

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060421\
 Data File : VD069343.D
 Acq On : 04 Jun 2021 13:29
 Operator : VA/SY
 Sample : M2583-02
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 54-57S

Manual Integrations
 APPROVED

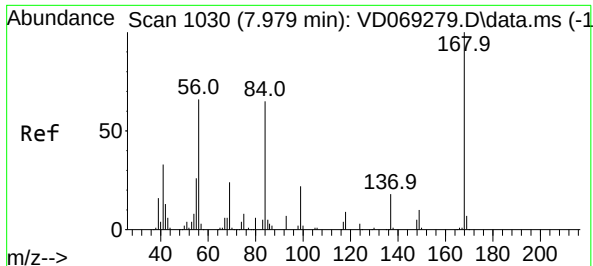
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Quant Time: Jun 05 00:34:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

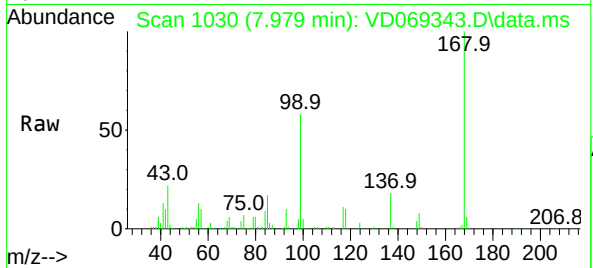
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	242127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	466638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	292528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	71932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	158493	68.220	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.440%			
35) Dibromofluoromethane	7.914	113	164014	55.970	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.940%			
50) Toluene-d8	10.338	98	435043	40.826	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 81.660%			
62) 4-Bromofluorobenzene	12.626	95	102519	29.361	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 58.720%			
Target Compounds					Qvalue	
16) Acetone	4.156	43	213750	527.221	ug/l	100
17) Carbon Disulfide	4.409	76	39974	4.978	ug/l	96
25) 2-Butanone	7.208	43	58339	109.354	ug/l	95
39) Methylcyclohexane	9.355	83	26270	5.662	ug/l	90
40) Benzene	8.350	78	28728	2.181	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	85864	59.311	ug/l	97
52) Toluene	10.402	92	708132	85.166	ug/l	98
64) Tetrachloroethene	10.873	164	2651	1.302	ug/l #	69
67) Ethyl Benzene	11.744	91	63167	6.150	ug/l	98
68) m/p-Xylenes	11.844	106	124621	30.966	ug/l	99
69) o-Xylene	12.179	106	75322	21.162	ug/l	100
70) Styrene	12.191	104	67138	10.866	ug/l	93
78) n-propylbenzene	12.814	91	22618	3.746	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	61156	14.668	ug/l	99
83) tert-Butylbenzene	13.220	119	7817	2.239	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.261	105	116223	28.029	ug/l	98
85) sec-Butylbenzene	13.391	105	20557	3.989	ug/l	81
86) p-Isopropyltoluene	13.508	119	262458	58.244	ug/l #	77
89) n-Butylbenzene	13.832	91	15091m	3.579	ug/l	

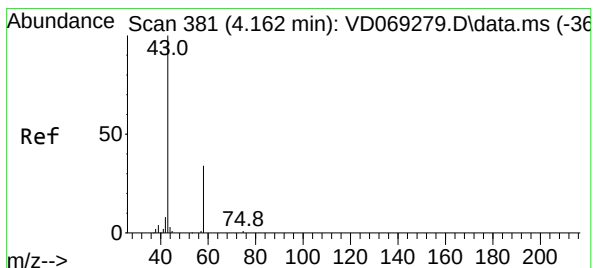
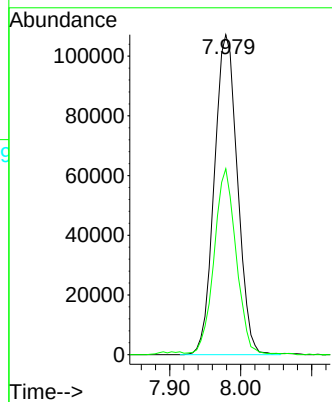
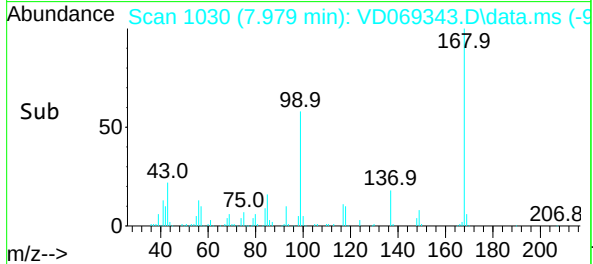
(#) = qualifier out of range (m) = manual integration (+) = signals summed



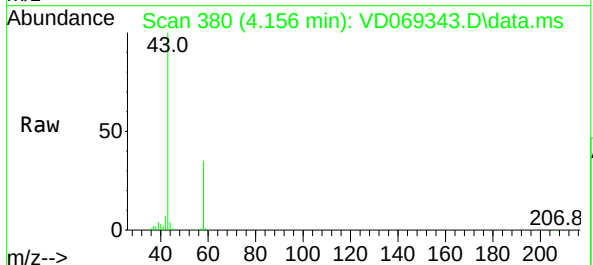
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069343.D
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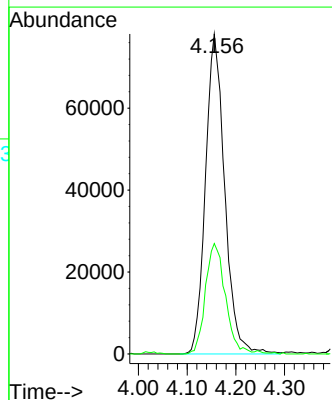
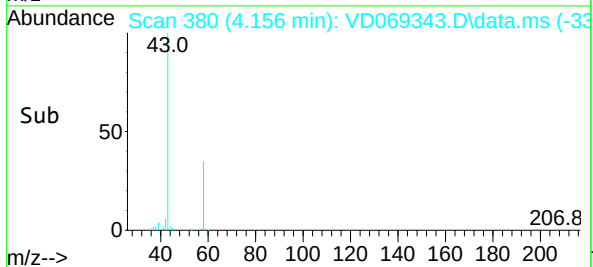
Tgt Ion:168 Resp: 242127
Ion Ratio Lower Upper
168 100
99 57.7 46.2 69.2



#16
Acetone
Concen: 527.221 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29



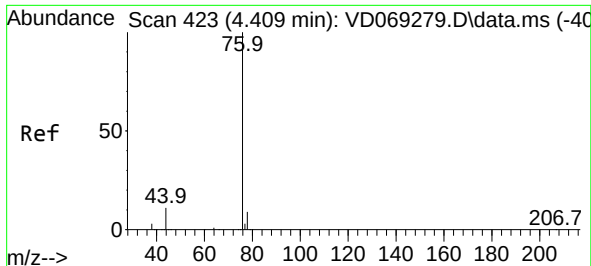
Tgt Ion: 43 Resp: 213750
Ion Ratio Lower Upper
43 100
58 34.5 27.5 41.3



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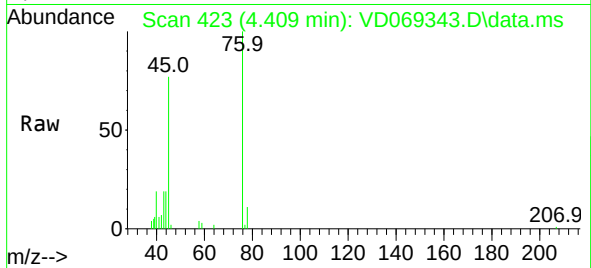
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#17
Carbon Disulfide
Concen: 4.978 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29

