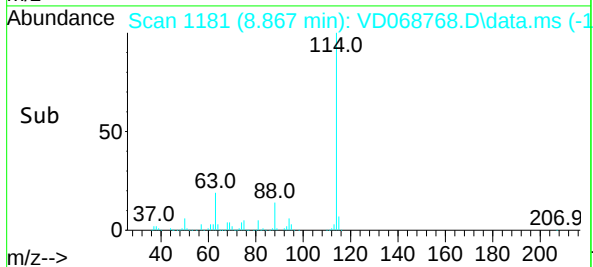
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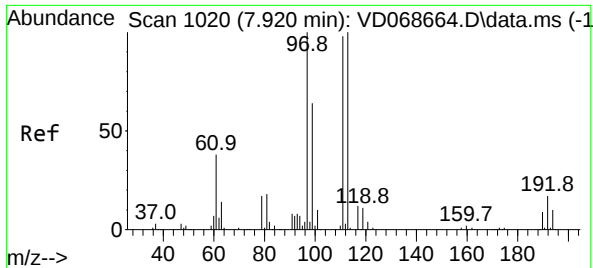


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



Tgt Ion: 114 Resp: 568581
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.2
88 14.4 0.0 29.4





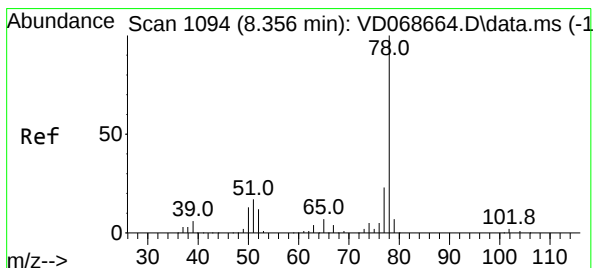
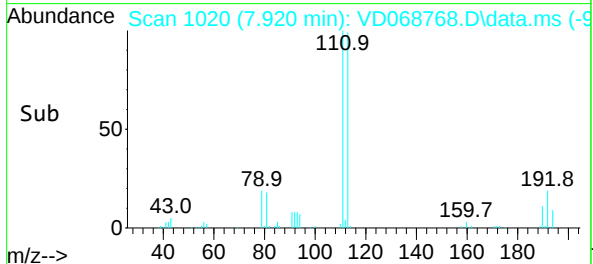
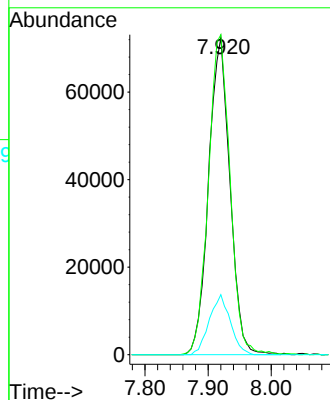
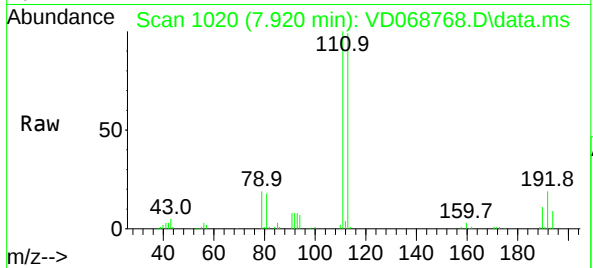
#35
Dibromofluoromethane
Concen: 47.96 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

Tgt Ion:113 Resp: 169652
Ion Ratio Lower Upper
113 100
111 102.8 82.5 123.7
192 18.7 15.1 22.7

Instrument :
MSVOA_D
ClientSampleId :
B7-10-12

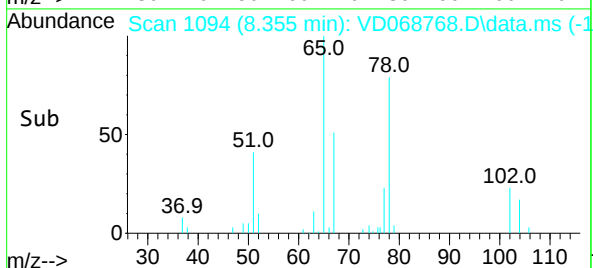
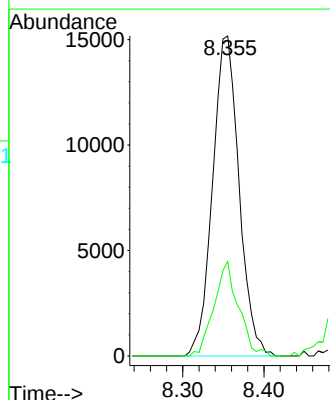
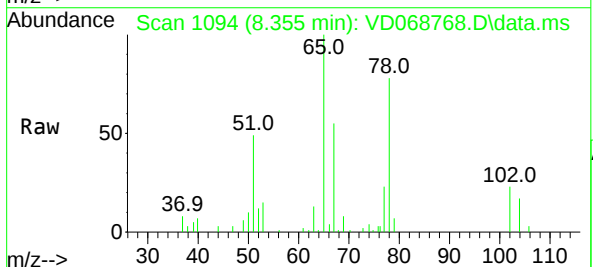
Manual Integrations
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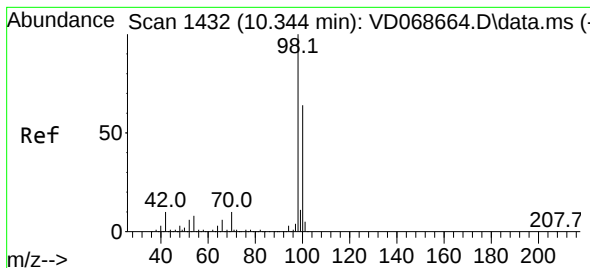
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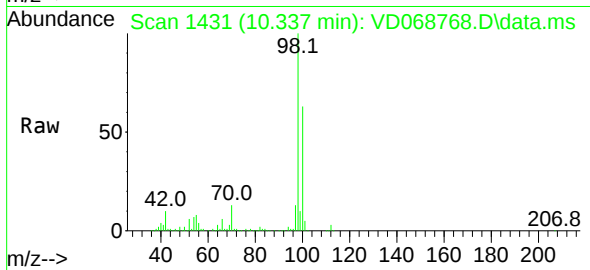
#40
Benzene
Concen: 2.32 ug/l
RT: 8.355 min Scan# 1094
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

