

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070381.D
 Acq On : 20 Sep 2021 13:51
 Operator : VA/SY
 Sample : M3792-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20416

Manual Integrations
 APPROVED

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 9/21/2021 6:59:31 PM

Quant Time: Sep 21 03:33:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	120243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	268300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	254639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	32801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	118158	76.530	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 153.060%			
35) Dibromofluoromethane	7.909	113	112764	59.045	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.100%			
50) Toluene-d8	10.338	98	320897	46.279	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.560%			
62) 4-Bromofluorobenzene	12.620	95	86416	35.660	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 71.320%			
Target Compounds					Qvalue	
16) Acetone	4.162	43	60377	219.036	ug/l	96
17) Carbon Disulfide	4.415	76	13258	2.567	ug/l	97
25) 2-Butanone	7.220	43	19864	54.135	ug/l	92
39) Methylcyclohexane	9.356	83	91820	28.660	ug/l	91
40) Benzene	8.344	78	24003	2.856	ug/l	96
52) Toluene	10.397	92	1745683	343.777	ug/l	98
65) Chlorobenzene	11.667	112	6543	1.240	ug/l	90
67) Ethyl Benzene	11.738	91	116757	12.834	ug/l	96
68) m/p-Xylenes	11.844	106	91615	26.074	ug/l	93
69) o-Xylene	12.173	106	37122	11.793	ug/l	82
73) Isopropylbenzene	12.473	105	59905	26.042	ug/l	96
78) n-propylbenzene	12.814	91	92061	30.835	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	117703	59.288	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	326159	166.835	ug/l	100
85) sec-Butylbenzene	13.391	105	358141	141.507	ug/l	99
86) p-Isopropyltoluene	13.508	119	86198	42.389	ug/l	97
89) n-Butylbenzene	13.832	91	49384m	24.358	ug/l	

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

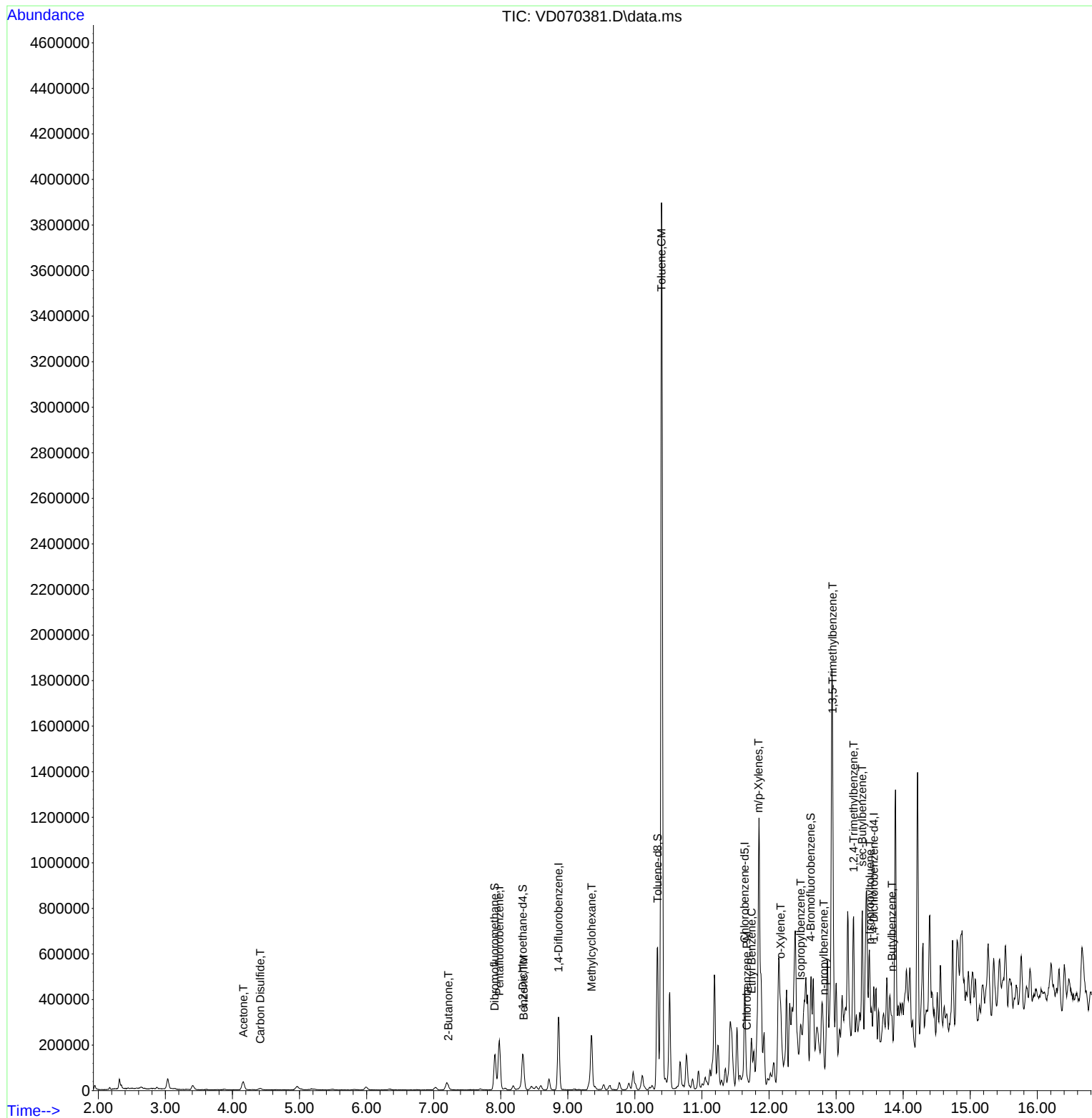
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
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Operator : VA/SY
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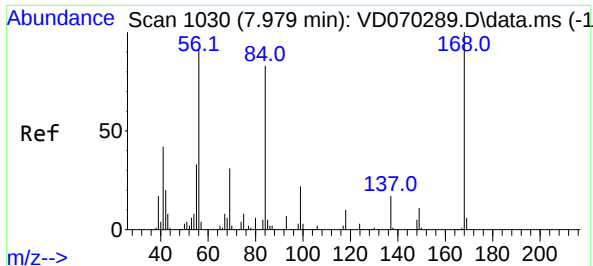
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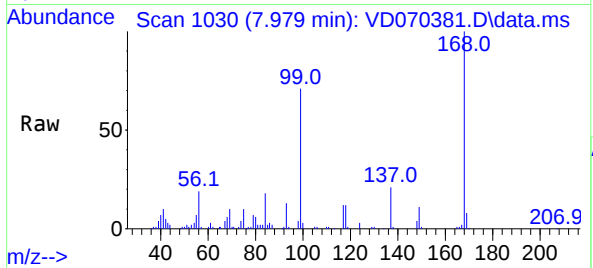
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

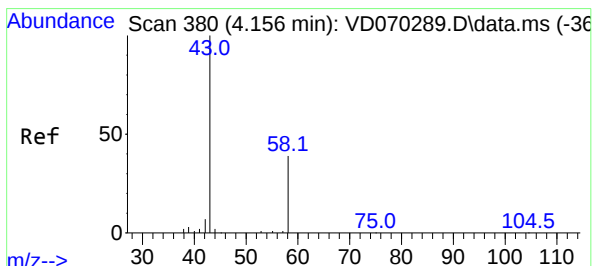
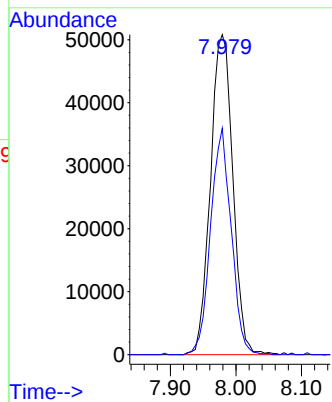
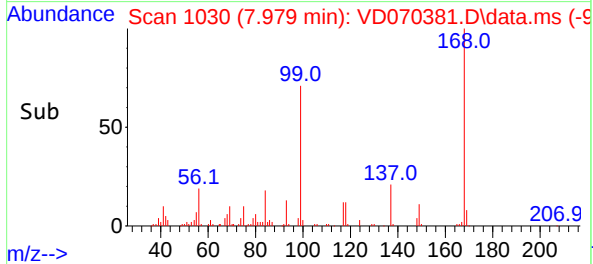




