

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069333.D
 Acq On : 03 Jun 2021 19:03
 Operator : VA/SY
 Sample : M2583-04
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 40955

Manual Integrations
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Quant Time: Jun 04 09:38:08 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	324770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	625676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	390207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	70525	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	185186	59.426	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.860%			
35) Dibromofluoromethane	7.914	113	213150	54.249	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.500%			
50) Toluene-d8	10.350	98	701718	49.114	ug/l	0.01
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.220%			
62) 4-Bromofluorobenzene	12.626	95	167563	35.791	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 71.580%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.232	59	509358	2948.792	ug/l	98
16) Acetone	4.126	43	82135081m	151036.842	ug/l	
18) Methyl Acetate	4.726	43	390605	265.425	ug/l	92
19) Methyl tert-butyl Ether	5.468	73	569660	95.221	ug/l	95
22) Diisopropyl ether	6.362	45	62064	8.222	ug/l	# 96
25) 2-Butanone	7.215	43	1136402	1588.087	ug/l	93
29) Tetrahydrofuran	7.562	42	11482	27.917	ug/l	# 61
37) Ethyl Acetate	7.291	43	102812	49.789	ug/l	# 94
39) Methylcyclohexane	9.356	83	3520787	565.929	ug/l	96
40) Benzene	8.350	78	351570	19.904	ug/l	98
48) Methyl methacrylate	9.456	41	230206	131.940	ug/l	96
51) 4-Methyl-2-Pentanone	10.244	43	1394240	718.278	ug/l	97
52) Toluene	10.391	92	40447841m	3628.074	ug/l	
67) Ethyl Benzene	11.744	91	12425060	906.946	ug/l	91
68) m/p-Xylenes	11.844	106	18439967	3435.023	ug/l	# 1
69) o-Xylene	12.179	106	9791123	2062.223	ug/l	77
73) Isopropylbenzene	12.473	105	2565176	531.465	ug/l	100
78) n-propylbenzene	12.814	91	10288145	1738.002	ug/l	95
80) 1,3,5-Trimethylbenzene	12.955	105	12241994	2994.803	ug/l	89
83) tert-Butylbenzene	13.220	119	16919m	4.942	ug/l	
84) 1,2,4-Trimethylbenzene	13.255	105	22287475m	5482.275	ug/l	
85) sec-Butylbenzene	13.397	105	1754949	347.323	ug/l	# 64
86) p-Isopropyltoluene	13.514	119	6032369	1365.393	ug/l	94
89) n-Butylbenzene	13.838	91	1480488	358.161	ug/l	# 71
95) Naphthalene	15.391	128	1297504	506.825	ug/l	98

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

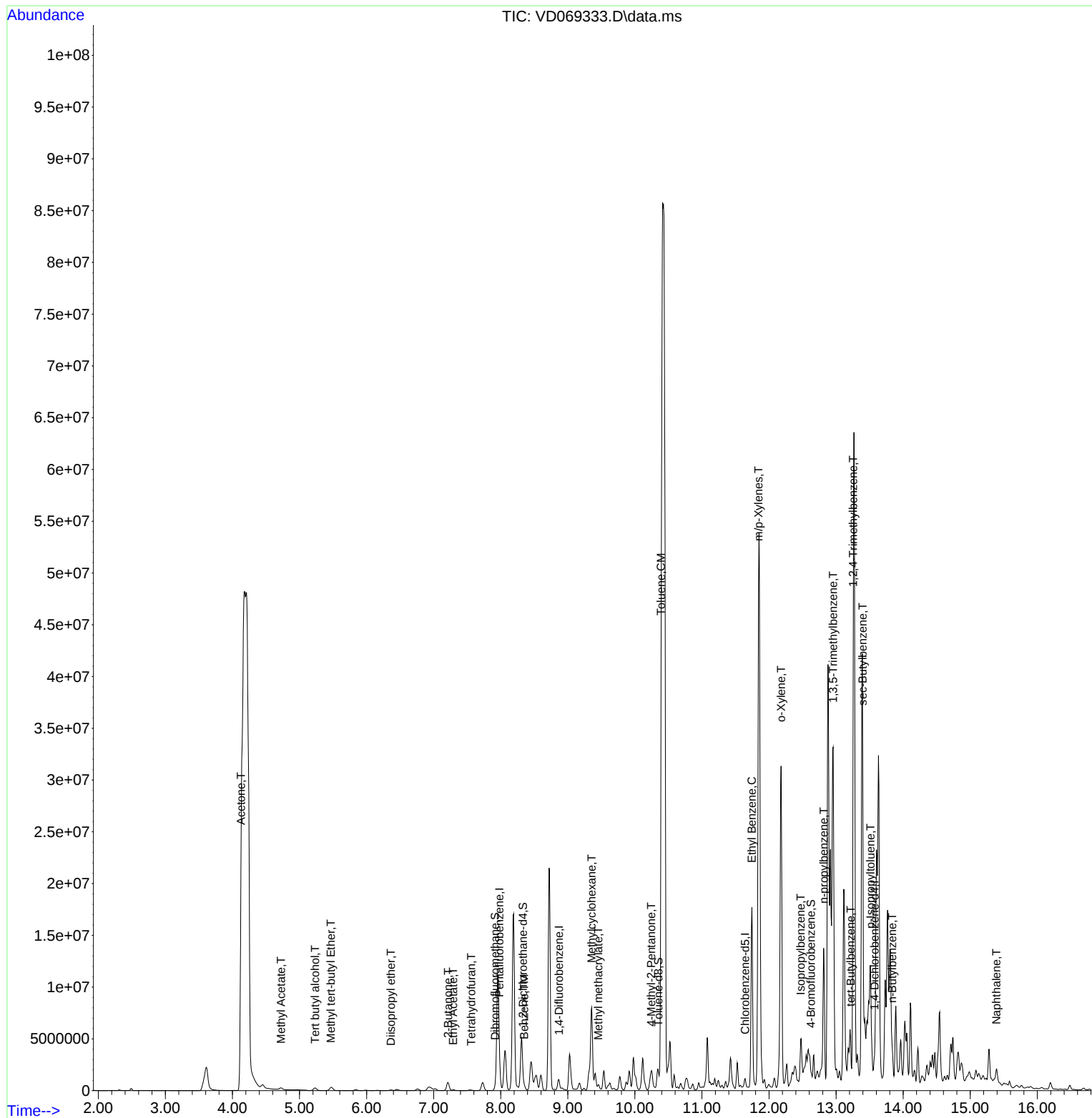
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069333.D
Acq On : 03 Jun 2021 19:03
Operator : VA/SY
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ALS Vial : 18 Sample Multiplier: 1

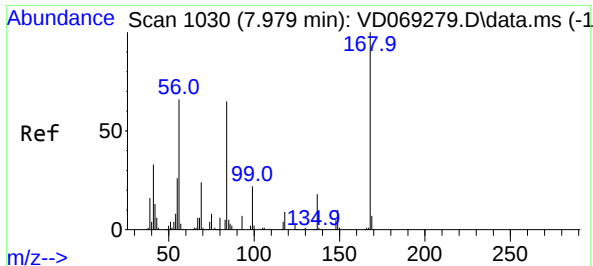
Instrument :
MSVOA_D
ClientSampleId :
40955

Quant Time: Jun 04 09:38:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
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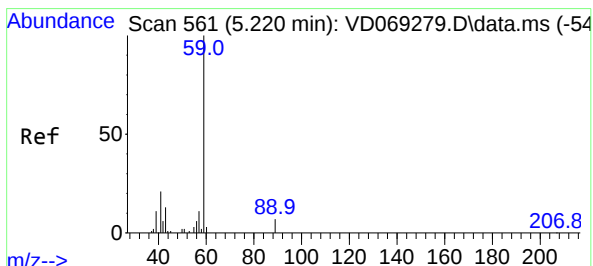
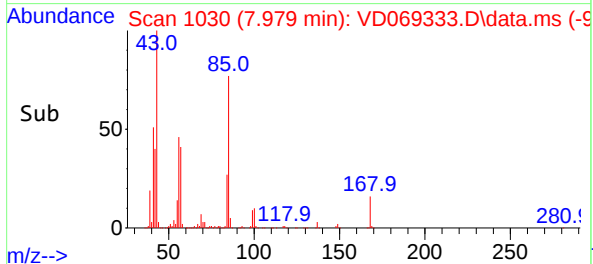
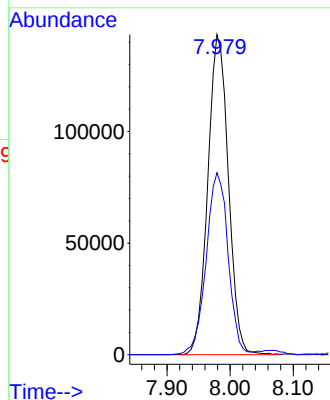
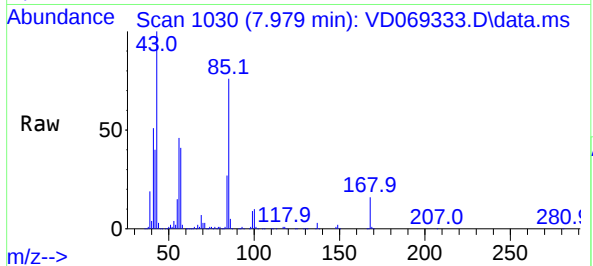
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion:168 Resp: 324770
Ion Ratio Lower Upper
168 100
99 56.5 46.2 69.2

