

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070429.D
 Acq On : 22 Sep 2021 16:23
 Operator : VA/SY
 Sample : M3867-05
 Misc : 7.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5-(1.5-2.5)

Manual Integrations
 APPROVED

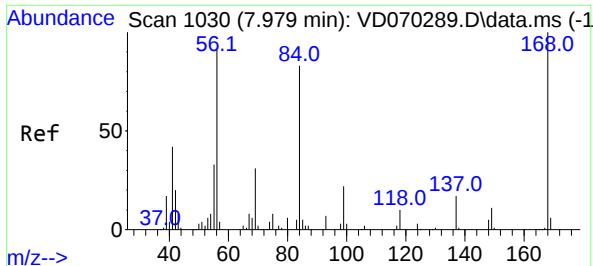
MMDadoda
 9/23/2021 11:35:36 AM

Quant Time: Sep 23 05:33:29 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

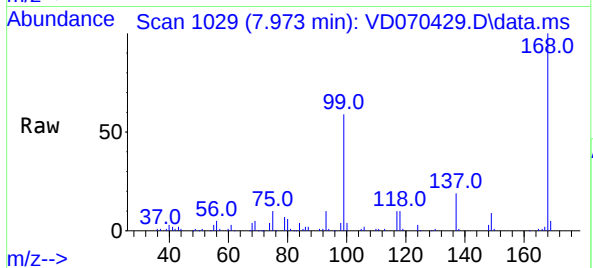
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	170713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	385812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	268688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	63628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174190	79.466	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 158.940%			
35) Dibromofluoromethane	7.914	113	159175	57.961	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.920%			
50) Toluene-d8	10.332	98	332956	33.392	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 66.780%			
62) 4-Bromofluorobenzene	12.626	95	98580	28.289	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 56.580%			
Target Compounds					Qvalue	
16) Acetone	4.150	43	86673	221.473	ug/l	95
20) Methylene Chloride	4.961	84	30707	6.233	ug/l	98
25) 2-Butanone	7.220	43	26436	50.746	ug/l #	89
39) Methylcyclohexane	9.349	83	19937	4.328	ug/l	91
52) Toluene	10.402	92	39404	5.396	ug/l	97
67) Ethyl Benzene	11.738	91	97115	10.117	ug/l	94
68) m/p-Xylenes	11.843	106	193942	52.310	ug/l	97
69) o-Xylene	12.173	106	215288	64.817	ug/l	95
73) Isopropylbenzene	12.473	105	44296	9.927	ug/l	99
78) n-propylbenzene	12.808	91	158957	27.447	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	694466	180.331	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	1771616	467.160	ug/l	100
85) sec-Butylbenzene	13.390	105	52813m	10.757	ug/l	
86) p-Isopropyltoluene	13.502	119	41267	10.462	ug/l	93
89) n-Butylbenzene	13.826	91	111655m	28.390	ug/l	
95) Naphthalene	15.384	128	175265	94.435	ug/l #	94

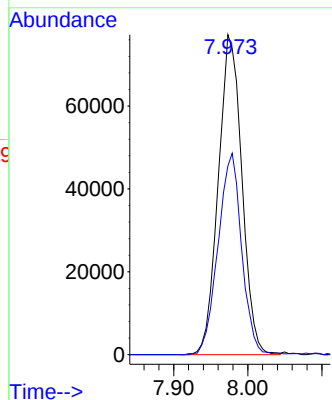
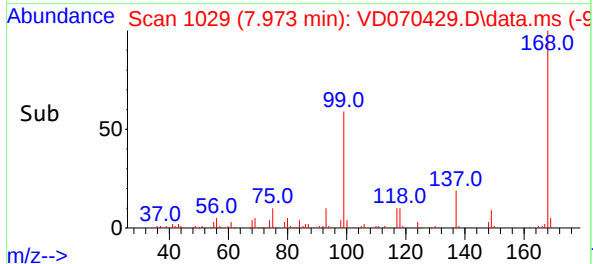
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23



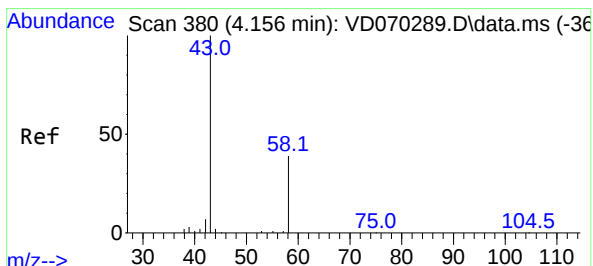
Tgt Ion:168 Resp: 170713
Ion Ratio Lower Upper
168 100
99 59.0 50.8 76.2



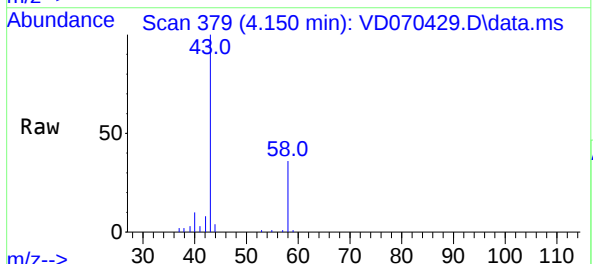
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)

Manual Integrations
APPROVED

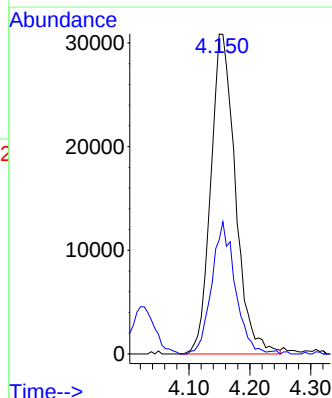
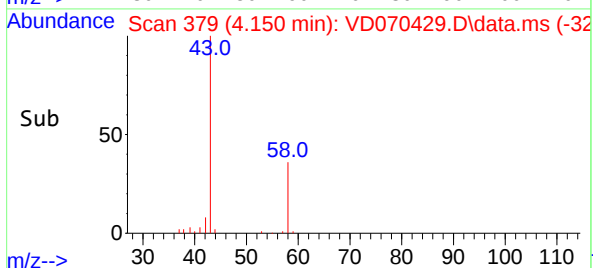
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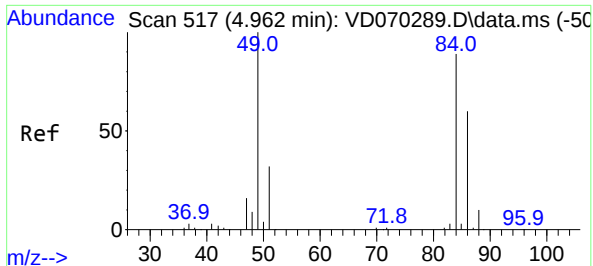


#16
Acetone
Concen: 221.473 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23