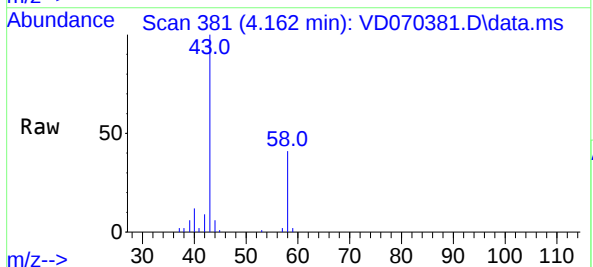
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51



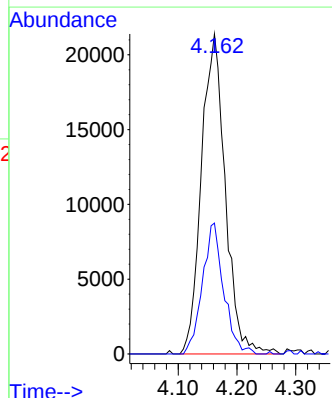
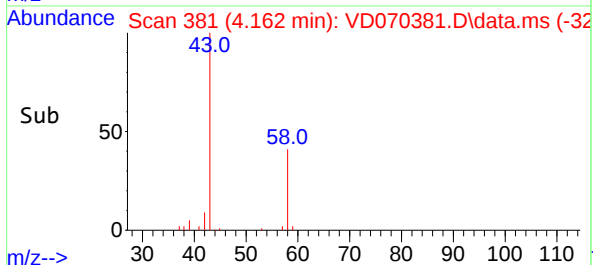
Tgt Ion:168 Resp: 120243
Ion Ratio Lower Upper
168 100
99 70.7 50.8 76.2



#16
Acetone
Concen: 219.036 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51



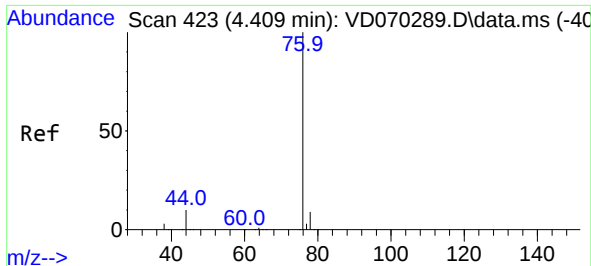
Tgt Ion: 43 Resp: 60377
Ion Ratio Lower Upper
43 100
58 40.9 30.9 46.3



Instrument :
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20416

Manual Integrations
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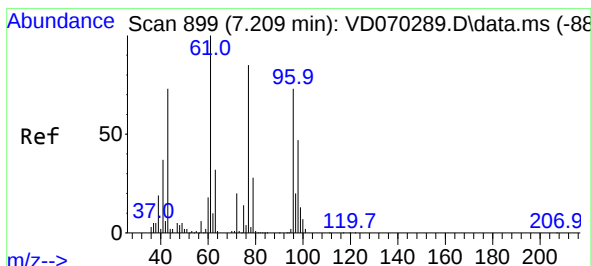
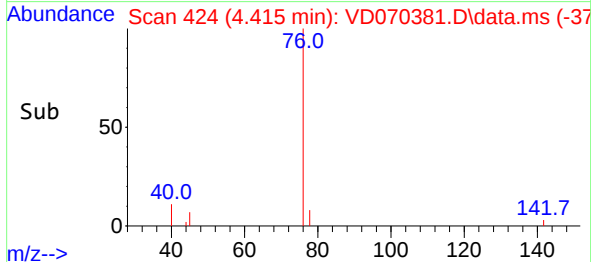
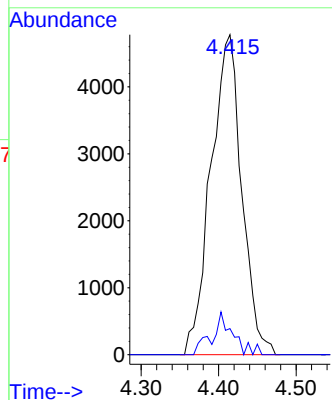
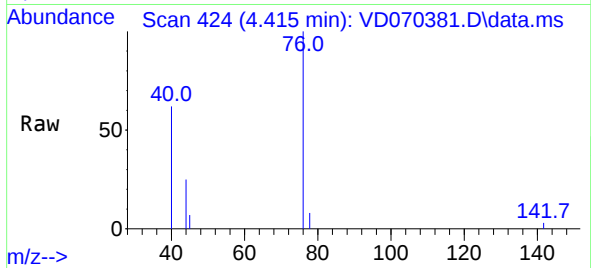
#17
Carbon Disulfide
Concen: 2.567 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

Tgt Ion: 76 Resp: 13258
Ion Ratio Lower Upper
76 100
78 8.2 7.5 11.3

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20416

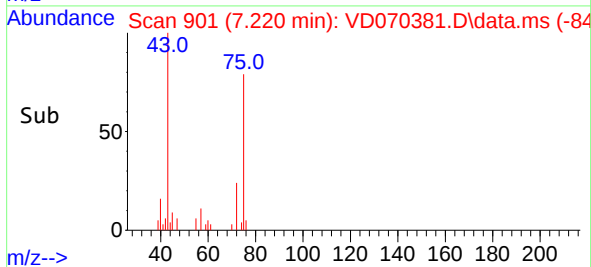
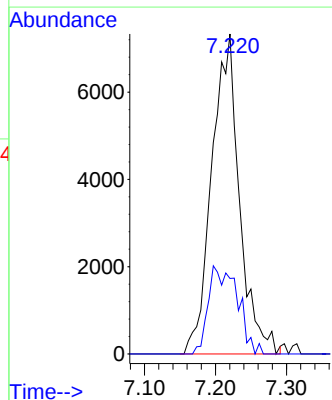
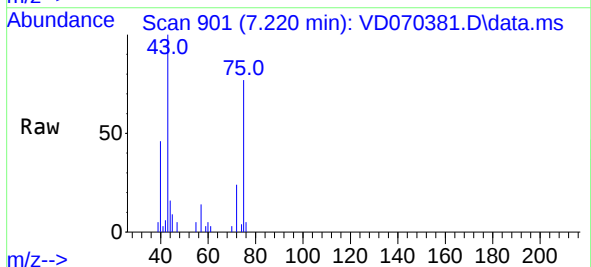
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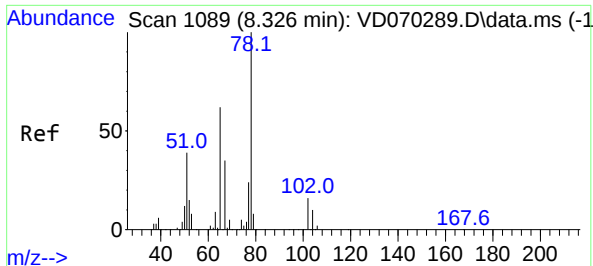
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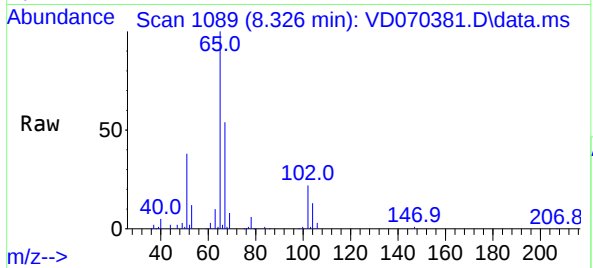
#25
2-Butanone
Concen: 54.135 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

