

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068172.D
 Acq On : 25 Jan 2021 16:24
 Operator : VA/SY
 Sample : M1216-02
 Misc : 1.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PS-104

Manual Integrations
 APPROVED

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1/26/2021 12:57:30 PM

Quant Time: Jan 26 00:09:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	236799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.873	114	416463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.655	117	241120	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	370971	50.00	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	144077	63.60	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.20%			
35) Dibromofluoromethane	7.920	113	141774	61.58	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.16%			
50) Toluene-d8	10.355	98	4718767	512.37	ug/l	0.01
Spiked Amount 50.000	Range 49 - 140		Recovery = 1024.74%#			
62) 4-Bromofluorobenzene	12.638	95	1935131m	583.47	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 1166.94%#			
Target Compounds						Qvalue
16) Acetone	4.162	43	303145	749.49	ug/l	92
20) Methylene Chloride	4.973	84	43674	12.46	ug/l #	81
31) Cyclohexane	7.991	56	8578076	1748.86	ug/l #	80
39) Methylcyclohexane	9.356	83	29148823m	5308.83	ug/l	
40) Benzene	8.356	78	3601631	306.71	ug/l	96
48) Methyl methacrylate	9.550	41	2690295	1745.86	ug/l #	51
52) Toluene	10.403	92	28687964m	3749.62	ug/l	
56) Ethyl methacrylate	10.697	69	6921646	2516.42	ug/l #	62
67) Ethyl Benzene	11.738	91	31449379m	3315.35	ug/l	
68) m/p-Xylenes	11.850	106	24102718	6730.35	ug/l #	1
69) o-Xylene	12.191	106	23444554	7049.00	ug/l #	1
70) Styrene	12.202	104	1639234	288.75	ug/l #	1
73) Isopropylbenzene	12.491	105	18147009	587.88	ug/l	87
74) N-amyl acetate	12.291	43	14736332	2296.72	ug/l #	55
78) n-propylbenzene	12.820	91	27373155m	749.54	ug/l	
80) 1,3,5-Trimethylbenzene	12.991	105	11749560	457.02	ug/l	89
83) tert-Butylbenzene	13.279	119	12812209	588.13	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.261	105	31240006m	1224.24	ug/l	
85) sec-Butylbenzene	13.408	105	16480897	540.85	ug/l #	68
86) p-Isopropyltoluene	13.526	119	8826253	318.46	ug/l	96
89) n-Butylbenzene	13.849	91	15309820	575.60	ug/l #	74
95) Naphthalene	15.396	128	514796	36.75	ug/l #	95

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

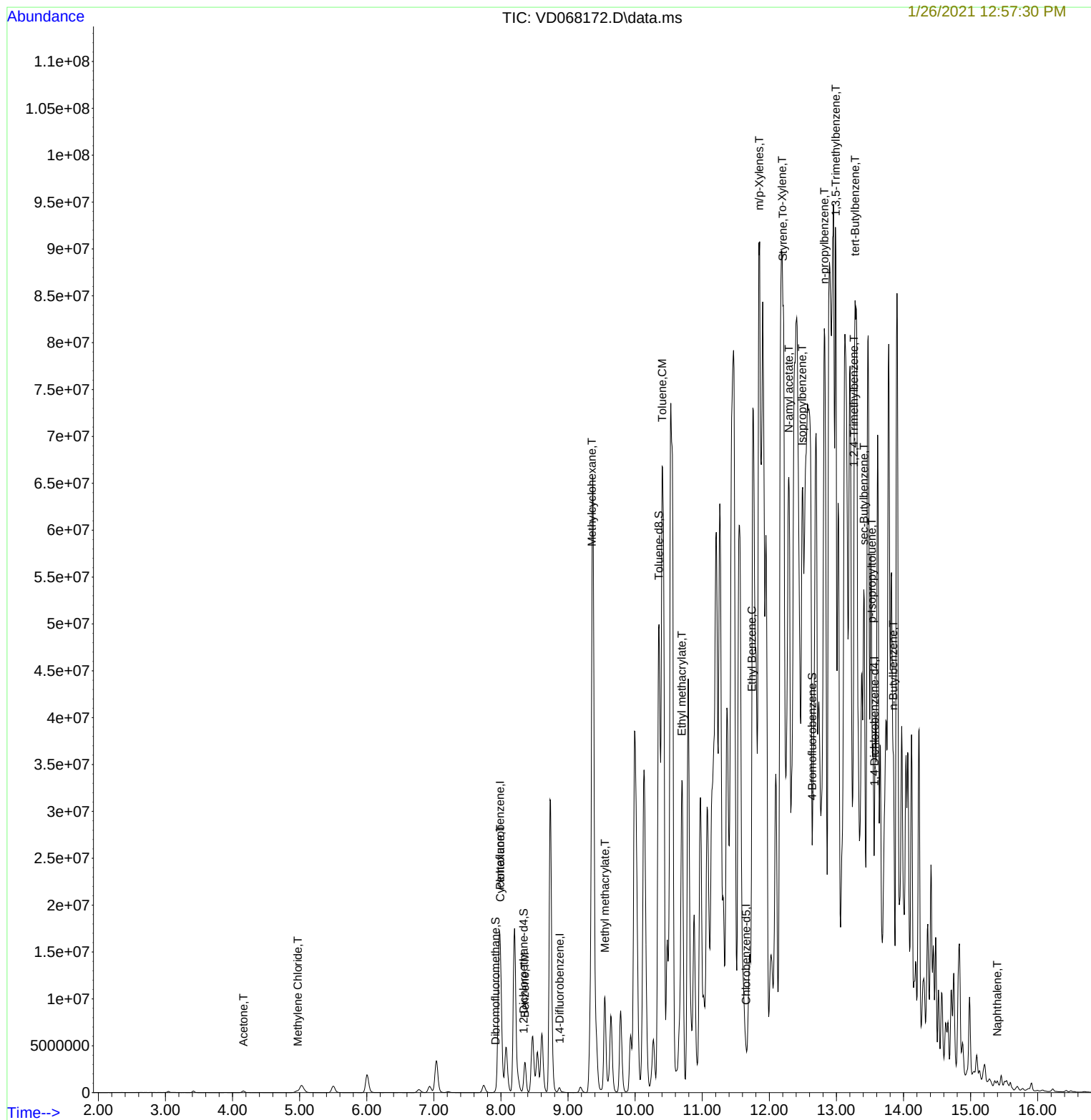
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068172.D
Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

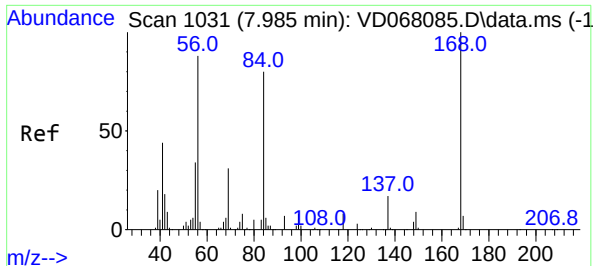
Instrument :
MSVOA_D
ClientSampleId :
PS-104

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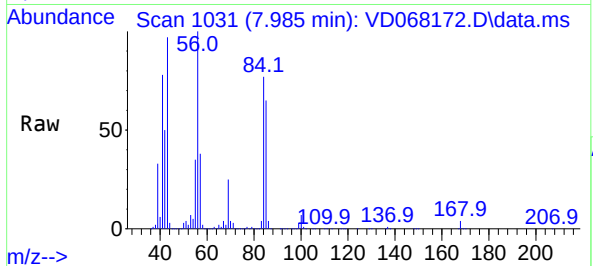
MMDadoda