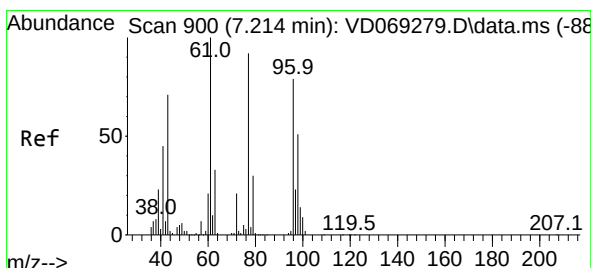
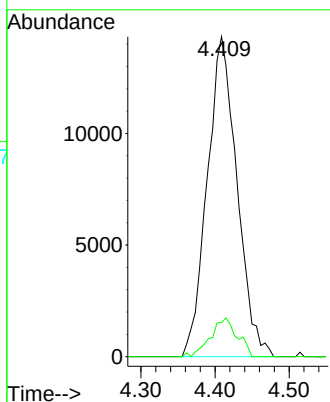
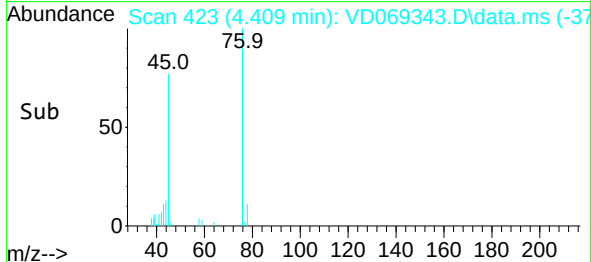
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ClientSampleId :
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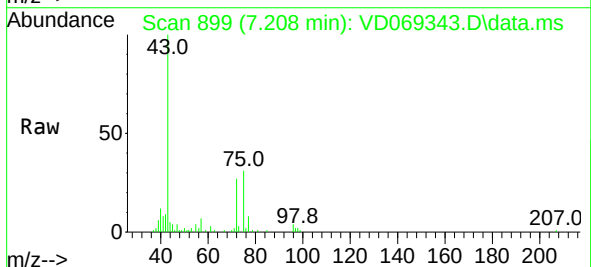
Tgt Ion: 76 Resp: 39974
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0

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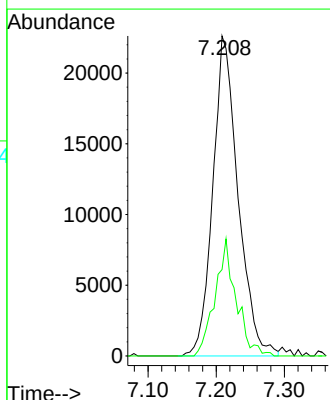
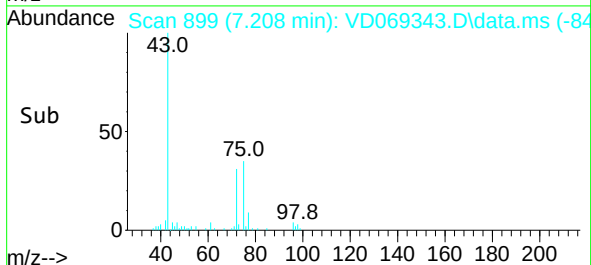
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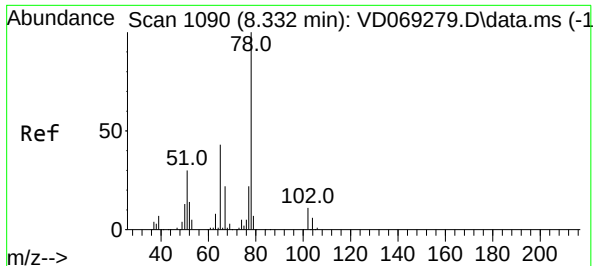


#25
2-Butanone
Concen: 109.354 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069343.D
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Tgt Ion: 43 Resp: 58339
Ion Ratio Lower Upper
43 100
72 27.0 23.9 35.9





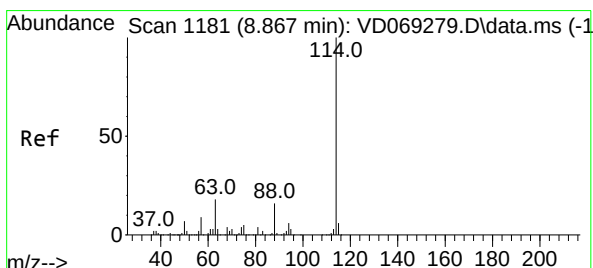
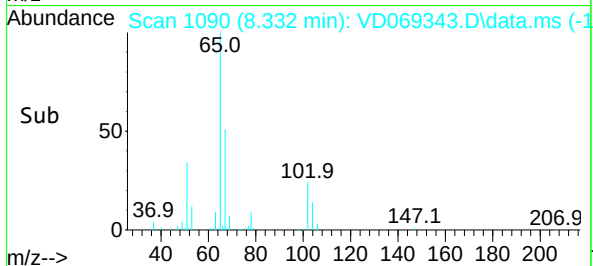
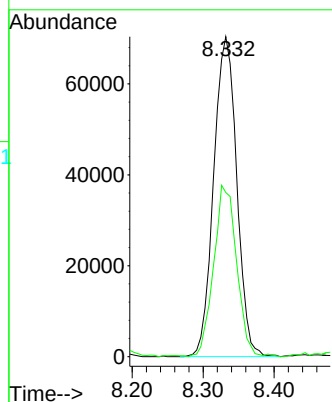
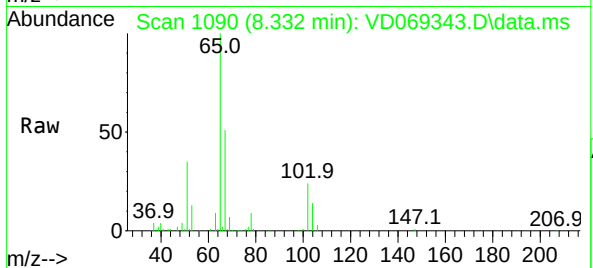
#33
1,2-Dichloroethane-d4
Concen: 68.220 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069343.D
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Tgt Ion: 65 Resp: 158493
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8

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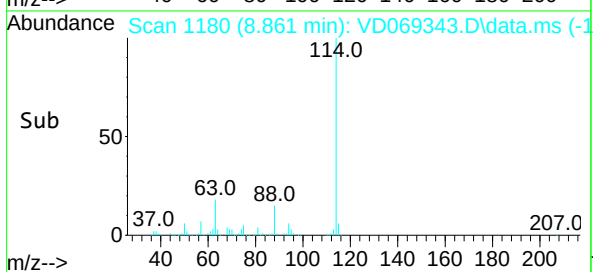
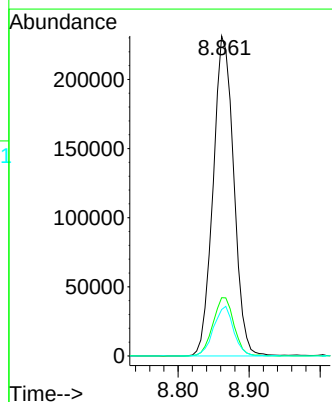
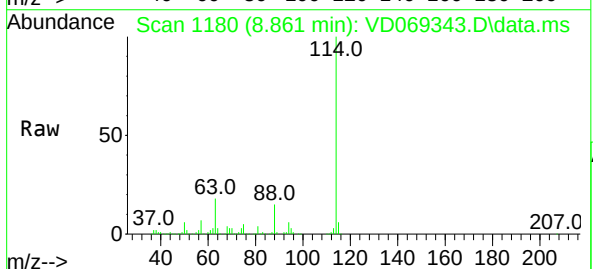
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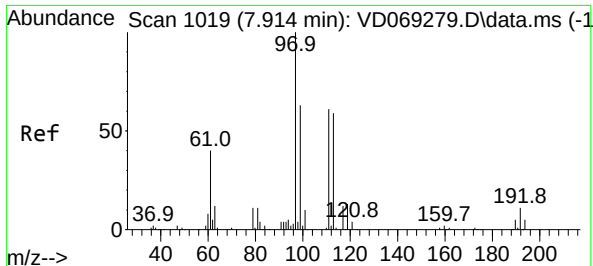
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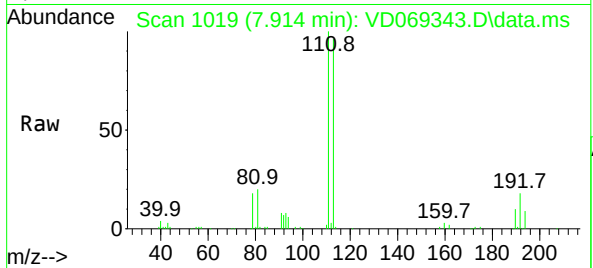
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069343.D
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Tgt Ion: 114 Resp: 466638
Ion Ratio Lower Upper
114 100
63 18.2 0.0 35.6
88 14.5 0.0 31.2