Tgt Ion: 78 Resp: 34336
Ion Ratio Lower Upper
78 100
77 29.6 18.2 27.2#

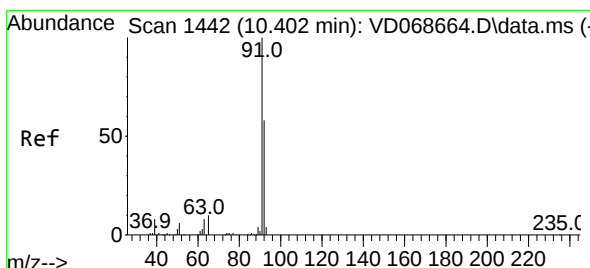
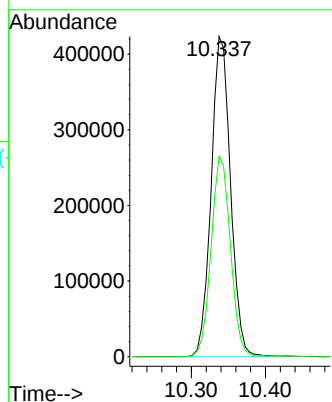
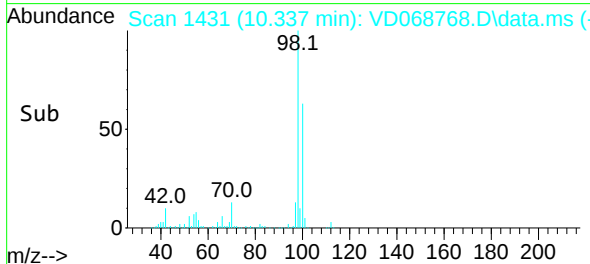




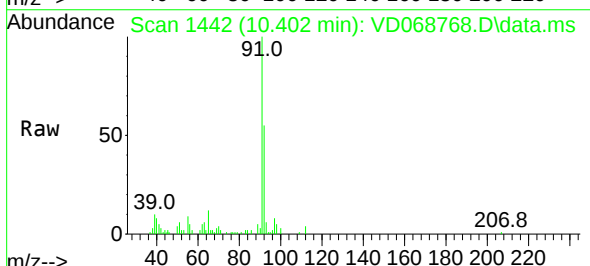
#50
Toluene-d8
Concen: 56.27 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



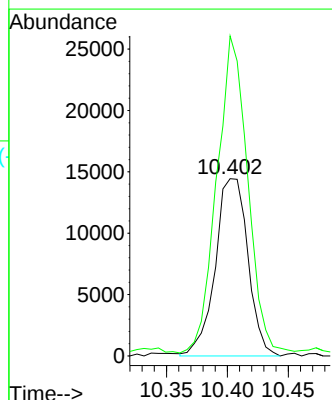
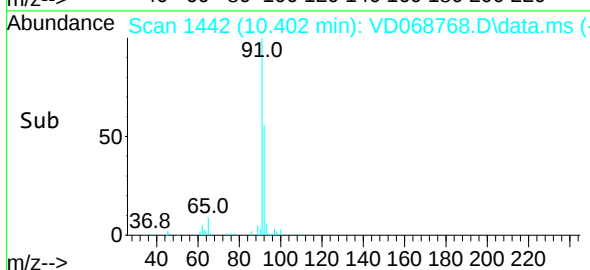
Tgt Ion: 98 Resp: 767536
Ion Ratio Lower Upper
98 100
100 62.6 51.8 77.6



#52
Toluene
Concen: 2.87 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



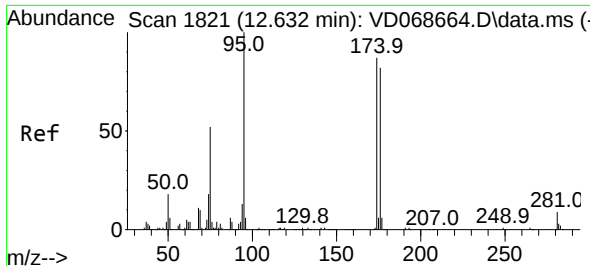
Tgt Ion: 92 Resp: 26952
Ion Ratio Lower Upper
92 100
91 168.6 139.1 208.7