Instrument :
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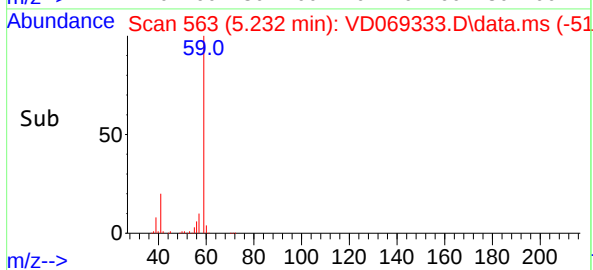
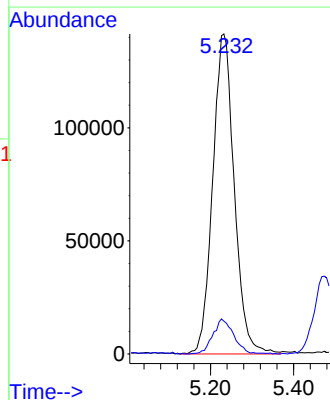
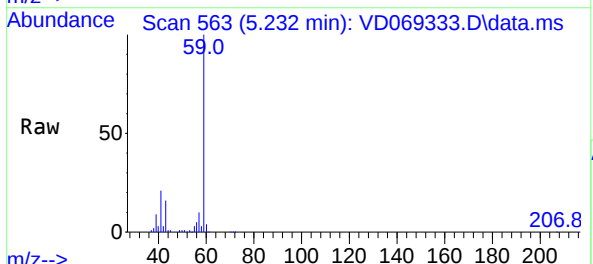
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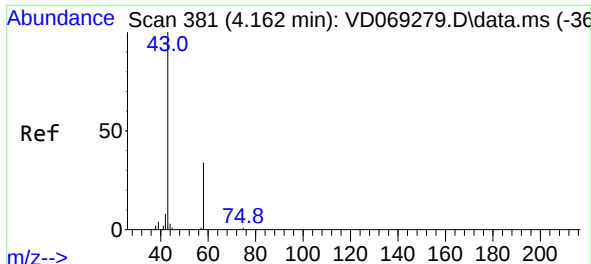
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#11
Tert butyl alcohol
Concen: 2948.792 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion: 59 Resp: 509358
Ion Ratio Lower Upper
59 100
57 10.6 7.8 11.8



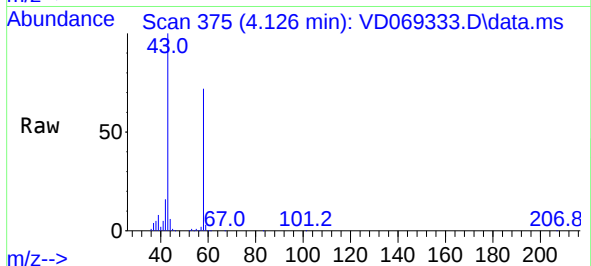


#16
Acetone
Concen: 151036.842 ug/l m
RT: 4.126 min Scan# 375
Delta R.T. -0.035 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

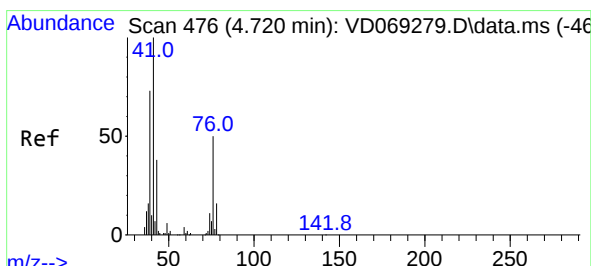
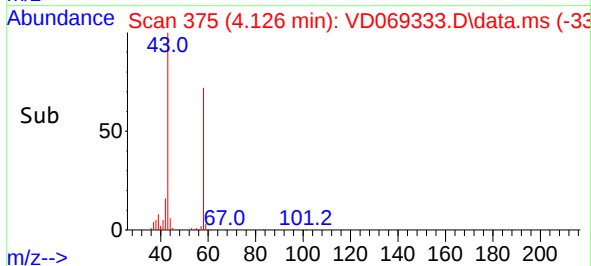
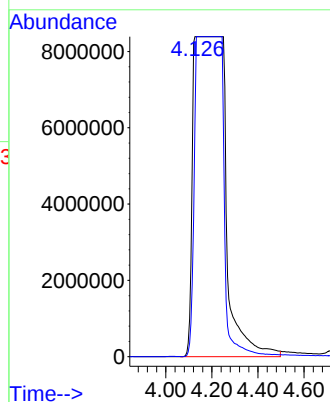
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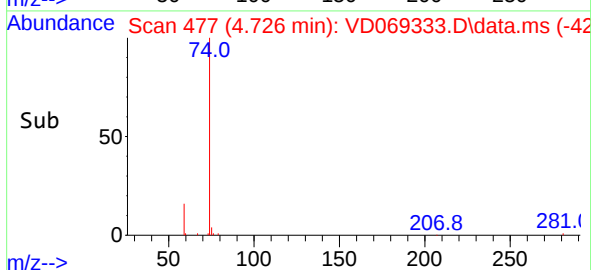
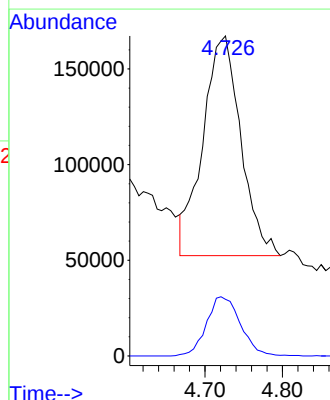
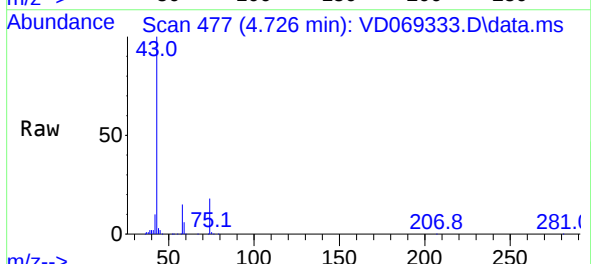


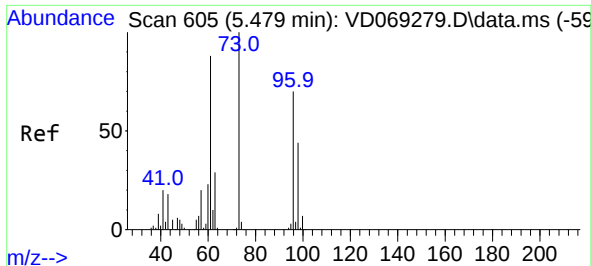
Tgt Ion: 43 Resp: 82135081
Ion Ratio Lower Upper
43 100
58 72.3 27.5 41.3#



#18
Methyl Acetate
Concen: 265.425 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion: 43 Resp: 390605
Ion Ratio Lower Upper
43 100
74 24.2 22.8 34.2





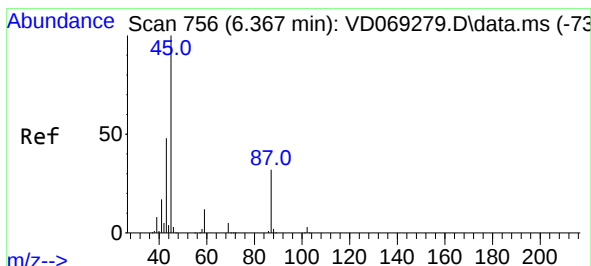
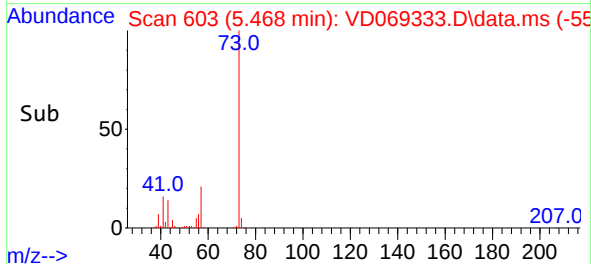
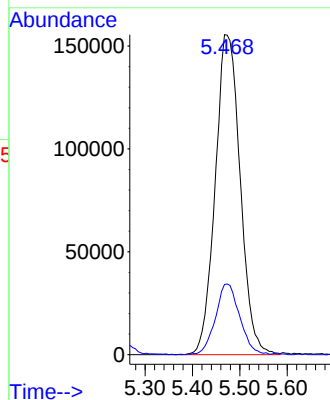
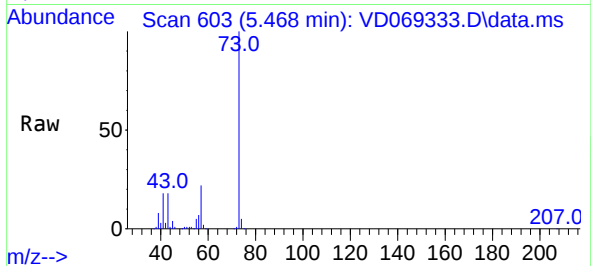
#19
Methyl tert-butyl Ether
Concen: 95.221 ug/l
RT: 5.468 min Scan# 603
Delta R.T. -0.012 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion: 73 Resp: 569660
Ion Ratio Lower Upper
73 100
57 21.8 15.7 23.5

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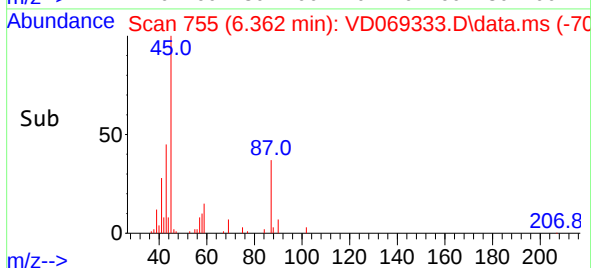
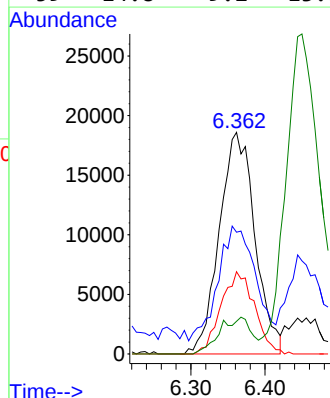
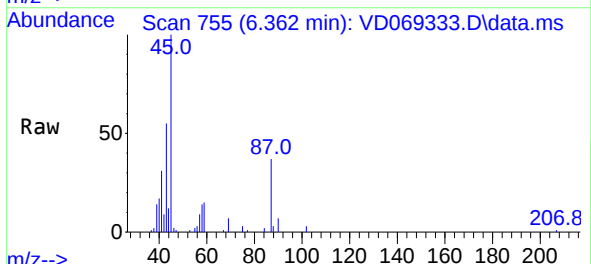
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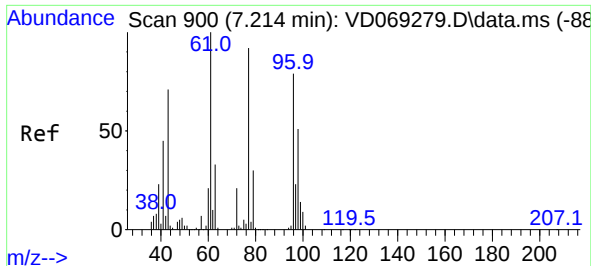
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#22
Diisopropyl ether
Concen: 8.222 ug/l
RT: 6.362 min Scan# 755
Delta R.T. -0.006 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion: 45 Resp: 62064
Ion Ratio Lower Upper
45 100
43 48.1 38.7 58.1
87 37.1 25.6 38.4
59 14.8 9.2 13.8