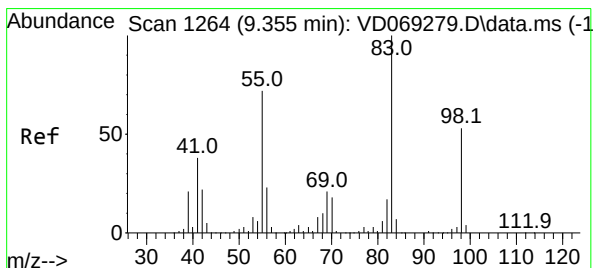
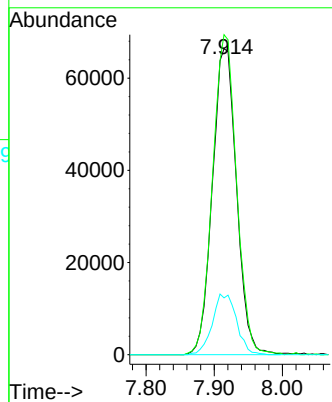
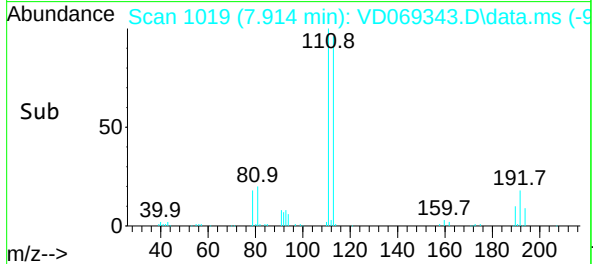




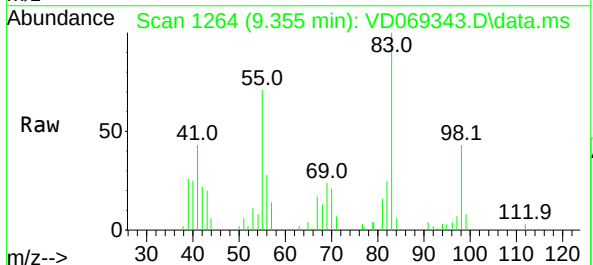
#35
Dibromofluoromethane
Concen: 55.970 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069343.D
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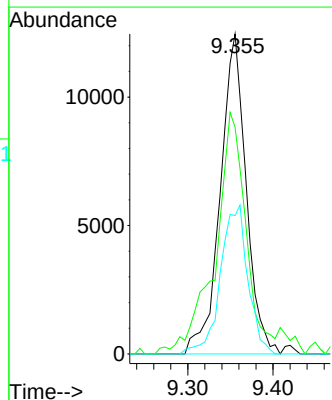
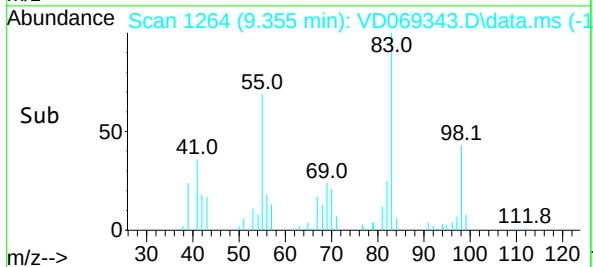
Tgt Ion:113 Resp: 164014
Ion Ratio Lower Upper
113 100
111 103.6 83.0 124.6
192 19.8 15.1 22.7



#39
Methylcyclohexane
Concen: 5.662 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29



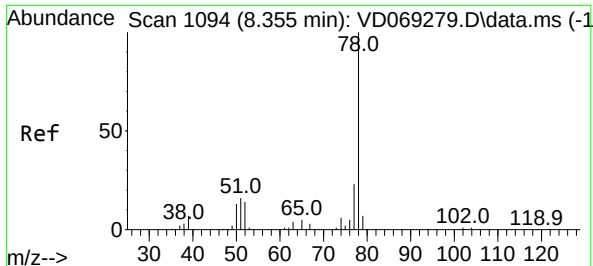
Tgt Ion: 83 Resp: 26270
Ion Ratio Lower Upper
83 100
55 65.4 57.4 86.2
98 43.3 42.2 63.2



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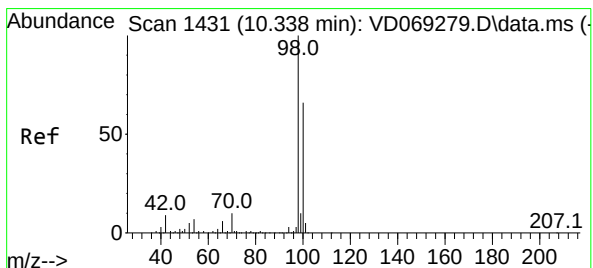
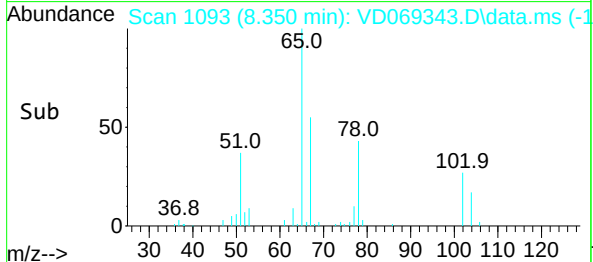
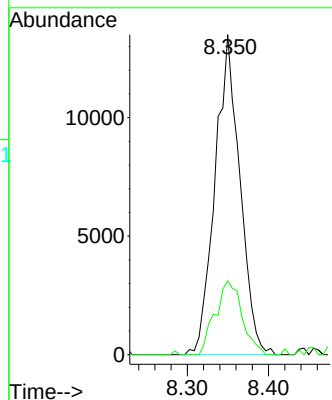
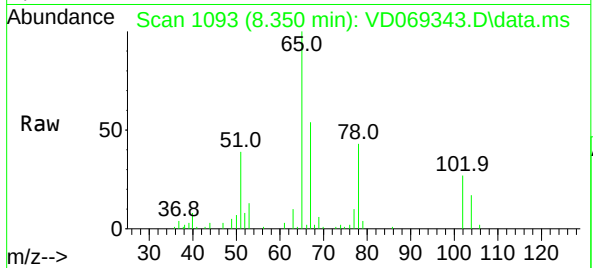
#40
Benzene
Concen: 2.181 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD069343.D
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Instrument :
MSVOA_D
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Tgt Ion: 78 Resp: 28728
Ion Ratio Lower Upper
78 100
77 23.0 18.7 28.1

