

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012221\
 Data File : VD068151.D
 Acq On : 22 Jan 2021 13:16
 Operator : VA/SY
 Sample : M1189-04
 Misc : 3.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 41047

Quant Time: Jan 22 23:58:25 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	559786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	979637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	808981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	276800	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	316457	59.10	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.20%
35) Dibromofluoromethane	7.920	113	291126	53.75	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.50%
50) Toluene-d8	10.343	98	1149994	53.08	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.16%
62) 4-Bromofluorobenzene	12.632	95	344497	44.16	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.32%

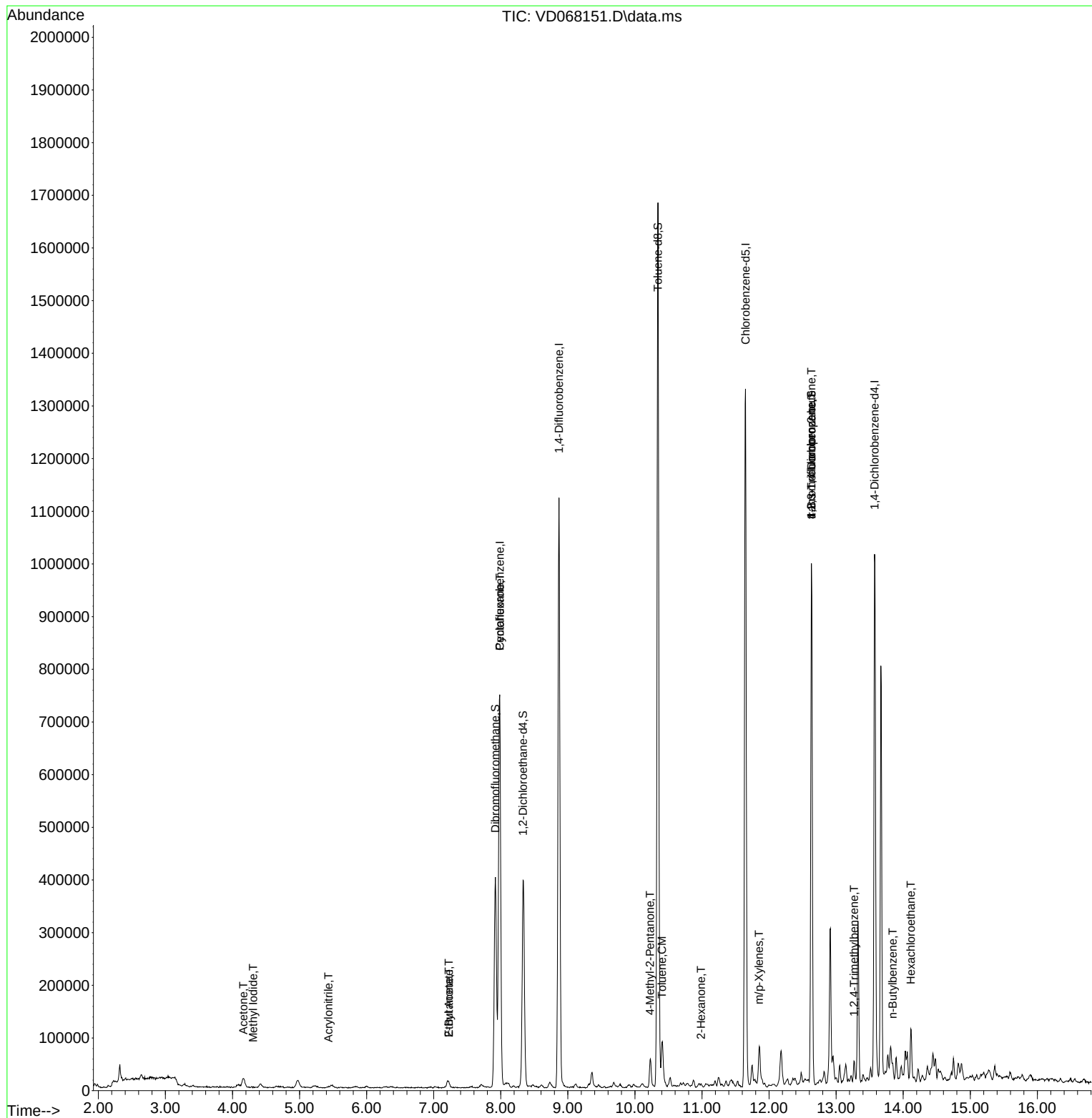
Target Compounds						Qvalue
10) Methyl Iodide	4.308	142	1415	3.35	ug/l #	58
11) Tert butyl alcohol	5.214	59	4653	Below	Cal #	94
15) Acrylonitrile	5.432	53	2057	1.69	ug/l #	43
16) Acetone	4.161	43	32547	34.04	ug/l	94
20) Methylene Chloride	4.973	84	12038	Below	Cal	93
25) 2-Butanone	7.226	43	12408	8.62	ug/l	90
31) Cyclohexane	7.985	56	19939	1.72	ug/l #	26
37) Ethyl Acetate	7.226	43	12408	3.55	ug/l #	82
51) 4-Methyl-2-Pentanone	10.226	43	35593	10.51	ug/l	98
52) Toluene	10.402	92	31372	1.74	ug/l	88
59) 2-Hexanone	10.985	43	2843	1.21	ug/l	86
68) m/p-Xylenes	11.849	106	18323	1.52	ug/l	99
76) 1,2,3-Trichloropropane	12.632	75	176802	66.06	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	176802	133.68	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.267	105	24228	1.27	ug/l	98
89) n-Butylbenzene	13.843	91	23149	1.17	ug/l #	69
90) Hexachloroethane	14.114	117	5383	1.44	ug/l #	22

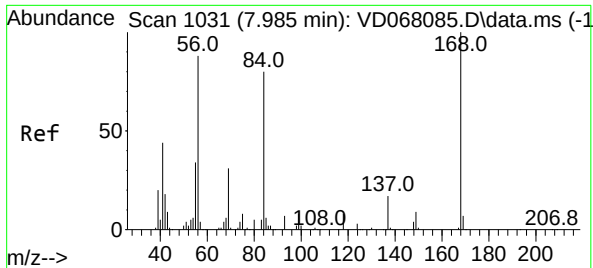
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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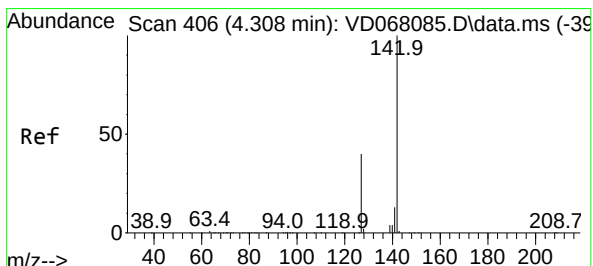
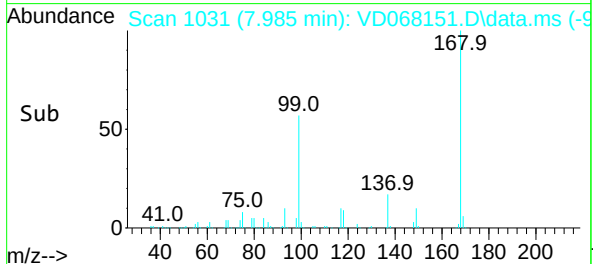
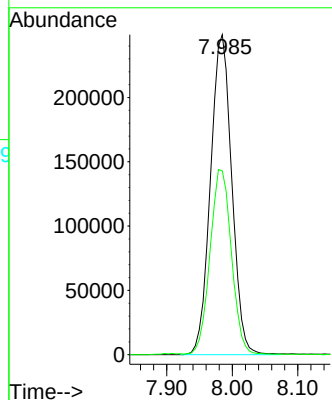
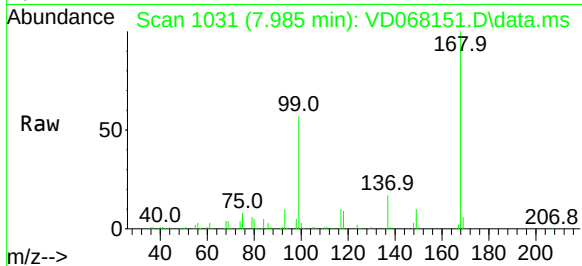