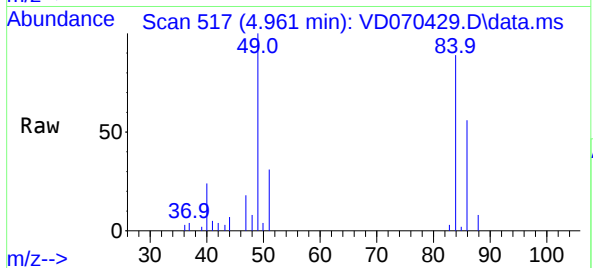
Tgt Ion: 43 Resp: 86673
Ion Ratio Lower Upper
43 100
58 35.7 30.9 46.3





#20
Methylene Chloride
Concen: 6.233 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

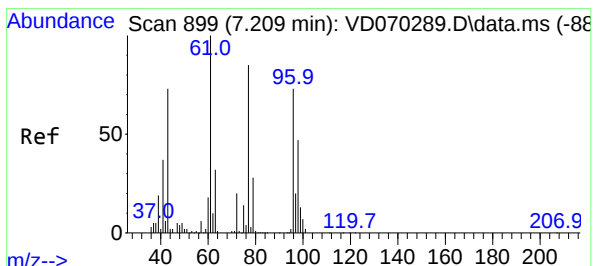
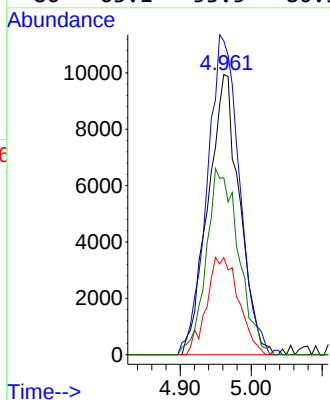
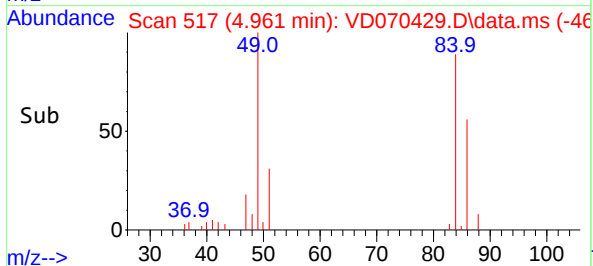
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)



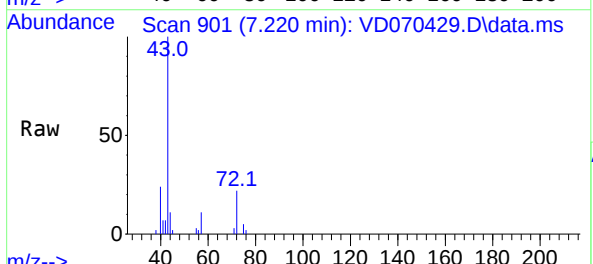
Tgt Ion:	84	Resp:	30707
Ion	Ratio	Lower	Upper
84	100		
49	112.0	89.6	134.4
51	34.7	28.6	43.0
86	63.1	53.5	80.3

Manual Integrations
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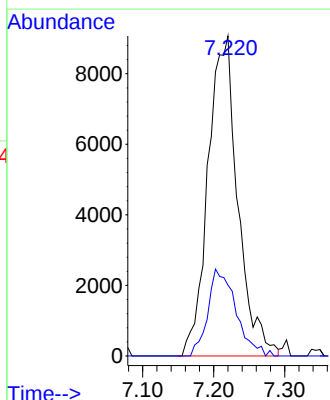
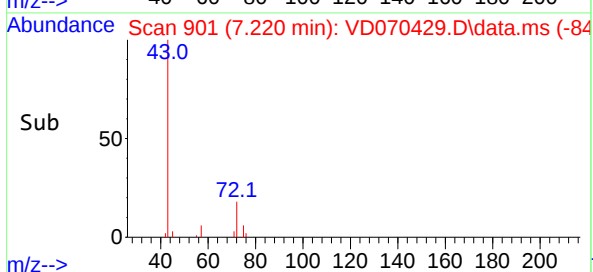
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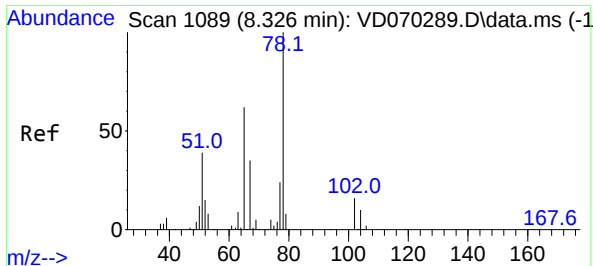


#25
2-Butanone
Concen: 50.746 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23



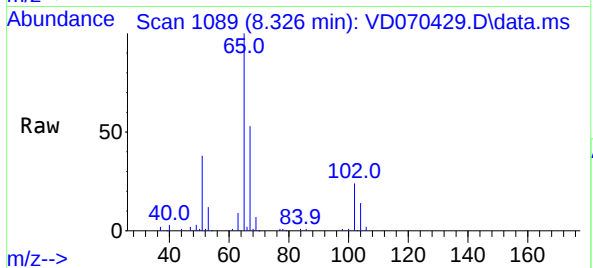
Tgt Ion:	43	Resp:	26436
Ion	Ratio	Lower	Upper
43	100		
72	22.1	22.2	33.4#





#33
1,2-Dichloroethane-d4
Concen: 79.466 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

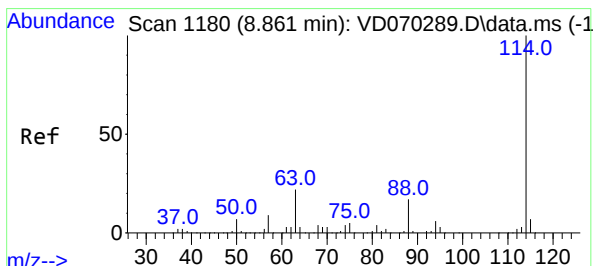
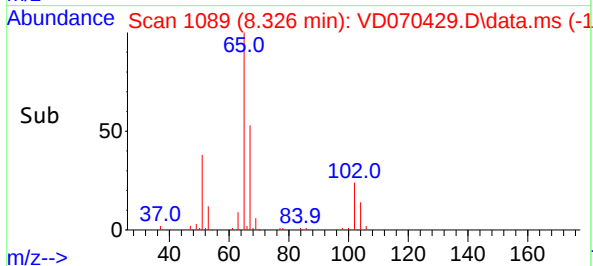
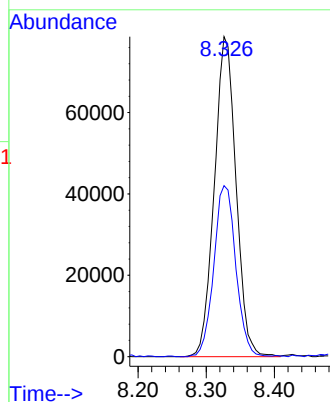
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)



