

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022621\
 Data File : VD068461.D
 Acq On : 26 Feb 2021 17:25
 Operator : VA/SY
 Sample : M1489-03
 Misc : 3.84G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 40030

Quant Time: Feb 26 21:49:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

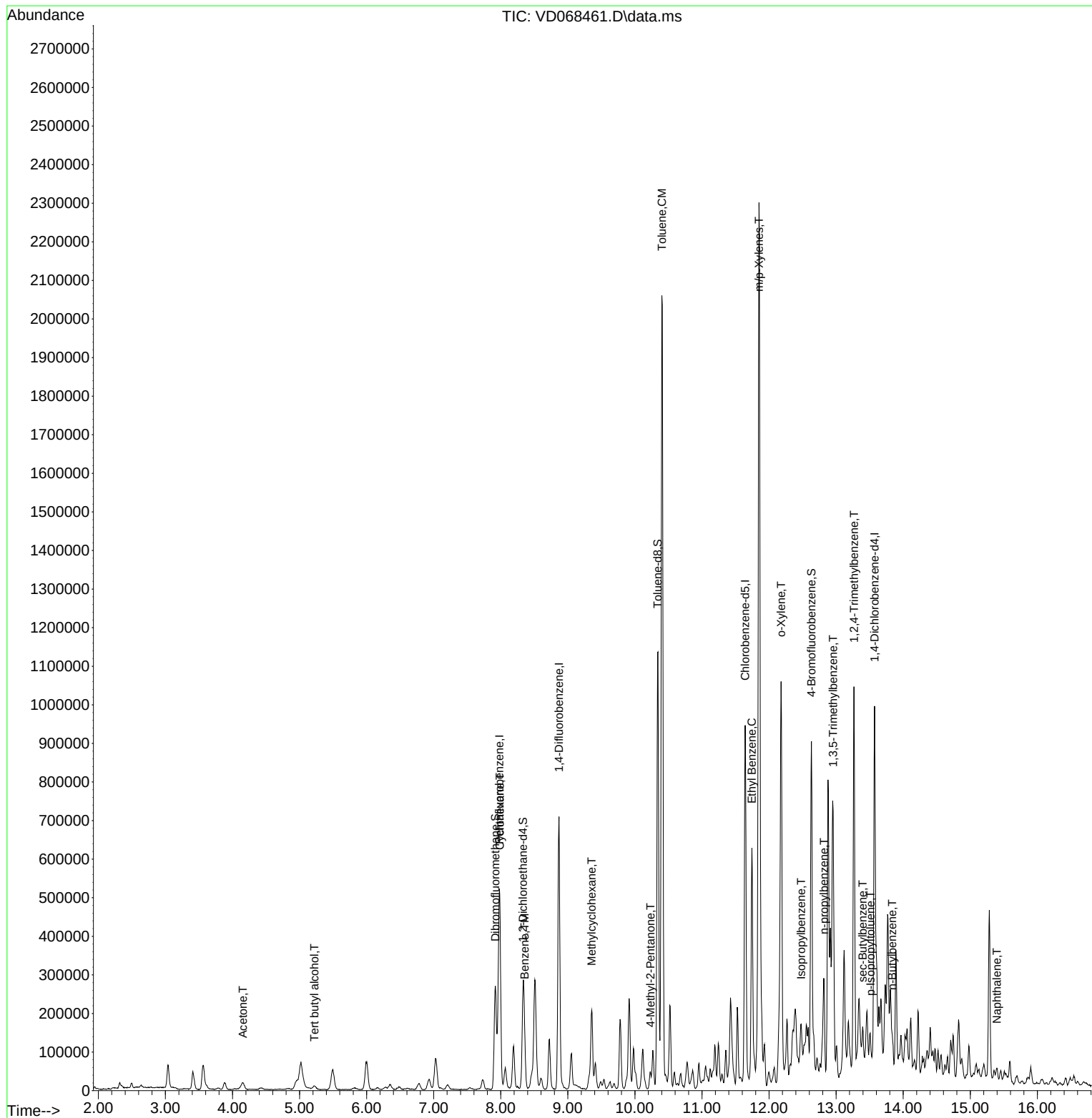
Internal Standards						
1) Pentafluorobenzene	7.979	168	322662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	613641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	560050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	237143	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	186101	57.73	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.46%
35) Dibromofluoromethane	7.920	113	190363	51.50	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.00%
50) Toluene-d8	10.338	98	761643	51.73	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.46%
62) 4-Bromofluorobenzene	12.632	95	242170	51.03	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.06%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	16004	92.98	ug/l	97
16) Acetone	4.156	43	20815	40.65	ug/l	94
31) Cyclohexane	7.985	56	62265	10.62	ug/l #	89
39) Methylcyclohexane	9.355	83	72273	10.05	ug/l	99
40) Benzene	8.355	78	99993	5.98	ug/l	96
51) 4-Methyl-2-Pentanone	10.232	43	24322	13.07	ug/l	96
52) Toluene	10.402	92	950558	88.96	ug/l	95
67) Ethyl Benzene	11.743	91	439452	21.59	ug/l	94
68) m/p-Xylenes	11.849	106	604873	78.23	ug/l	99
69) o-Xylene	12.179	106	276095	38.77	ug/l	96
73) Isopropylbenzene	12.479	105	72887	4.14	ug/l	100
78) n-propylbenzene	12.820	91	199007	9.47	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	166069	11.52	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	561044	38.86	ug/l	99
85) sec-Butylbenzene	13.396	105	43352	2.50	ug/l	92
86) p-Isopropyltoluene	13.514	119	26653	1.69	ug/l	98
89) n-Butylbenzene	13.837	91	28499	1.88	ug/l #	76
95) Naphthalene	15.396	128	26776	2.88	ug/l	96