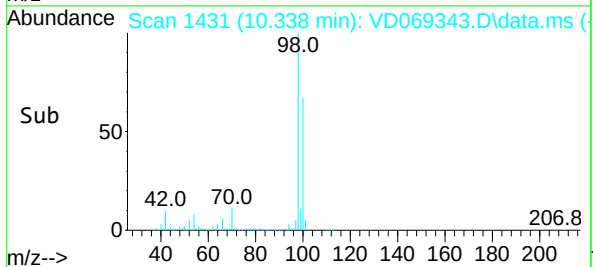
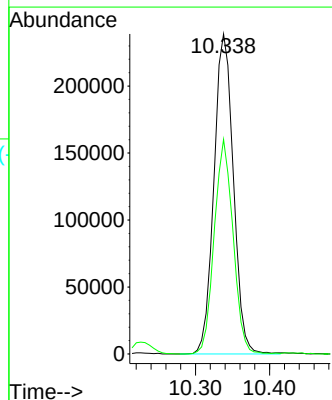
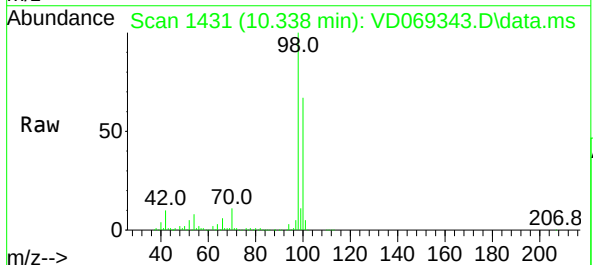
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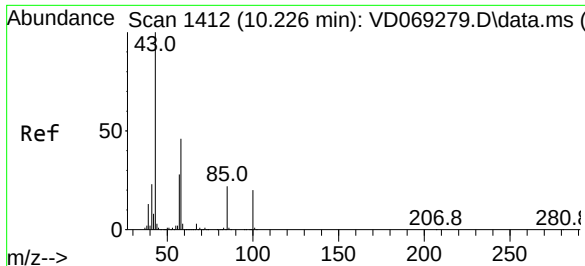
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#50
Toluene-d8
Concen: 40.826 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069343.D
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Tgt Ion: 98 Resp: 435043
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1





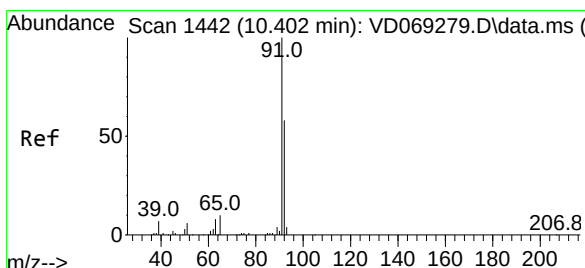
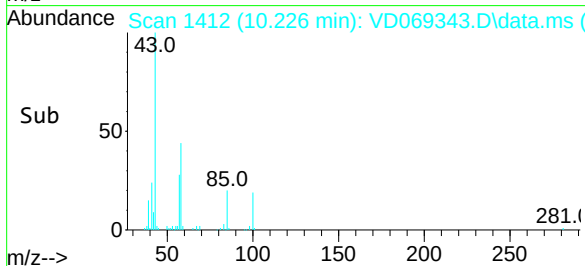
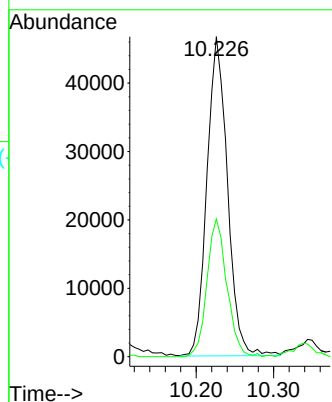
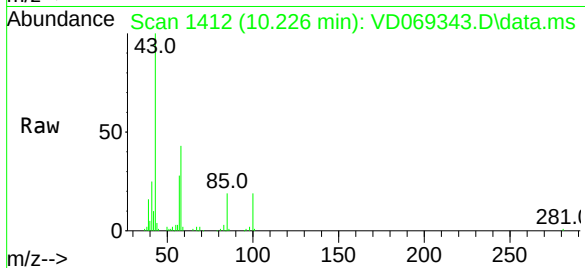
#51
4-Methyl-2-Pentanone
Concen: 59.311 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29

Tgt Ion: 43 Resp: 85864
Ion Ratio Lower Upper
43 100
58 41.8 35.1 52.7

Instrument :
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ClientSampled :
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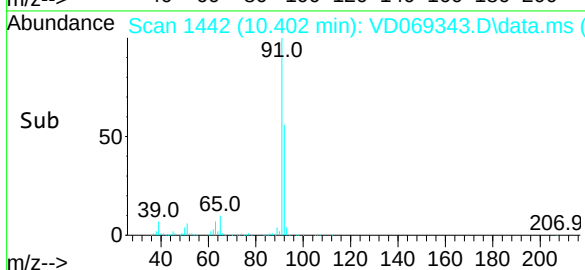
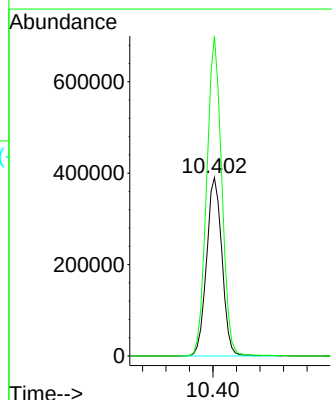
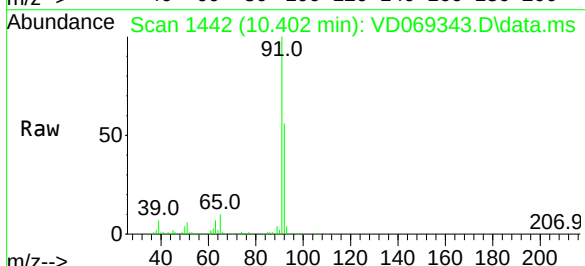
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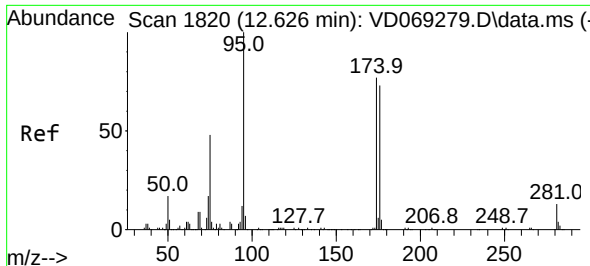
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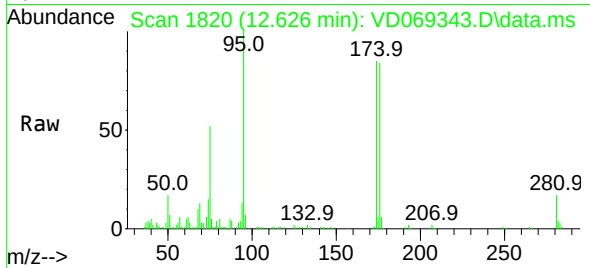
#52
Toluene
Concen: 85.166 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29

Tgt Ion: 92 Resp: 708132
Ion Ratio Lower Upper
92 100
91 175.5 138.4 207.6

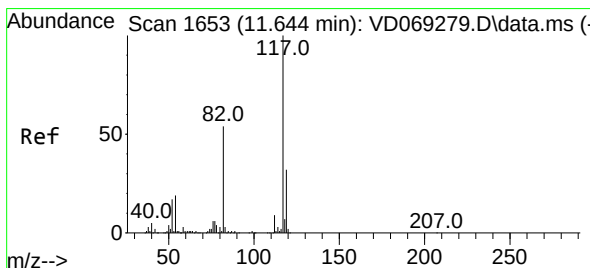
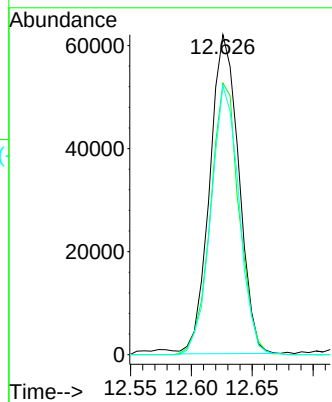
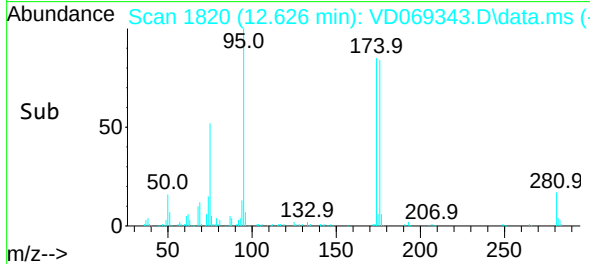




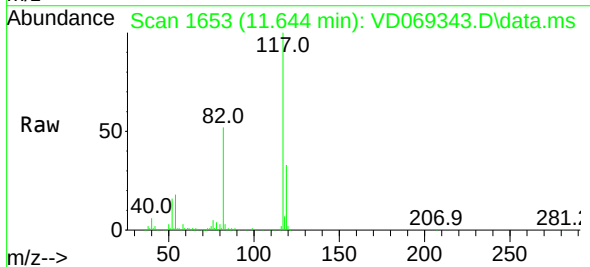
#62
4-Bromofluorobenzene
Concen: 29.361 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29