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

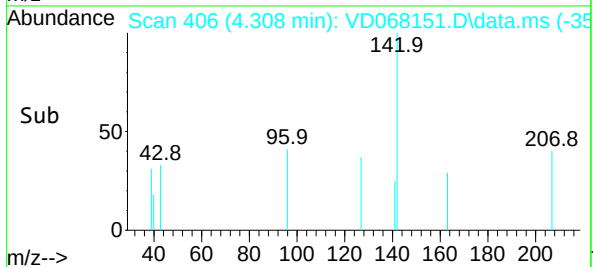
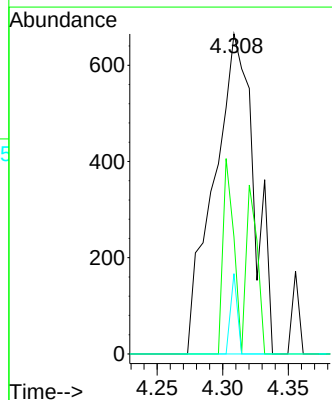
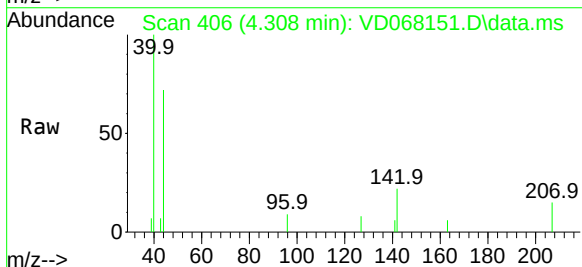
Instrument :
MSVOA_D
ClientSampled :
41047

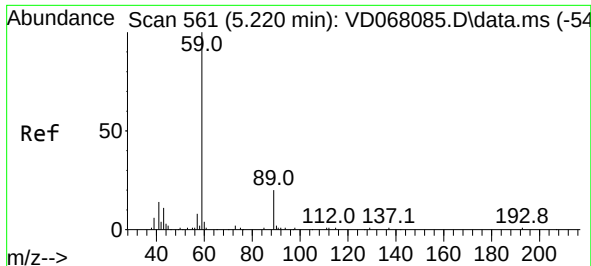
Tgt Ion:168 Resp: 559786
Ion Ratio Lower Upper
168 100
99 57.2 43.5 65.3



#10
Methyl Iodide
Concen: 3.35 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion:142 Resp: 1415
Ion Ratio Lower Upper
142 100
127 16.2 37.9 56.9#
141 4.2 11.5 17.3#



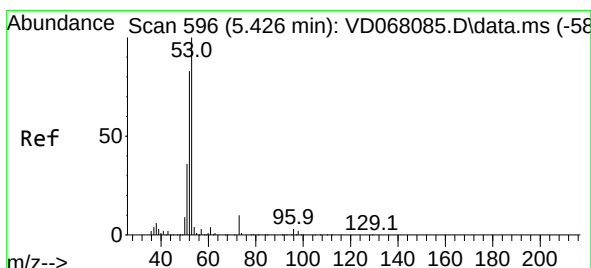
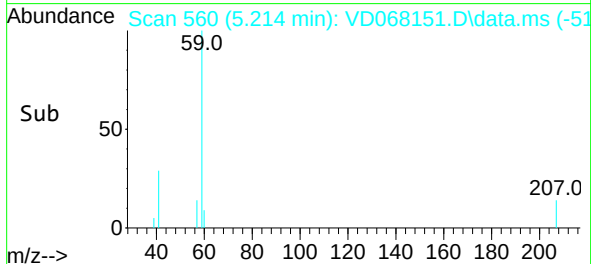
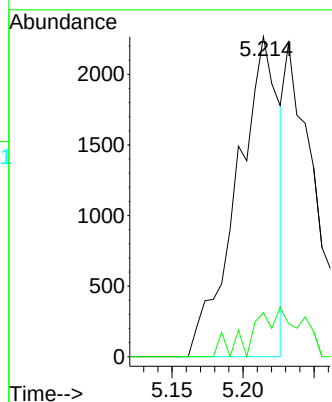
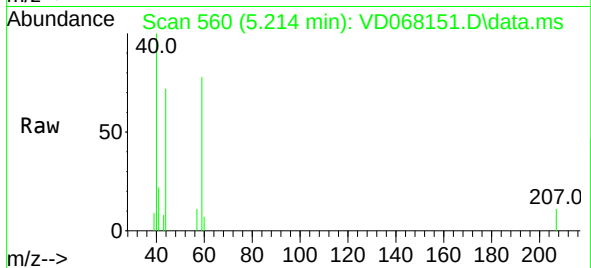


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Instrument :
MSVOA_D
ClientSampleId :
41047

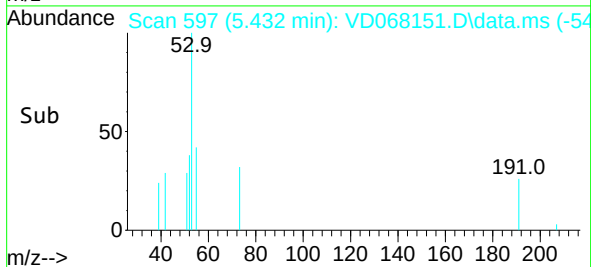
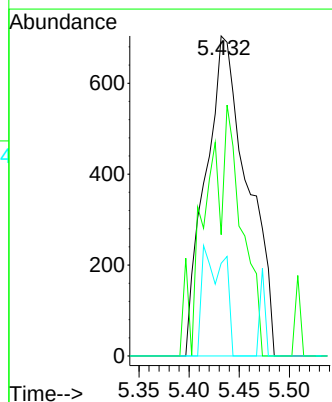
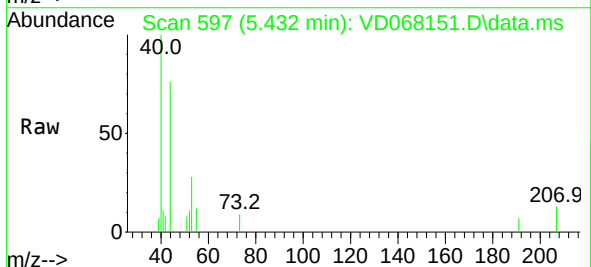
Tgt Ion: 59 Resp: 4653
Ion Ratio Lower Upper
59 100
57 7.2 7.4 11.2#

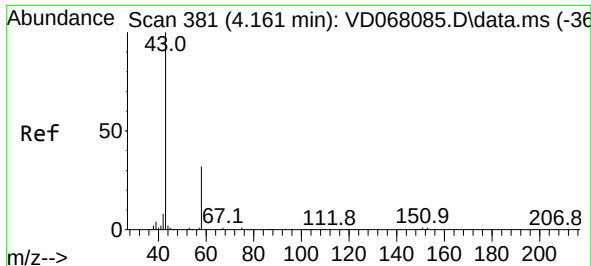


#15

Acrylonitrile
Concen: 1.69 ug/l
RT: 5.432 min Scan# 597
Delta R.T. 0.006 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 53 Resp: 2057
Ion Ratio Lower Upper
53 100
52 33.4 66.2 99.2#
51 0.0 29.0 43.4#