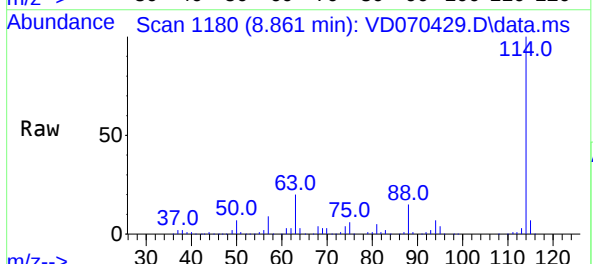
Tgt Ion: 65 Resp: 174190
Ion Ratio Lower Upper
65 100
67 54.2 0.0 111.4

Manual Integrations
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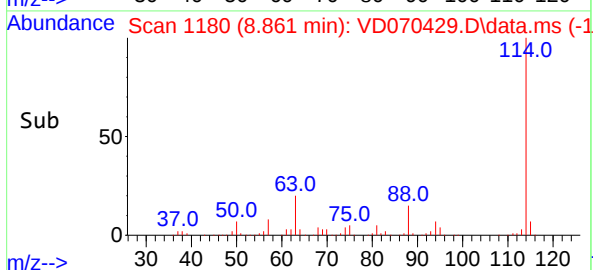
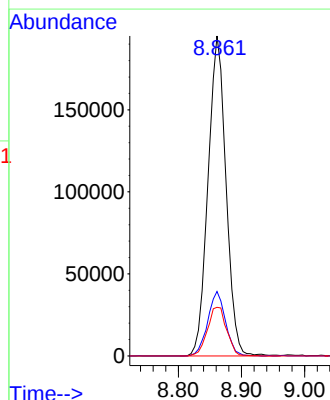
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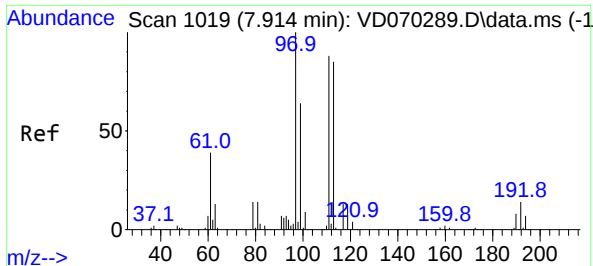


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

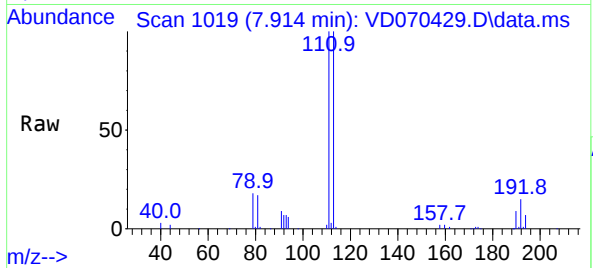


Tgt Ion: 114 Resp: 385812
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.4
88 15.2 0.0 33.4

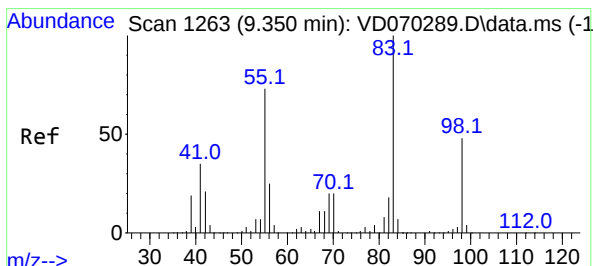
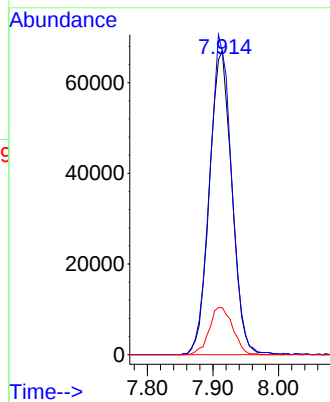
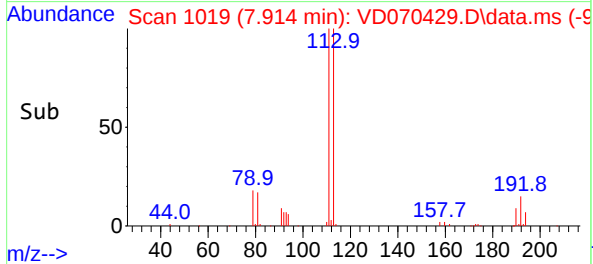




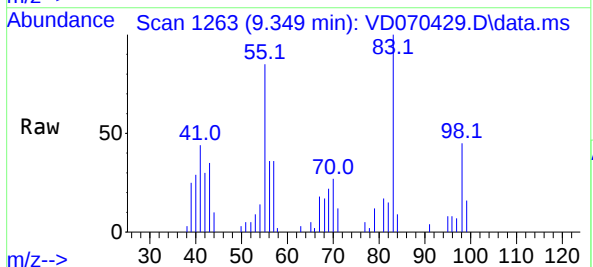
#35
Dibromofluoromethane
Concen: 57.961 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23



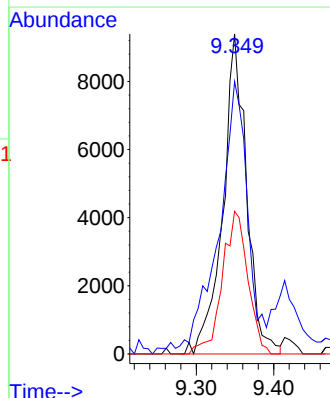
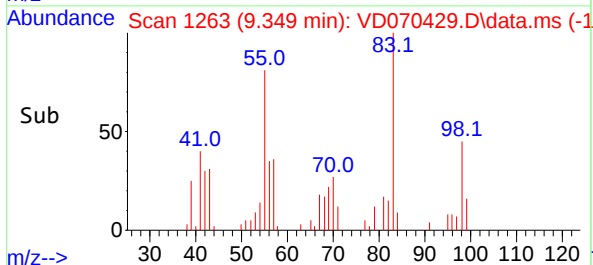
Tgt Ion:113 Resp: 159175
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.2
192 16.3 13.0 19.6



#39
Methylcyclohexane
Concen: 4.328 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23



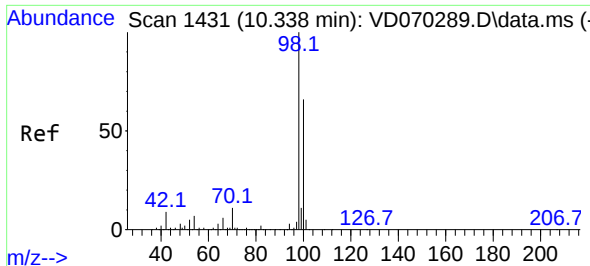
Tgt Ion: 83 Resp: 19937
Ion Ratio Lower Upper
83 100
55 82.6 58.5 87.7
98 44.6 38.4 57.6



Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)