Tgt Ion: 43 Resp: 19864
Ion Ratio Lower Upper
43 100
72 23.6 22.2 33.4

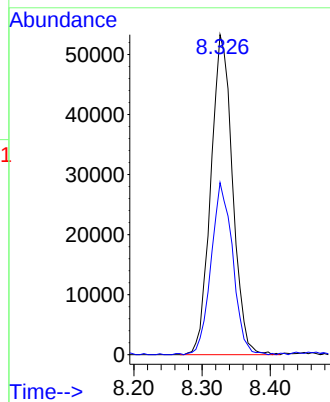
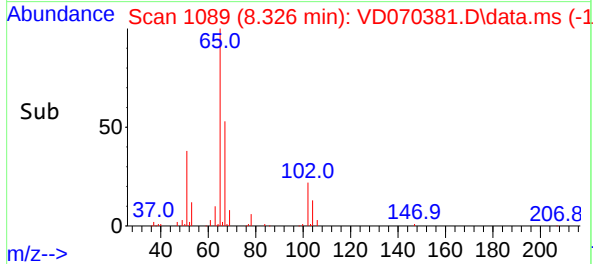




#33
1,2-Dichloroethane-d4
Concen: 76.530 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51



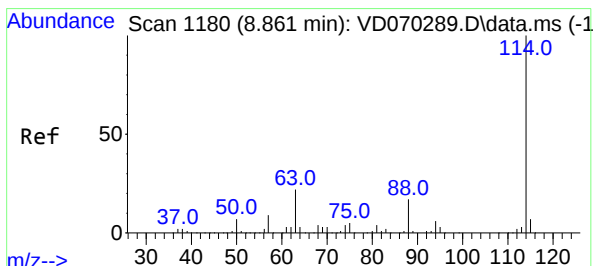
Tgt Ion: 65 Resp: 118158
Ion Ratio Lower Upper
65 100
67 53.4 0.0 111.4



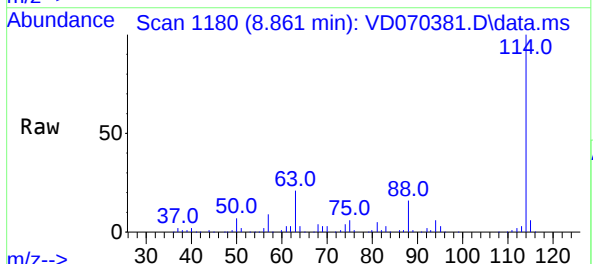
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Manual Integrations
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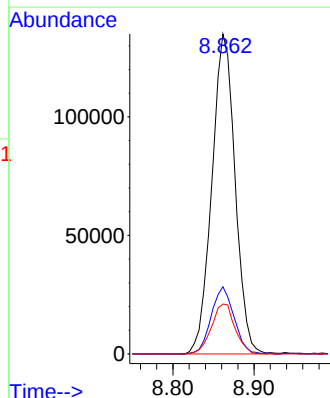
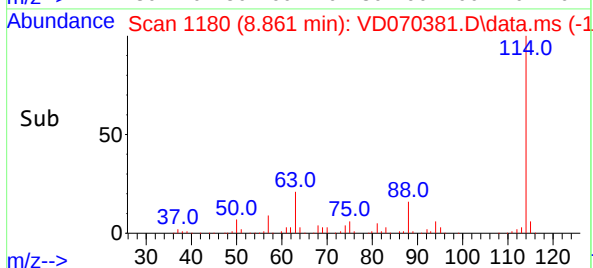
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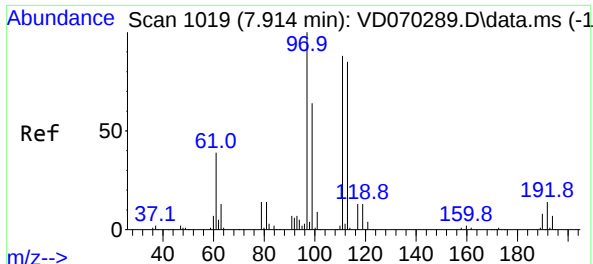


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51



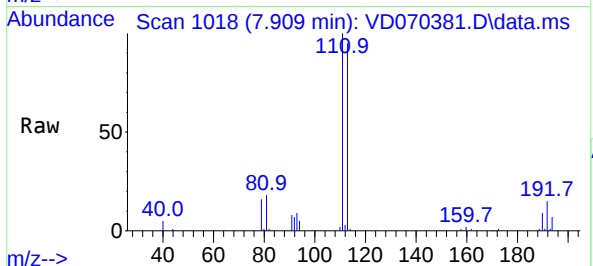
Tgt Ion: 114 Resp: 268300
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.4
88 15.6 0.0 33.4





#35
Dibromofluoromethane
Concen: 59.045 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

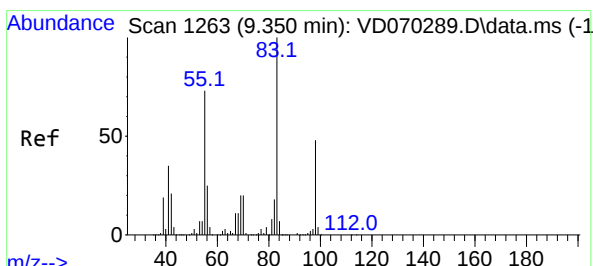
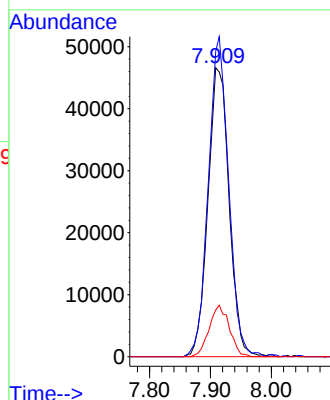
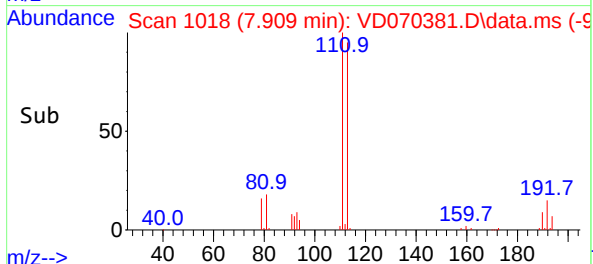
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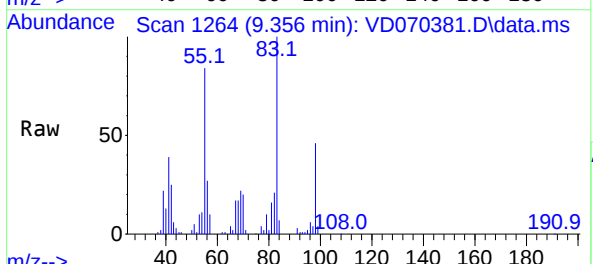
Tgt Ion:113 Resp: 112764
Ion Ratio Lower Upper
113 100
111 106.0 81.4 122.2
192 16.9 13.0 19.6