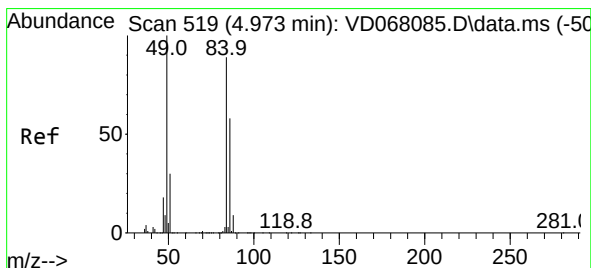
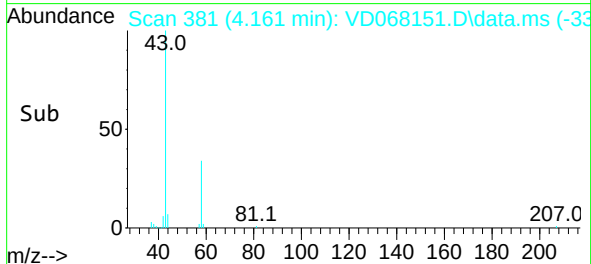
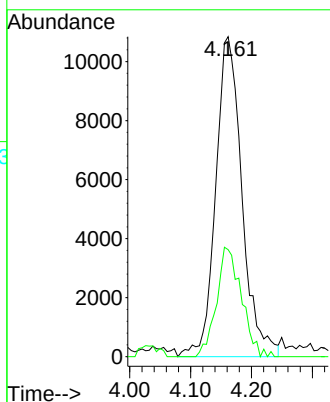
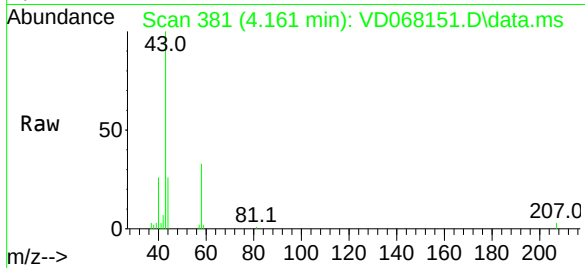




#16
Acetone
Concen: 34.04 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

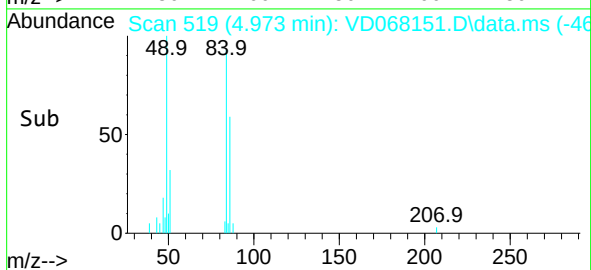
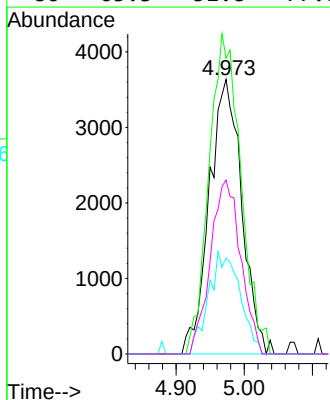
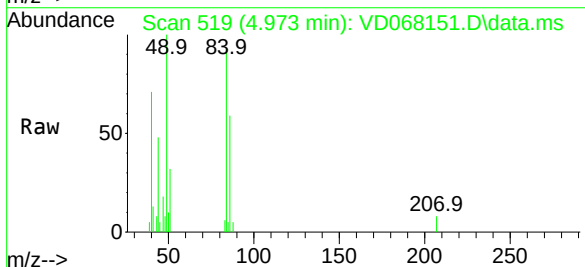
Instrument :
MSVOA_D
ClientSampleId :
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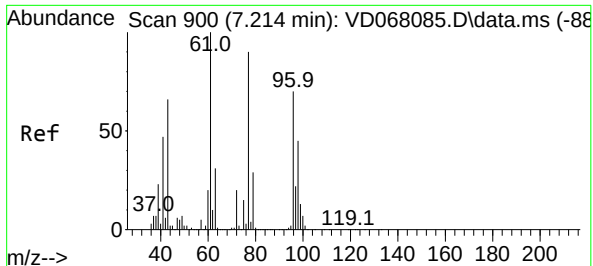
Tgt Ion: 43 Resp: 32547
Ion Ratio Lower Upper
43 100
58 33.4 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 84 Resp: 12038
Ion Ratio Lower Upper
84 100
49 107.7 77.4 116.2
51 34.9 26.1 39.1
86 63.3 51.8 77.8

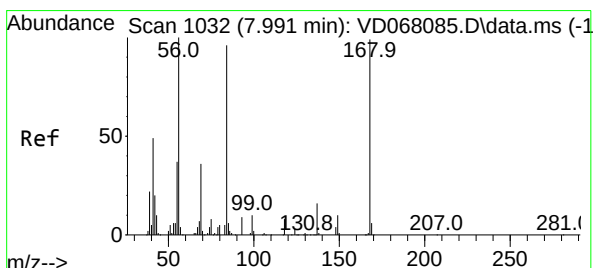
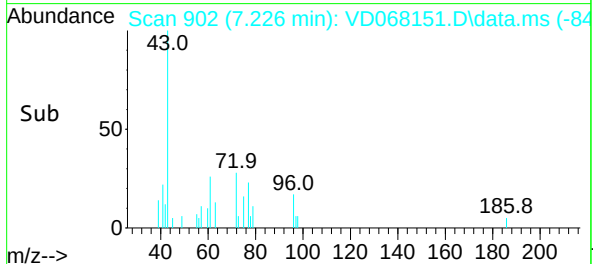
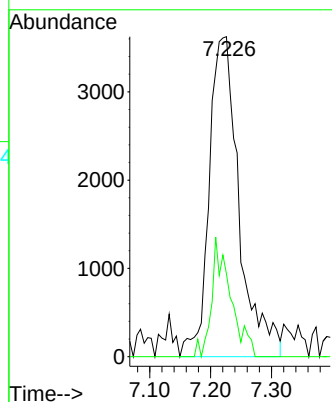
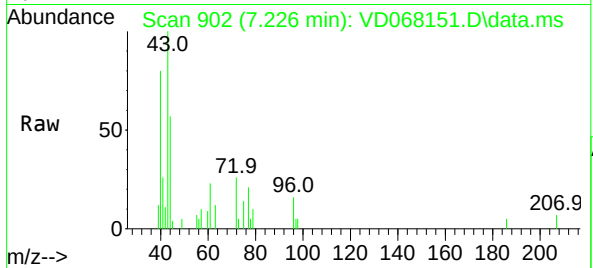




#25
2-Butanone
Concen: 8.62 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

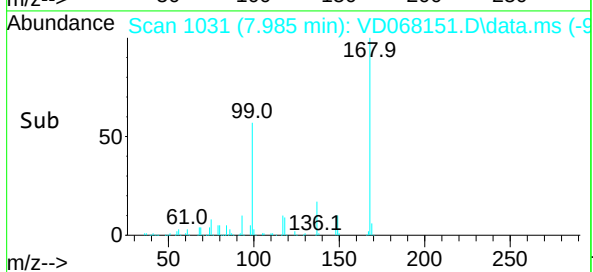
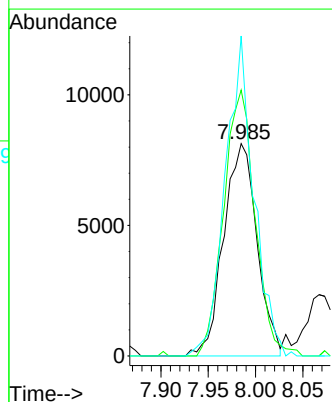
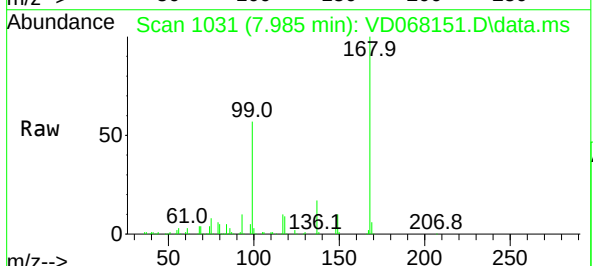
Instrument :
MSVOA_D
ClientSampled :
41047