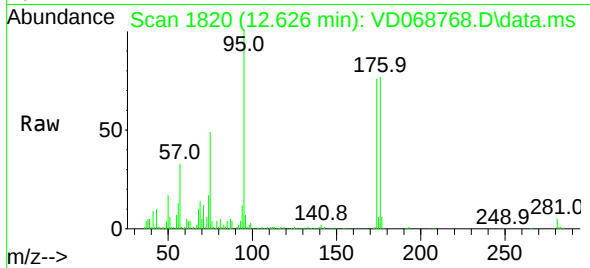
Instrument :
MSVOA_D
ClientSampleId :
B7-10-12

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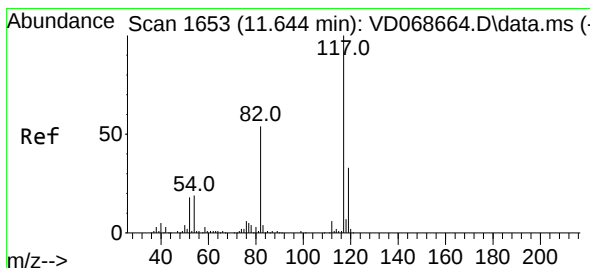
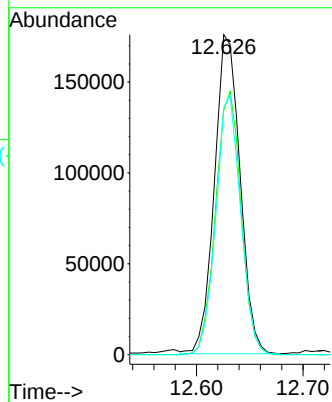
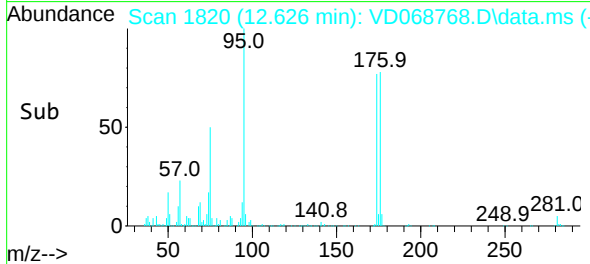
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4/2/2021 6:17:03 PM



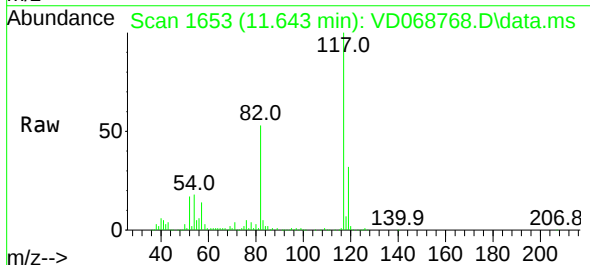
#62
4-Bromofluorobenzene
Concen: 66.26 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



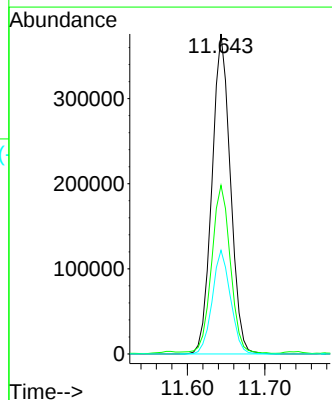
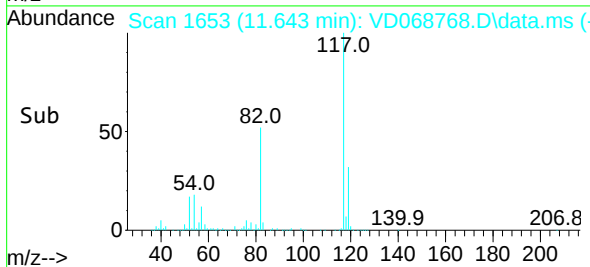
Tgt Ion: 95 Resp: 293025
Ion Ratio Lower Upper
95 100
174 81.7 0.0 168.0
176 78.7 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



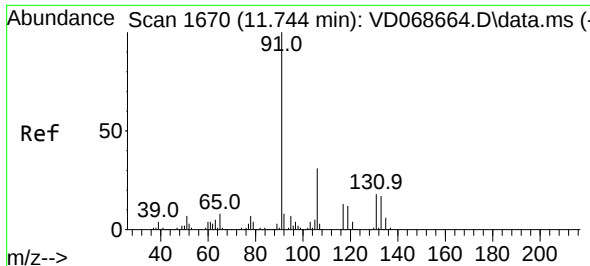
Tgt Ion: 117 Resp: 622909
Ion Ratio Lower Upper
117 100
82 52.4 43.5 65.3
119 32.4 26.7 40.1