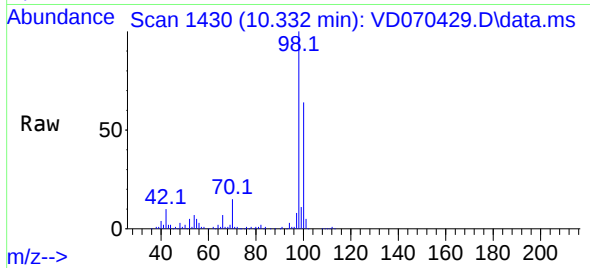
Manual Integrations
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#50
Toluene-d8
Concen: 33.392 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

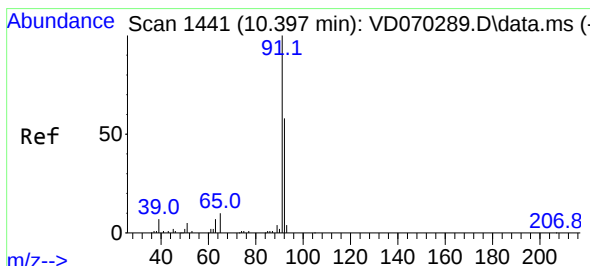
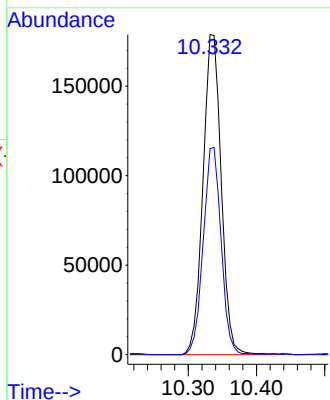
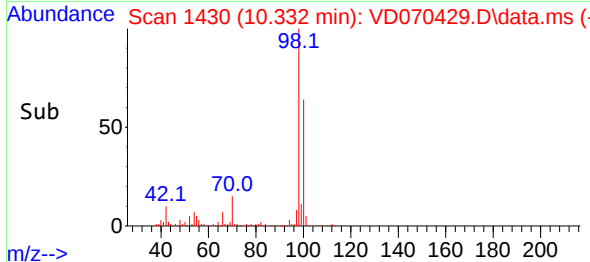
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)



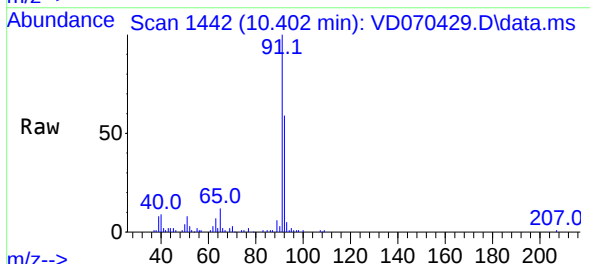
Tgt Ion: 98 Resp: 332956
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

Manual Integrations
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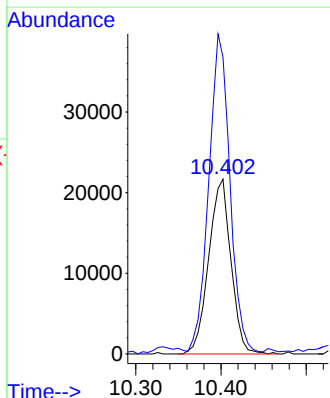
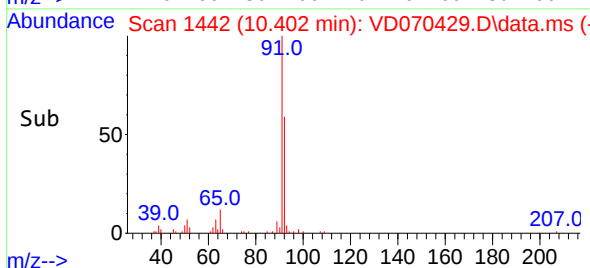
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9/23/2021 11:35:36 AM

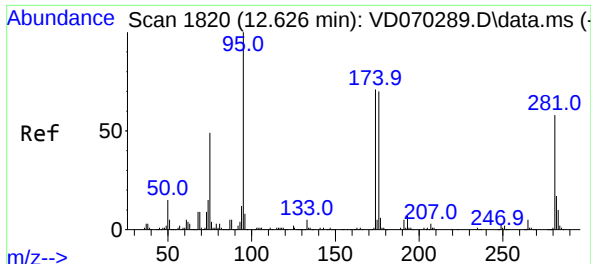


#52
Toluene
Concen: 5.396 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. 0.006 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23



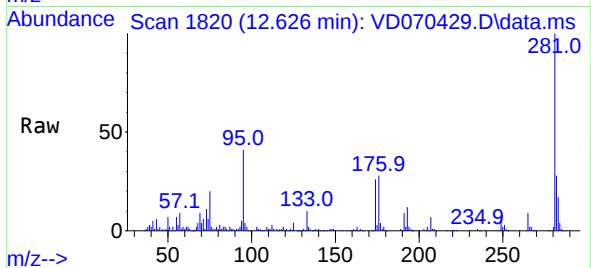
Tgt Ion: 92 Resp: 39404
Ion Ratio Lower Upper
92 100
91 174.3 136.2 204.2





#62
4-Bromofluorobenzene
Concen: 28.289 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

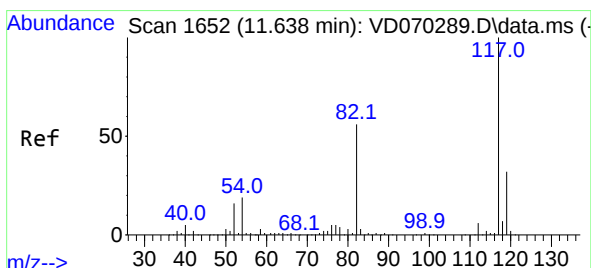
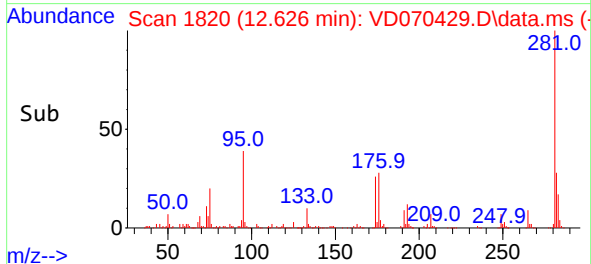
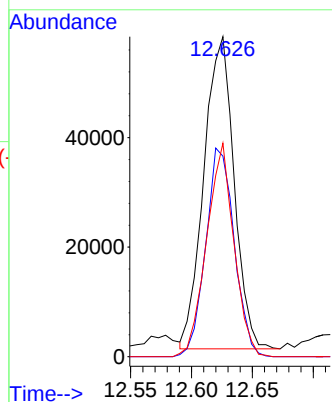
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)



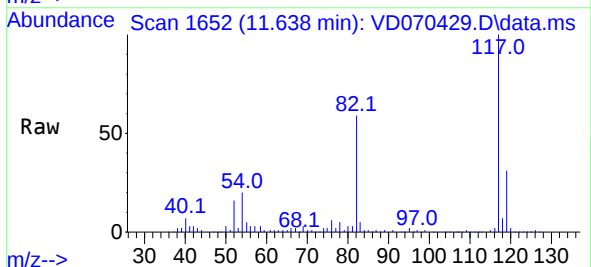
Tgt Ion: 95 Resp: 98580
Ion Ratio Lower Upper
95 100
174 63.0 0.0 140.6
176 61.8 0.0 137.4