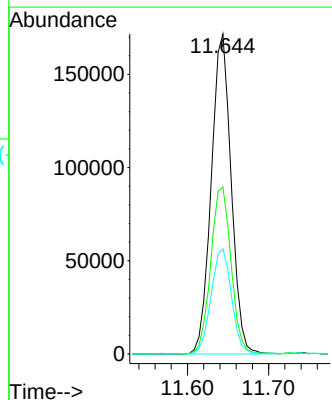
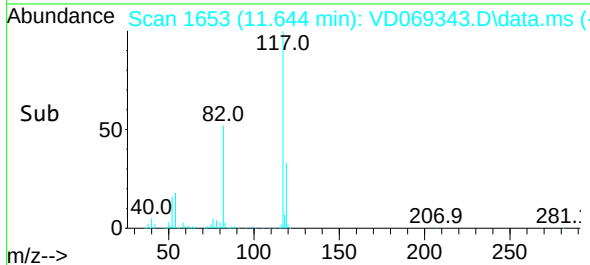
Tgt Ion: 95 Resp: 102519
Ion Ratio Lower Upper
95 100
174 84.1 0.0 162.8
176 81.8 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29



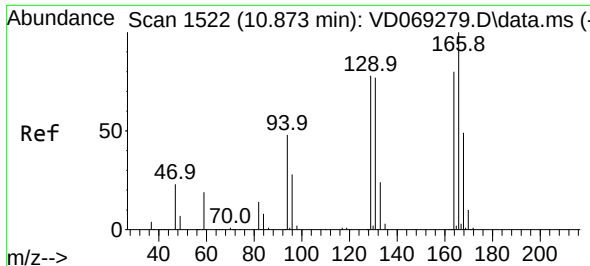
Tgt Ion: 117 Resp: 292528
Ion Ratio Lower Upper
117 100
82 52.2 43.3 64.9
119 32.8 25.3 37.9



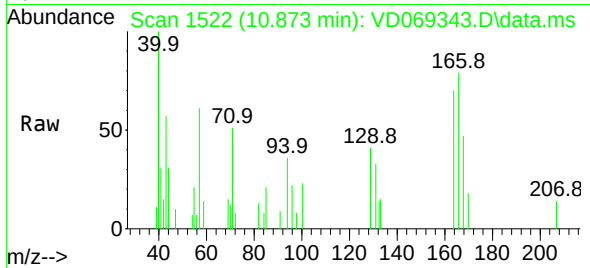
Instrument :
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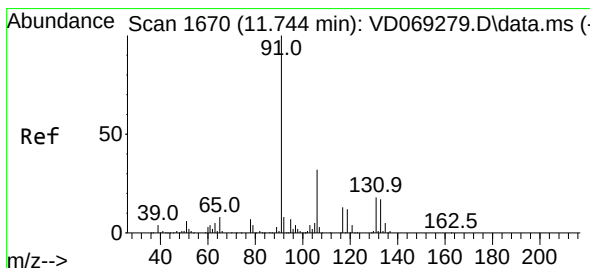
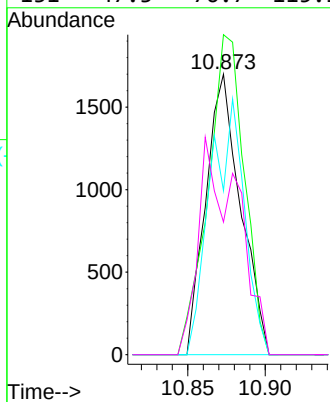
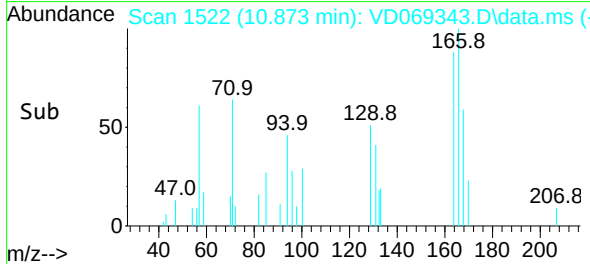
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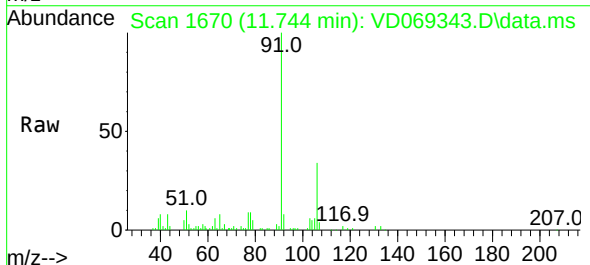
#64
Tetrachloroethene
Concen: 1.302 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29



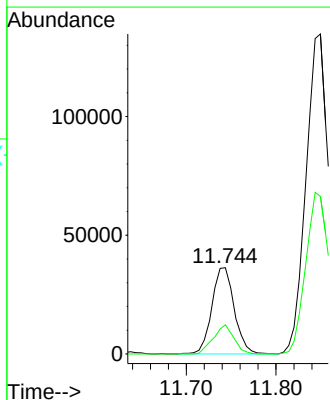
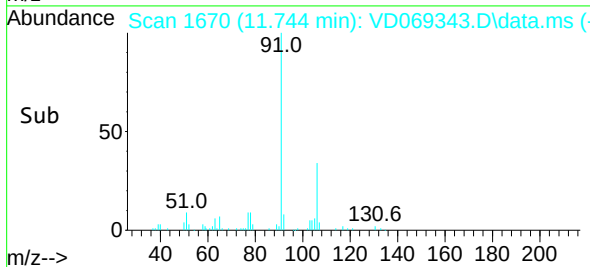
Tgt Ion:164 Resp: 2651
Ion Ratio Lower Upper
164 100
166 114.1 100.2 150.4
129 58.5 78.1 117.1#
131 47.3 76.7 115.1#



#67
Ethyl Benzene
Concen: 6.150 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29



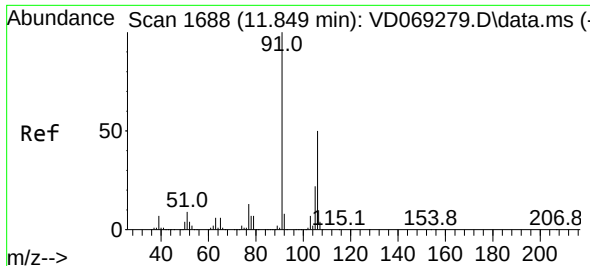
Tgt Ion: 91 Resp: 63167
Ion Ratio Lower Upper
91 100
106 33.7 25.9 38.9



Instrument :
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ClientSampled :
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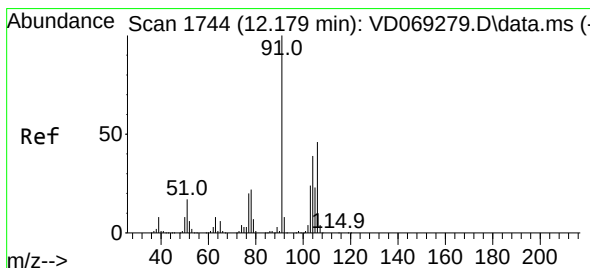
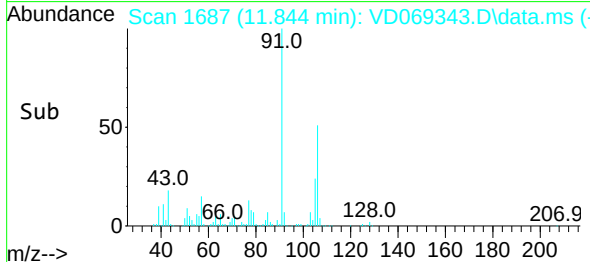
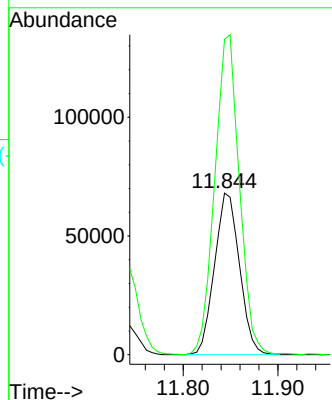
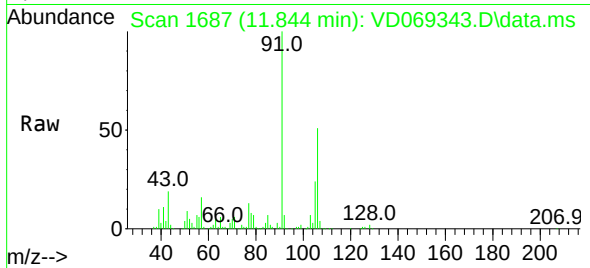
#68
m/p-Xylenes
Concen: 30.966 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29