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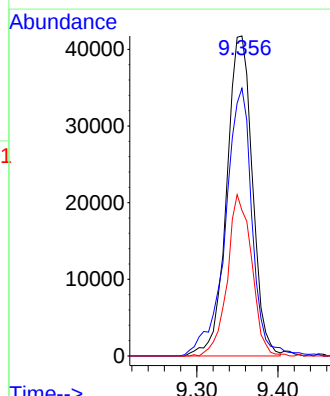
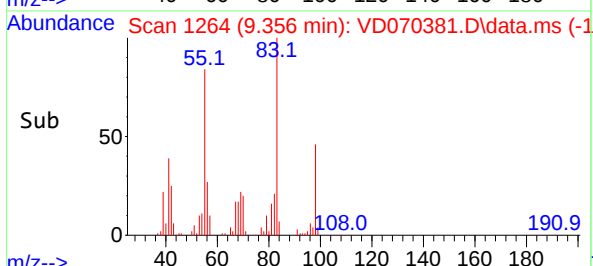
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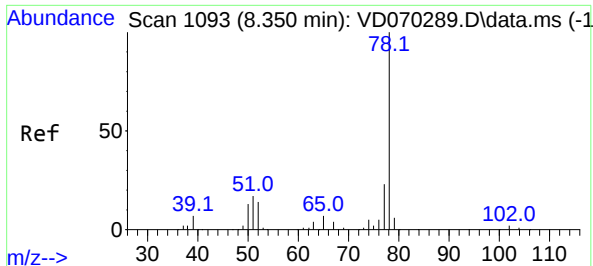


#39
Methylcyclohexane
Concen: 28.660 ug/l
RT: 9.356 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51



Tgt Ion: 83 Resp: 91820
Ion Ratio Lower Upper
83 100
55 83.7 58.5 87.7
98 45.5 38.4 57.6





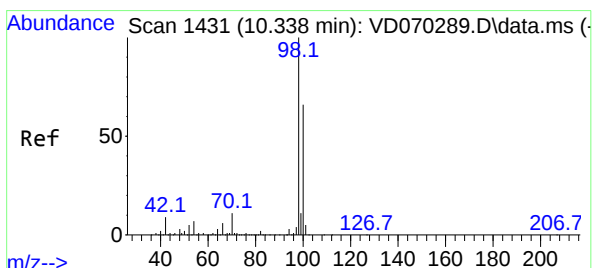
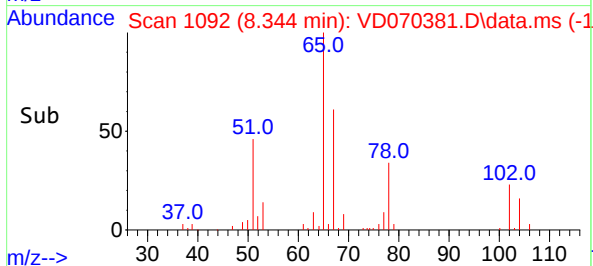
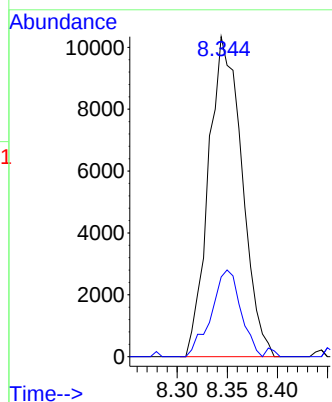
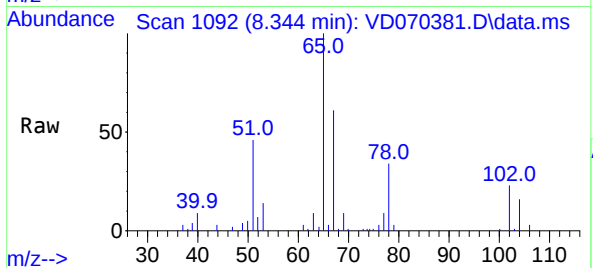
#40
Benzene
Concen: 2.856 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

Tgt Ion: 78 Resp: 24003
Ion Ratio Lower Upper
78 100
77 24.9 18.4 27.6

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MSVOA_D
ClientSampled :
20416

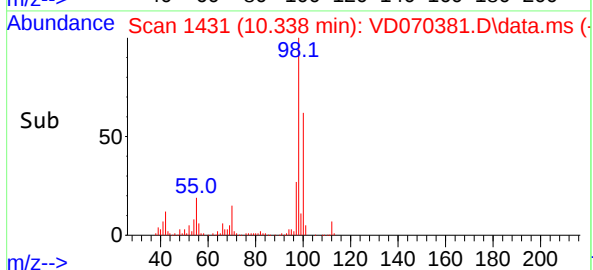
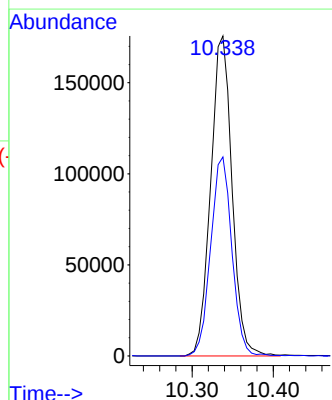
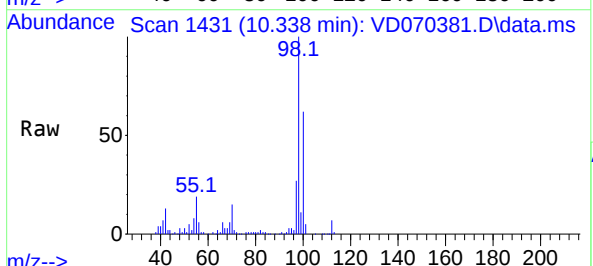
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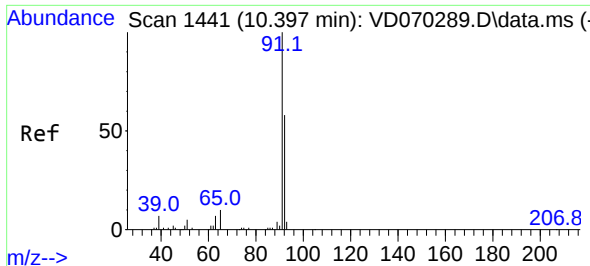
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9/21/2021 6:59:31 PM



#50
Toluene-d8
Concen: 46.279 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

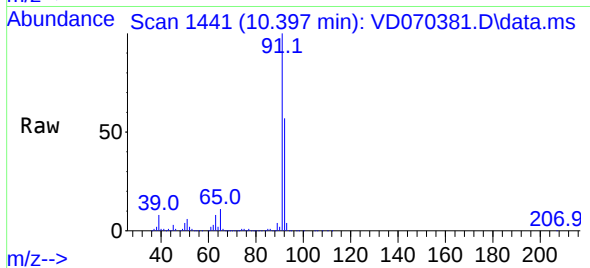
Tgt Ion: 98 Resp: 320897
Ion Ratio Lower Upper
98 100
100 61.9 52.0 78.0





#52
Toluene
Concen: 343.777 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

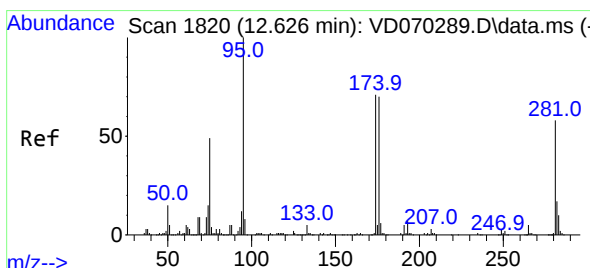
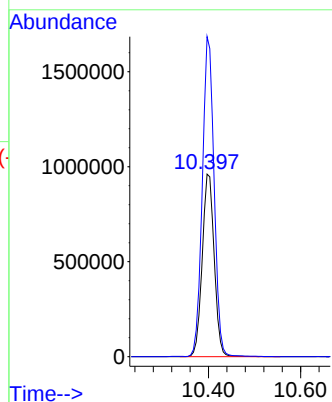
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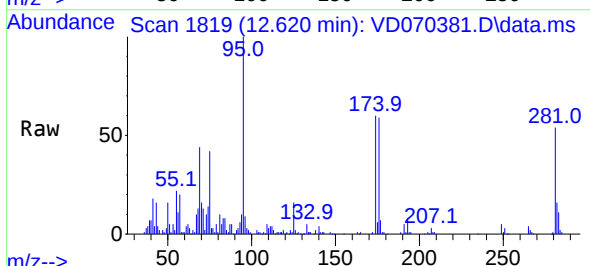
Tgt Ion: 92 Resp: 1745683
Ion Ratio Lower Upper
92 100
91 172.3 136.2 204.2