Manual Integrations
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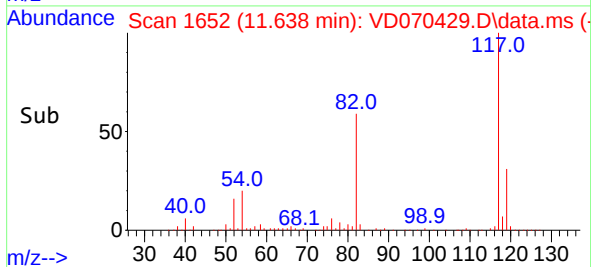
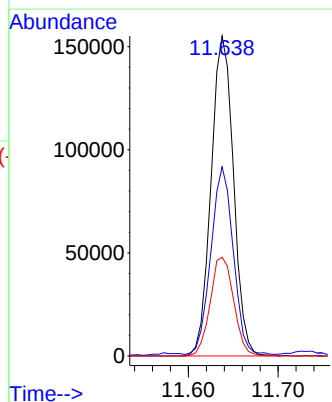
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9/23/2021 11:35:36 AM

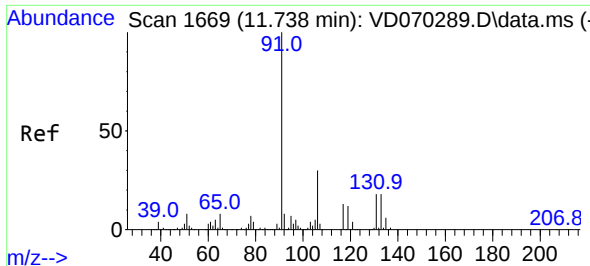


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23



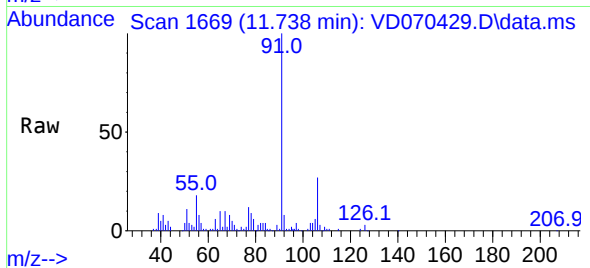
Tgt Ion: 117 Resp: 268688
Ion Ratio Lower Upper
117 100
82 58.5 45.0 67.4
119 30.9 25.2 37.8



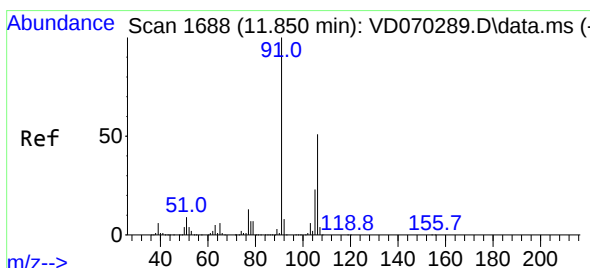
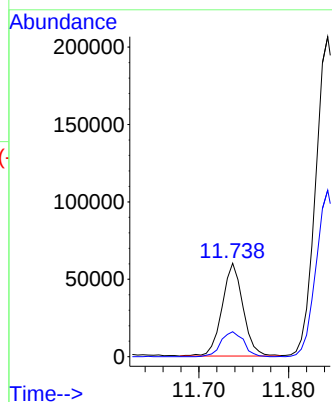
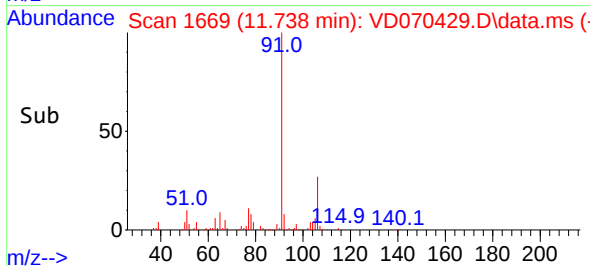


#67
Ethyl Benzene
Concen: 10.117 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

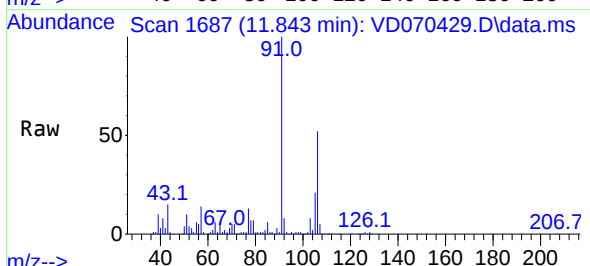
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)



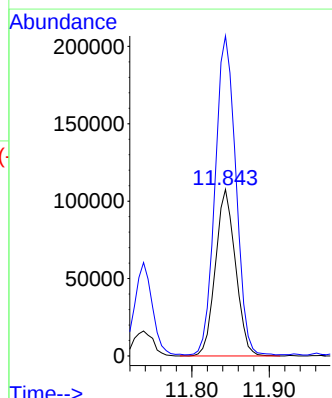
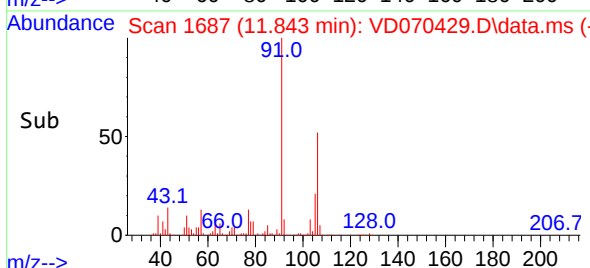
Tgt Ion: 91 Resp: 97115
Ion Ratio Lower Upper
91 100
106 26.9 24.2 36.2

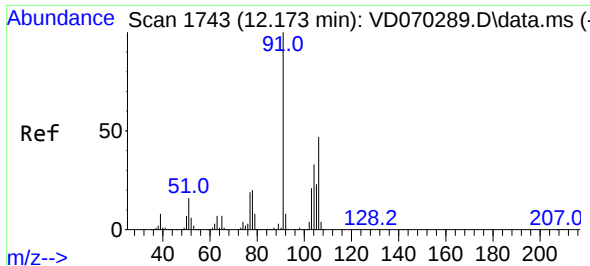


#68
m/p-Xylenes
Concen: 52.310 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23



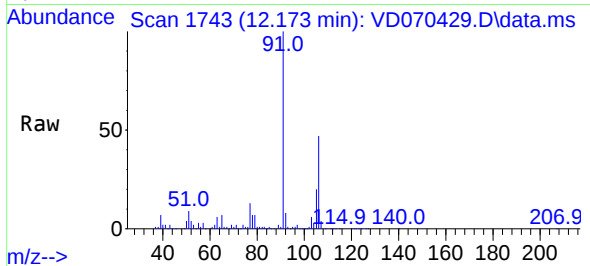
Tgt Ion: 106 Resp: 193942
Ion Ratio Lower Upper
106 100
91 197.4 161.2 241.8