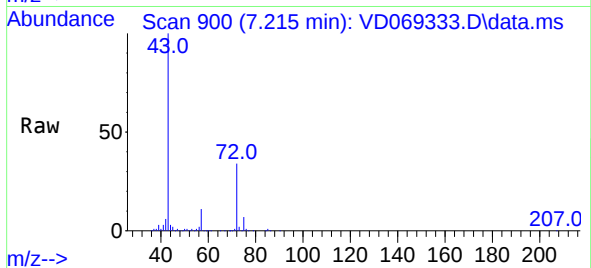


#25
2-Butanone
Concen: 1588.087 ug/l
RT: 7.215 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

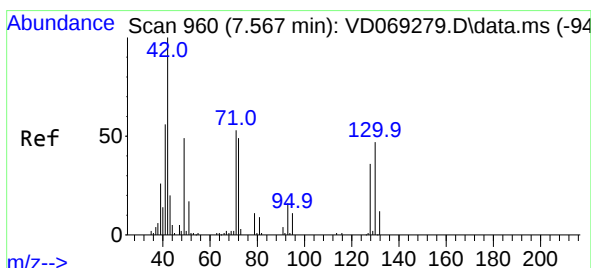
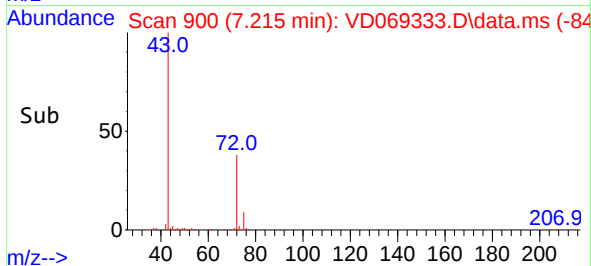
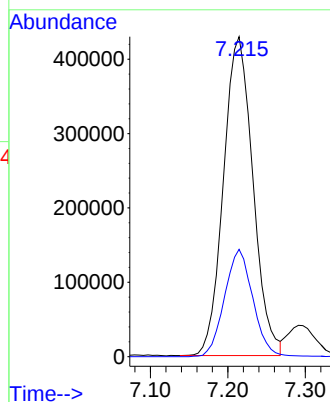
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ClientSampled :
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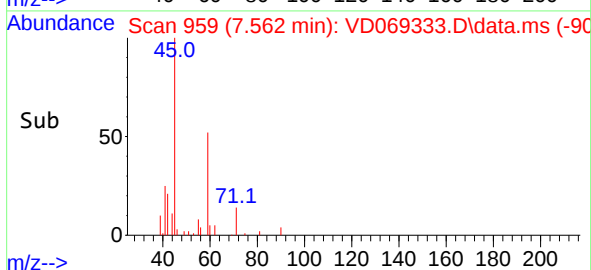
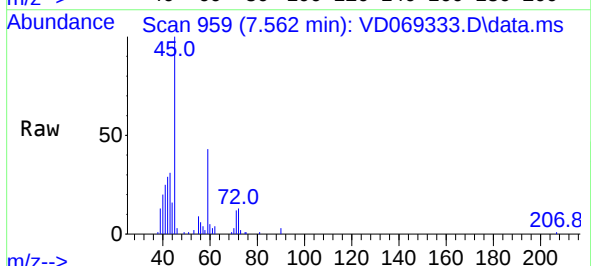
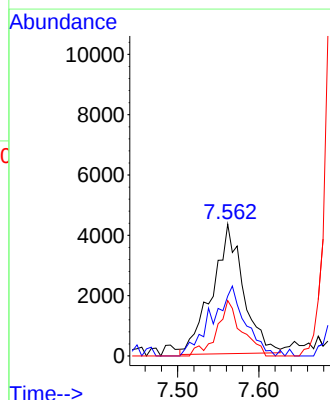


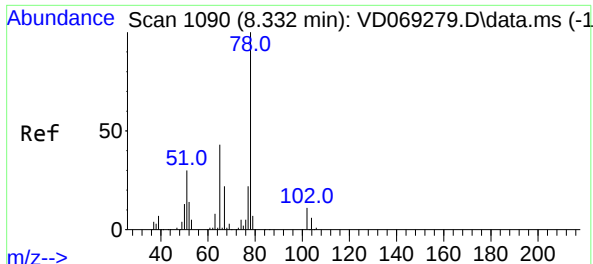
Tgt Ion: 43 Resp: 1136402
Ion Ratio Lower Upper
43 100
72 33.7 23.9 35.9



#29
Tetrahydrofuran
Concen: 27.917 ug/l
RT: 7.562 min Scan# 959
Delta R.T. -0.006 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion: 42 Resp: 11482
Ion Ratio Lower Upper
42 100
72 57.3 41.0 61.6
71 0.0 38.9 58.3#





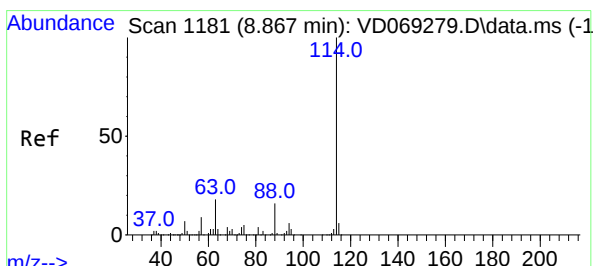
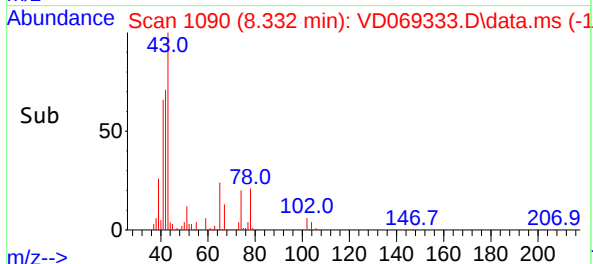
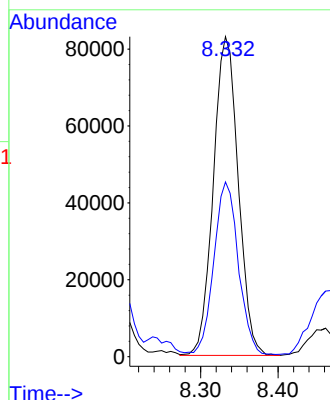
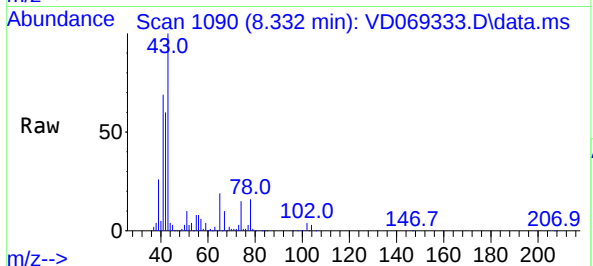
#33
1,2-Dichloroethane-d4
Concen: 59.426 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion: 65 Resp: 185186
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8

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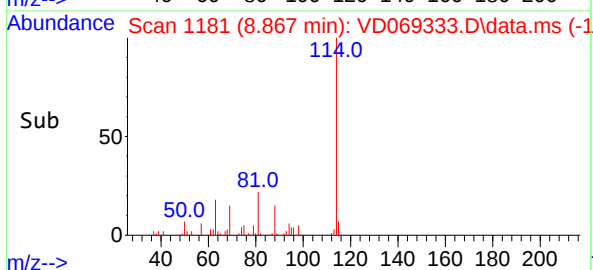
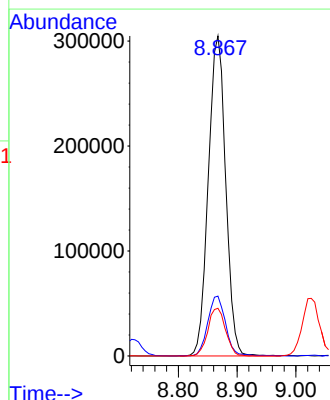
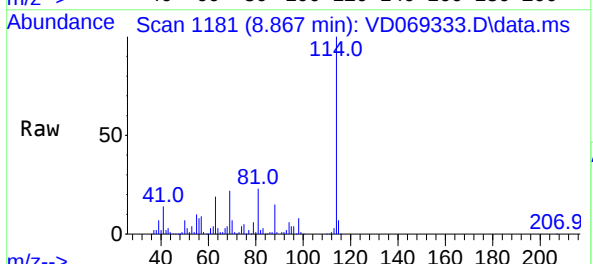
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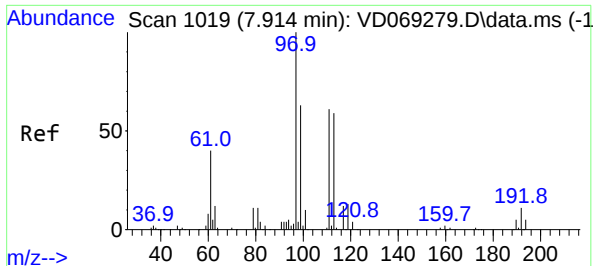
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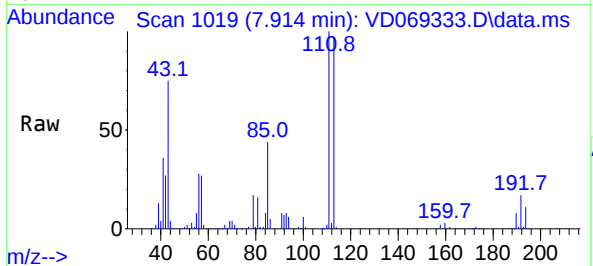
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1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion: 114 Resp: 625676
Ion Ratio Lower Upper
114 100
63 18.6 0.0 35.6
88 14.9 0.0 31.2