Tgt Ion:106 Resp: 124621
Ion Ratio Lower Upper
106 100
91 195.7 158.3 237.5

Instrument :
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ClientSampled :
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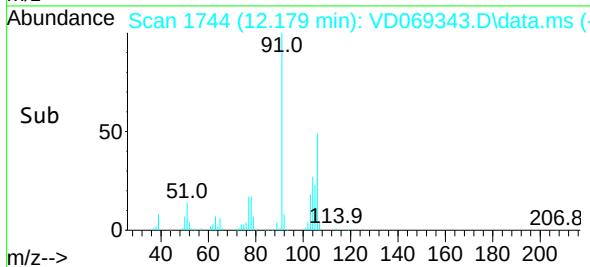
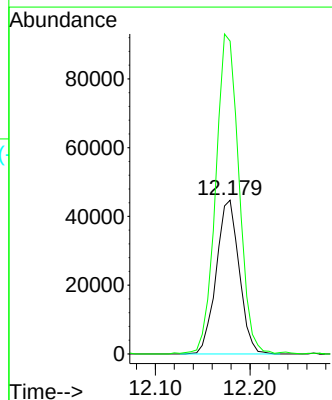
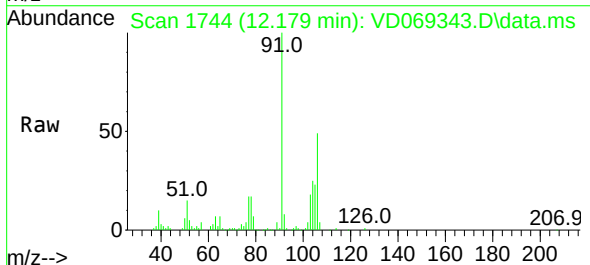
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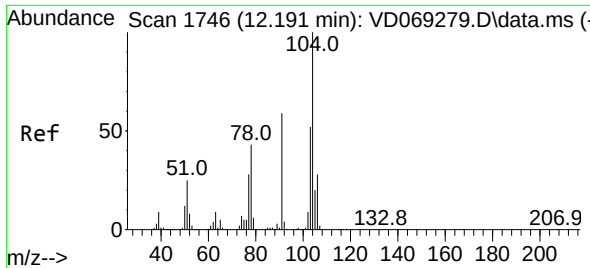
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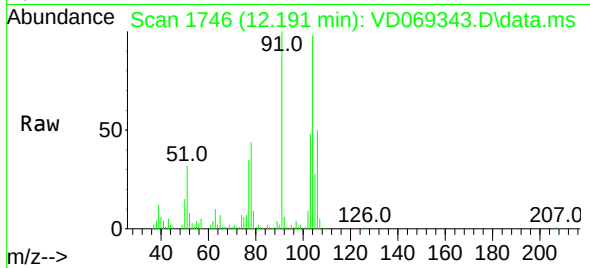
#69
o-Xylene
Concen: 21.162 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29

Tgt Ion:106 Resp: 75322
Ion Ratio Lower Upper
106 100
91 210.5 105.5 316.4

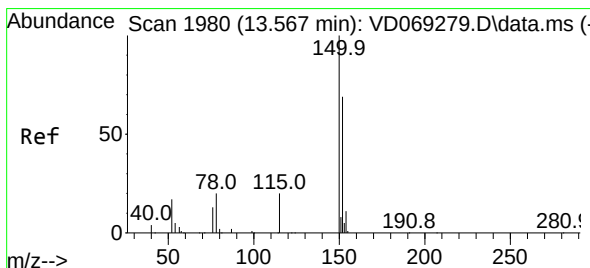
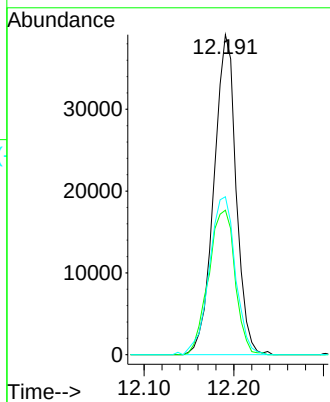
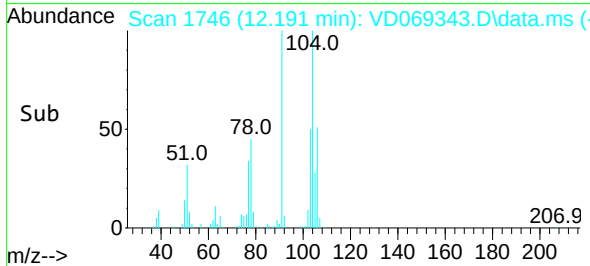




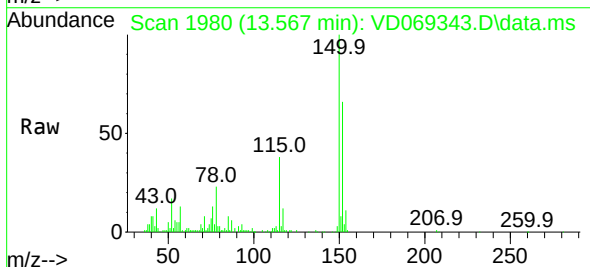
#70
Styrene
Concen: 10.866 ug/l
RT: 12.191 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29



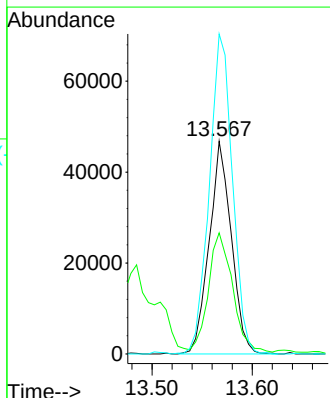
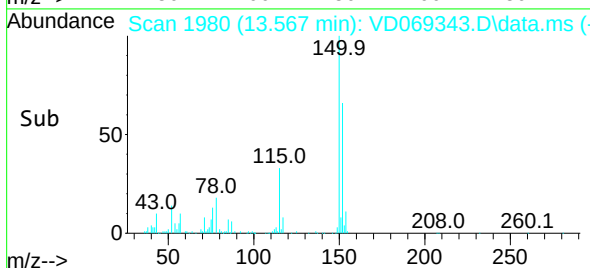
Tgt Ion:104 Resp: 67138
Ion Ratio Lower Upper
104 100
78 53.8 37.5 56.3
103 58.0 44.3 66.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29



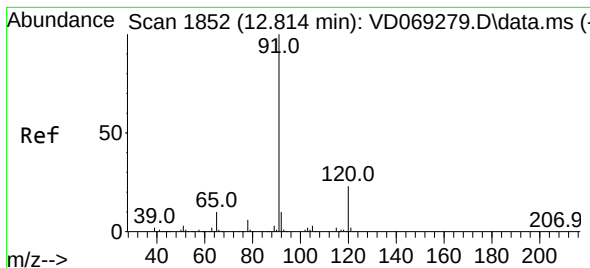
Tgt Ion:152 Resp: 71932
Ion Ratio Lower Upper
152 100
115 60.8 29.4 88.3
150 157.1 0.0 355.0