#69
o-Xylene
Concen: 64.817 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

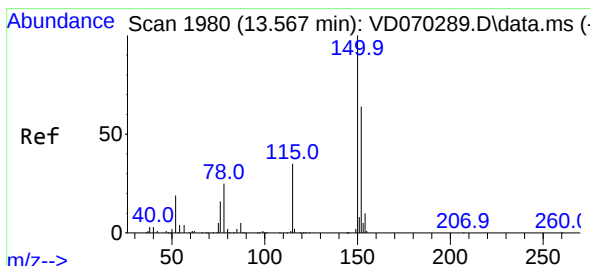
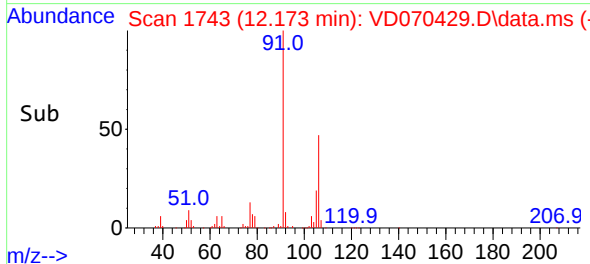
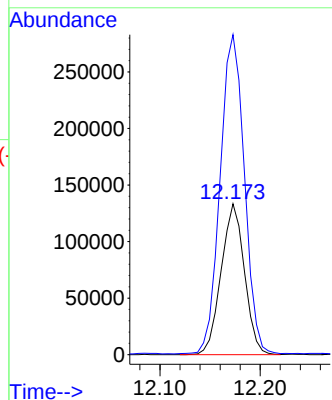
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)



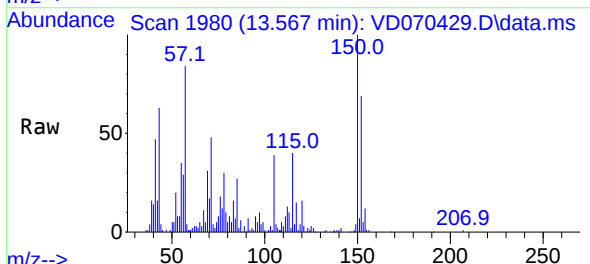
Tgt Ion:106 Resp: 215288
Ion Ratio Lower Upper
106 100
91 220.0 106.3 318.9

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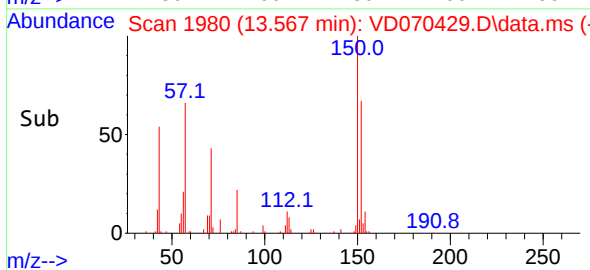
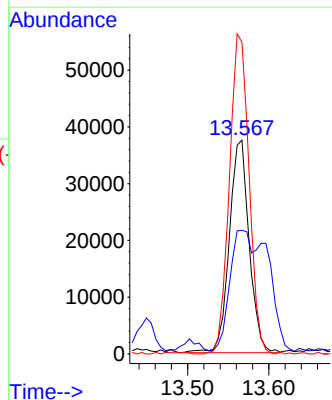
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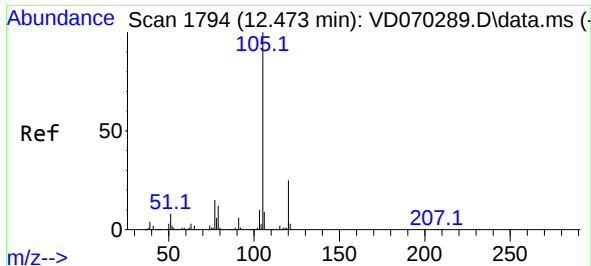


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23



Tgt Ion:152 Resp: 63628
Ion Ratio Lower Upper
152 100
115 70.8 32.1 96.3
150 148.9 0.0 350.6





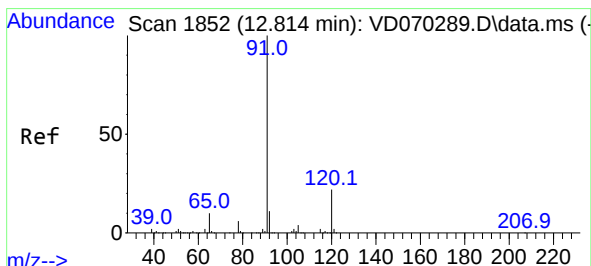
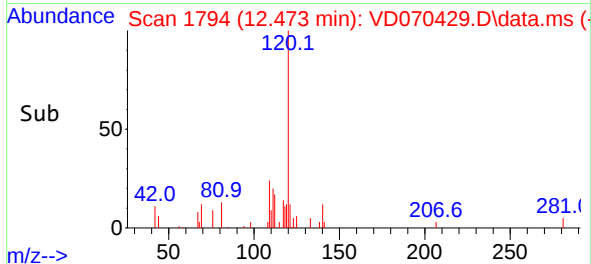
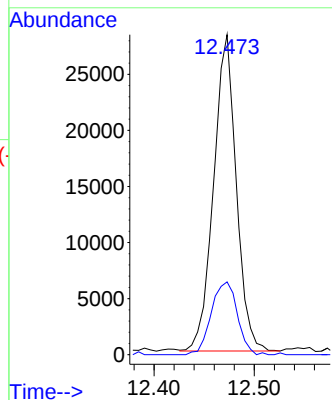
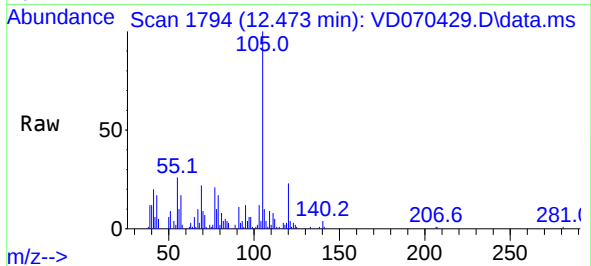
#73
Isopropylbenzene
Concen: 9.927 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

Tgt Ion: 105 Resp: 44296
Ion Ratio Lower Upper
105 100
120 26.4 13.0 38.9

Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)