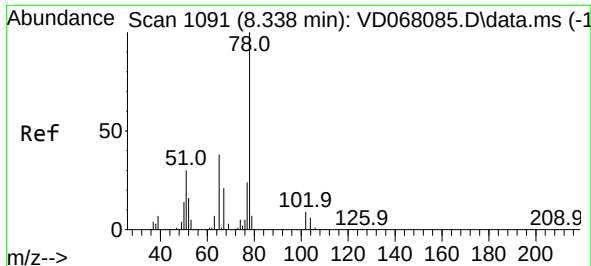
Tgt Ion: 43 Resp: 12408
Ion Ratio Lower Upper
43 100
72 25.9 25.1 37.7



#31
Cyclohexane
Concen: 1.72 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 56 Resp: 19939
Ion Ratio Lower Upper
56 100
69 125.2 30.1 45.1#
84 150.7 82.1 123.1#

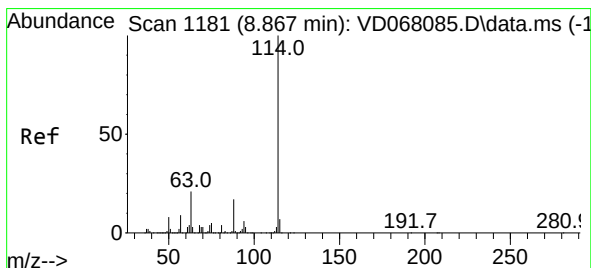
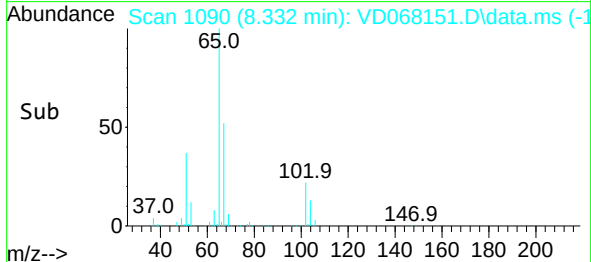
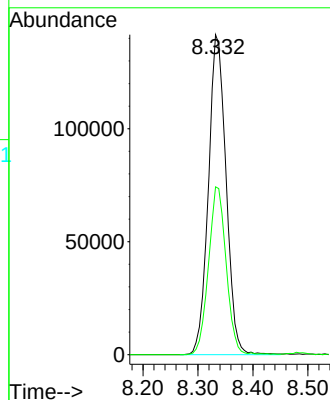
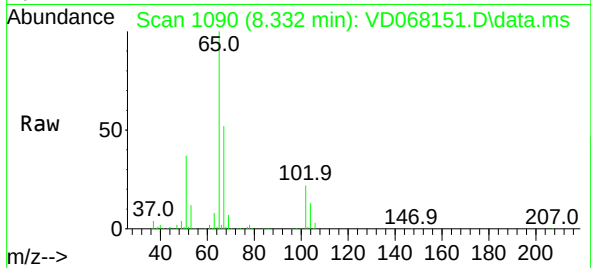




#33
 1,2-Dichloroethane-d4
 Concen: 59.10 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.006 min
 Lab File: VD068151.D
 Acq: 22 Jan 2021 13:16

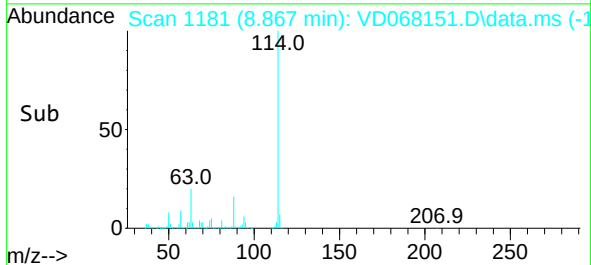
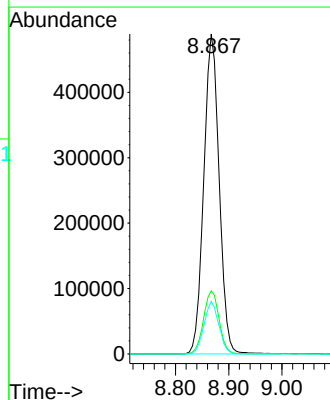
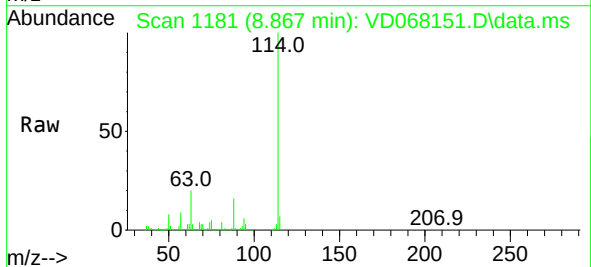
Instrument :
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 ClientSampleId :
 41047

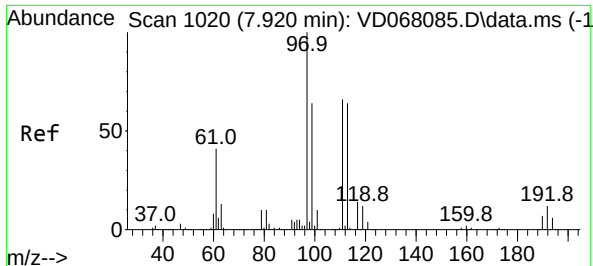
Tgt Ion: 65 Resp: 316457
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068151.D
 Acq: 22 Jan 2021 13:16

Tgt Ion: 114 Resp: 979637
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 34.8
 88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.75 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068151.D

Acq: 22 Jan 2021 13:16

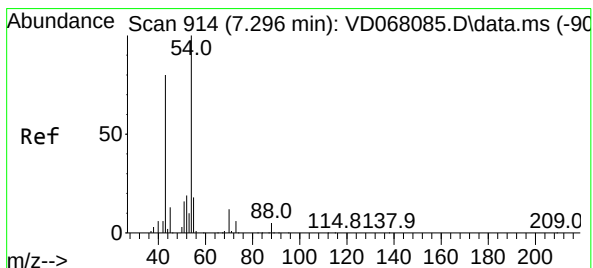
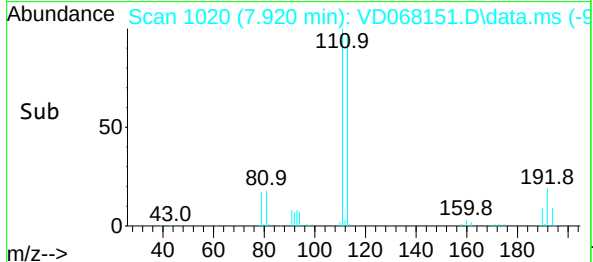
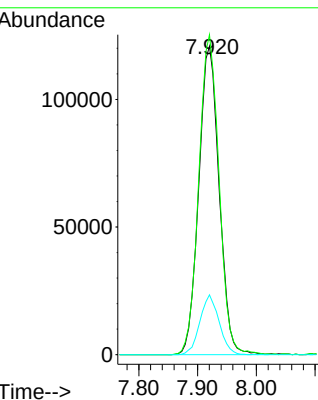
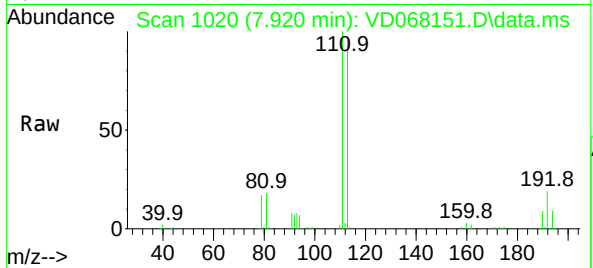
Tgt Ion:113 Resp: 291126