Quant Time: Jan 26 00:09:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

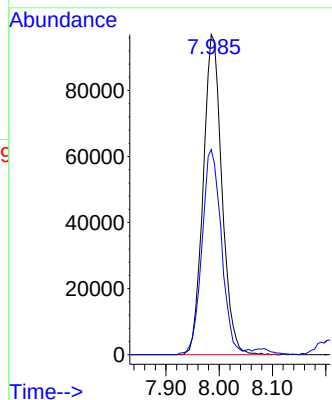




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24



Tgt Ion:168 Resp: 236799
Ion Ratio Lower Upper
168 100
99 63.6 43.5 65.3

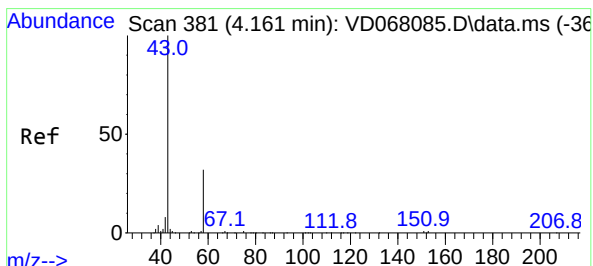


Instrument :
MSVOA_D
ClientSampleId :
PS-104

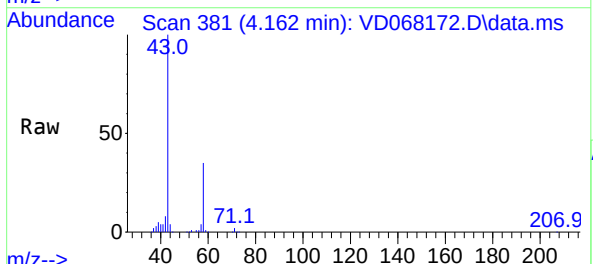
Manual Integrations
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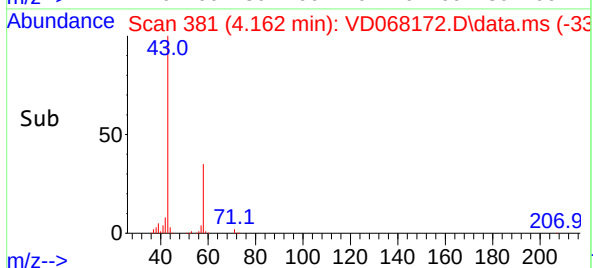
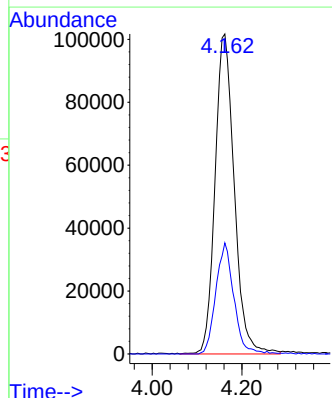
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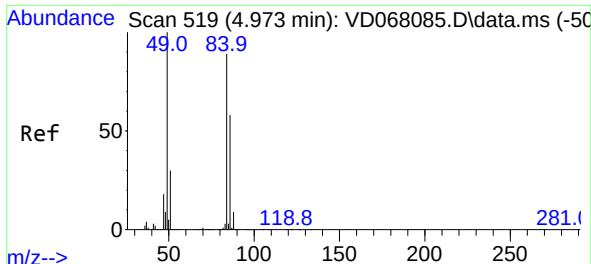


#16
Acetone
Concen: 749.49 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24



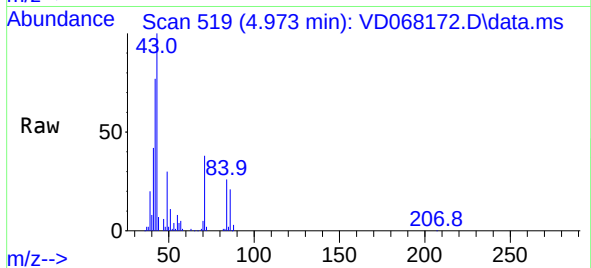
Tgt Ion: 43 Resp: 303145
Ion Ratio Lower Upper
43 100
58 34.7 24.2 36.4



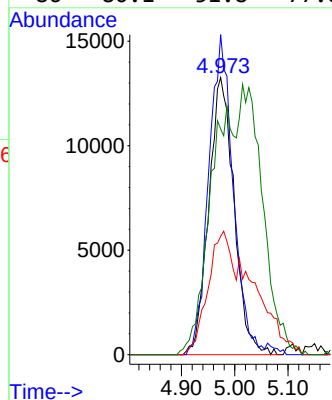


#20
Methylene Chloride
Concen: 12.46 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

Instrument :
MSVOA_D
ClientSampled :
PS-104



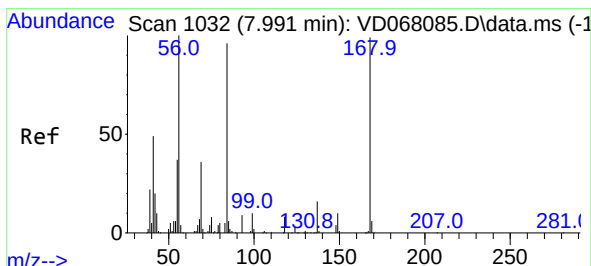
Tgt Ion:	84	Resp:	43674
Ion	Ratio	Lower	Upper
84	100		
49	115.4	77.4	116.2
51	42.7	26.1	39.1#
86	80.1	51.8	77.8#



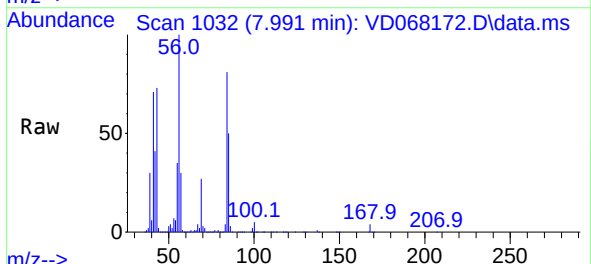
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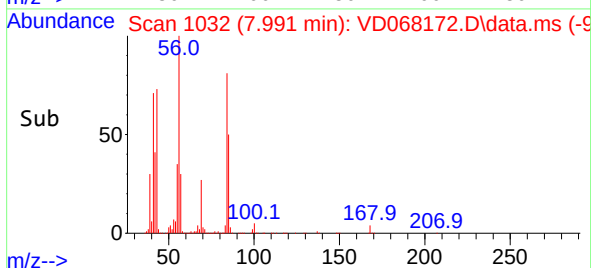
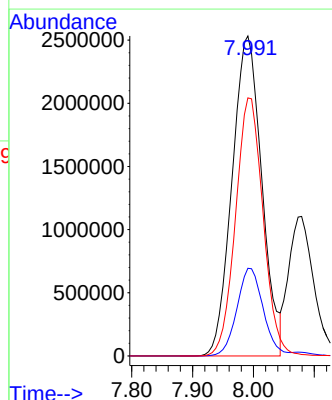
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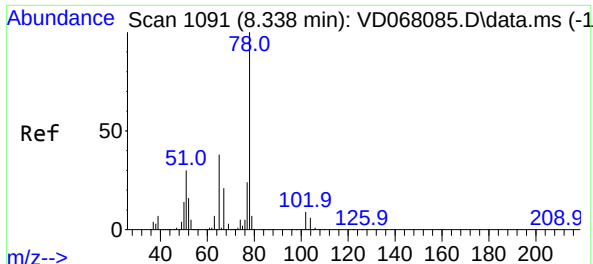


#31
Cyclohexane
Concen: 1748.86 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24



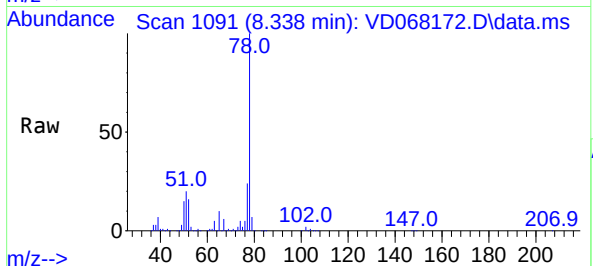
Tgt Ion:	56	Resp:	8578076
Ion	Ratio	Lower	Upper
56	100		
69	27.4	30.1	45.1#
84	80.7	82.1	123.1#





#33
1,2-Dichloroethane-d4
Concen: 63.60 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

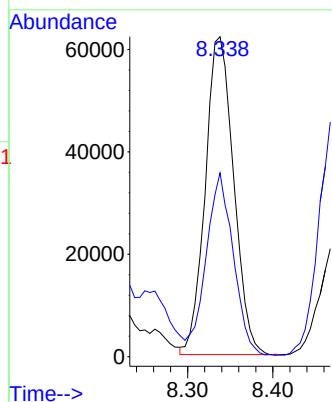
Instrument :
MSVOA_D
ClientSampled :
PS-104



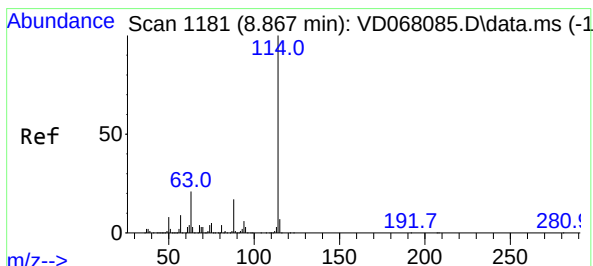
Tgt Ion: 65 Resp: 144077
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.0

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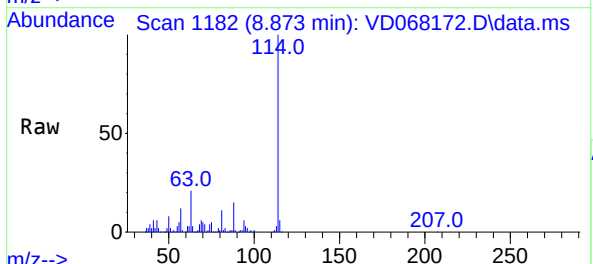
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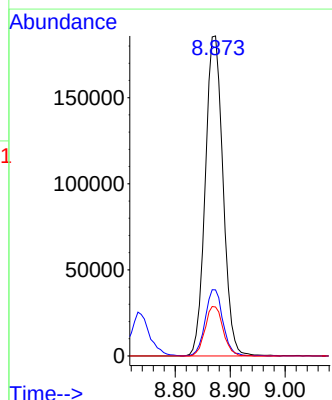
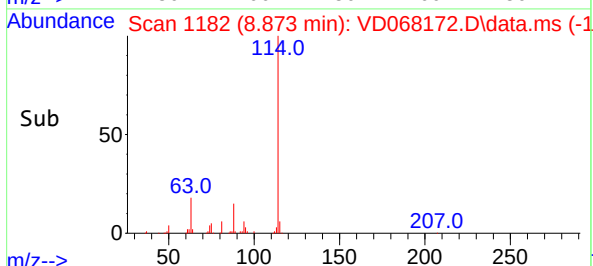
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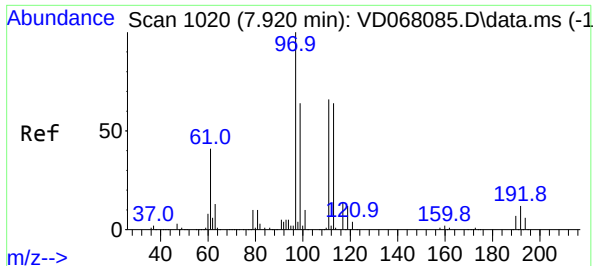