Instrument :
MSVOA_D
ClientSampleId :
B7-10-12

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4/2/2021 6:17:03 PM



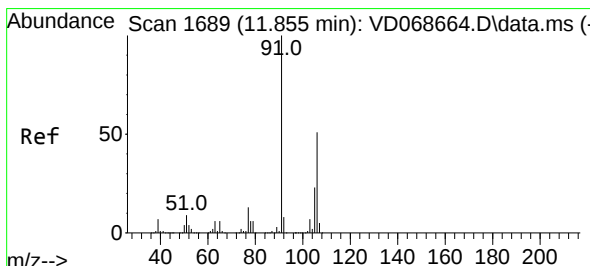
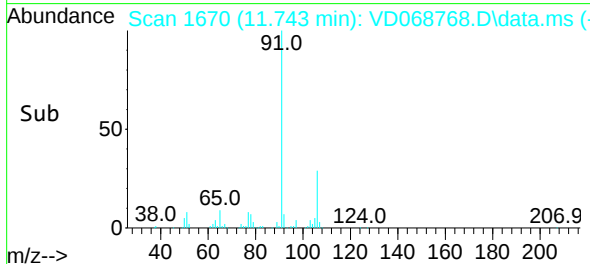
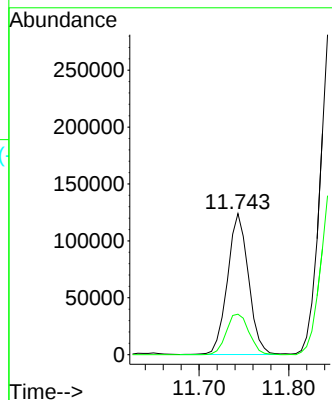
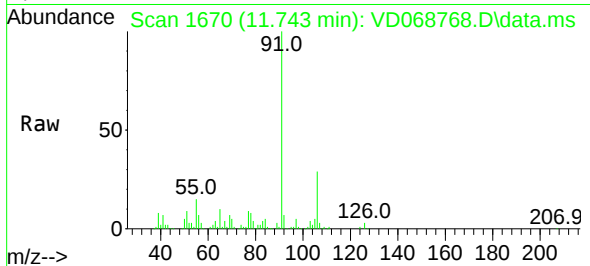
#67
Ethyl Benzene
Concen: 9.40 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

Tgt Ion: 91 Resp: 201016
Ion Ratio Lower Upper
91 100
106 28.7 25.1 37.7

Instrument :
MSVOA_D
ClientSampleId :
B7-10-12

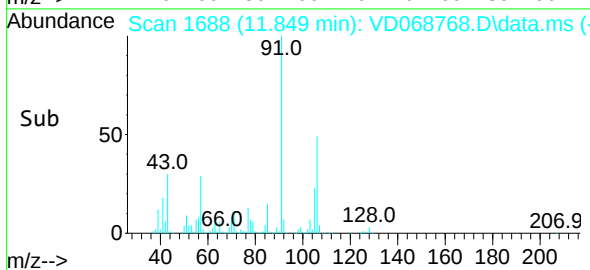
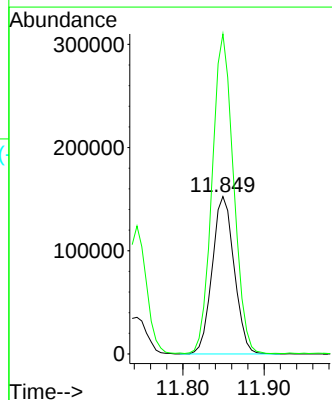
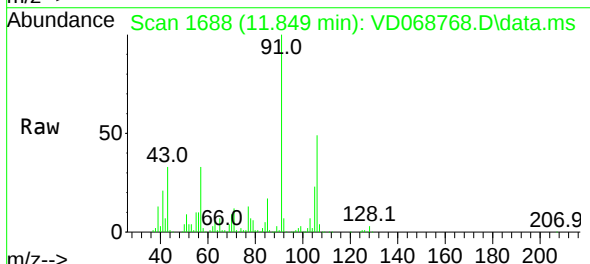
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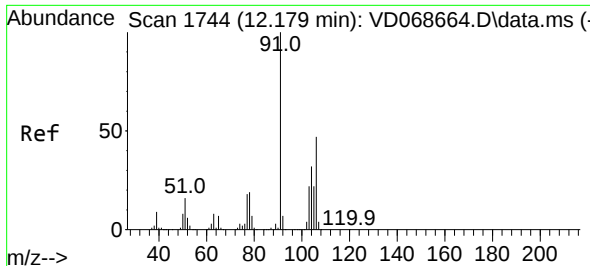
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4/2/2021 6:17:03 PM



#68
m/p-Xylenes
Concen: 34.40 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

Tgt Ion:106 Resp: 286668
Ion Ratio Lower Upper
106 100
91 197.7 158.6 238.0





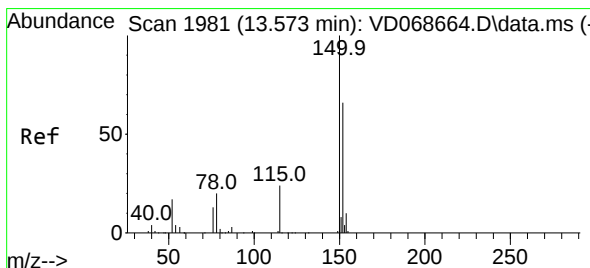
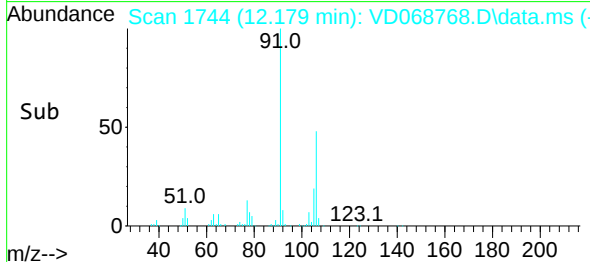
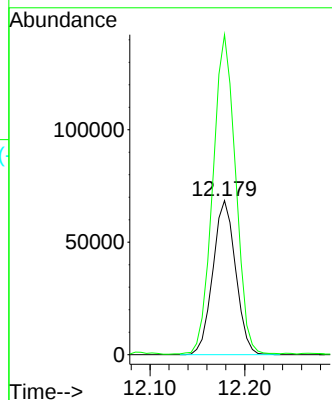
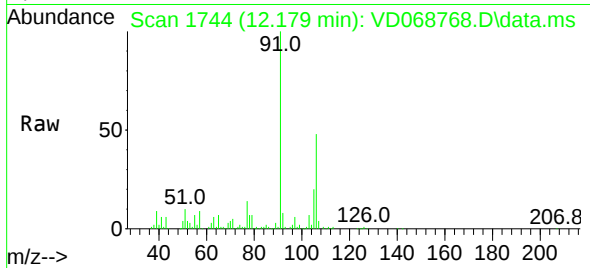
#69
o-Xylene
Concen: 14.82 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