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 18.3 16.1 24.1



#37

Ethyl Acetate

Concen: 3.55 ug/l

RT: 7.226 min Scan# 902

Delta R.T. -0.070 min

Lab File: VD068151.D

Acq: 22 Jan 2021 13:16

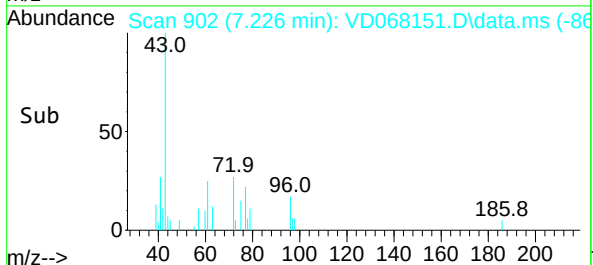
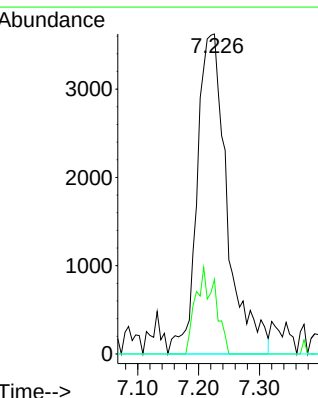
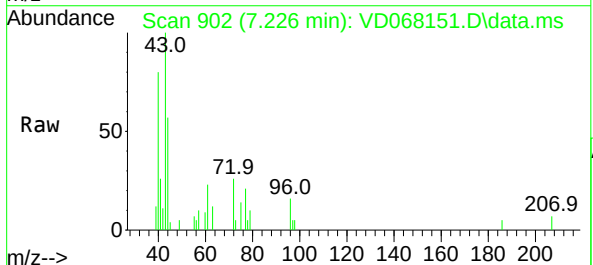
Tgt Ion: 43 Resp: 12408

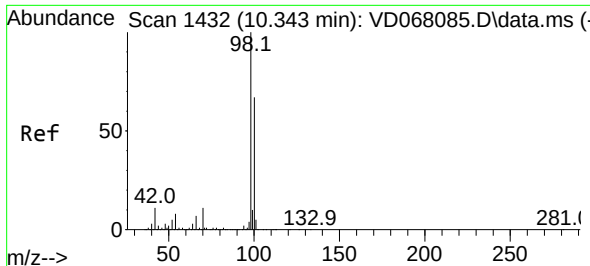
Ion Ratio Lower Upper

43 100

61 17.7 12.9 19.3

70 0.0 11.0 16.6#

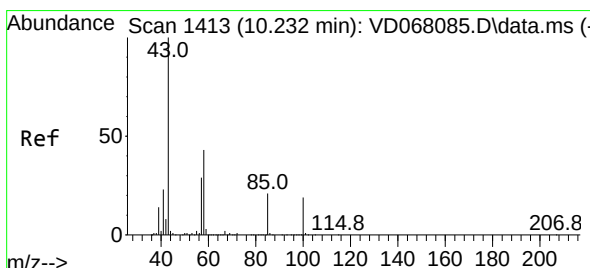
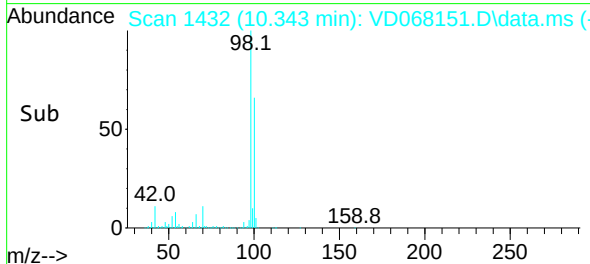
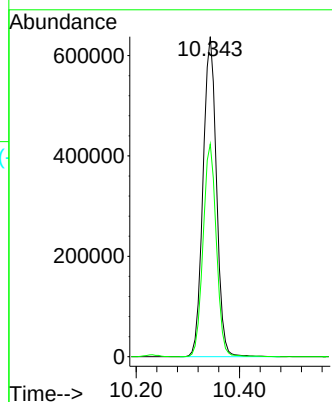
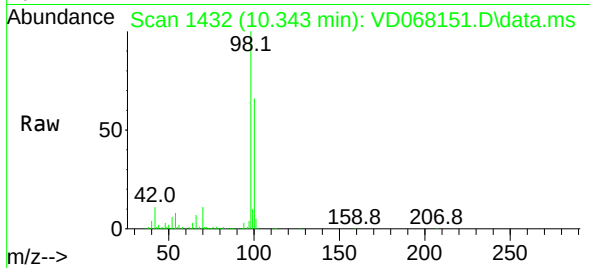




#50
Toluene-d8
Concen: 53.08 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

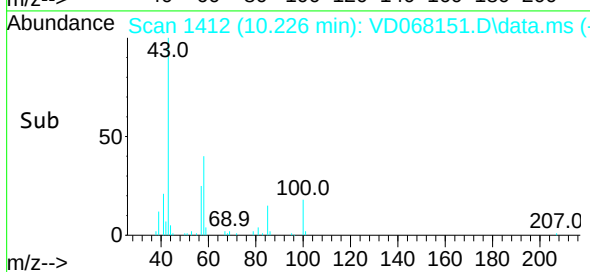
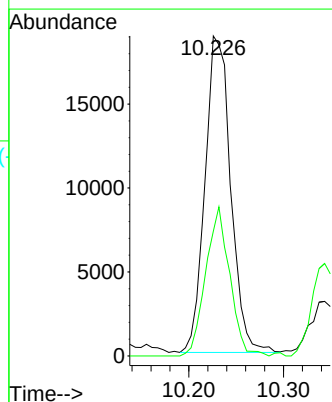
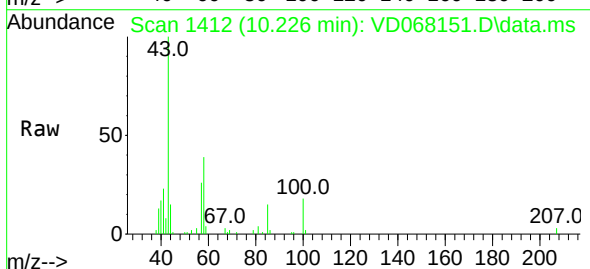
Instrument :
MSVOA_D
ClientSampleId :
41047

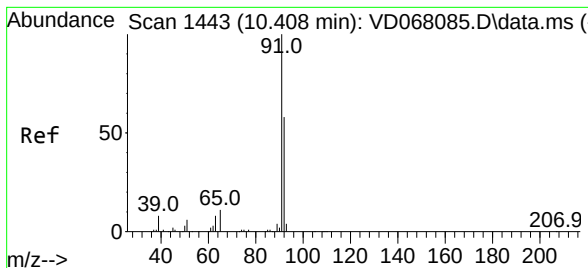
Tgt Ion: 98 Resp: 1149994
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 10.51 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 43 Resp: 35593
Ion Ratio Lower Upper
43 100
58 43.9 36.1 54.1