Manual Integrations
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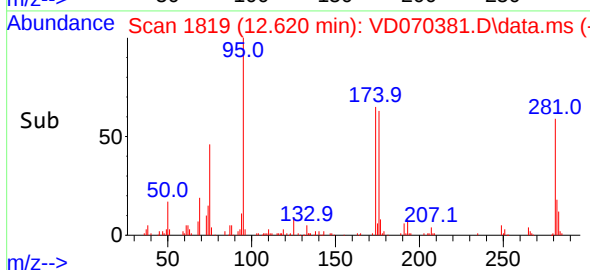
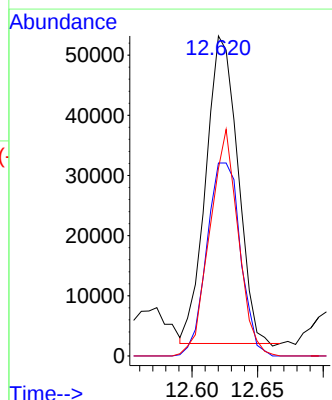
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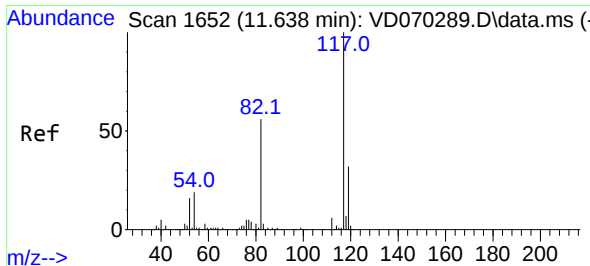


#62
4-Bromofluorobenzene
Concen: 35.660 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

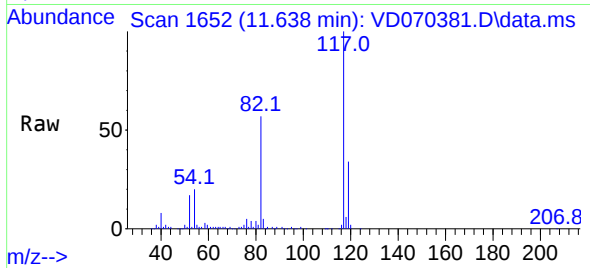


Tgt Ion: 95 Resp: 86416
Ion Ratio Lower Upper
95 100
174 66.2 0.0 140.6
176 65.9 0.0 137.4

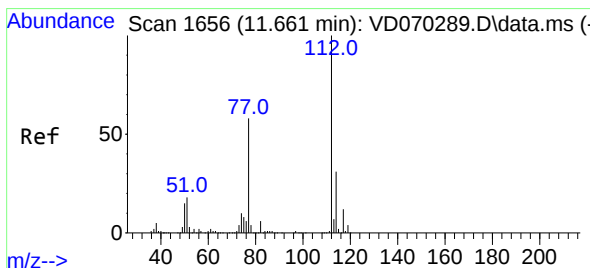
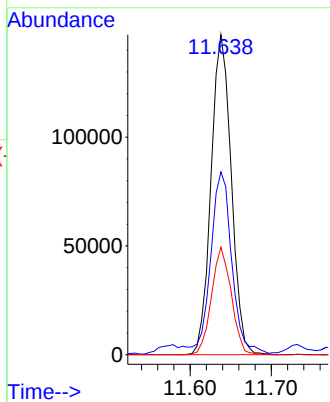
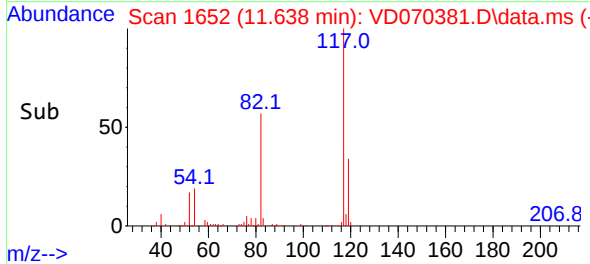




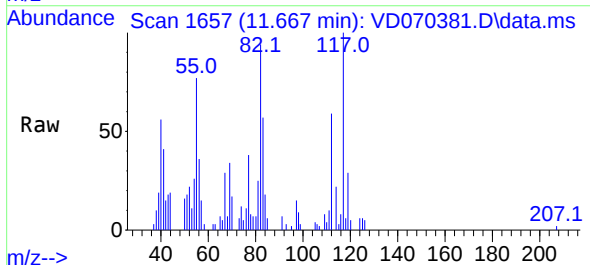
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Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51



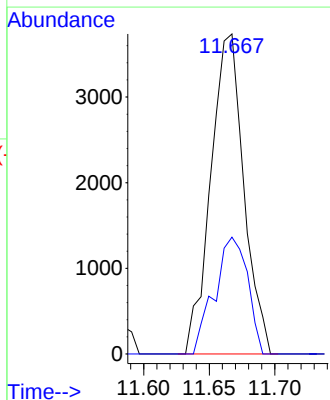
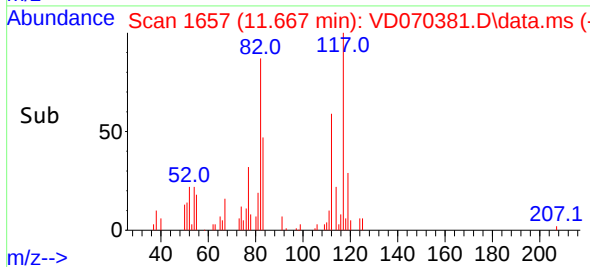
Tgt Ion:117 Resp: 254639
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 33.6 25.2 37.8



#65
Chlorobenzene
Concen: 1.240 ug/l
RT: 11.667 min Scan# 1657
Delta R.T. 0.006 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51



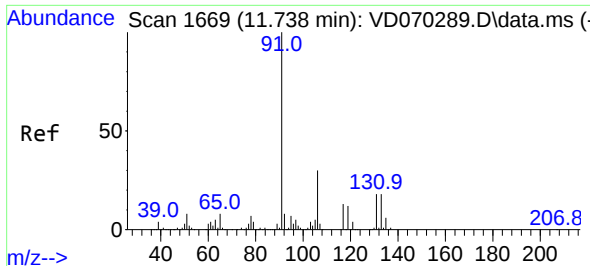
Tgt Ion:112 Resp: 6543
Ion Ratio Lower Upper
112 100
114 36.5 24.7 37.1



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MSVOA_D
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20416

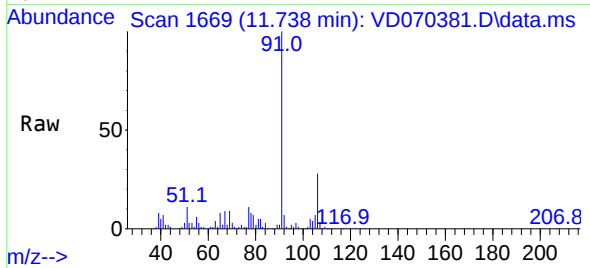
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9/21/2021 6:59:31 PM