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.873 min Scan# 1182
Delta R.T. 0.006 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

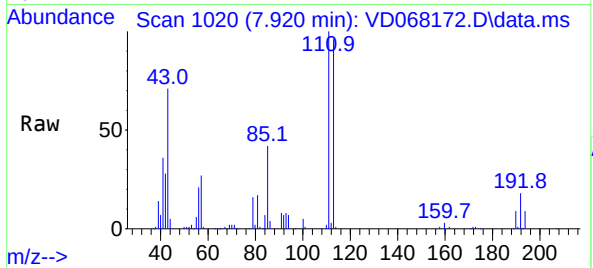


Tgt Ion: 114 Resp: 416463
Ion Ratio Lower Upper
114 100
63 20.6 0.0 34.8
88 15.3 0.0 31.6

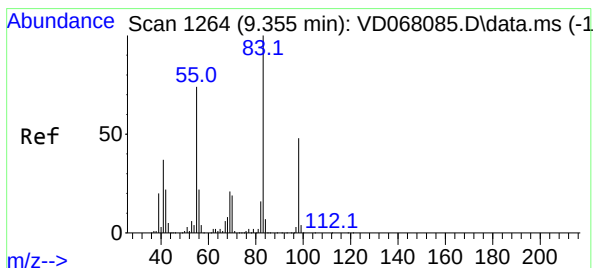
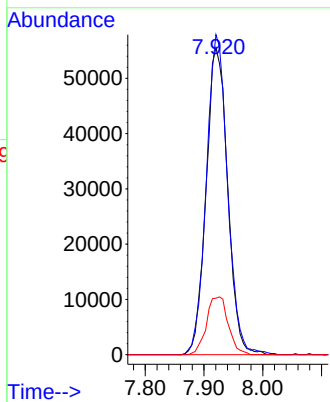
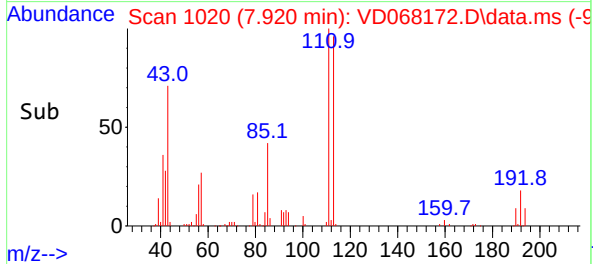




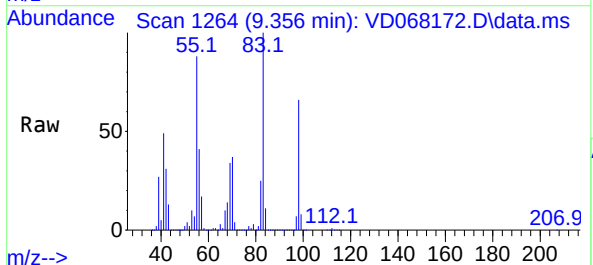
#35
Dibromofluoromethane
Concen: 61.58 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24



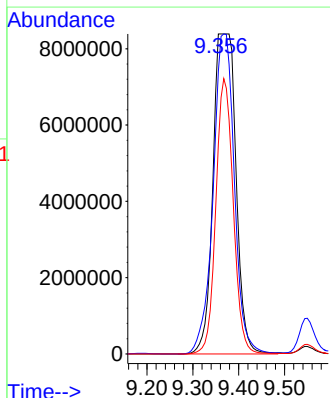
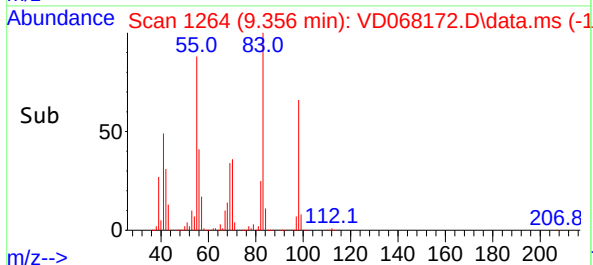
Tgt Ion:113 Resp: 141774
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 19.0 16.1 24.1



#39
Methylcyclohexane
Concen: 5308.83 ug/l m
RT: 9.356 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24



Tgt Ion: 83 Resp:29148823
Ion Ratio Lower Upper
83 100
55 88.3 55.2 82.8#
98 65.5 39.1 58.7#

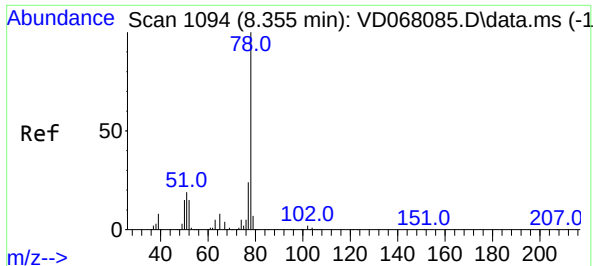


Instrument :
MSVOA_D
ClientSampleId :
PS-104

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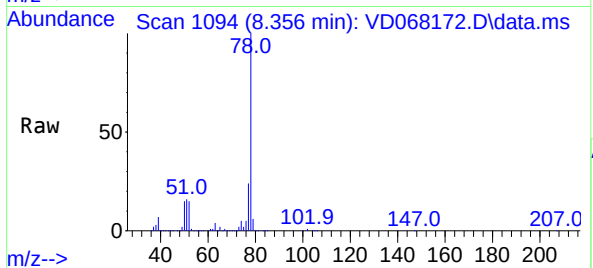
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#40
Benzene
Concen: 306.71 ug/l
RT: 8.356 min Scan# 1094
Delta R.T. 0.001 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

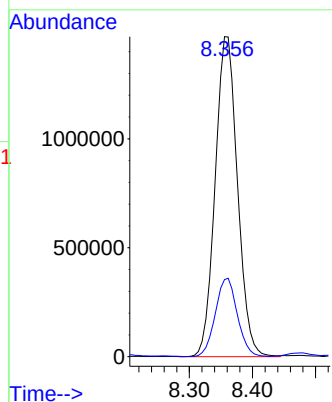
Instrument :
MSVOA_D
ClientSampled :
PS-104



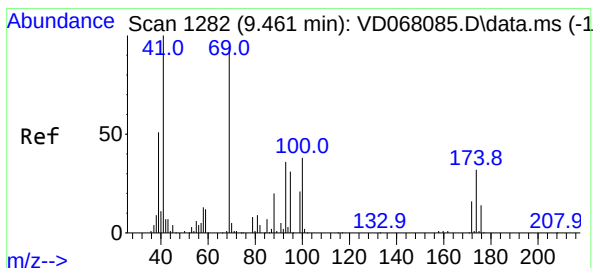
Tgt Ion: 78 Resp: 3601631
Ion Ratio Lower Upper
78 100
77 24.0 17.8 26.6

Manual Integrations
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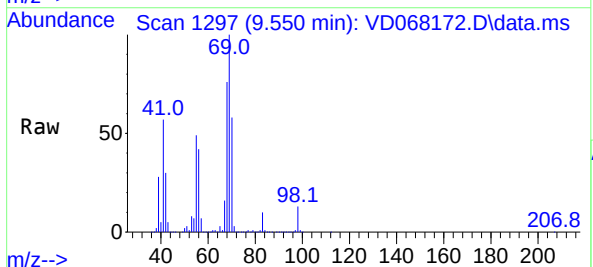
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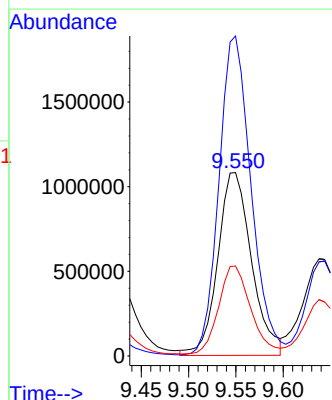
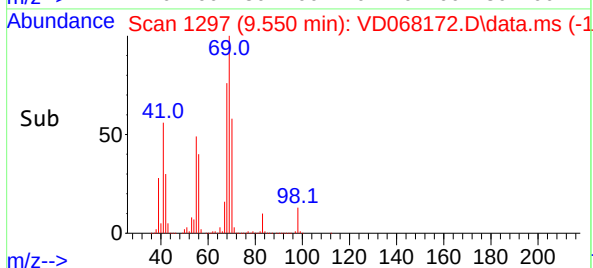
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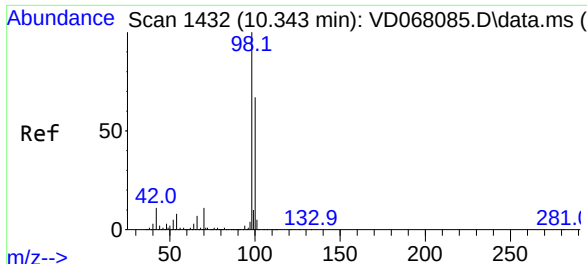