#52

Toluene

Concen: 1.74 ug/l

RT: 10.402 min Scan# 1442

Delta R.T. -0.006 min

Lab File: VD068151.D

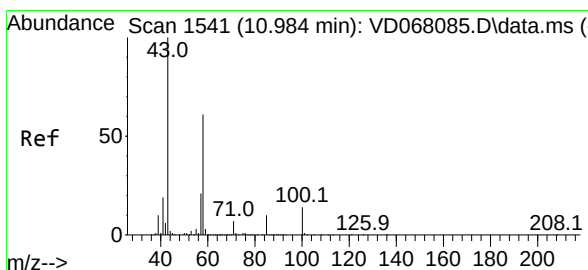
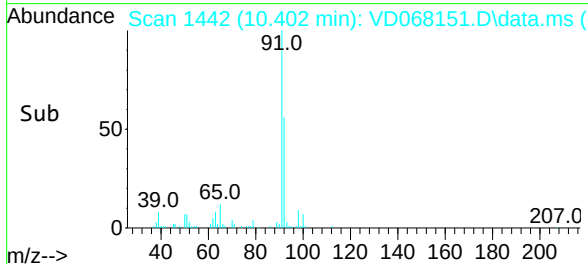
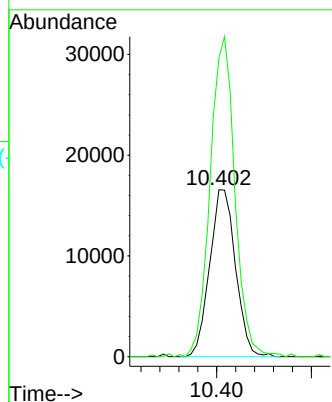
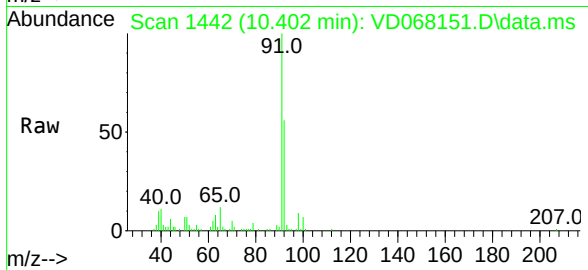
Acq: 22 Jan 2021 13:16

Tgt Ion: 92 Resp: 31372

Ion Ratio Lower Upper

92 100

91 184.1 134.1 201.1



#59

2-Hexanone

Concen: 1.21 ug/l

RT: 10.985 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VD068151.D

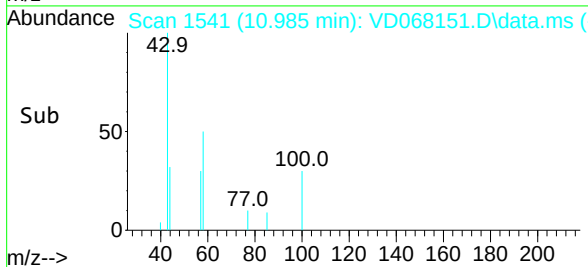
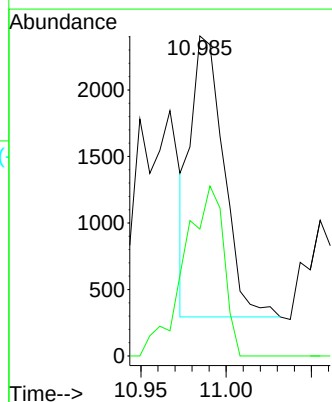
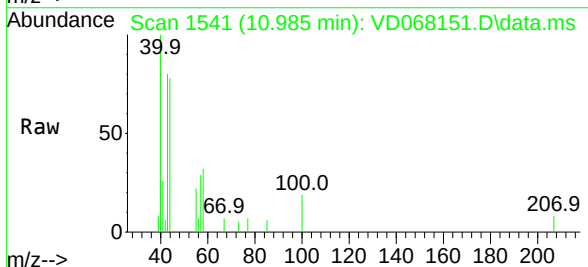
Acq: 22 Jan 2021 13:16

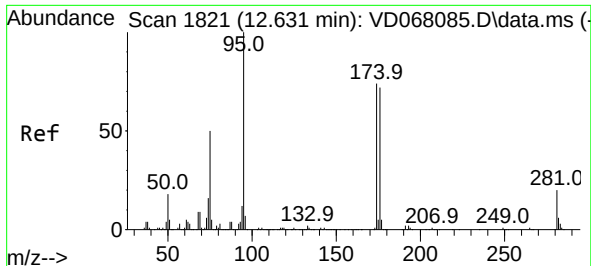
Tgt Ion: 43 Resp: 2843

Ion Ratio Lower Upper

43 100

58 72.7 31.0 93.0

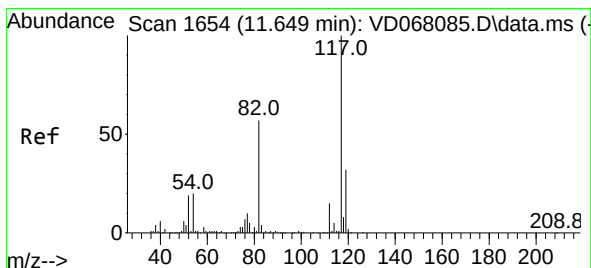
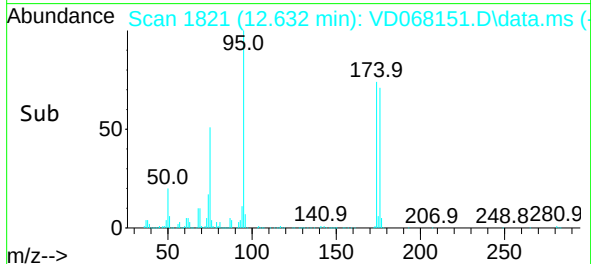
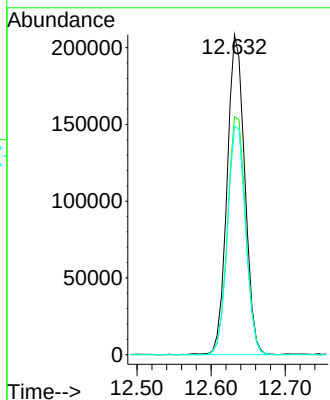
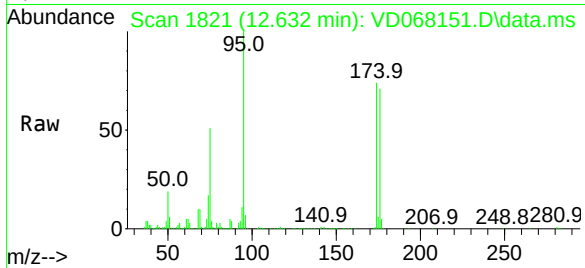




#62
4-Bromofluorobenzene
Concen: 44.16 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

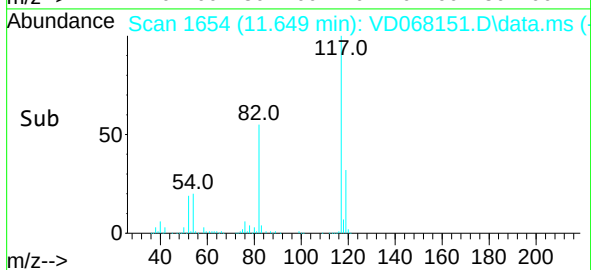
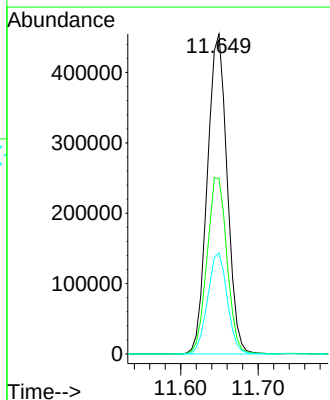
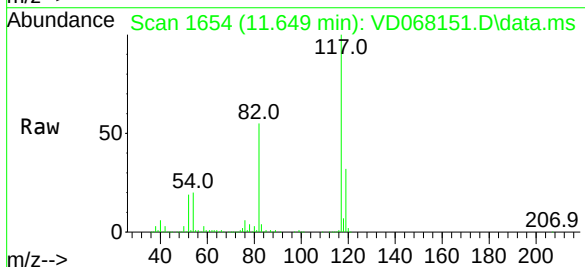
Instrument :
MSVOA_D
ClientSampleId :
41047