#67
Ethyl Benzene
Concen: 12.834 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

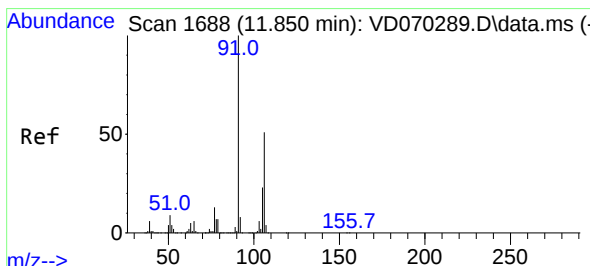
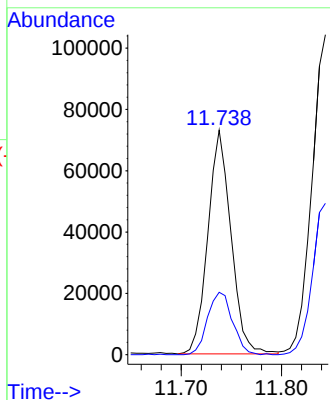
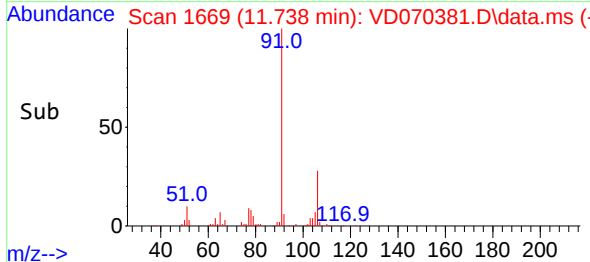
Instrument :
MSVOA_D
ClientSampled :
20416



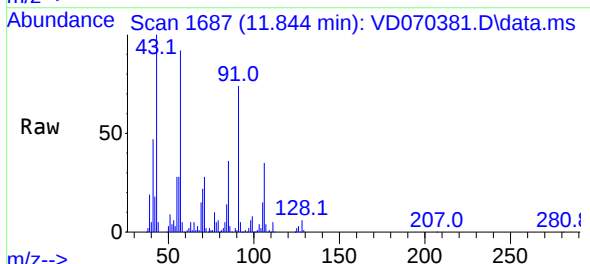
Tgt Ion: 91 Resp: 116757
Ion Ratio Lower Upper
91 100
106 27.9 24.2 36.2

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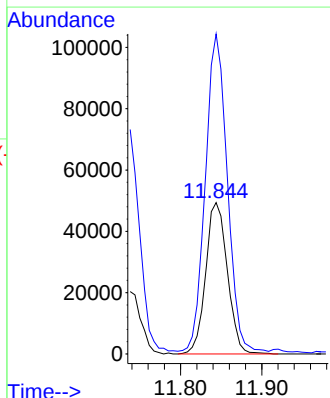
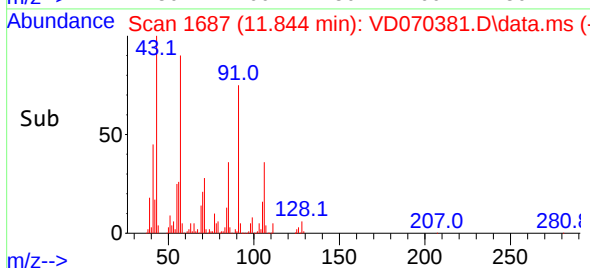
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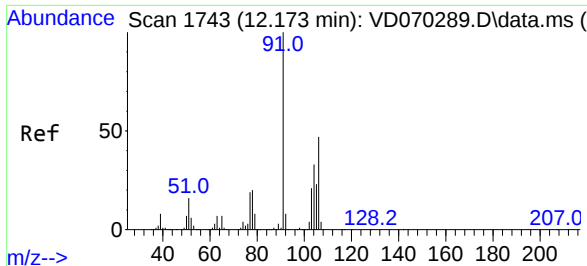


#68
m/p-Xylenes
Concen: 26.074 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51



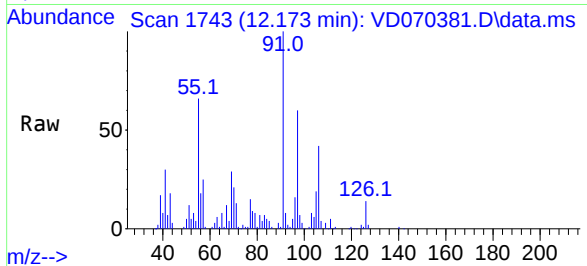
Tgt Ion: 106 Resp: 91615
Ion Ratio Lower Upper
106 100
91 211.9 161.2 241.8





#69
o-Xylene
Concen: 11.793 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

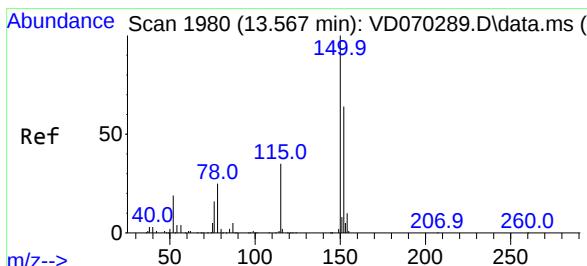
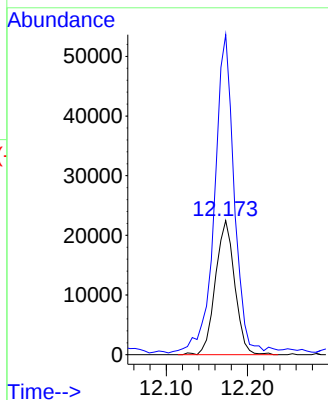
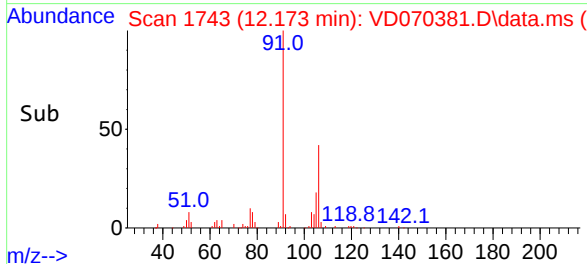
Instrument :
MSVOA_D
ClientSampled :
20416



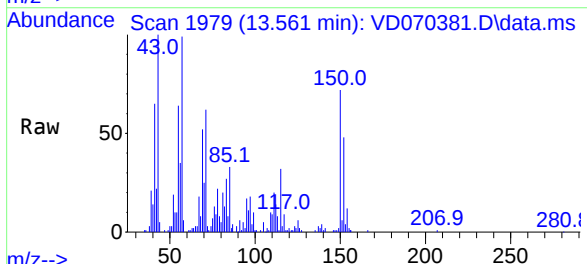
Tgt Ion:106 Resp: 37122
Ion Ratio Lower Upper
106 100
91 241.3 106.3 318.9

Manual Integrations
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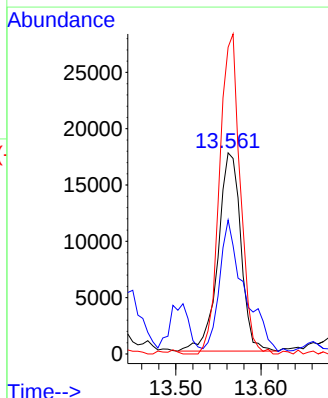
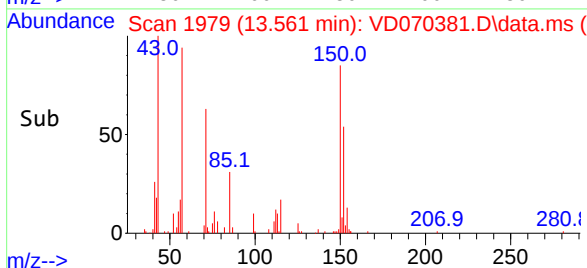
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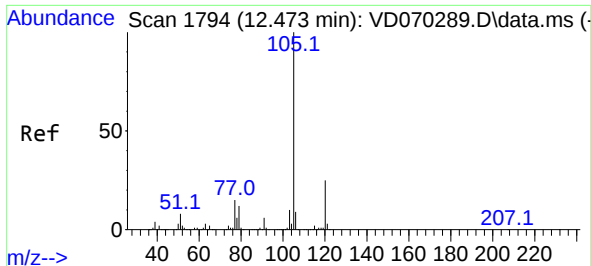