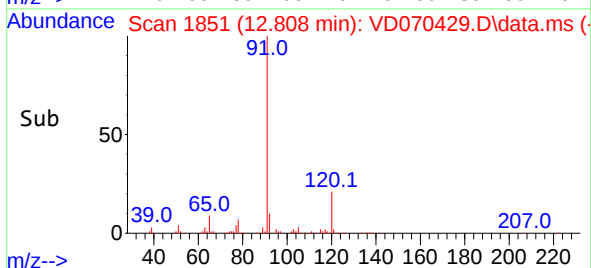
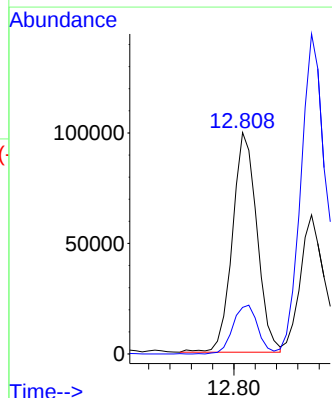
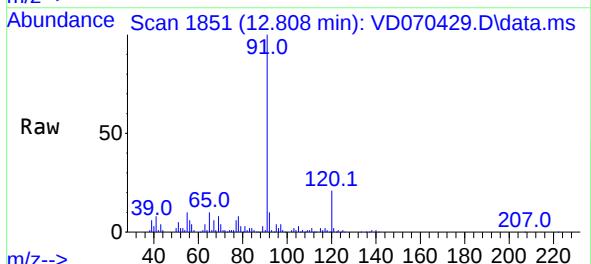
Manual Integrations
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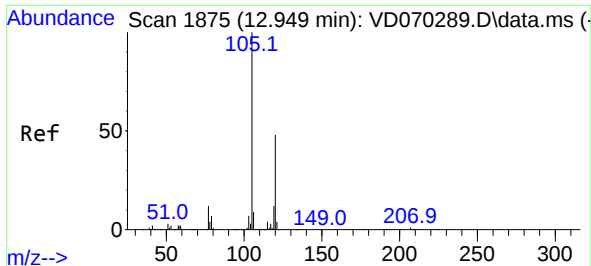
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#78
n-propylbenzene
Concen: 27.447 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

Tgt Ion: 91 Resp: 158957
Ion Ratio Lower Upper
91 100
120 22.5 11.0 33.0





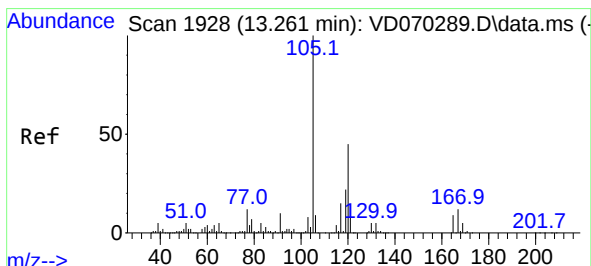
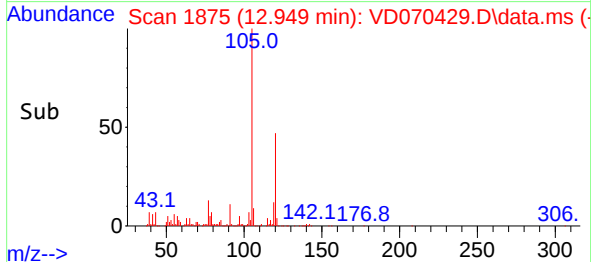
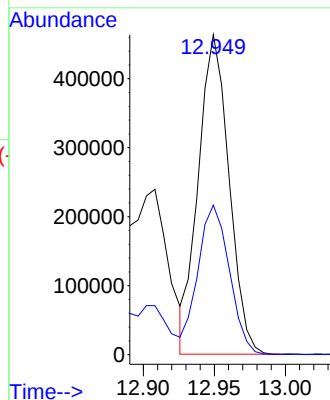
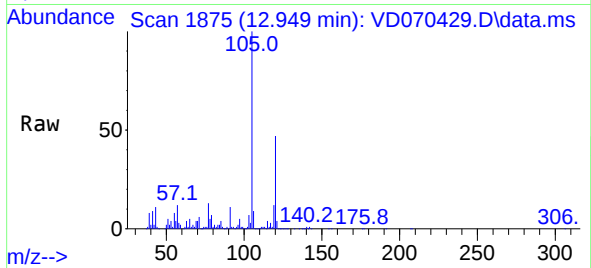
#80
1,3,5-Trimethylbenzene
Concen: 180.331 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

Tgt Ion:105 Resp: 694466
Ion Ratio Lower Upper
105 100
120 48.1 24.1 72.2

Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)

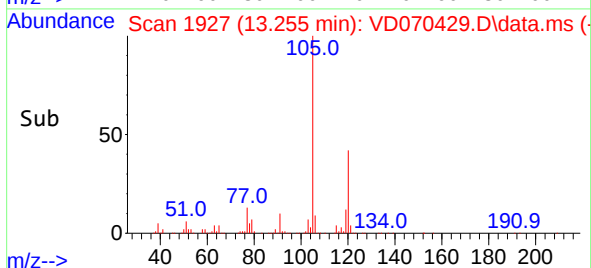
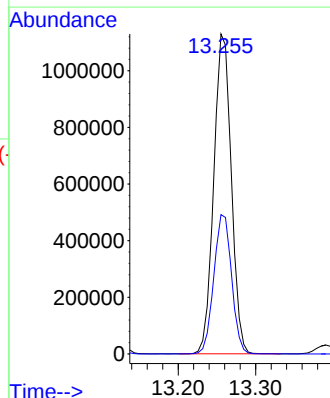
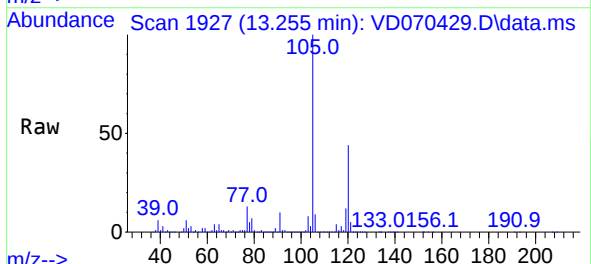
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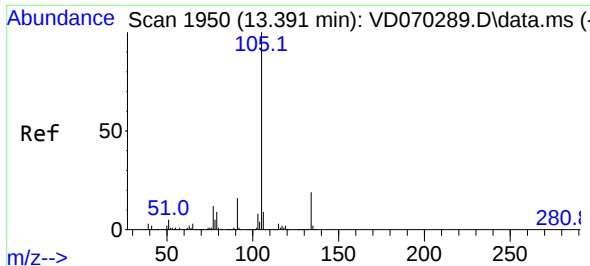
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#84
1,2,4-Trimethylbenzene
Concen: 467.160 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

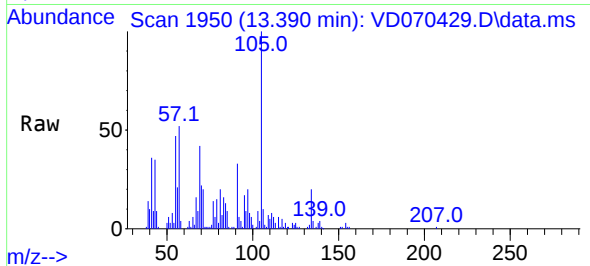
Tgt Ion:105 Resp: 1771616
Ion Ratio Lower Upper
105 100
120 44.3 22.3 66.8