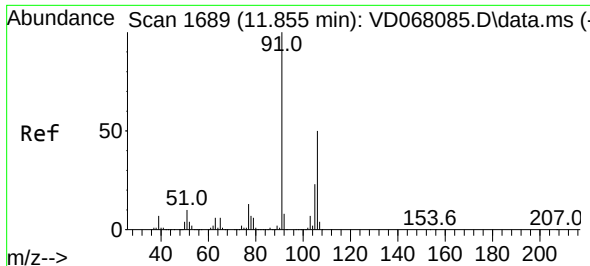
Tgt Ion: 95 Resp: 344497
Ion Ratio Lower Upper
95 100
174 76.2 0.0 172.4
176 73.3 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 117 Resp: 808981
Ion Ratio Lower Upper
117 100
82 54.8 41.4 62.0
119 31.5 26.1 39.1

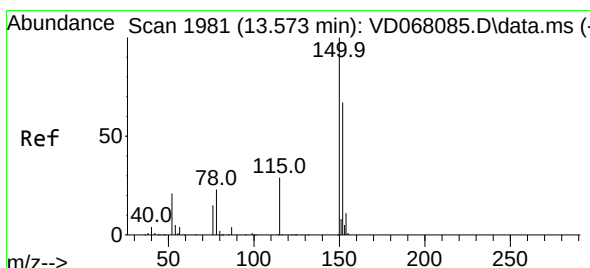
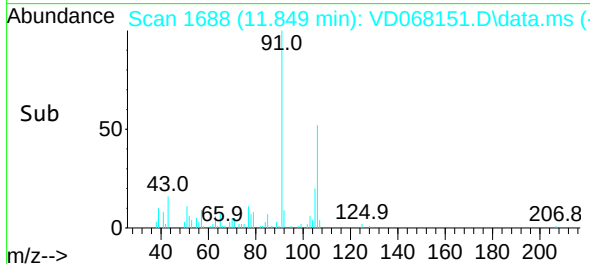
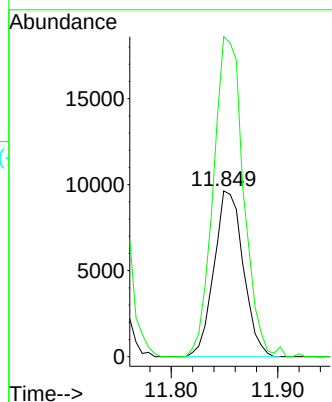
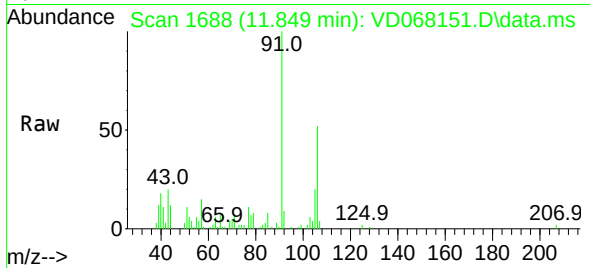




#68
m/p-Xylenes
Concen: 1.52 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

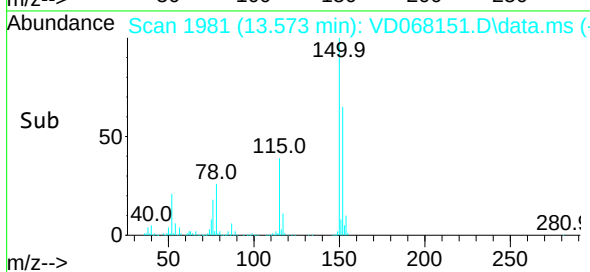
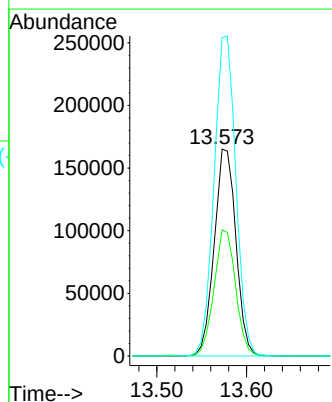
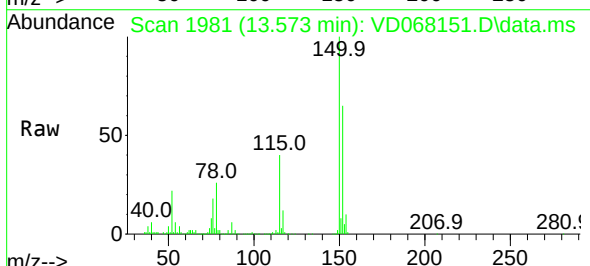
Instrument :
MSVOA_D
ClientSampleId :
41047

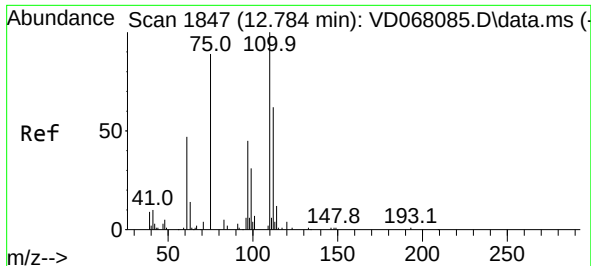
Tgt Ion:106 Resp: 18323
Ion Ratio Lower Upper
106 100
91 199.8 159.1 238.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion:152 Resp: 276800
Ion Ratio Lower Upper
152 100
115 60.7 28.9 86.8
150 155.8 0.0 344.4

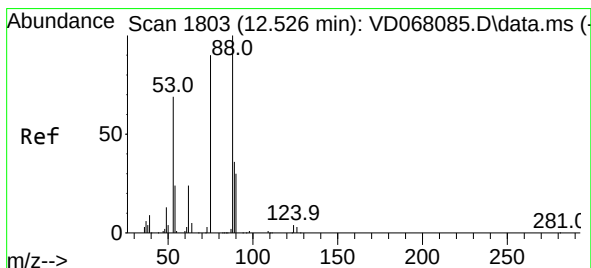
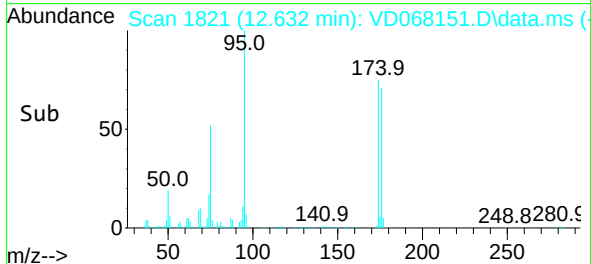
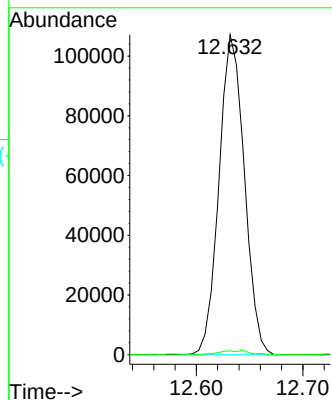
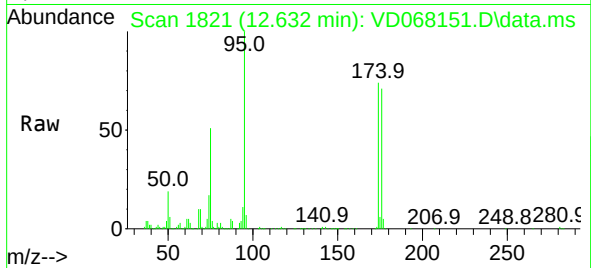