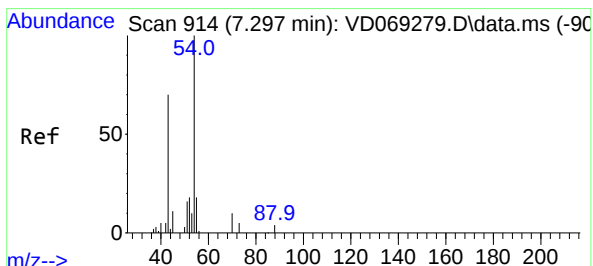
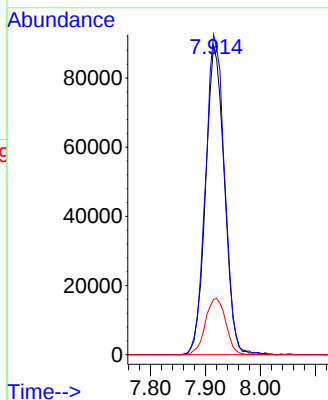
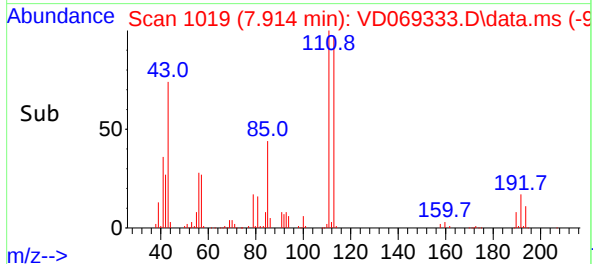




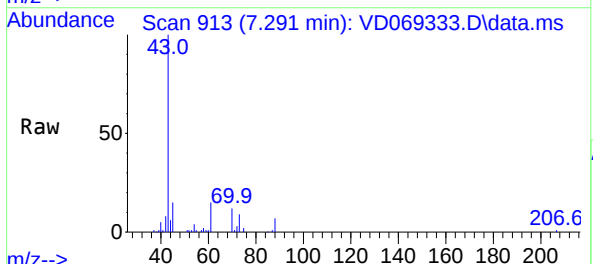
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Dibromofluoromethane
Concen: 54.249 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03



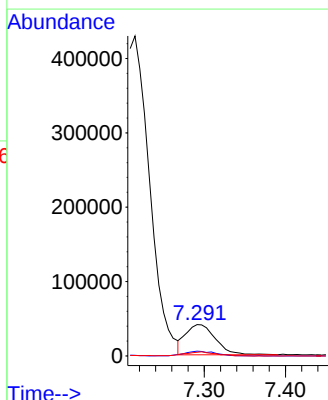
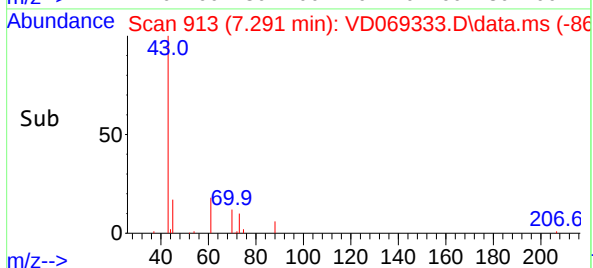
Tgt Ion: 113 Resp: 213150
Ion Ratio Lower Upper
113 100
111 105.0 83.0 124.6
192 19.6 15.1 22.7



#37
Ethyl Acetate
Concen: 49.789 ug/l
RT: 7.291 min Scan# 913
Delta R.T. -0.006 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03



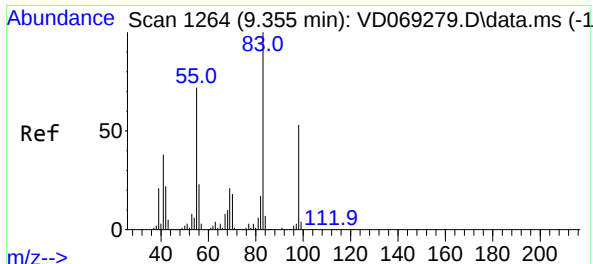
Tgt Ion: 43 Resp: 102812
Ion Ratio Lower Upper
43 100
61 16.8 11.0 16.6#
70 14.1 9.7 14.5



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#39

Methylcyclohexane

Concen: 565.929 ug/l

RT: 9.356 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD069333.D

Acq: 03 Jun 2021 19:03

Tgt Ion: 83 Resp: 3520787

Ion	Ratio	Lower	Upper
83	100		
55	68.5	57.4	86.2
98	50.7	42.2	63.2

Instrument :

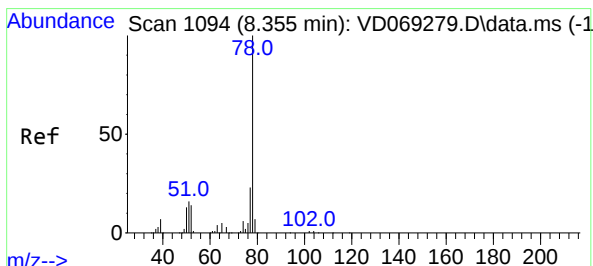
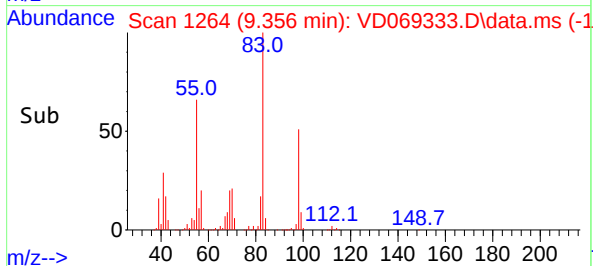
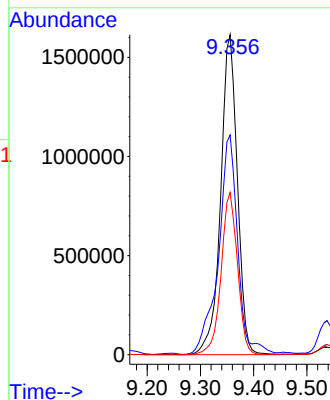
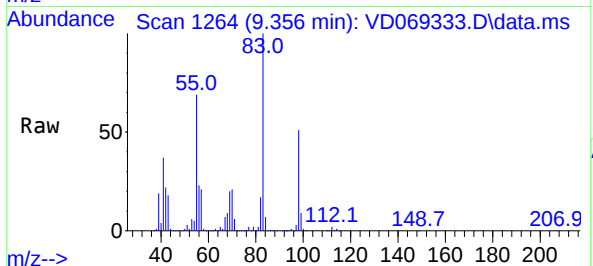
MSVOA_D

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#40

Benzene

Concen: 19.904 ug/l

RT: 8.350 min Scan# 1093

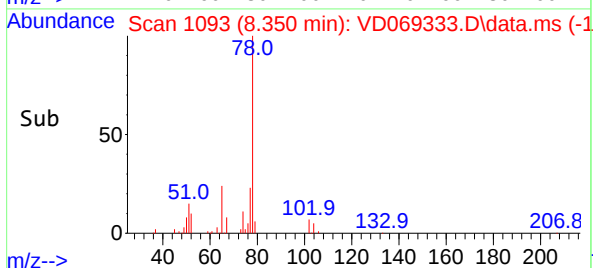
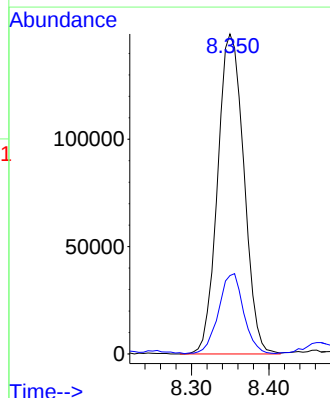
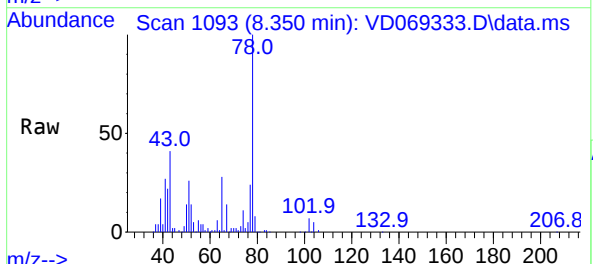
Delta R.T. -0.006 min

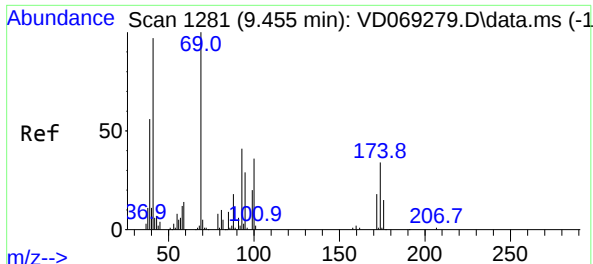
Lab File: VD069333.D

Acq: 03 Jun 2021 19:03

Tgt Ion: 78 Resp: 351570

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





#48

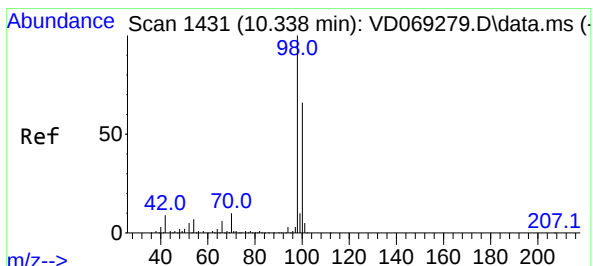
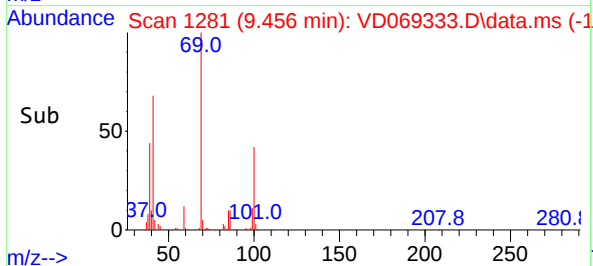
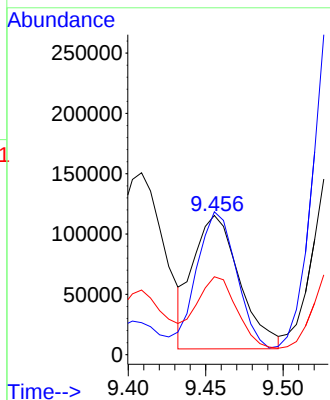
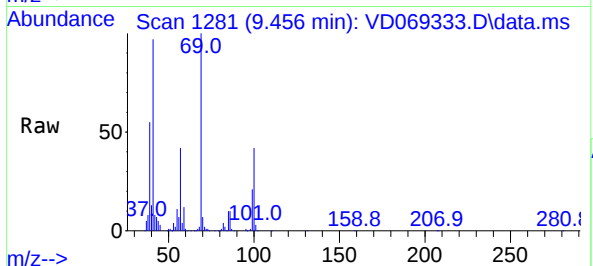
Methyl methacrylate
Concen: 131.940 ug/l
RT: 9.456 min Scan# 1281
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion: 41 Resp: 230206
Ion Ratio Lower Upper
41 100
69 95.5 77.6 116.4
39 50.7 45.3 67.9