Instrument :
MSVOA_D
ClientSampled :
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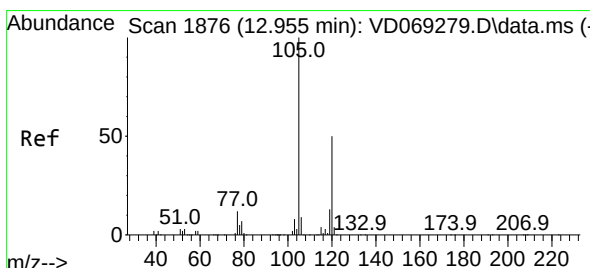
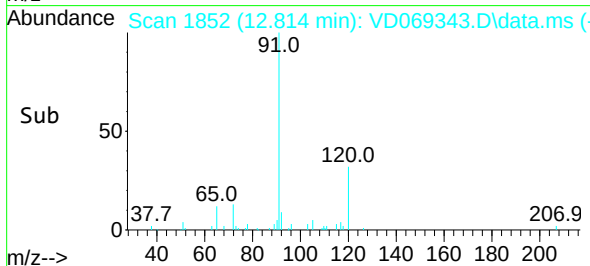
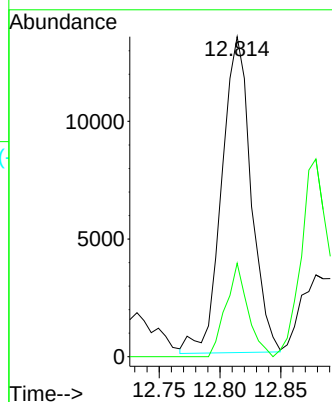
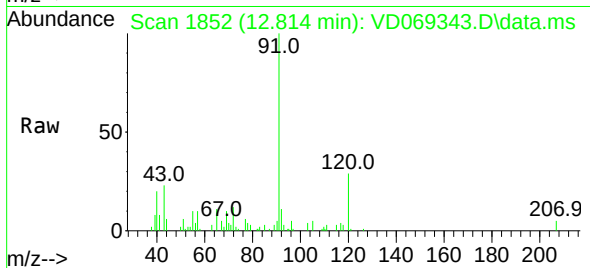
#78
n-propylbenzene
Concen: 3.746 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29

Tgt Ion: 91 Resp: 22618
Ion Ratio Lower Upper
91 100
120 22.0 11.6 34.8

Instrument :
MSVOA_D
ClientSampled :
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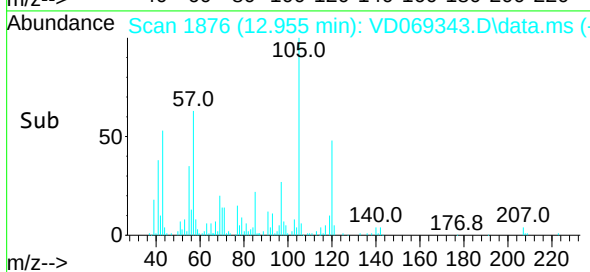
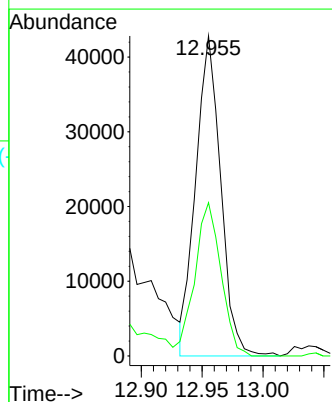
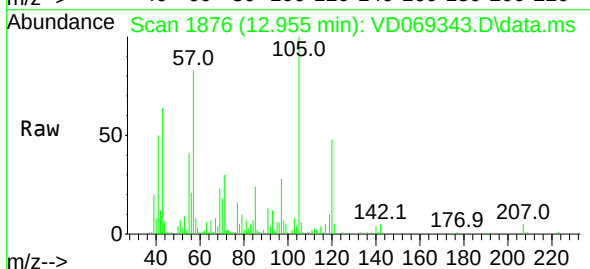
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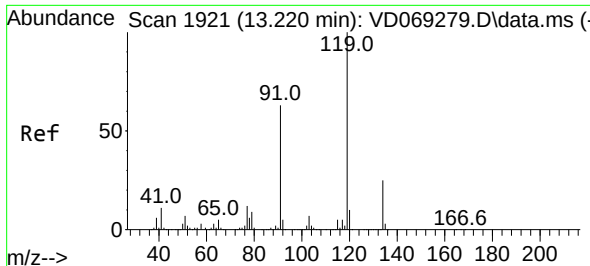
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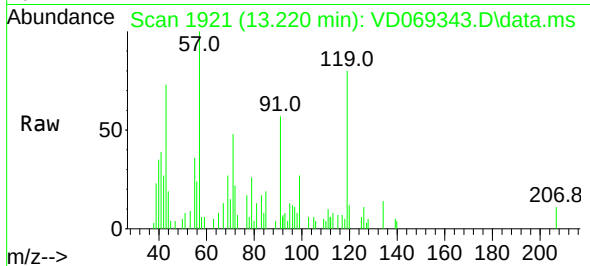
#80
1,3,5-Trimethylbenzene
Concen: 14.668 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29

Tgt Ion: 105 Resp: 61156
Ion Ratio Lower Upper
105 100
120 50.4 24.9 74.7

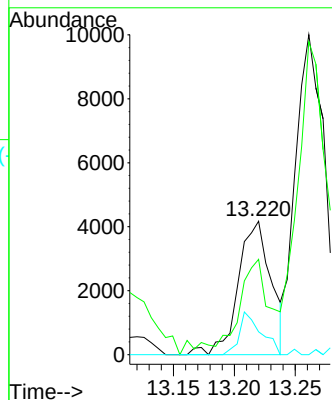
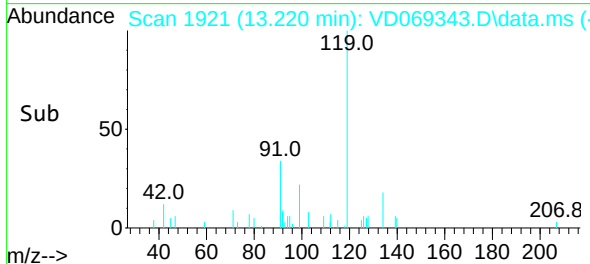




#83
tert-Butylbenzene
Concen: 2.239 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29



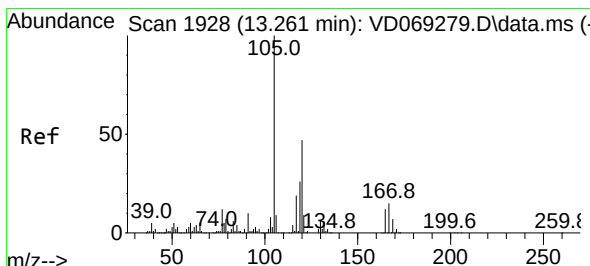
Tgt Ion:119 Resp: 7817
Ion Ratio Lower Upper
119 100
91 0.0 31.7 95.1#
134 21.2 13.4 40.1