#48
Methyl methacrylate
Concen: 1745.86 ug/l
RT: 9.550 min Scan# 1297
Delta R.T. 0.089 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24



Tgt Ion: 41 Resp: 2690295
Ion Ratio Lower Upper
41 100
69 166.3 77.1 115.7#
39 47.3 41.5 62.3





#50
Toluene-d8
Concen: 512.37 ug/l
RT: 10.355 min Scan# 1434
Delta R.T. 0.012 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

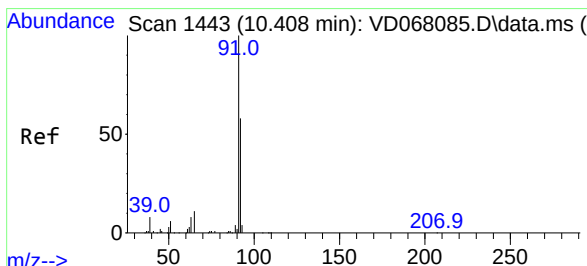
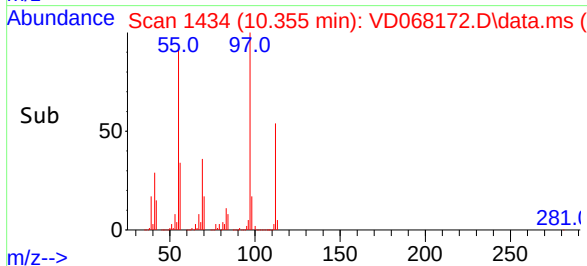
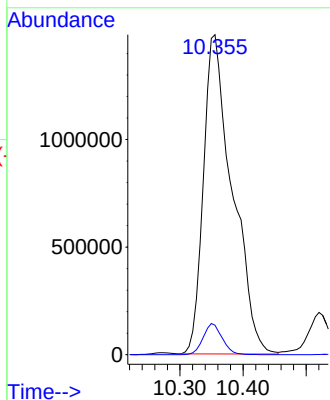
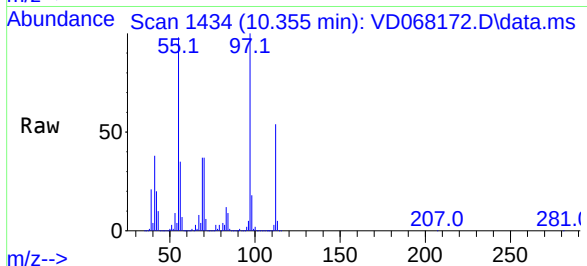
Tgt Ion: 98 Resp: 4718767
Ion Ratio Lower Upper
98 100
100 6.4 53.0 79.4#

Instrument :
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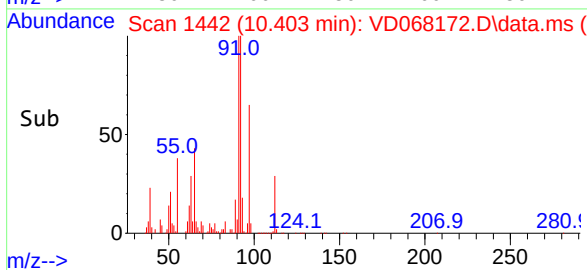
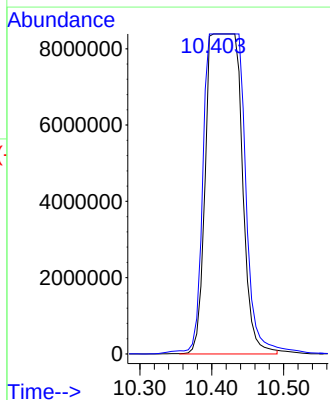
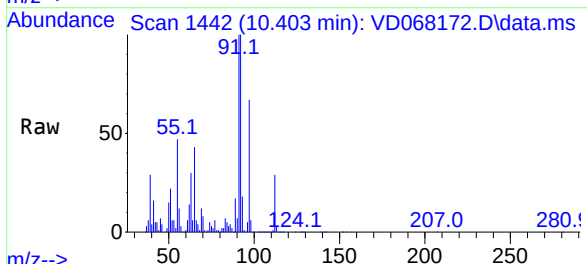
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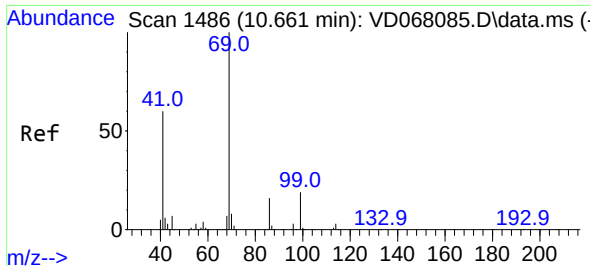
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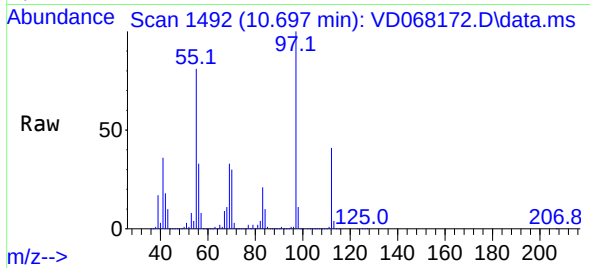
#52
Toluene
Concen: 3749.62 ug/l m
RT: 10.403 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

Tgt Ion: 92 Resp: 28687964
Ion Ratio Lower Upper
92 100
91 0.0 134.1 201.1#

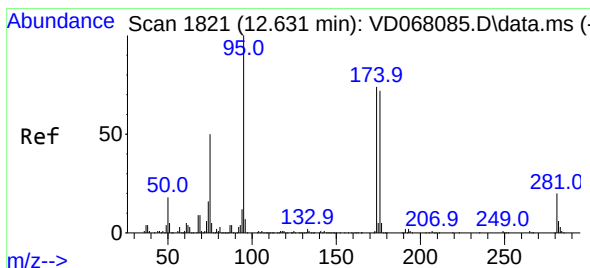
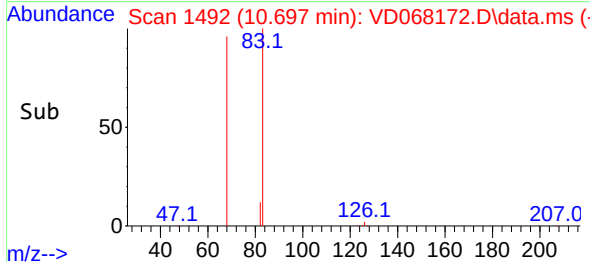
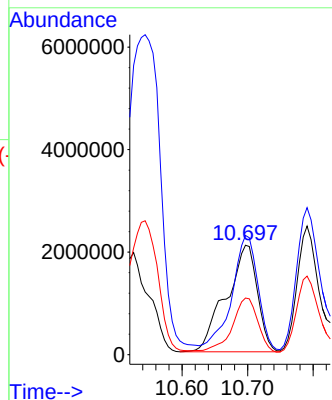




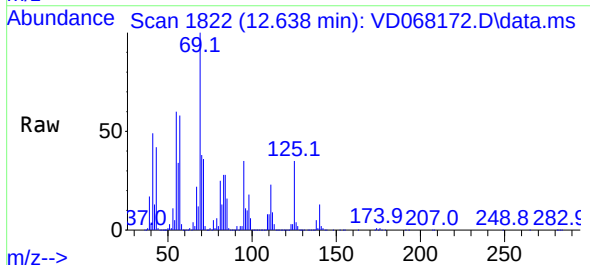
#56
Ethyl methacrylate
Concen: 2516.42 ug/l
RT: 10.697 min Scan# 1492
Delta R.T. 0.036 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24



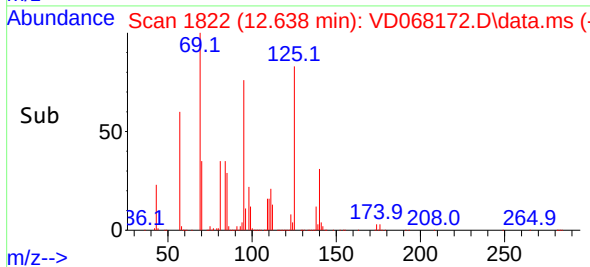
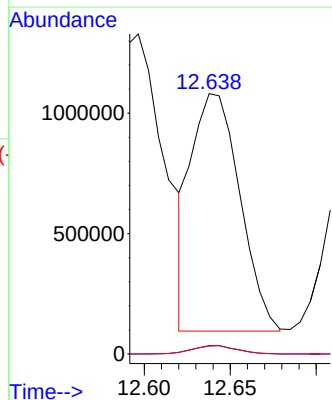
Tgt Ion: 69 Resp: 6921646
Ion Ratio Lower Upper
69 100
41 88.4 44.9 67.3#
39 41.1 21.9 32.9#