Instrument :
MSVOA_D
ClientSampled :
40955

Manual Integrations
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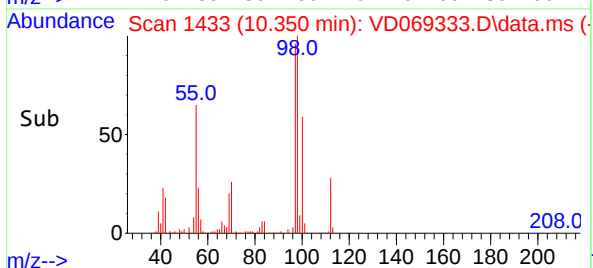
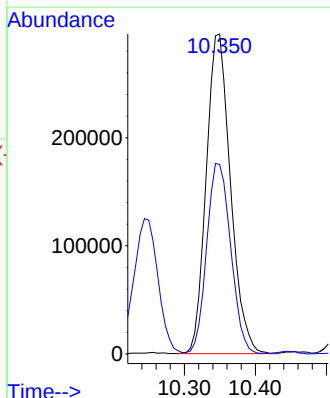
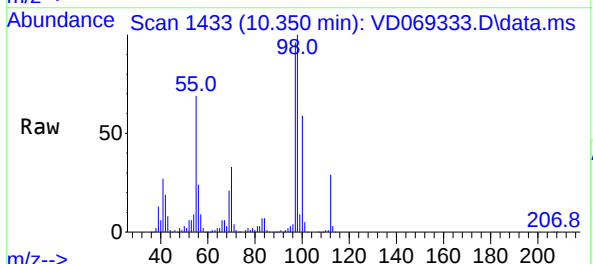
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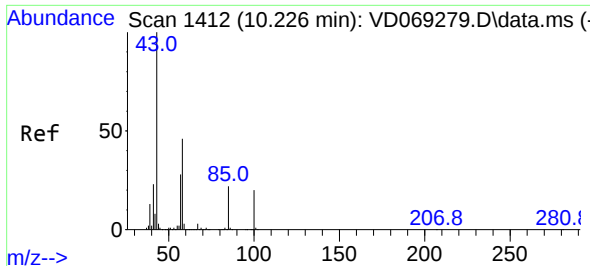


#50

Toluene-d8
Concen: 49.114 ug/l
RT: 10.350 min Scan# 1433
Delta R.T. 0.012 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

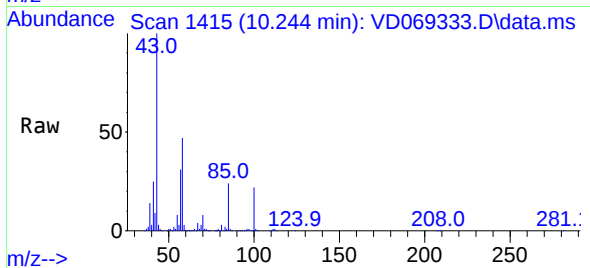
Tgt Ion: 98 Resp: 701718
Ion Ratio Lower Upper
98 100
100 58.8 52.1 78.1





#51
4-Methyl-2-Pentanone
Concen: 718.278 ug/l
RT: 10.244 min Scan# 1415
Delta R.T. 0.018 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

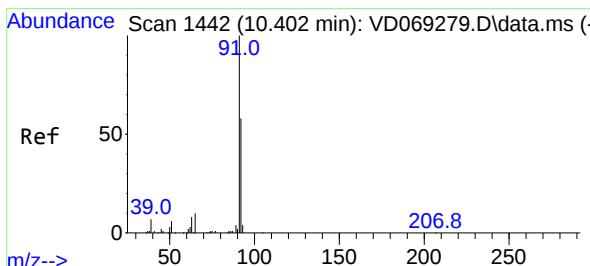
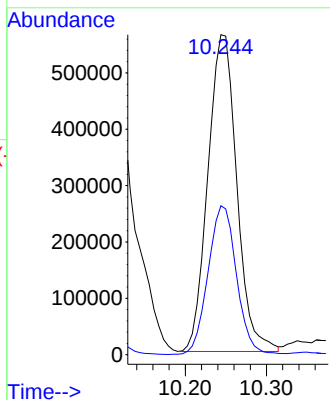
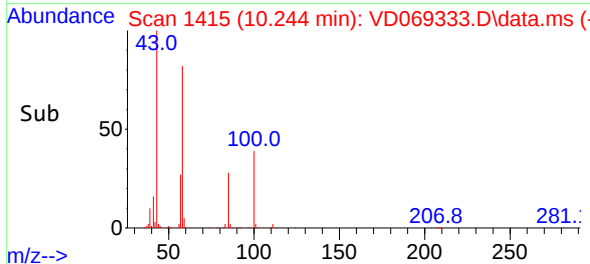
Instrument :
MSVOA_D
ClientSampled :
40955



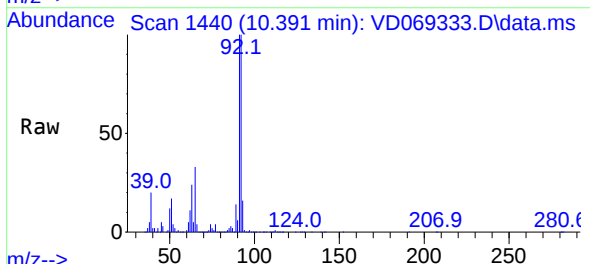
Tgt Ion: 43 Resp: 1394240
Ion Ratio Lower Upper
43 100
58 46.2 35.1 52.7

Manual Integrations
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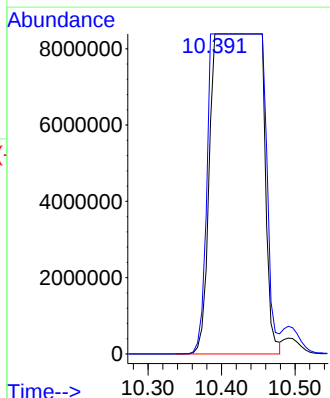
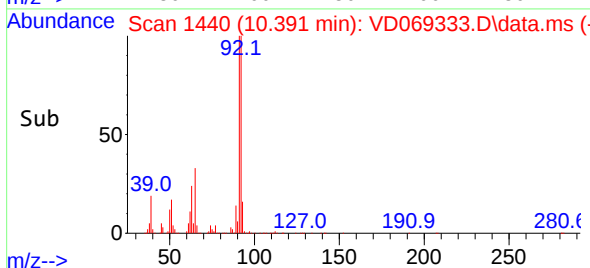
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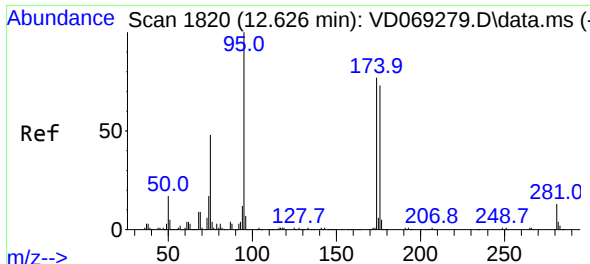


#52
Toluene
Concen: 3628.074 ug/l m
RT: 10.391 min Scan# 1440
Delta R.T. -0.012 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

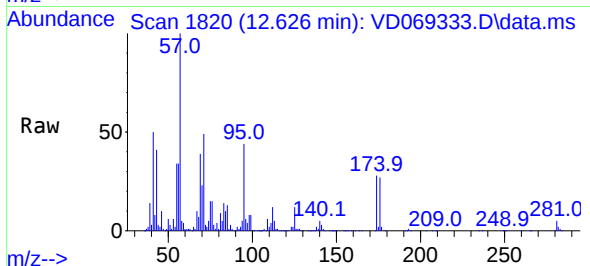


Tgt Ion: 92 Resp: 40447841
Ion Ratio Lower Upper
92 100
91 2.8 138.4 207.6#

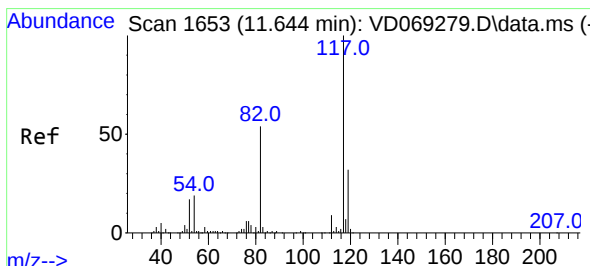
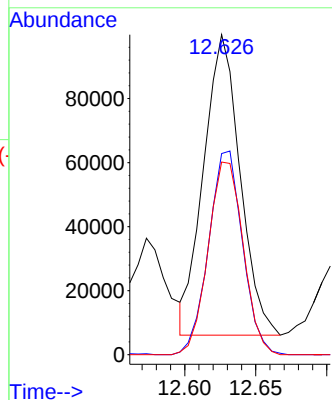
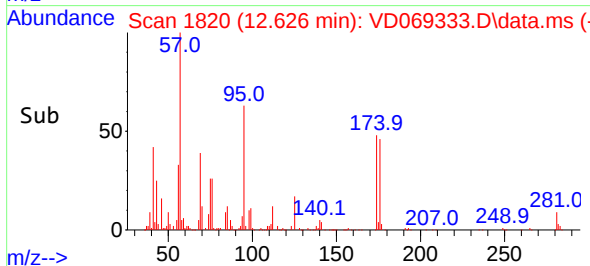




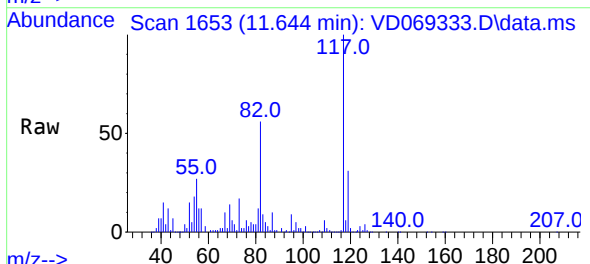
#62
4-Bromofluorobenzene
Concen: 35.791 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03