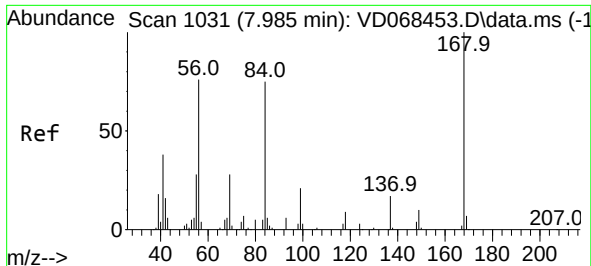
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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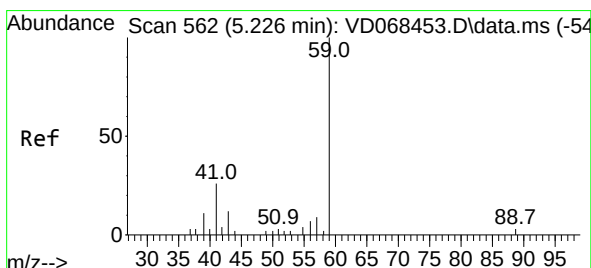
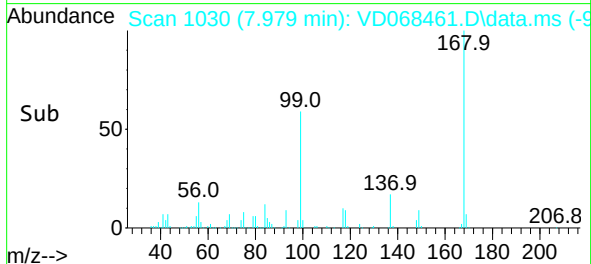
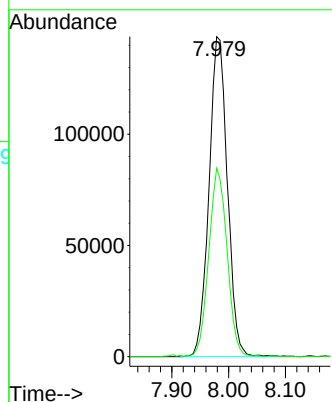
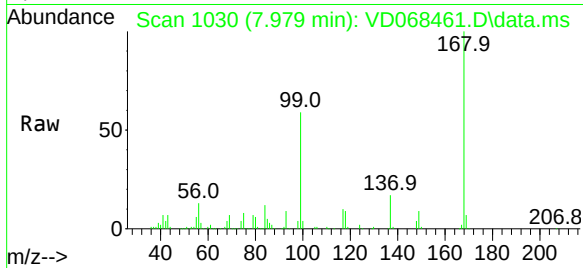