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51



Tgt Ion:152 Resp: 32801
Ion Ratio Lower Upper
152 100
115 71.0 32.1 96.3
150 146.2 0.0 350.6





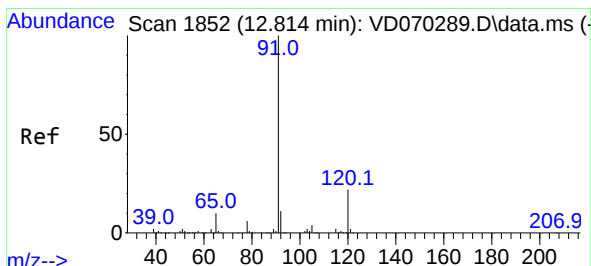
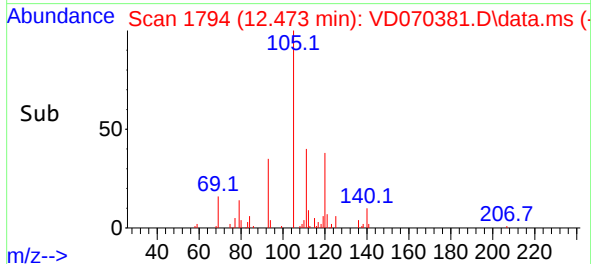
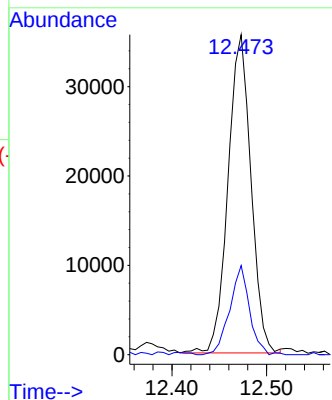
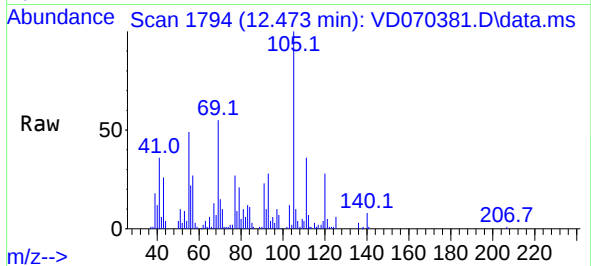
#73
Isopropylbenzene
Concen: 26.042 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

Tgt Ion: 105 Resp: 59905
Ion Ratio Lower Upper
105 100
120 24.1 13.0 38.9

Instrument :
MSVOA_D
ClientSampleId :
20416

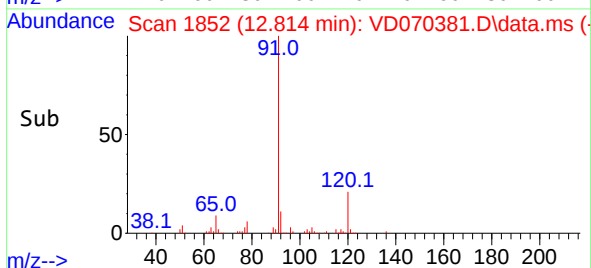
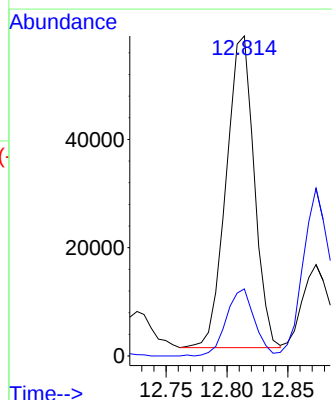
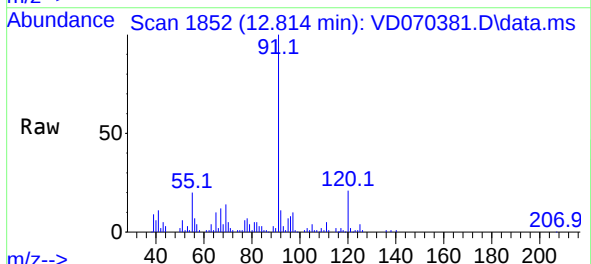
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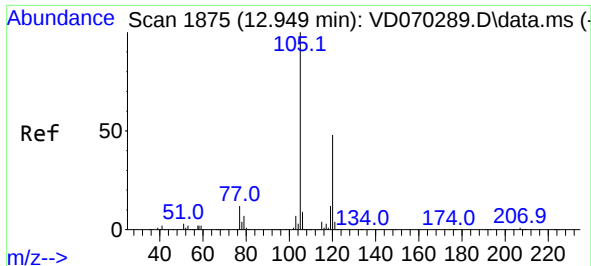
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9/21/2021 6:59:31 PM



#78
n-propylbenzene
Concen: 30.835 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

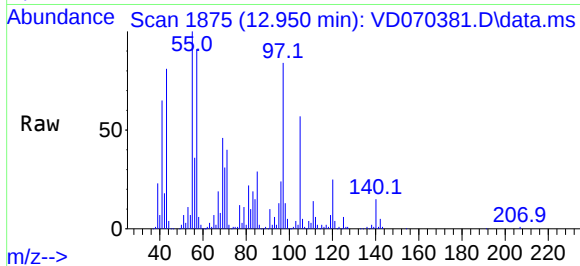
Tgt Ion: 91 Resp: 92061
Ion Ratio Lower Upper
91 100
120 21.5 11.0 33.0





#80
1,3,5-Trimethylbenzene
Concen: 59.288 ug/l
RT: 12.950 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

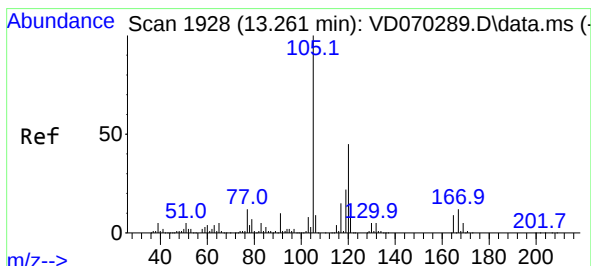
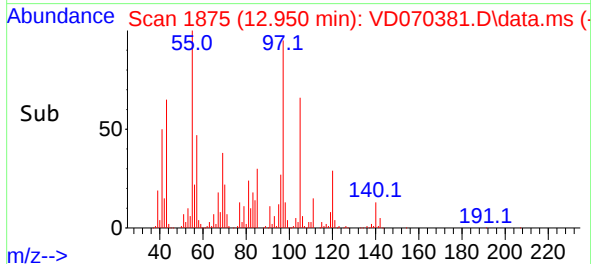
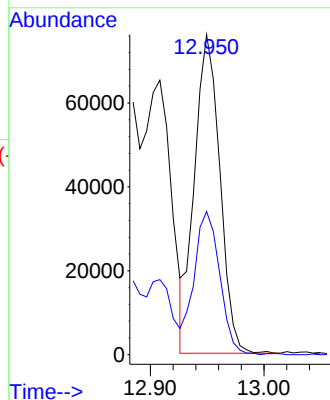
Instrument :
MSVOA_D
ClientSampled :
20416