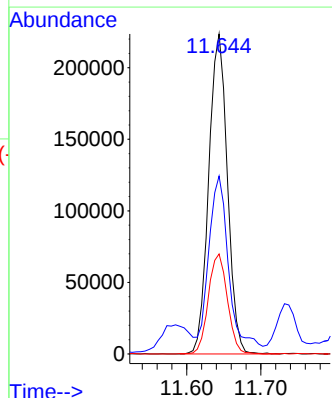
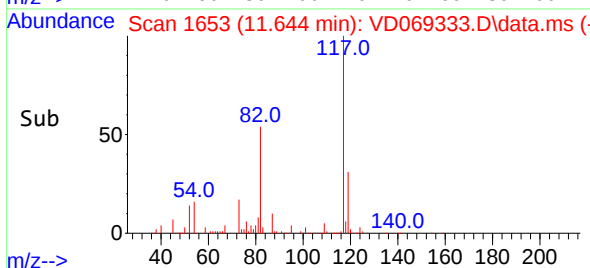
Tgt Ion: 95 Resp: 167563
Ion Ratio Lower Upper
95 100
174 63.2 0.0 162.8
176 61.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03



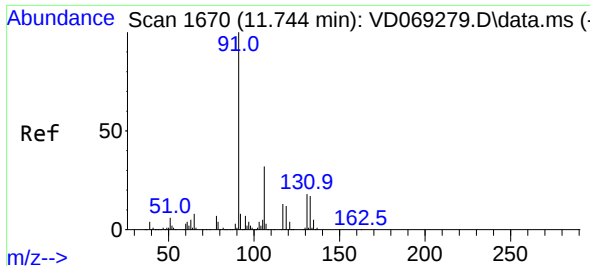
Tgt Ion: 117 Resp: 390207
Ion Ratio Lower Upper
117 100
82 47.0 43.3 64.9
119 31.2 25.3 37.9



Instrument :
MSVOA_D
ClientSampleId :
40955

Manual Integrations
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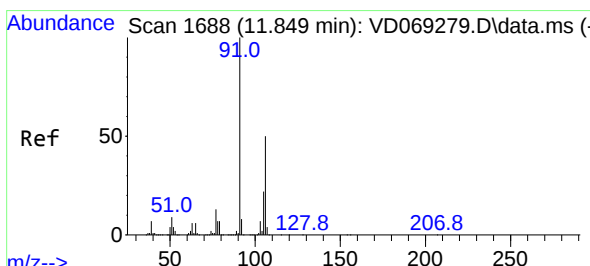
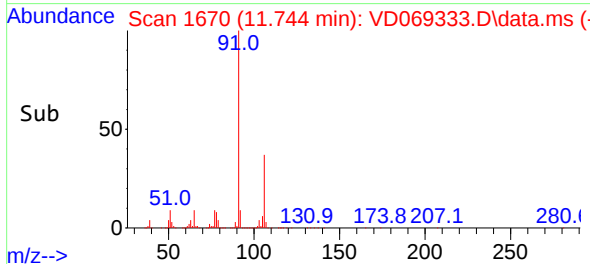
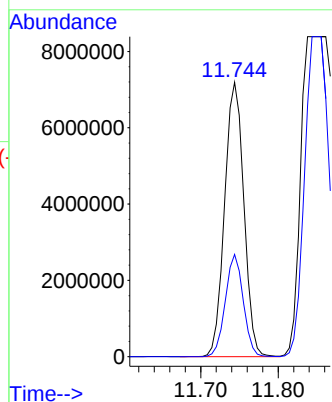
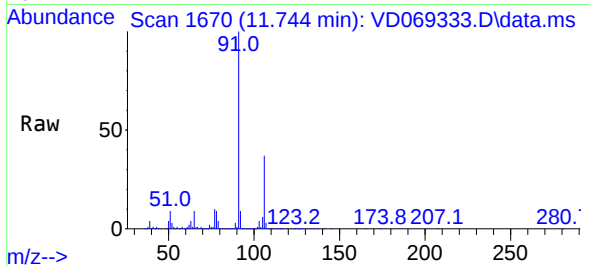
#67
Ethyl Benzene
Concen: 906.946 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Instrument :
MSVOA_D
ClientSampled :
40955

Tgt Ion: 91 Resp:12425060
Ion Ratio Lower Upper
91 100
106 37.3 25.9 38.9

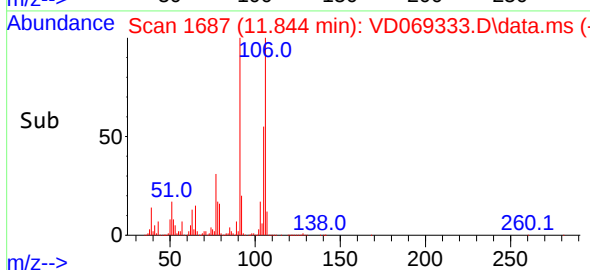
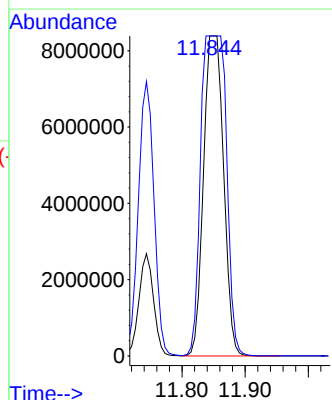
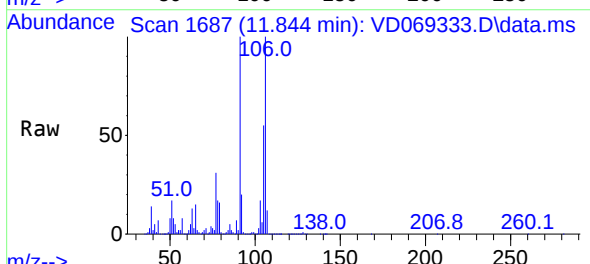
Manual Integrations
APPROVED

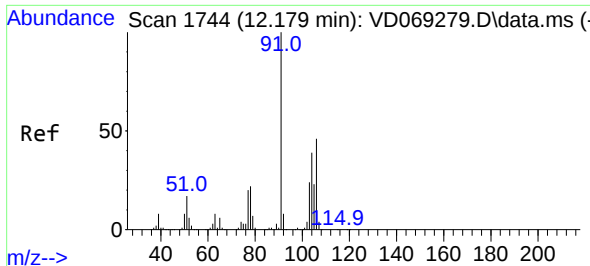
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#68
m/p-Xylenes
Concen: 3435.023 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion:106 Resp:18439967
Ion Ratio Lower Upper
106 100
91 0.0 158.3 237.5#





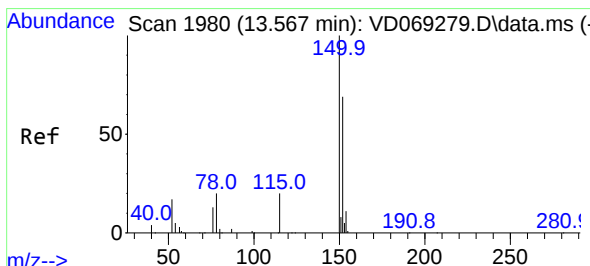
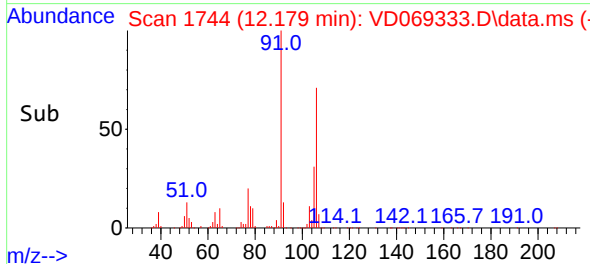
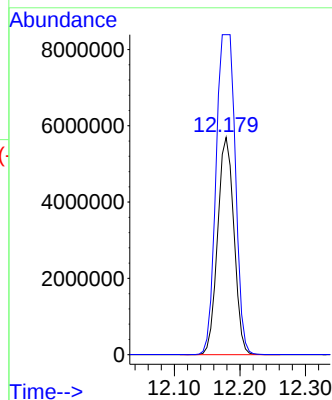
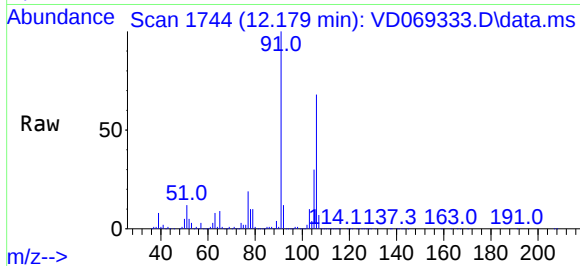
#69
o-Xylene
Concen: 2062.223 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion:106 Resp: 9791123
Ion Ratio Lower Upper
106 100
91 174.4 105.5 316.4