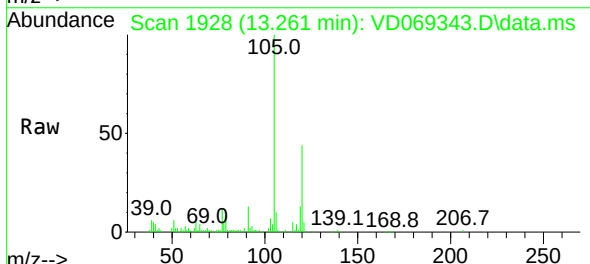
Instrument :
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ClientSampled :
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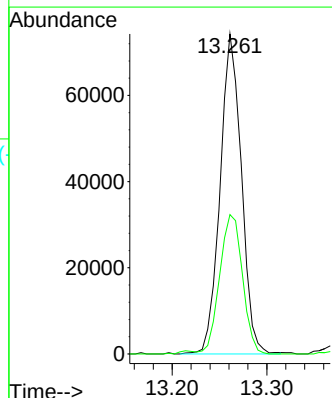
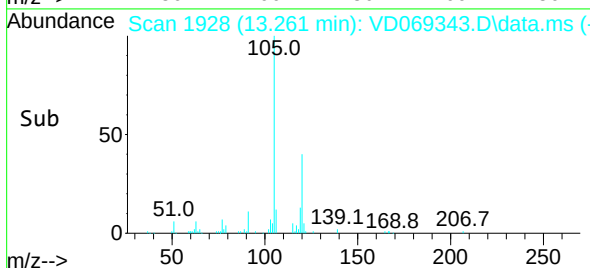
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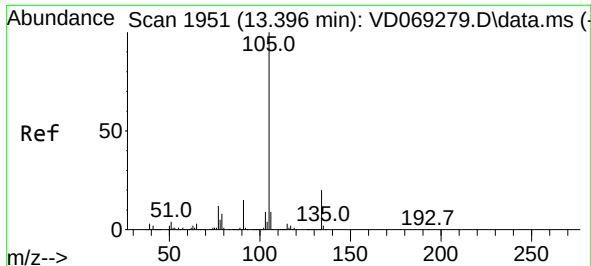


#84
1,2,4-Trimethylbenzene
Concen: 28.029 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069343.D
Acq: 04 Jun 2021 13:29



Tgt Ion:105 Resp: 116223
Ion Ratio Lower Upper
105 100
120 46.5 22.6 67.8





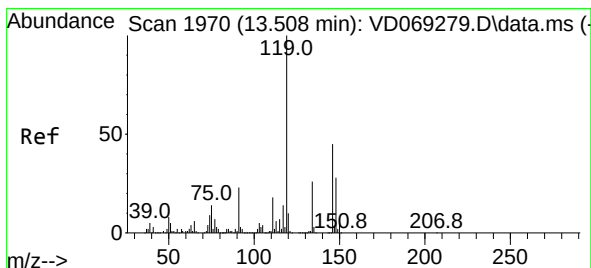
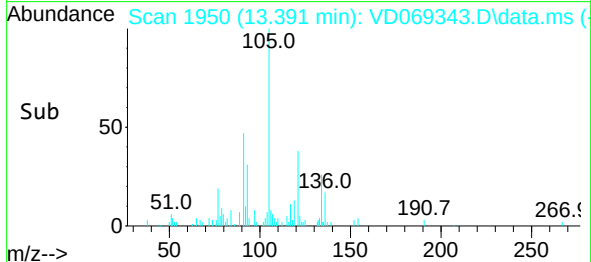
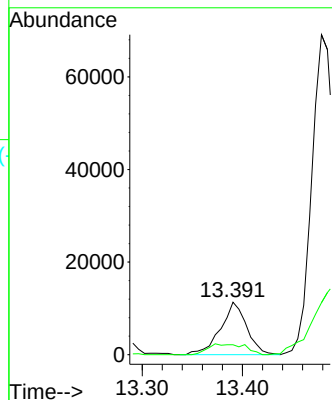
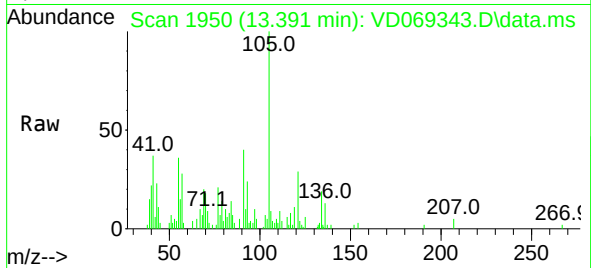
#85
 sec-Butylbenzene
 Concen: 3.989 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. -0.006 min
 Lab File: VD069343.D
 Acq: 04 Jun 2021 13:29

Tgt Ion:105 Resp: 20557
 Ion Ratio Lower Upper
 105 100
 134 28.9 10.1 30.3

Instrument :
 MSVOA_D
 ClientSampled :
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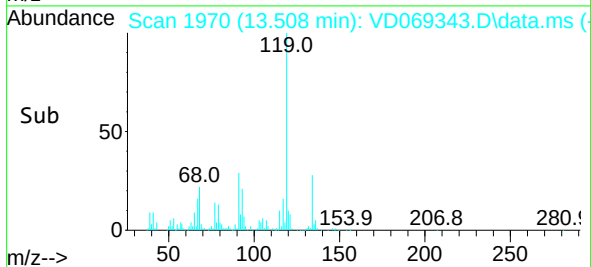
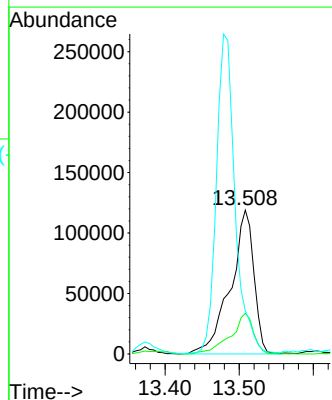
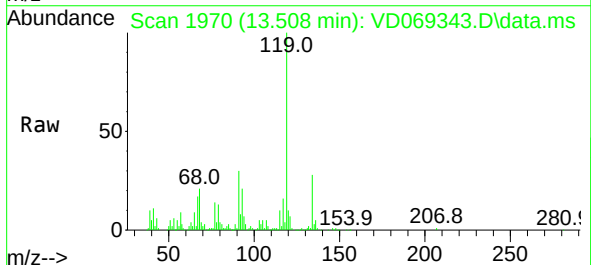
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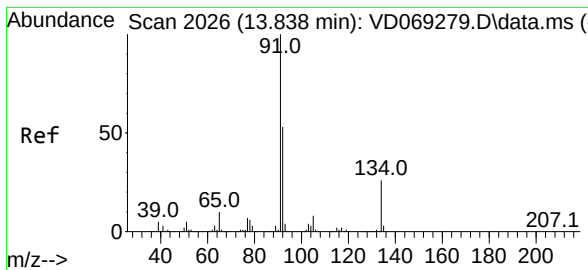
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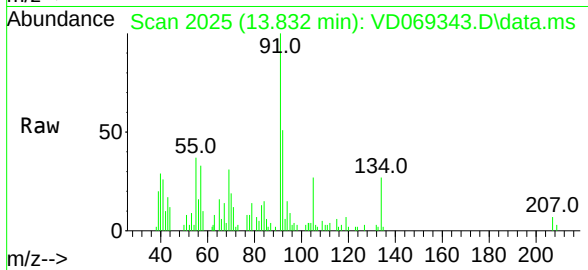
#86
 p-Isopropyltoluene
 Concen: 58.244 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. 0.000 min
 Lab File: VD069343.D
 Acq: 04 Jun 2021 13:29

Tgt Ion:119 Resp: 262458
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.0 39.0
 91 0.0 11.3 33.8#

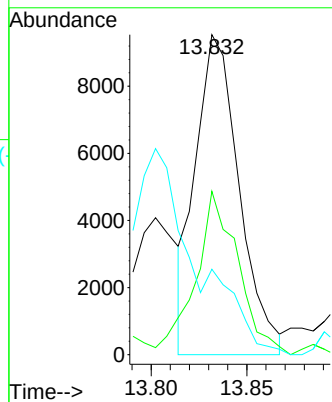
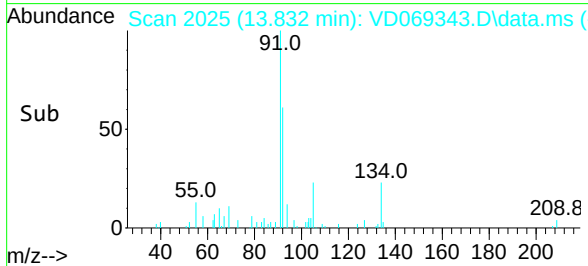




#89
 n-Butylbenzene
 Concen: 3.579 ug/l m
 RT: 13.832 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: VD069343.D
 Acq: 04 Jun 2021 13:29



Tgt Ion:	91	Resp:	15091
Ion	Ratio	Lower	Upper
91	100		
92	63.3	26.4	79.2
134	25.8	13.0	38.9



Instrument :
 MSVOA_D
 ClientSampleId :
 54-57S

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