#62
4-Bromofluorobenzene
Concen: 583.47 ug/l m
RT: 12.638 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24



Tgt Ion: 95 Resp: 1935131
Ion Ratio Lower Upper
95 100
174 0.0 0.0 172.4
176 0.0 0.0 168.4

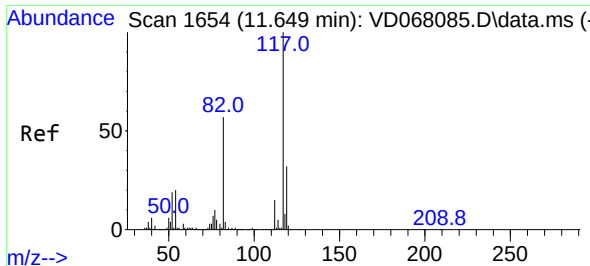


Instrument :
MSVOA_D
ClientSampled :
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Manual Integrations
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.655 min Scan# 1655
Delta R.T. 0.006 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

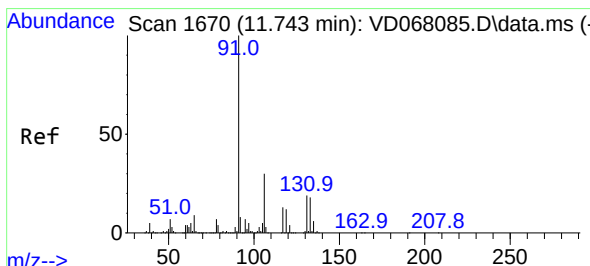
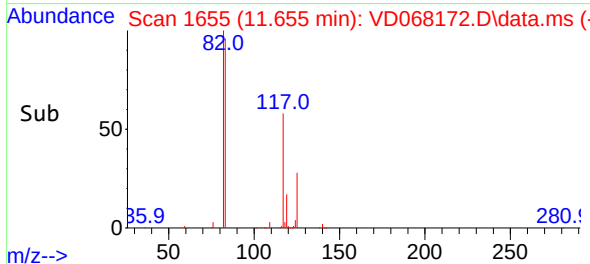
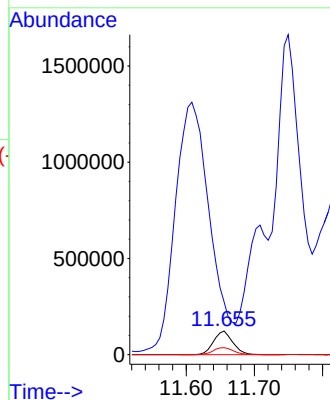
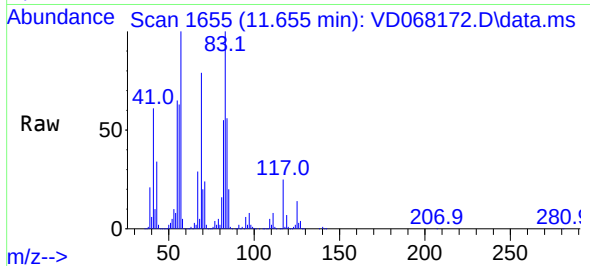
Tgt Ion: 117 Resp: 241120
Ion Ratio Lower Upper
117 100
82 0.0 41.4 62.0#
119 29.7 26.1 39.1

Instrument :
MSVOA_D
ClientSampleId :
PS-104

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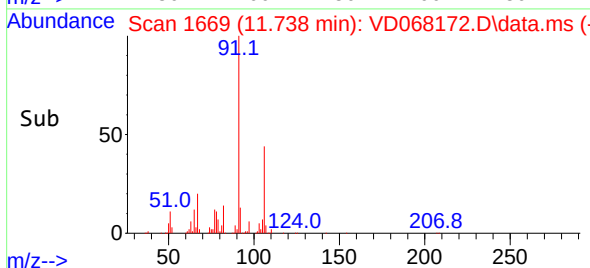
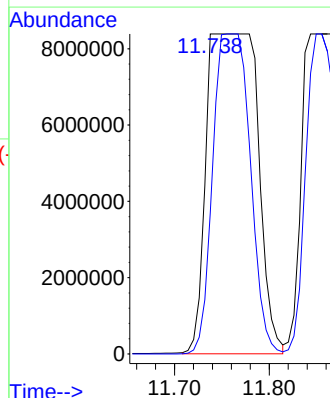
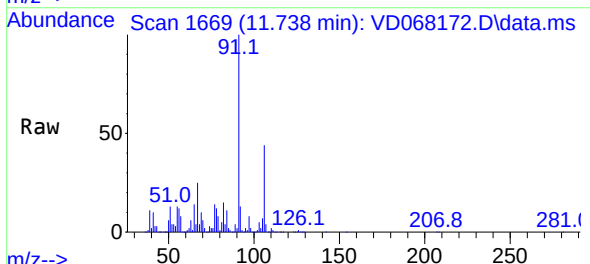
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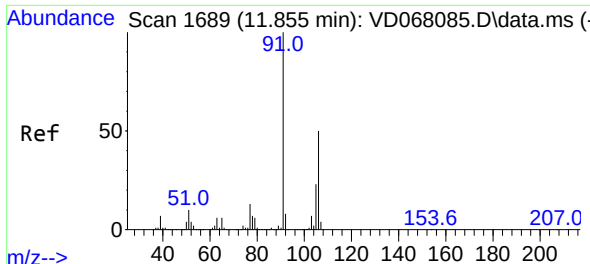
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#67
Ethyl Benzene
Concen: 3315.35 ug/l m
RT: 11.738 min Scan# 1669
Delta R.T. -0.005 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

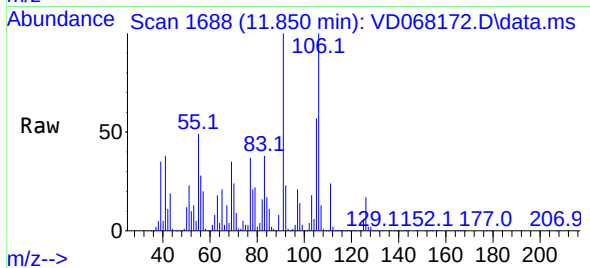
Tgt Ion: 91 Resp: 31449379
Ion Ratio Lower Upper
91 100
106 44.1 25.9 38.9#





#68
m/p-Xylenes
Concen: 6730.35 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

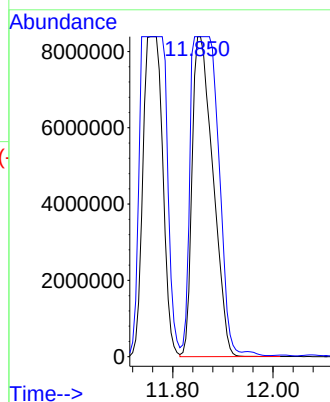
Instrument :
MSVOA_D
ClientSampled :
PS-104



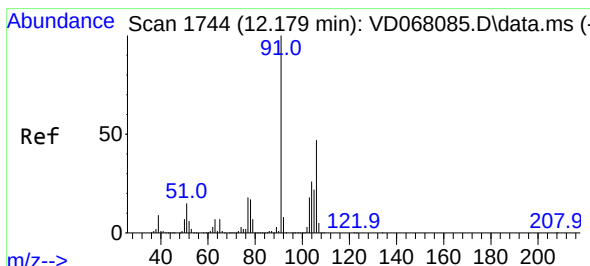
Tgt Ion:106 Resp:24102718
Ion Ratio Lower Upper
106 100
91 14.8 159.1 238.7#

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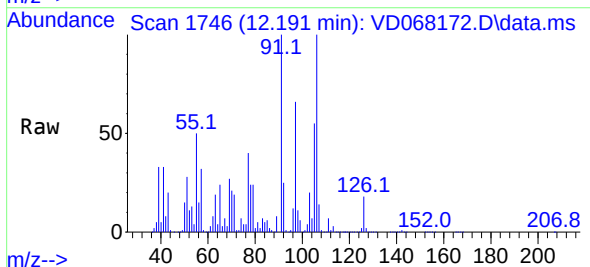
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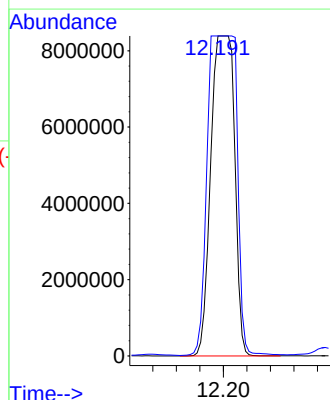
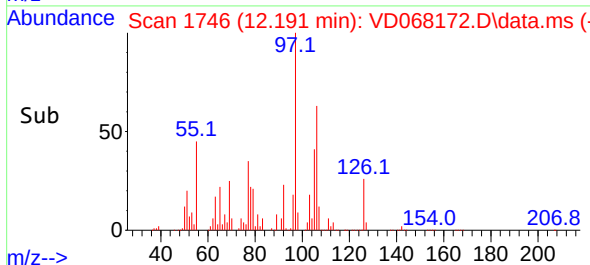
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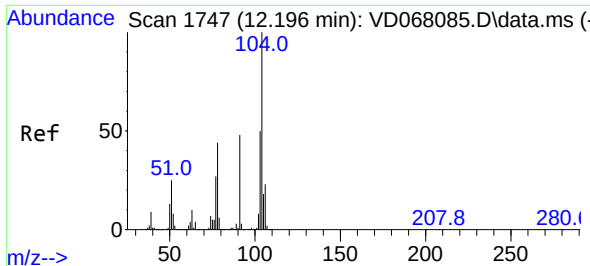