Tgt Ion:106 Resp: 114475
Ion Ratio Lower Upper
106 100
91 207.5 105.0 315.0

Instrument :
MSVOA_D
ClientSampleId :
B7-10-12

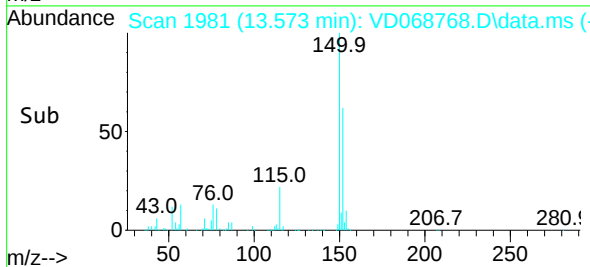
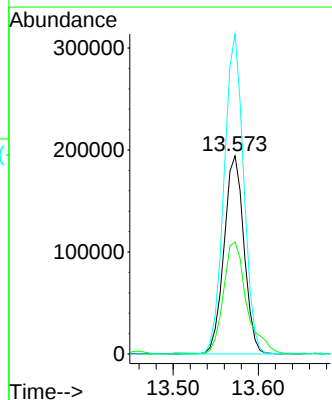
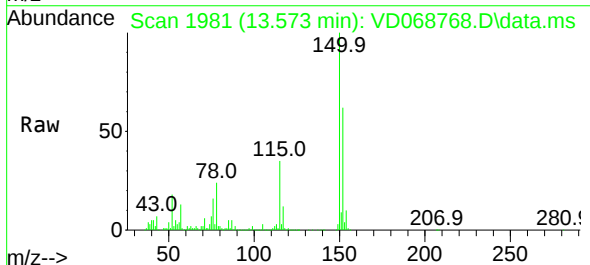
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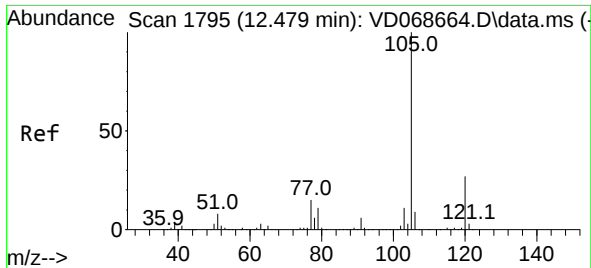
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4/2/2021 6:17:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

Tgt Ion:152 Resp: 316344
Ion Ratio Lower Upper
152 100
115 65.3 29.3 87.8
150 158.1 0.0 347.6





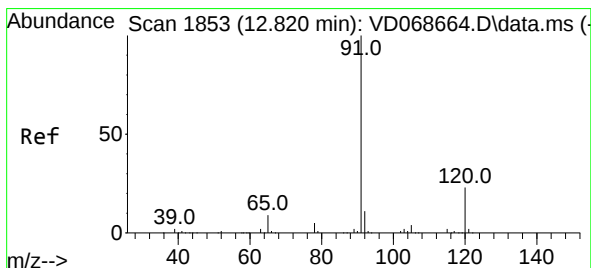
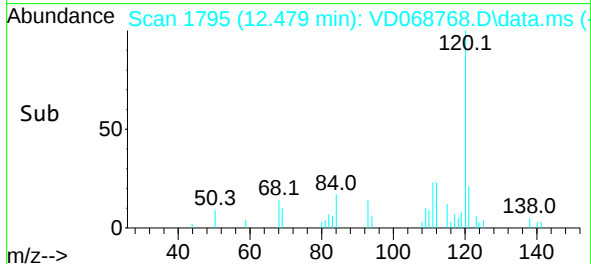
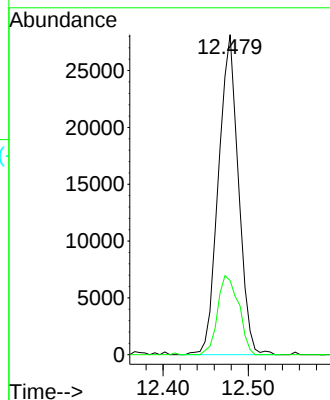
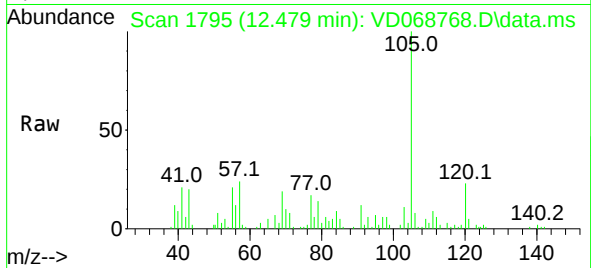
#73
Isopropylbenzene
Concen: 2.11 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