#76
1,2,3-Trichloropropane
Concen: 66.06 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

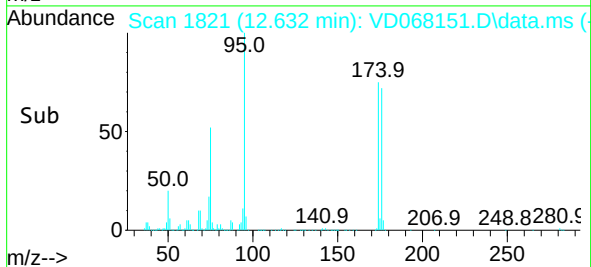
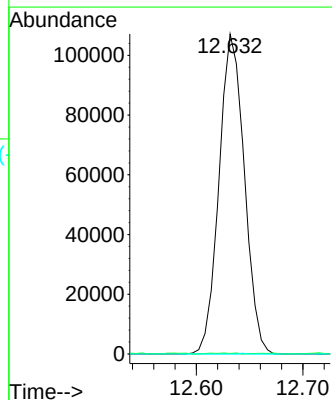
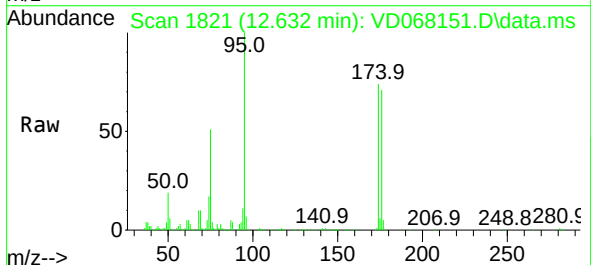
Instrument :
MSVOA_D
ClientSampleId :
41047

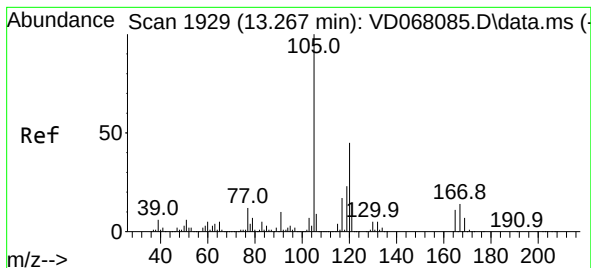
Tgt Ion: 75 Resp: 176802
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.68 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 75 Resp: 176802
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.1 40.3 60.5#

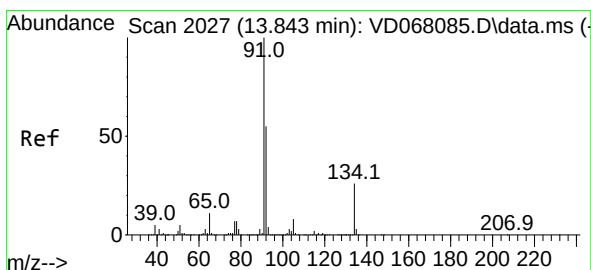
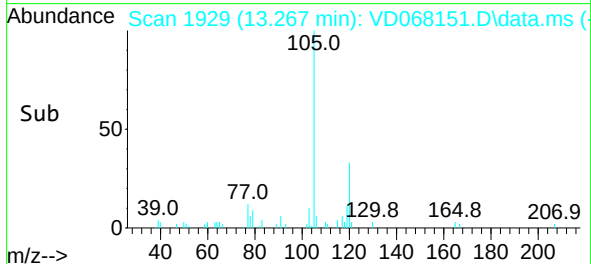
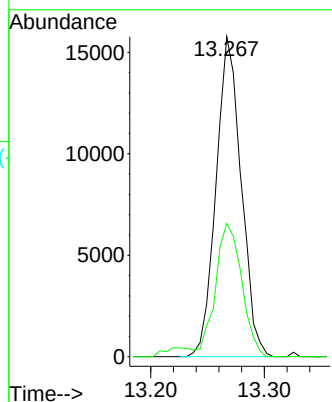
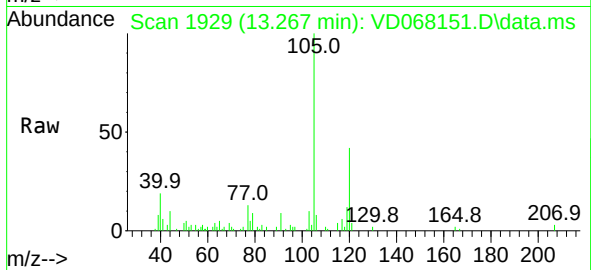




#84
1,2,4-Trimethylbenzene
Concen: 1.27 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

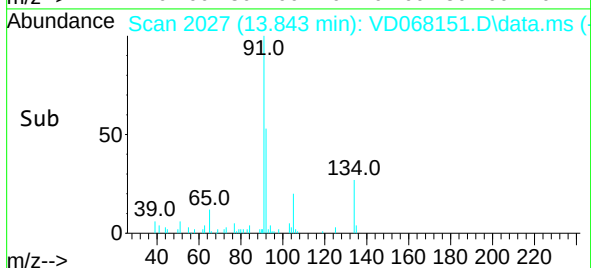
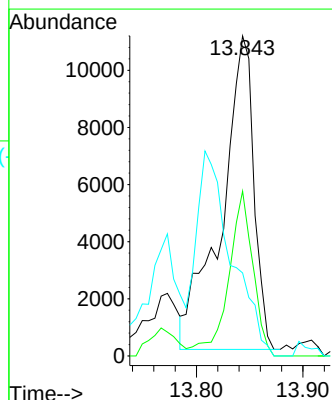
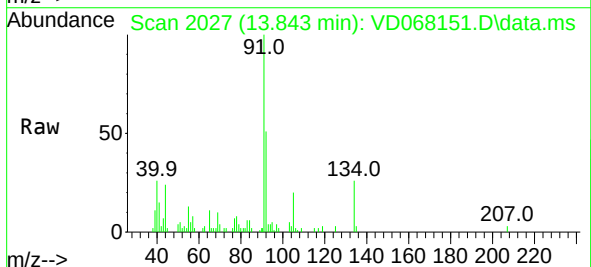
Instrument :
MSVOA_D
ClientSampleId :
41047

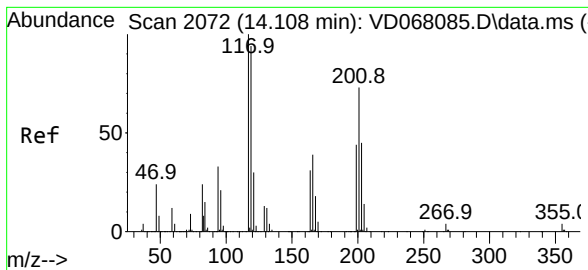
Tgt Ion:105 Resp: 24228
Ion Ratio Lower Upper
105 100
120 43.6 22.4 67.0



#89
n-Butylbenzene
Concen: 1.17 ug/l
RT: 13.843 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD068151.D
Acq: 22 Jan 2021 13:16

Tgt Ion: 91 Resp: 23149
Ion Ratio Lower Upper
91 100
92 39.7 27.2 81.6
134 0.0 13.9 41.7#





#90
 Hexachloroethane
 Concen: 1.44 ug/l
 RT: 14.114 min Scan# 2073
 Delta R.T. 0.006 min
 Lab File: VD068151.D
 Acq: 22 Jan 2021 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 41047

Tgt Ion:117 Resp: 5383
 Ion Ratio Lower Upper
 117 100
 201 10.8 39.5 118.5#