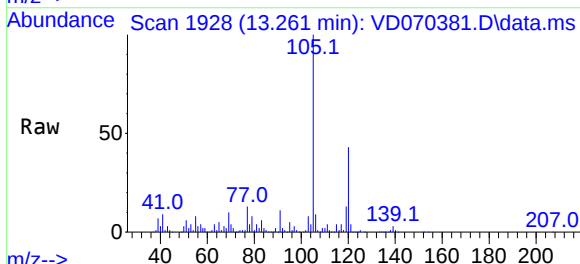
Tgt Ion:105 Resp: 117703
Ion Ratio Lower Upper
105 100
120 45.6 24.1 72.2

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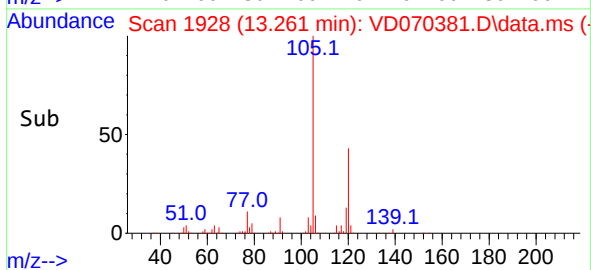
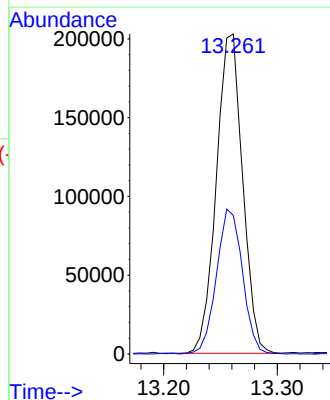
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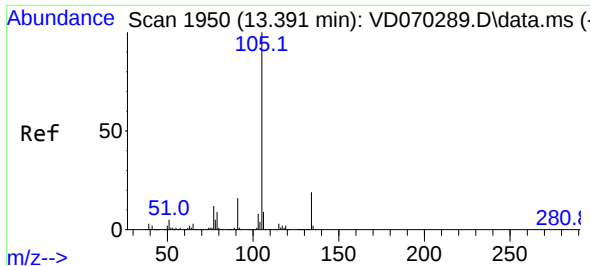


#84
1,2,4-Trimethylbenzene
Concen: 166.835 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51



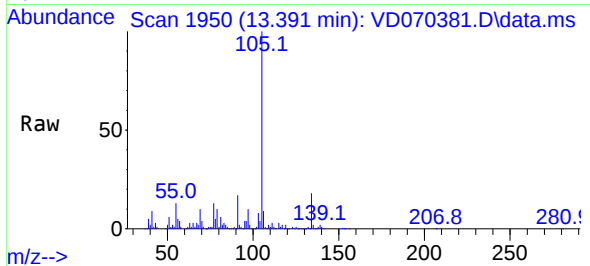
Tgt Ion:105 Resp: 326159
Ion Ratio Lower Upper
105 100
120 44.8 22.3 66.8





#85
 sec-Butylbenzene
 Concen: 141.507 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VD070381.D
 Acq: 20 Sep 2021 13:51

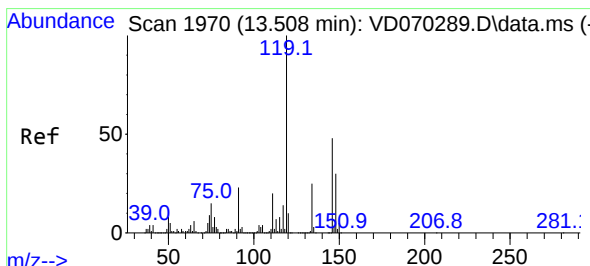
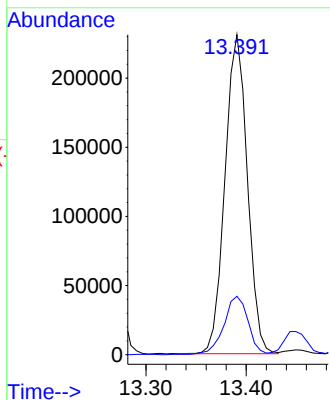
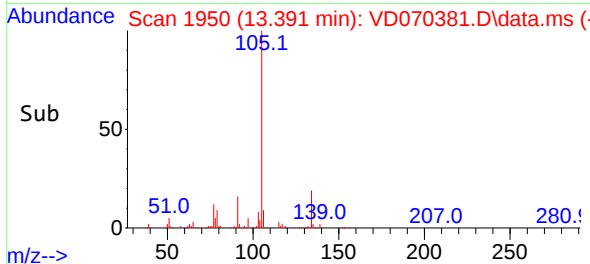
Instrument :
 MSVOA_D
 ClientSampled :
 20416



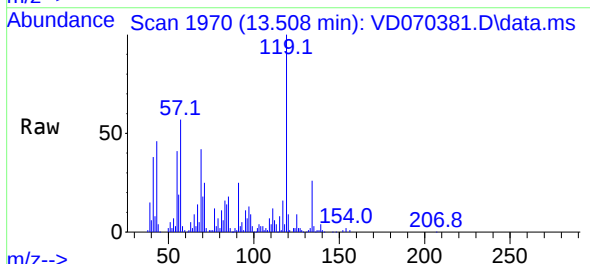
Tgt Ion:105 Resp: 358141
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.3

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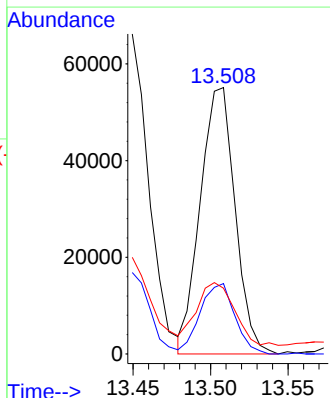
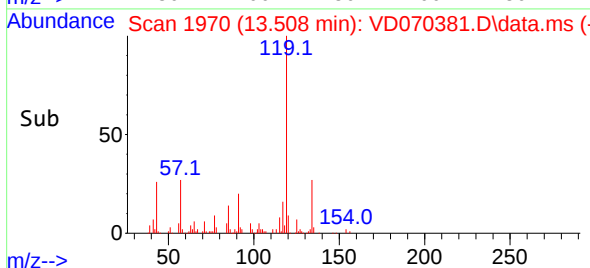
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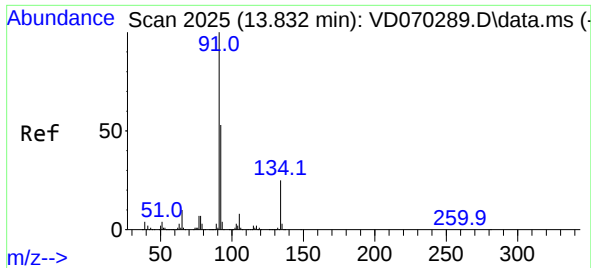


#86
 p-Isopropyltoluene
 Concen: 42.389 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. 0.000 min
 Lab File: VD070381.D
 Acq: 20 Sep 2021 13:51



Tgt Ion:119 Resp: 86198
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.7 38.0
 91 25.5 11.8 35.3





#89
n-Butylbenzene
Concen: 24.358 ug/l m
RT: 13.832 min Scan# 2025
Delta R.T. 0.000 min
Lab File: VD070381.D
Acq: 20 Sep 2021 13:51

Tgt Ion:	91	Resp:	49384
Ion	Ratio	Lower	Upper
91	100		
92	60.1	26.8	80.4
134	0.0	12.1	36.3#

Instrument :
MSVOA_D
ClientSampleId :
20416

Manual Integrations
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