Tgt Ion: 105 Resp: 45881
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.2

Instrument :
MSVOA_D
ClientSampled :
B7-10-12

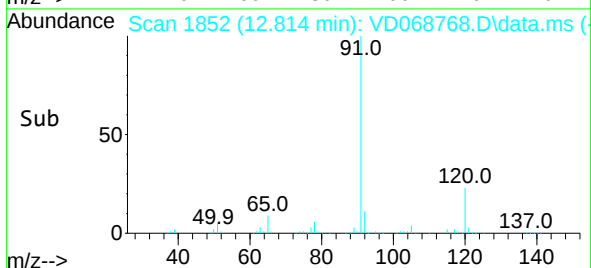
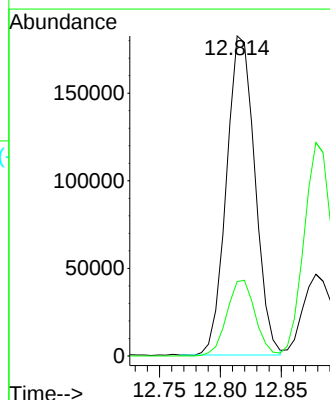
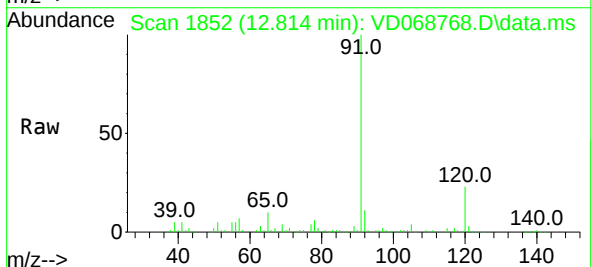
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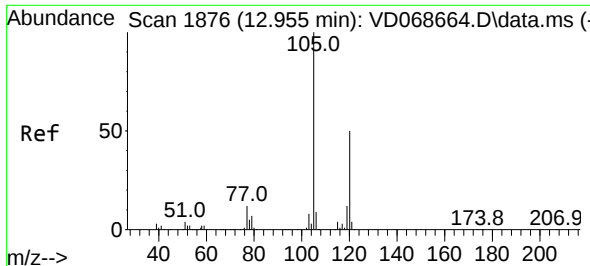
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4/2/2021 6:17:03 PM



#78
n-propylbenzene
Concen: 11.45 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

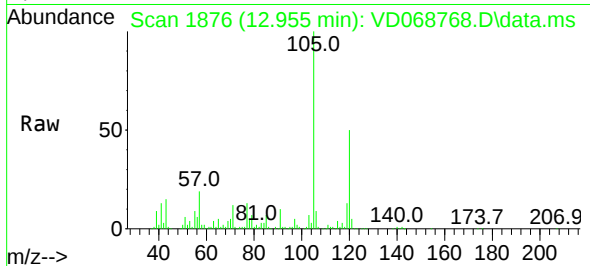
Tgt Ion: 91 Resp: 296246
Ion Ratio Lower Upper
91 100
120 23.7 11.4 34.2





#80
1,3,5-Trimethylbenzene
Concen: 24.57 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47

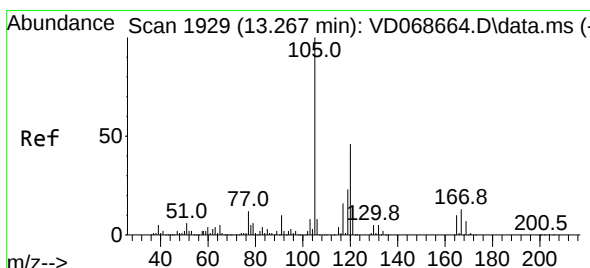
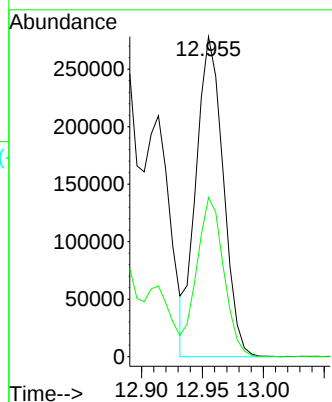
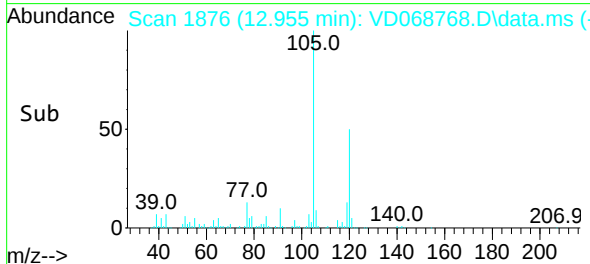
Instrument :
MSVOA_D
ClientSampleId :
B7-10-12



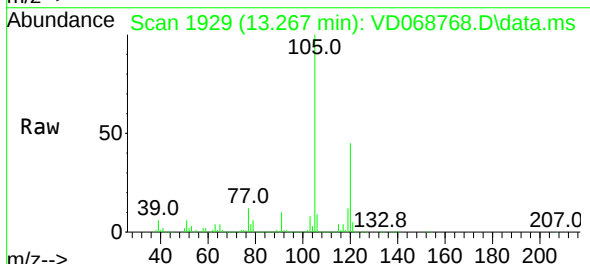
Tgt Ion:105 Resp: 431964
Ion Ratio Lower Upper
105 100
120 49.3 24.9 74.7