Instrument :
MSVOA_D
ClientSampled :
40955

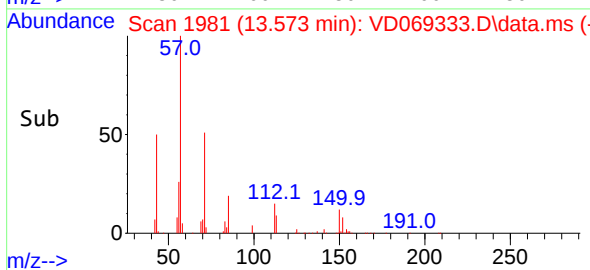
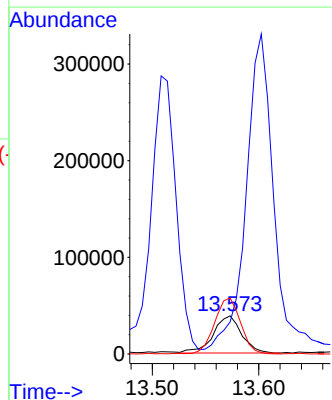
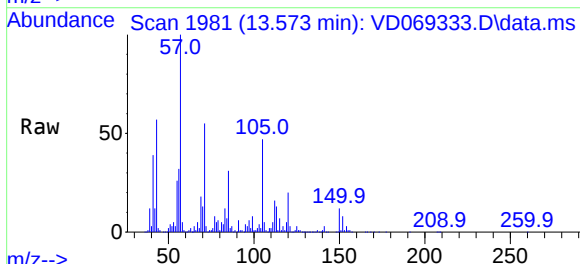
Manual Integrations
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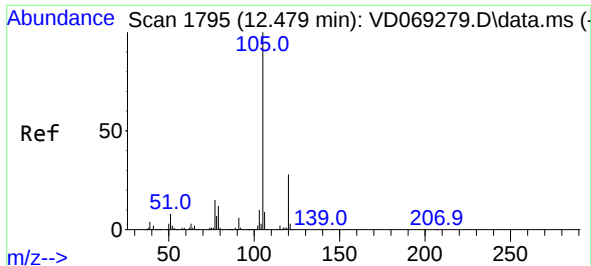
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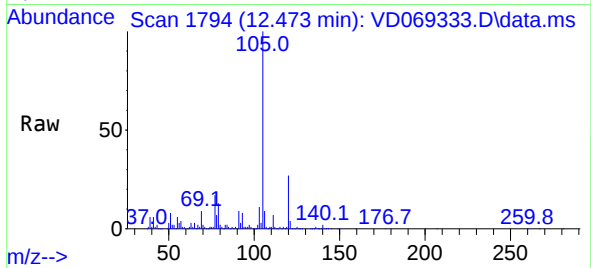
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion:152 Resp: 70525
Ion Ratio Lower Upper
152 100
115 0.0 29.4 88.3#
150 139.3 0.0 355.0

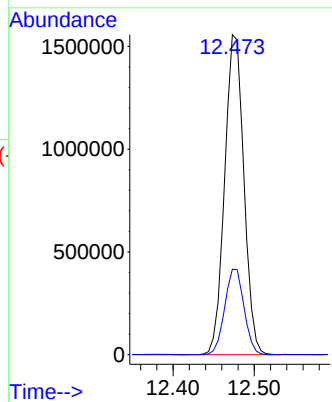




#73
Isopropylbenzene
Concen: 531.465 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03



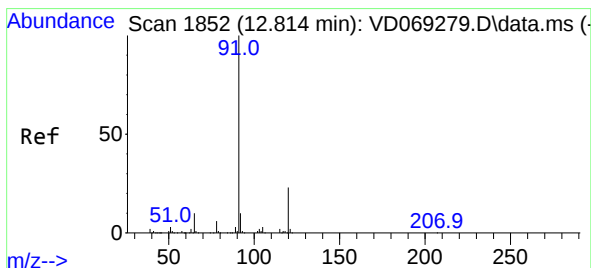
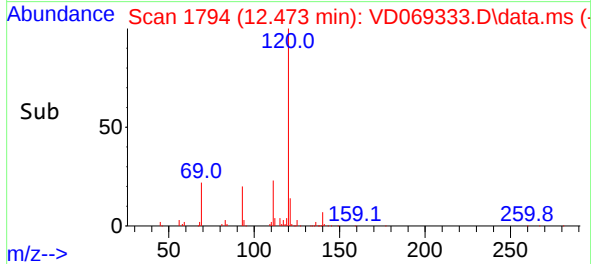
Tgt Ion:105 Resp: 2565176
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.5



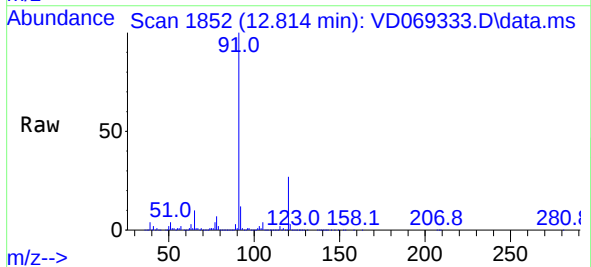
Instrument :
MSVOA_D
ClientSampled :
40955

Manual Integrations
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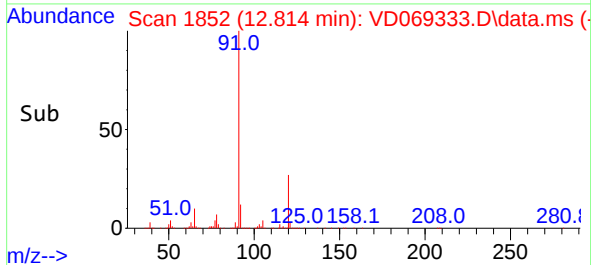
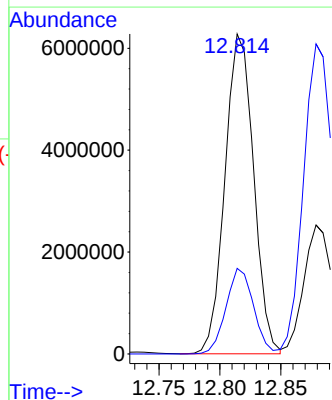
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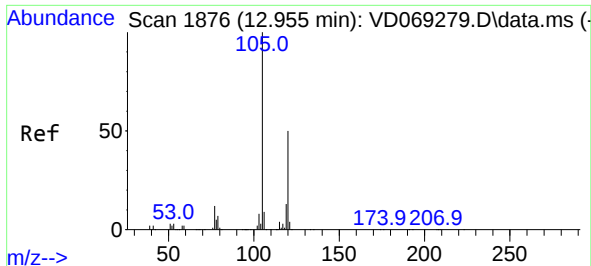


#78
n-propylbenzene
Concen: 1738.002 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03



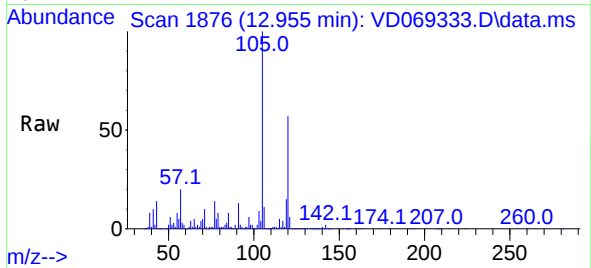
Tgt Ion: 91 Resp:10288145
Ion Ratio Lower Upper
91 100
120 25.6 11.6 34.8





#80
1,3,5-Trimethylbenzene
Concen: 2994.803 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

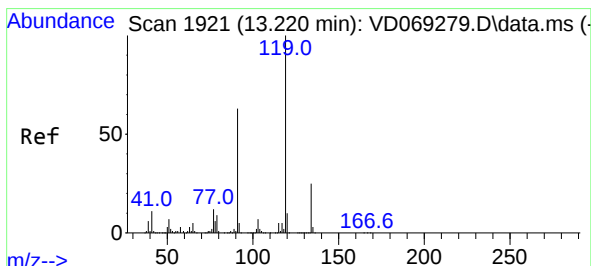
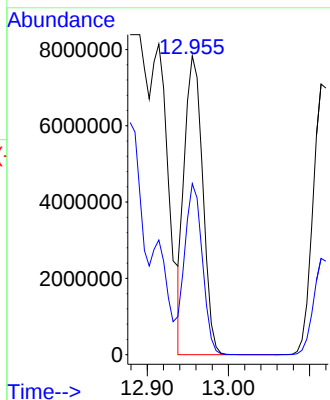
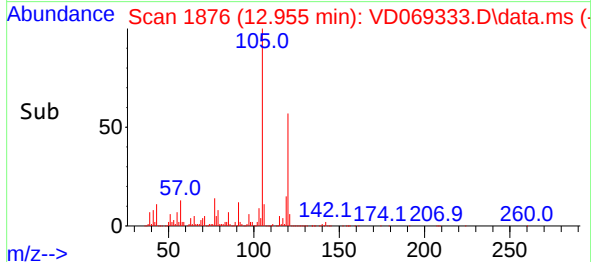
Instrument :
MSVOA_D
ClientSampled :
40955



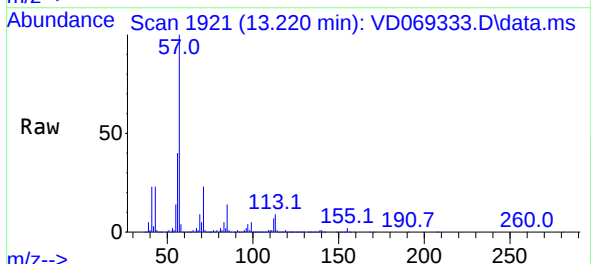
Tgt Ion:105 Resp:12241994
Ion Ratio Lower Upper
105 100
120 57.2 24.9 74.7

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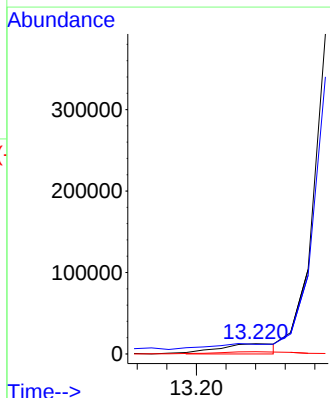
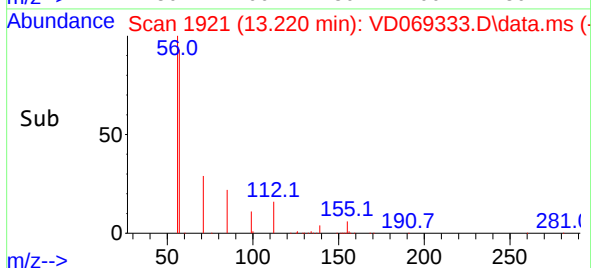
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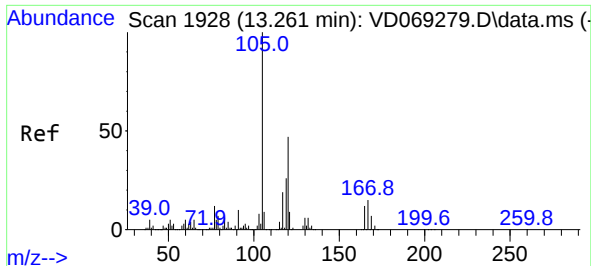


#83
tert-Butylbenzene
Concen: 4.942 ug/l m
RT: 13.220 min Scan# 1921
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03