#85
 sec-Butylbenzene
 Concen: 10.757 ug/l m
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD070429.D
 Acq: 22 Sep 2021 16:23

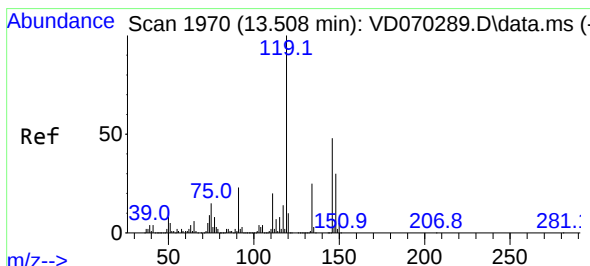
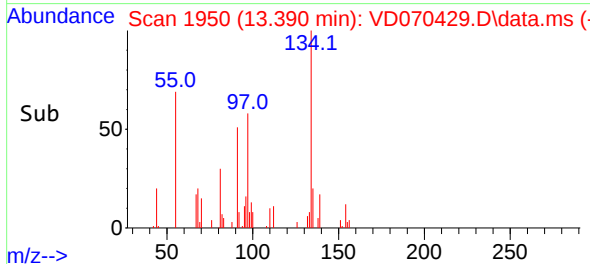
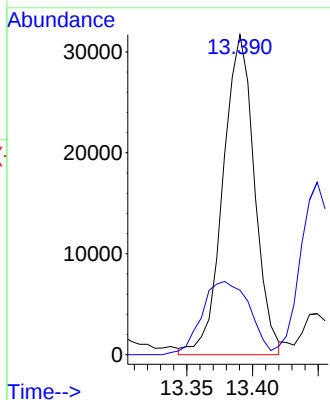
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5-(1.5-2.5)



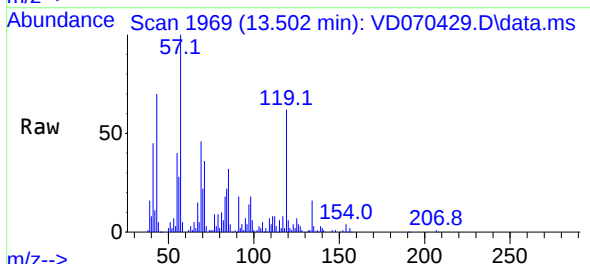
Tgt Ion:105 Resp: 52813
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

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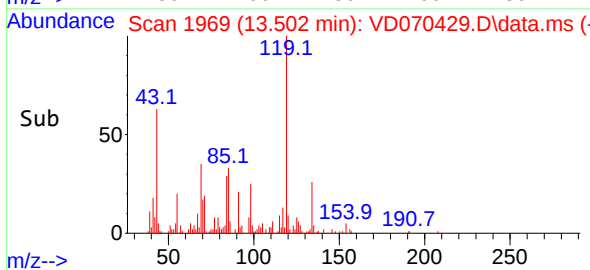
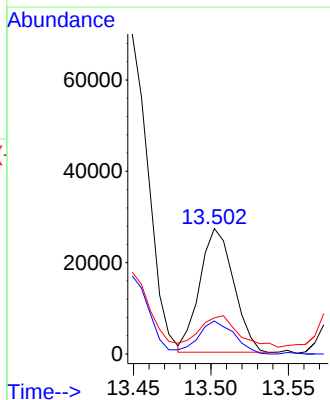
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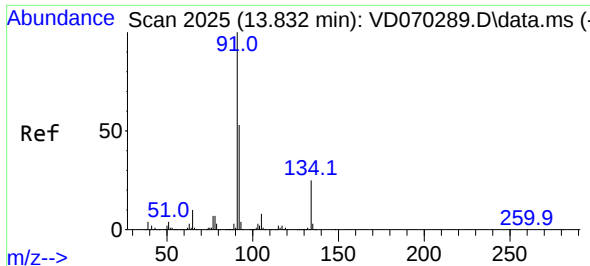


#86
 p-Isopropyltoluene
 Concen: 10.462 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD070429.D
 Acq: 22 Sep 2021 16:23



Tgt Ion:119 Resp: 41267
 Ion Ratio Lower Upper
 119 100
 134 27.7 12.7 38.0
 91 28.0 11.8 35.3





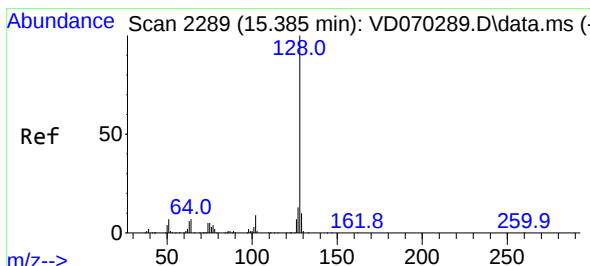
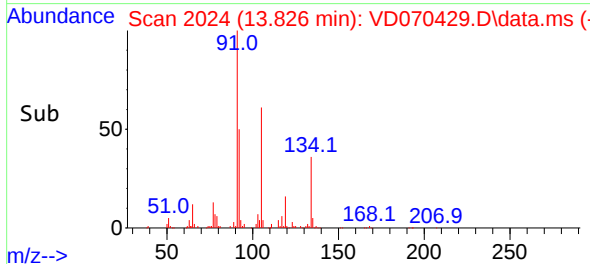
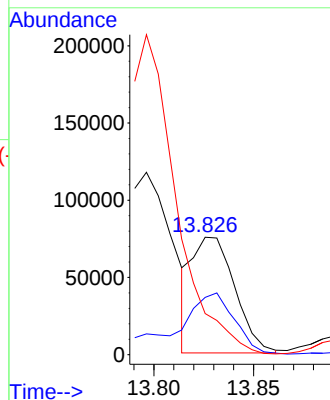
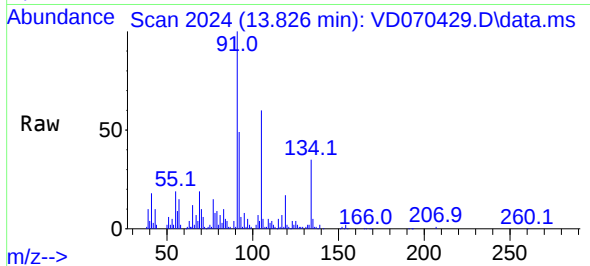
#89
n-Butylbenzene
Concen: 28.390 ug/l m
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

Tgt Ion: 91 Resp: 111655
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.4#
134 332.7 12.1 36.3#

Instrument :
MSVOA_D
ClientSampleId :
SB-5-(1.5-2.5)

Manual Integrations
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#95
Naphthalene
Concen: 94.435 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070429.D
Acq: 22 Sep 2021 16:23

Tgt Ion:128 Resp: 175265
Ion Ratio Lower Upper
128 100
127 15.9 10.5 15.7#
129 12.7 9.0 13.4