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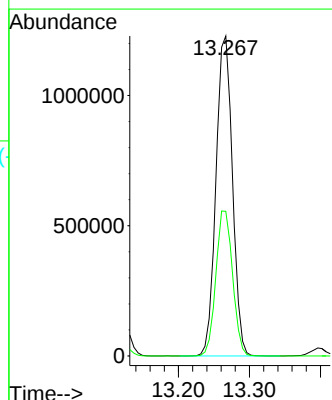
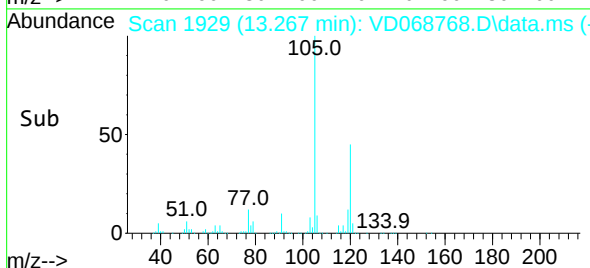
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4/2/2021 6:17:03 PM

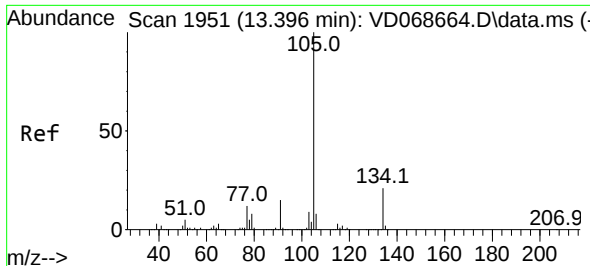


#84
1,2,4-Trimethylbenzene
Concen: 108.45 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



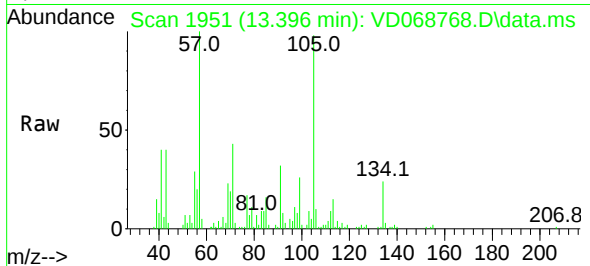
Tgt Ion:105 Resp: 1969418
Ion Ratio Lower Upper
105 100
120 46.1 22.6 67.7





#85
 sec-Butylbenzene
 Concen: 2.19 ug/l m
 RT: 13.396 min Scan# 1951
 Delta R.T. -0.000 min
 Lab File: VD068768.D
 Acq: 01 Apr 2021 19:47

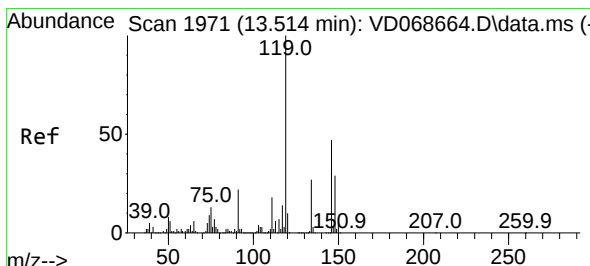
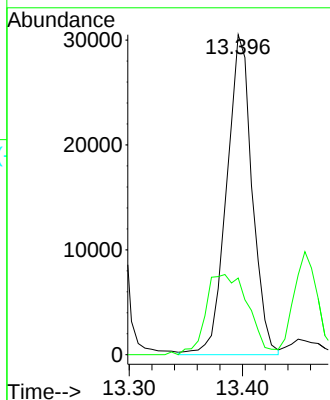
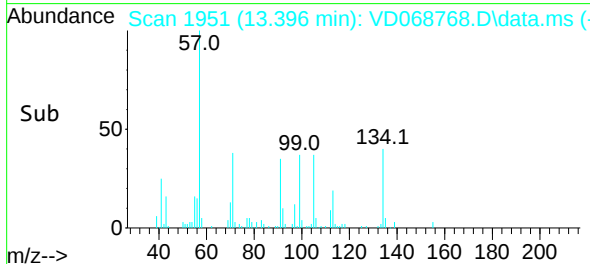
Instrument :
 MSVOA_D
 ClientSampled :
 B7-10-12



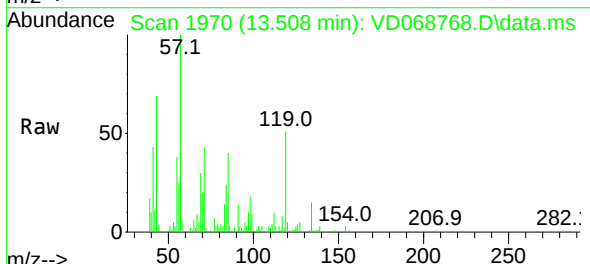
Tgt Ion:105 Resp: 47660
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#

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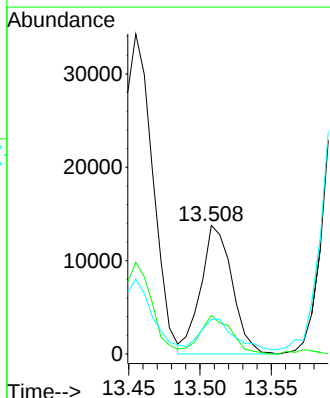
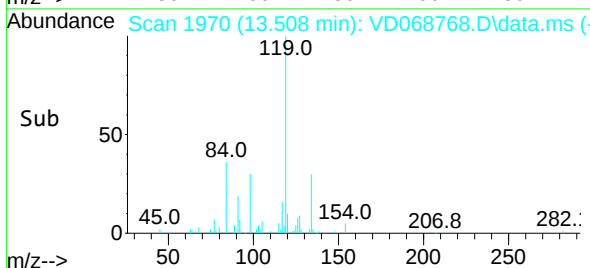
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 4/2/2021 6:17:03 PM