#69
o-Xylene
Concen: 7049.00 ug/l
RT: 12.191 min Scan# 1746
Delta R.T. 0.012 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24



Tgt Ion:106 Resp:23444554
Ion Ratio Lower Upper
106 100
91 0.0 108.7 325.9#





#70
Styrene
Concen: 288.75 ug/l
RT: 12.202 min Scan# 1748
Delta R.T. 0.006 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

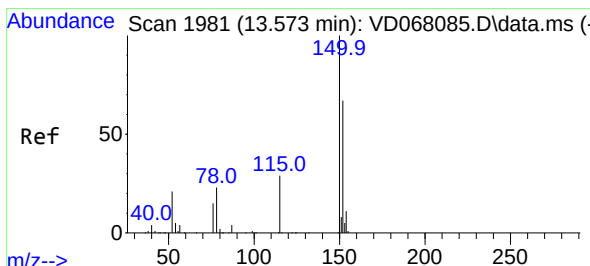
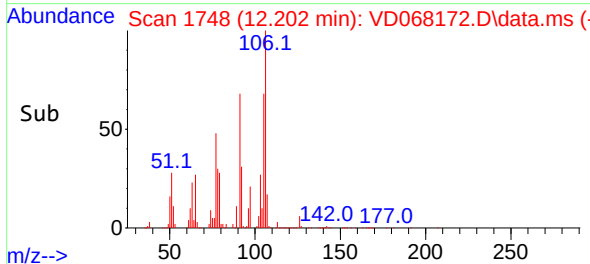
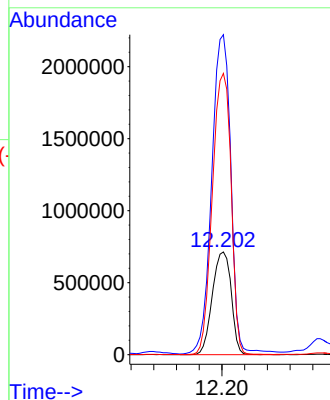
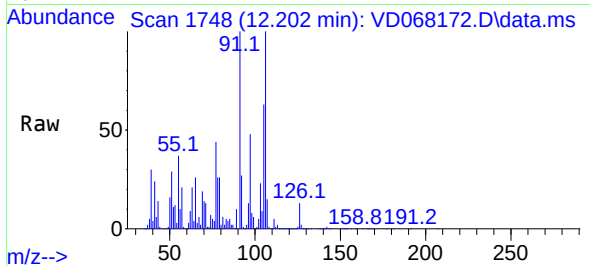
Tgt Ion:104 Resp: 1639234
Ion Ratio Lower Upper
104 100
78 315.9 38.2 57.2#
103 272.1 43.1 64.7#

Instrument :
MSVOA_D
ClientSampled :
PS-104

Manual Integrations
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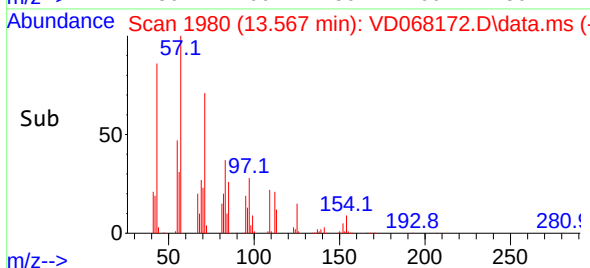
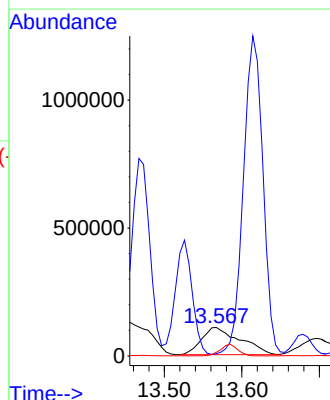
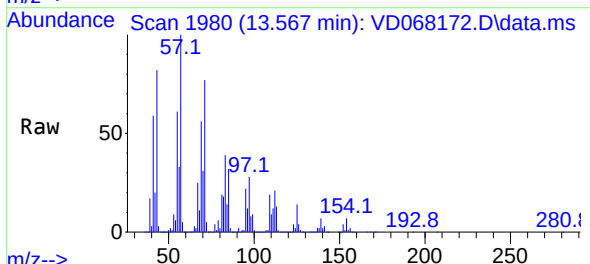
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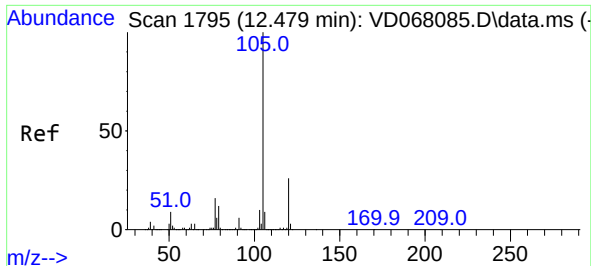
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

Tgt Ion:152 Resp: 370971
Ion Ratio Lower Upper
152 100
115 0.0 28.9 86.8#
150 19.0 0.0 344.4





#73
Isopropylbenzene
Concen: 587.88 ug/l
RT: 12.491 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

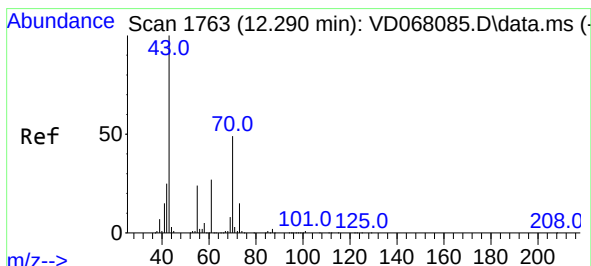
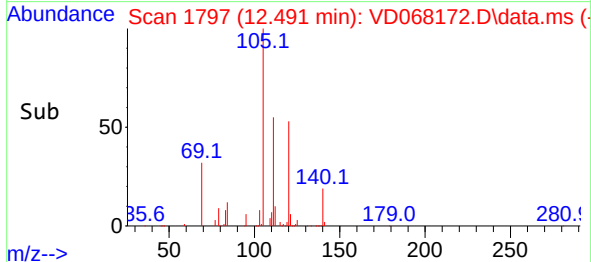
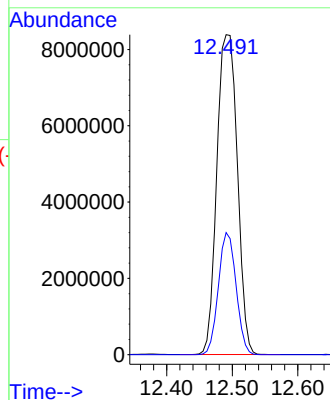
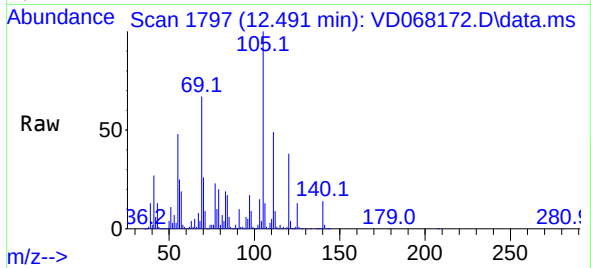
Tgt Ion:105 Resp:18147009
Ion Ratio Lower Upper
105 100
120 33.0 13.2 39.6

Instrument :
MSVOA_D
ClientSampled :
PS-104

Manual Integrations
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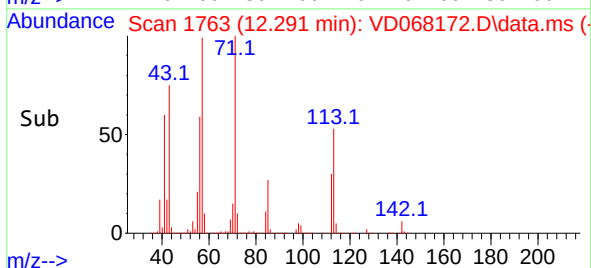
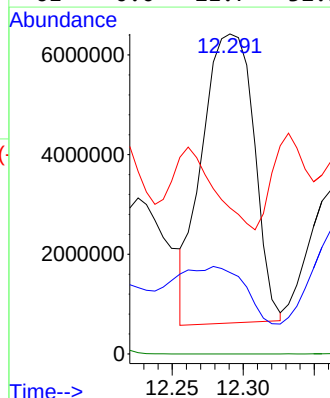
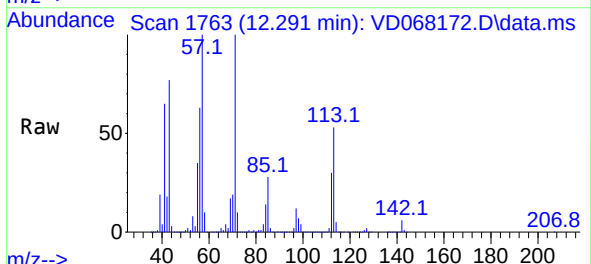
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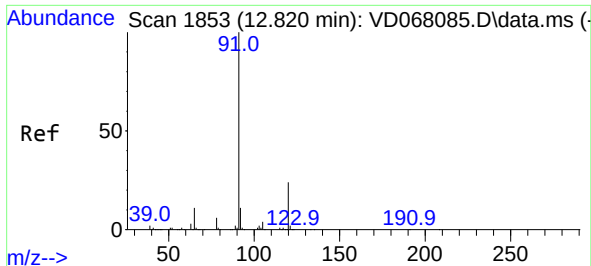
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#74
N-ethyl acetate
Concen: 2296.72 ug/l
RT: 12.291 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