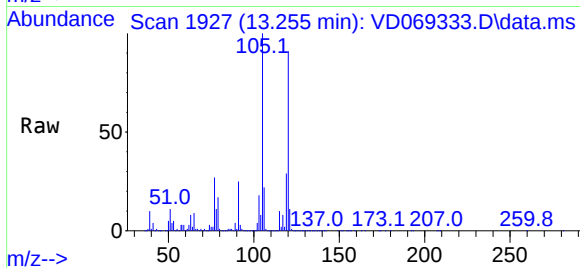
Tgt Ion:119 Resp: 16919
Ion Ratio Lower Upper
119 100
91 33216.4 31.7 95.1#
134 0.0 13.4 40.1#





#84
1,2,4-Trimethylbenzene
Concen: 5482.275 ug/l m
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

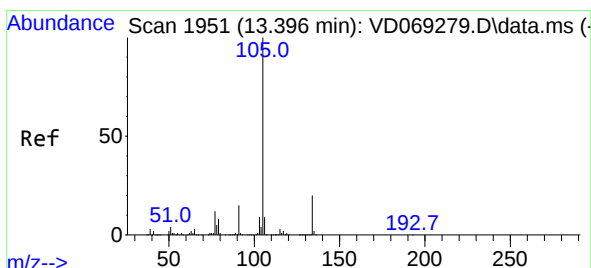
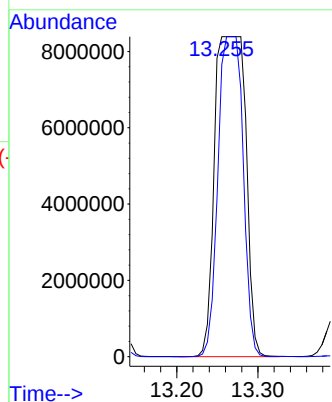
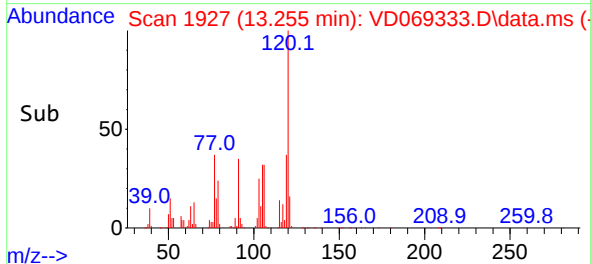
Instrument :
MSVOA_D
ClientSampled :
40955



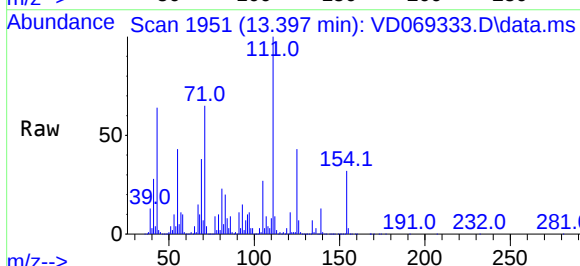
Tgt Ion:105 Resp:22287475
Ion Ratio Lower Upper
105 100
120 18.6 22.6 67.8#

Manual Integrations
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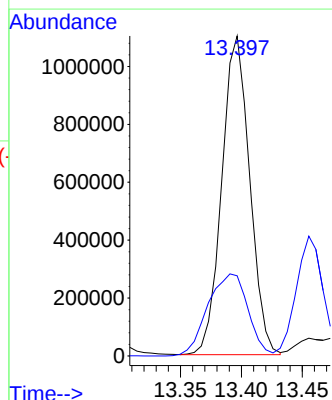
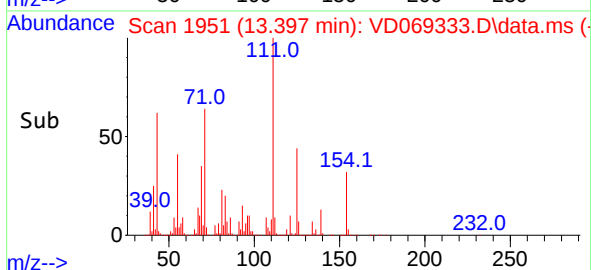
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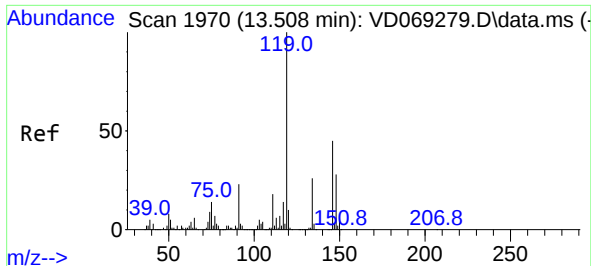


#85
sec-Butylbenzene
Concen: 347.323 ug/l
RT: 13.397 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03



Tgt Ion:105 Resp: 1754949
Ion Ratio Lower Upper
105 100
134 37.0 10.1 30.3#





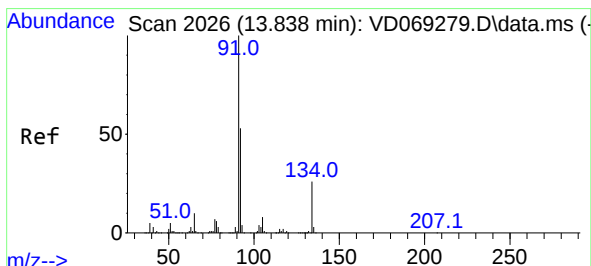
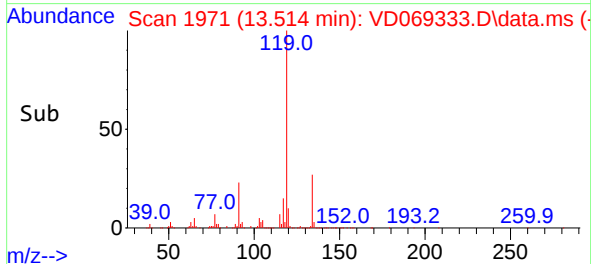
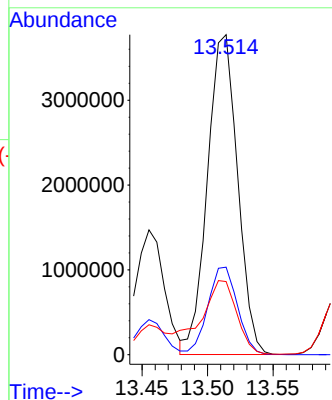
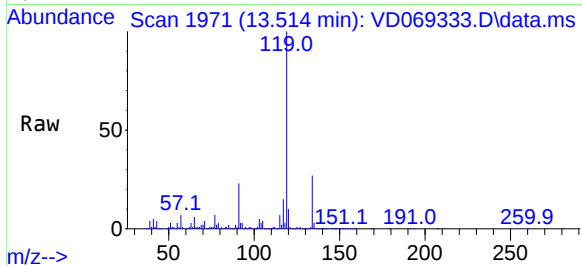
#86
p-Isopropyltoluene
Concen: 1365.393 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.006 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Tgt Ion: 119 Resp: 6032369
Ion Ratio Lower Upper
119 100
134 26.8 13.0 39.0
91 27.8 11.3 33.8

Instrument :
MSVOA_D
ClientSampled :
40955

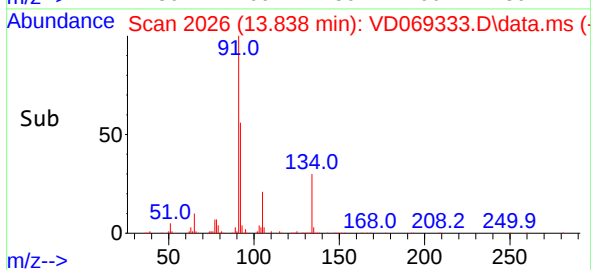
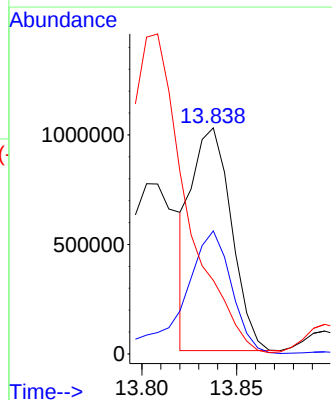
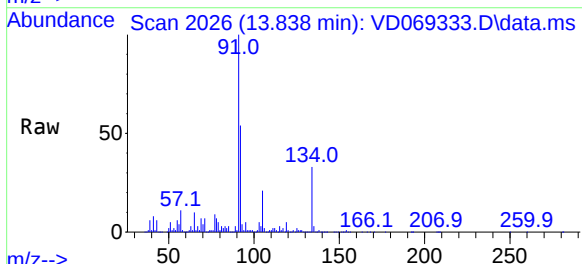
Manual Integrations
APPROVED

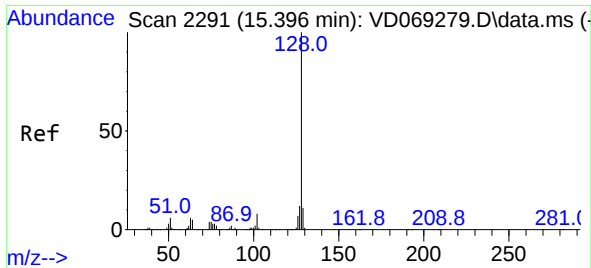
MMDadoda
6/4/2021 4:32:46 PM



#89
n-Butylbenzene
Concen: 358.161 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.000 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

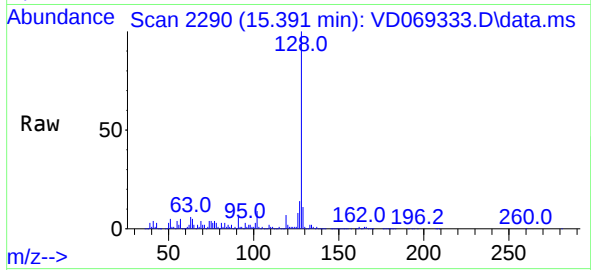
Tgt Ion: 91 Resp: 1480488
Ion Ratio Lower Upper
91 100
92 65.6 26.4 79.2
134 0.0 13.0 38.9#





#95
Naphthalene
Concen: 506.825 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. -0.005 min
Lab File: VD069333.D
Acq: 03 Jun 2021 19:03

Instrument :
MSVOA_D
ClientSampleId :
40955



Tgt Ion:128 Resp: 1297504
Ion Ratio Lower Upper
128 100
127 14.2 10.4 15.6
129 11.3 8.8 13.2

Manual Integrations
APPROVED

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6/4/2021 4:32:46 PM