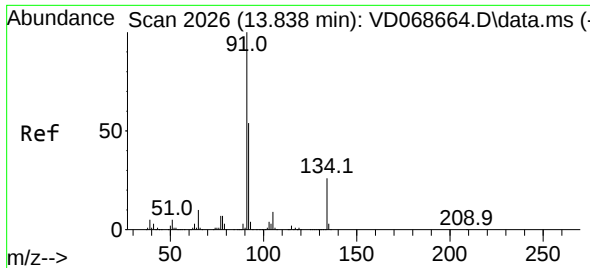


#86
 p-Isopropyltoluene
 Concen: 1.06 ug/l m
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.006 min
 Lab File: VD068768.D
 Acq: 01 Apr 2021 19:47

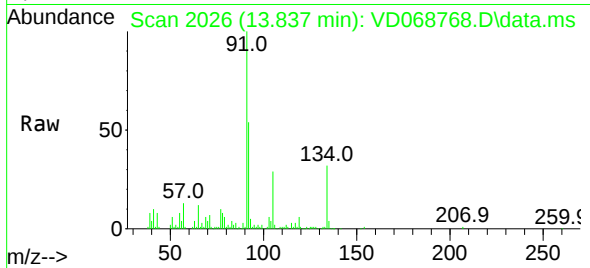


Tgt Ion:119 Resp: 21051
 Ion Ratio Lower Upper
 119 100
 134 67.9 13.3 39.9#
 91 48.4 11.1 33.1#

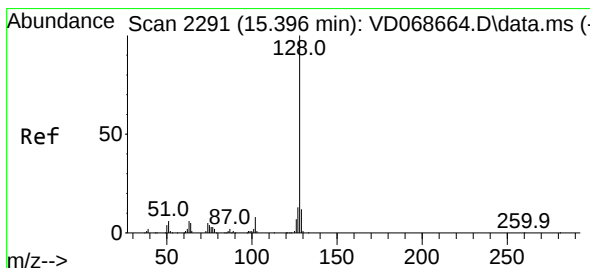
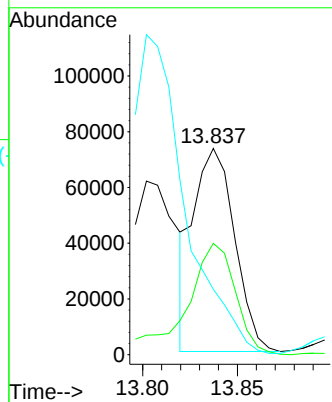
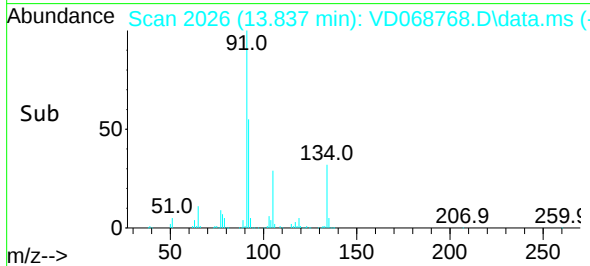




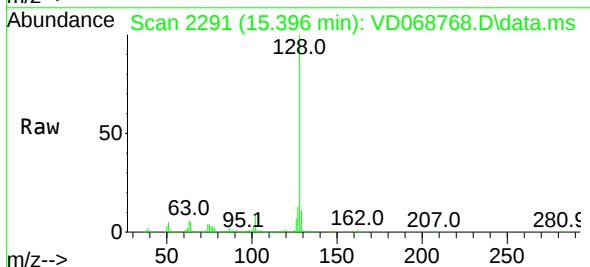
#89
n-Butylbenzene
Concen: 5.82 ug/l
RT: 13.837 min Scan# 2026
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



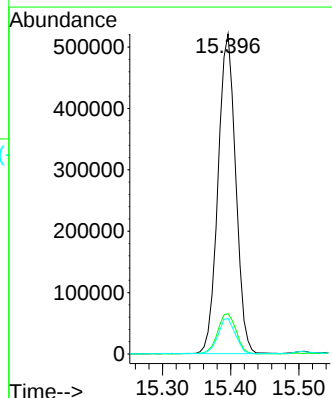
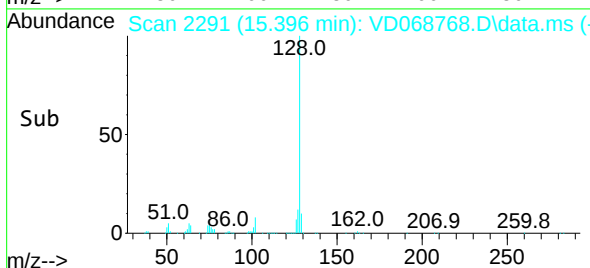
Tgt Ion: 91 Resp: 109424
Ion Ratio Lower Upper
91 100
92 65.7 26.7 80.1
134 0.0 12.9 38.6#



#95
Naphthalene
Concen: 95.50 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.000 min
Lab File: VD068768.D
Acq: 01 Apr 2021 19:47



Tgt Ion: 128 Resp: 938274
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.8 8.9 13.3



Instrument :
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ClientSampled :
B7-10-12

Manual Integrations
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4/2/2021 6:17:03 PM