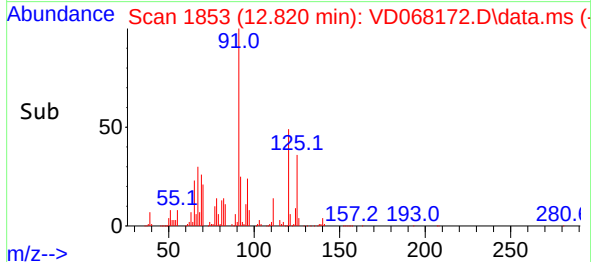
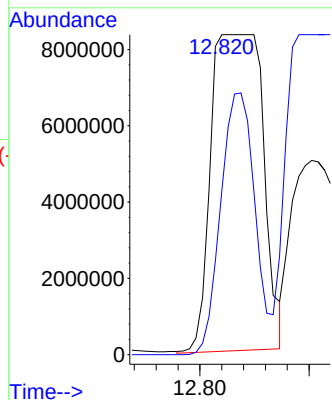
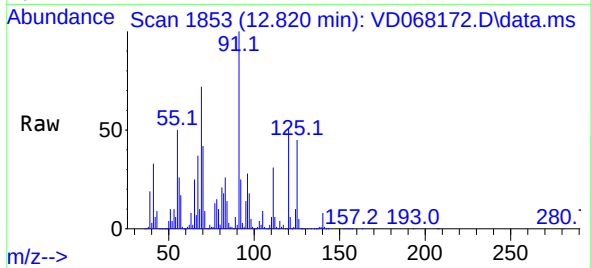
Tgt Ion: 43 Resp:14736332
Ion Ratio Lower Upper
43 100
70 27.2 41.8 62.8#
55 0.0 24.2 36.4#
61 0.0 21.7 32.5#





#78
n-propylbenzene
Concen: 749.54 ug/l m
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

Tgt Ion: 91 Resp:27373155
Ion Ratio Lower Upper
91 100
120 12.3 12.0 36.0

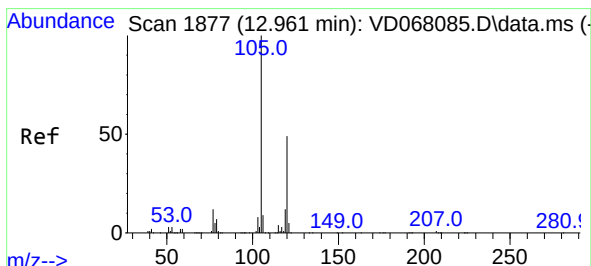


Instrument :
MSVOA_D
ClientSampled :
PS-104

Manual Integrations
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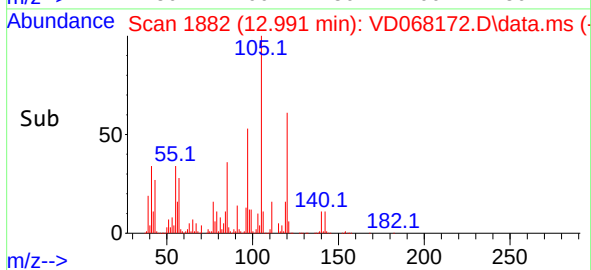
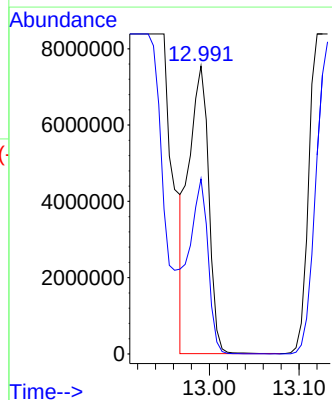
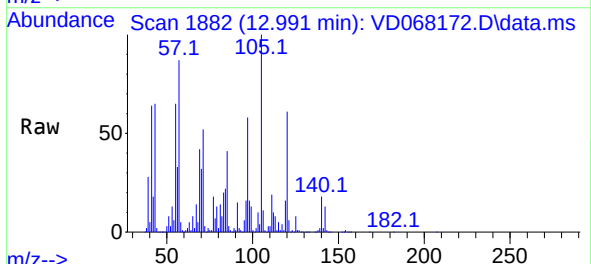
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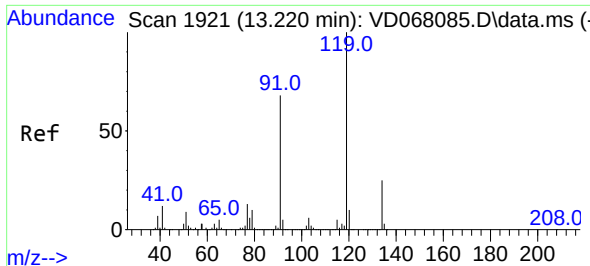
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#80
1,3,5-Trimethylbenzene
Concen: 457.02 ug/l
RT: 12.991 min Scan# 1882
Delta R.T. 0.030 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

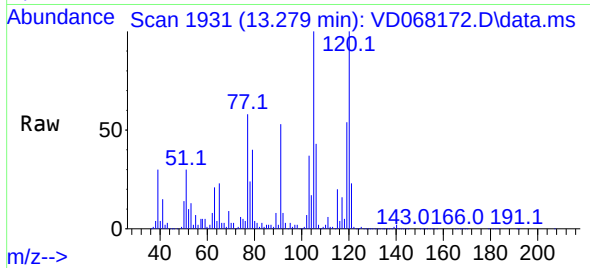
Tgt Ion:105 Resp:11749560
Ion Ratio Lower Upper
105 100
120 56.2 24.2 72.6





#83
tert-Butylbenzene
Concen: 588.13 ug/l
RT: 13.279 min Scan# 1931
Delta R.T. 0.059 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :
PS-104

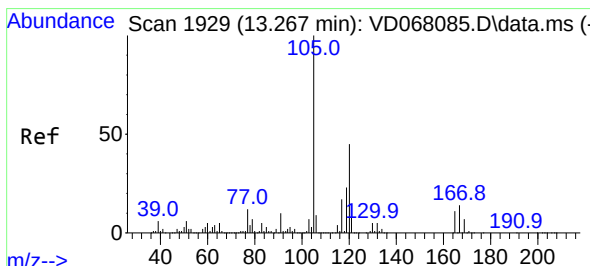
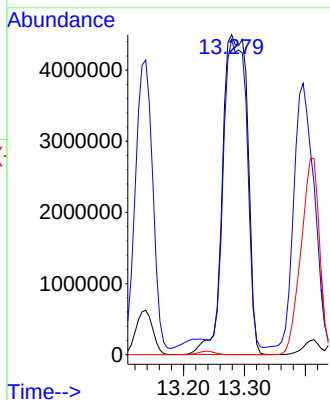
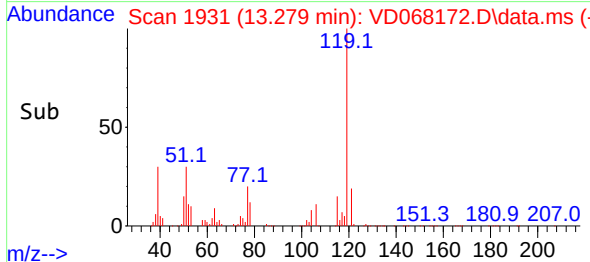


Tgt Ion:119 Resp:12812209
Ion Ratio Lower Upper
119 100
91 88.7 31.1 93.5
134 0.0 13.3 39.8#

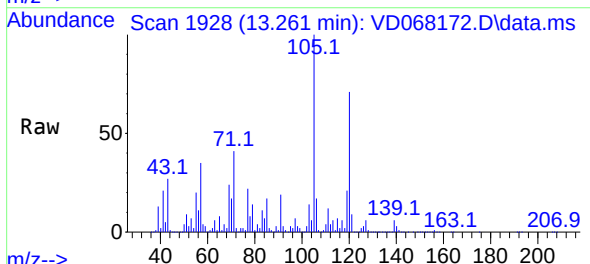
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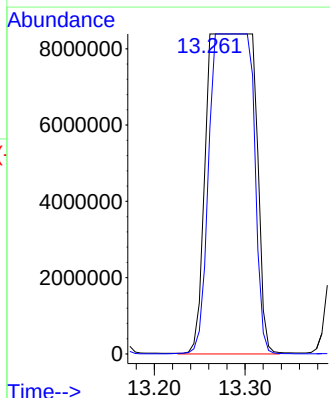
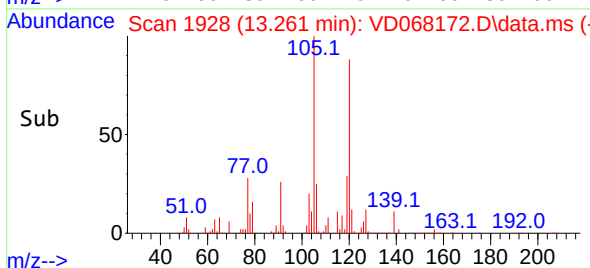
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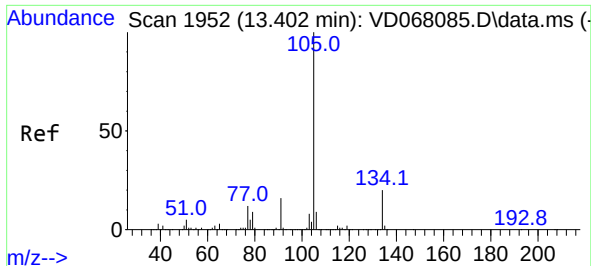


#84
1,2,4-Trimethylbenzene
Concen: 1224.24 ug/l m
RT: 13.261 min Scan# 1928
Delta R.T. -0.006 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24



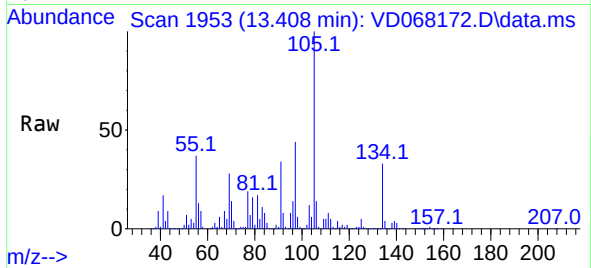
Tgt Ion:105 Resp:31240006
Ion Ratio Lower Upper
105 100
120 15.3 22.4 67.0#





#85
 sec-Butylbenzene
 Concen: 540.85 ug/l
 RT: 13.408 min Scan# 1953
 Delta R.T. 0.006 min
 Lab File: VD068172.D
 Acq: 25 Jan 2021 16:24

Instrument :
 MSVOA_D
 ClientSampled :
 PS-104

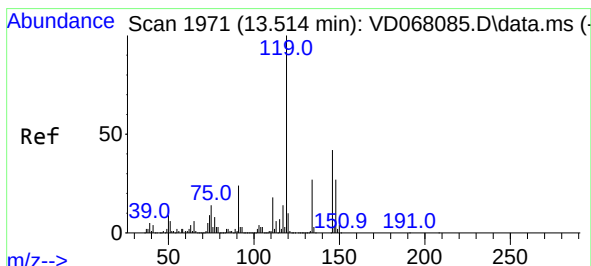
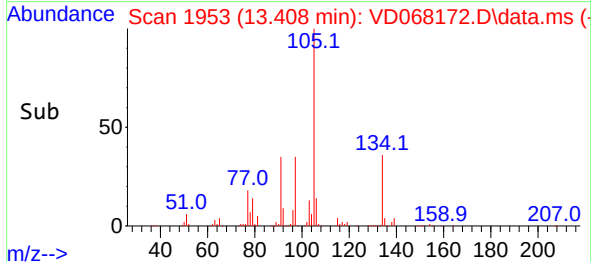
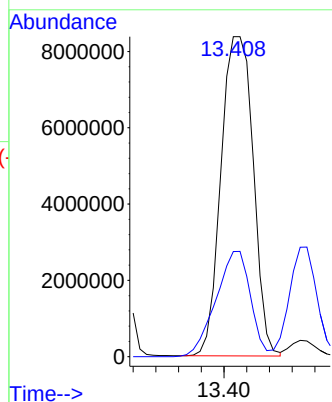


Tgt Ion:105 Resp:16480897
 Ion Ratio Lower Upper
 105 100
 134 35.3 10.3 30.9#

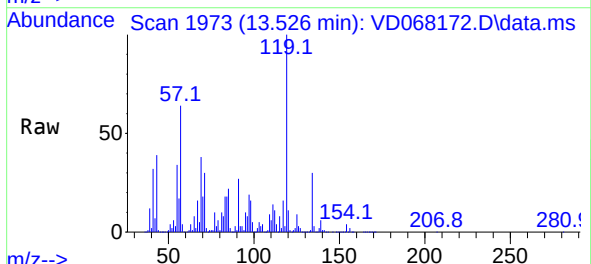
Manual Integrations
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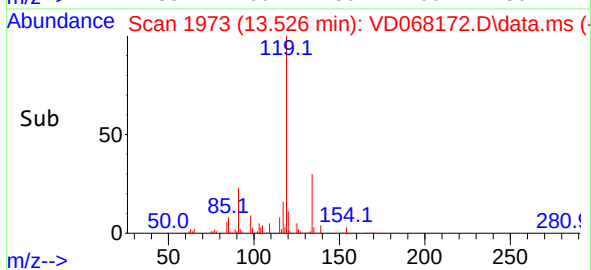
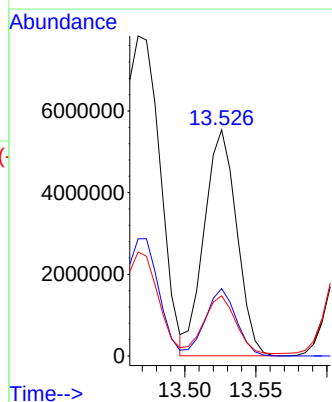
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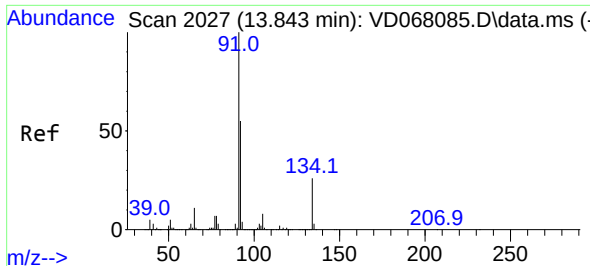


#86
 p-Isopropyltoluene
 Concen: 318.46 ug/l
 RT: 13.526 min Scan# 1973
 Delta R.T. 0.012 min
 Lab File: VD068172.D
 Acq: 25 Jan 2021 16:24



Tgt Ion:119 Resp: 8826253
 Ion Ratio Lower Upper
 119 100
 134 28.2 12.9 38.7
 91 24.7 11.7 35.0





#89
n-Butylbenzene
Concen: 575.60 ug/l
RT: 13.849 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

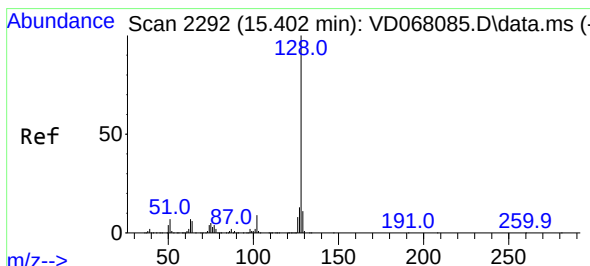
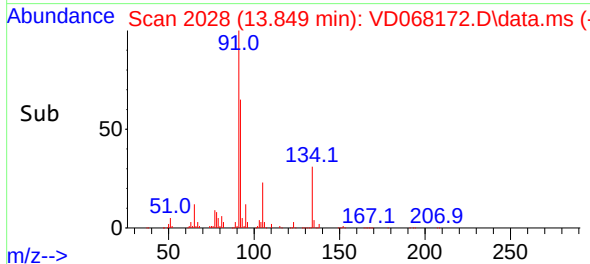
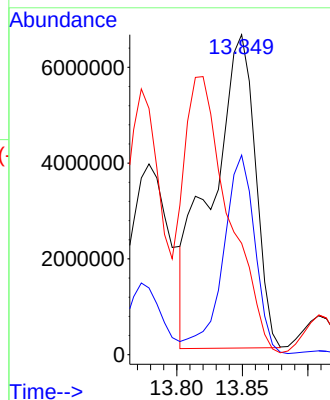
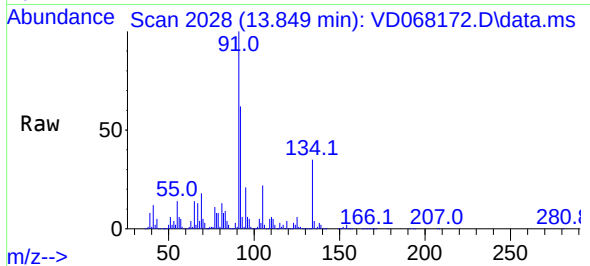
Tgt Ion: 91 Resp:15309820
Ion Ratio Lower Upper
91 100
92 45.9 27.2 81.6
134 0.0 13.9 41.7#

Instrument :
MSVOA_D
ClientSampleId :
PS-104

Manual Integrations
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#95
Naphthalene
Concen: 36.75 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.005 min
Lab File: VD068172.D
Acq: 25 Jan 2021 16:24

Tgt Ion:128 Resp: 514796
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.2
129 8.4 8.8 13.2#