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

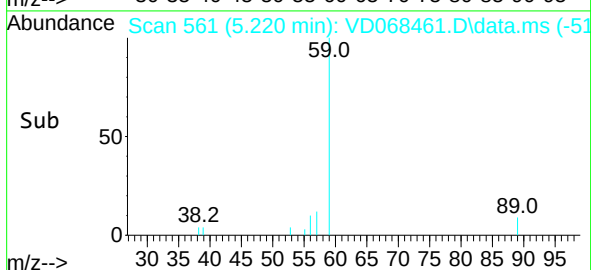
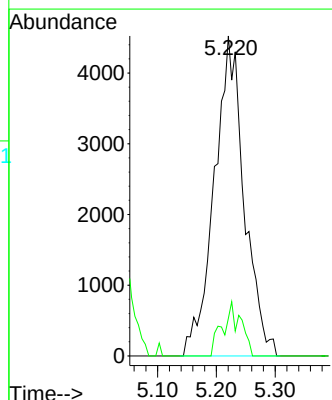
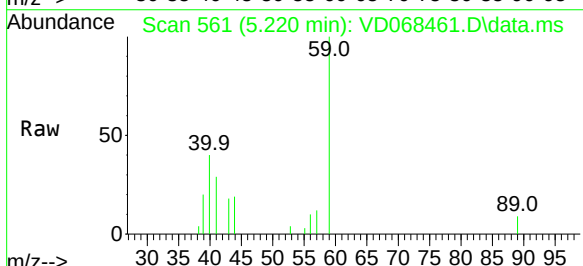
Instrument :
MSVOA_D
ClientSampleId :
40030

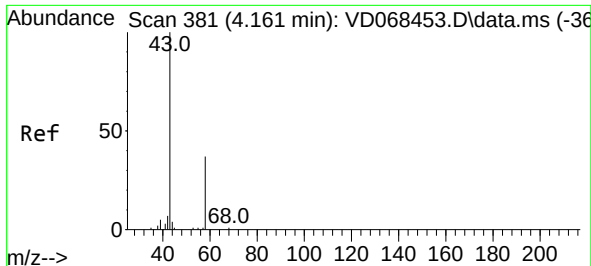
Tgt Ion:168 Resp: 322662
Ion Ratio Lower Upper
168 100
99 58.9 43.5 65.3



#11
Tert butyl alcohol
Concen: 92.98 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

Tgt Ion: 59 Resp: 16004
Ion Ratio Lower Upper
59 100
57 10.4 7.4 11.2

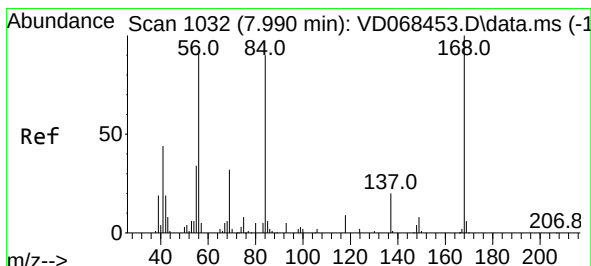
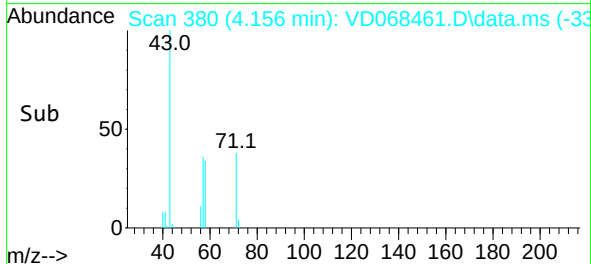
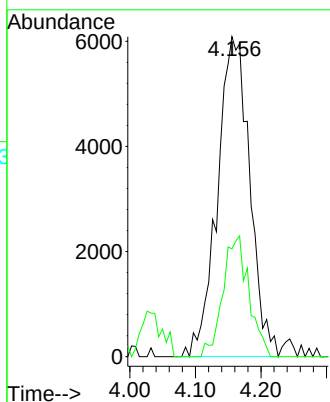
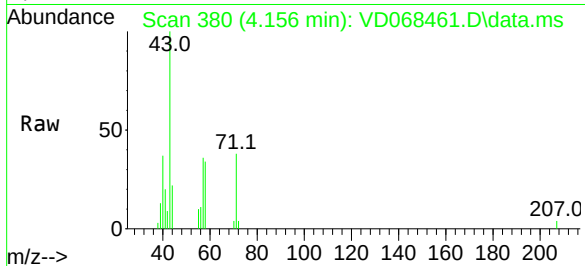




#16
Acetone
Concen: 40.65 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

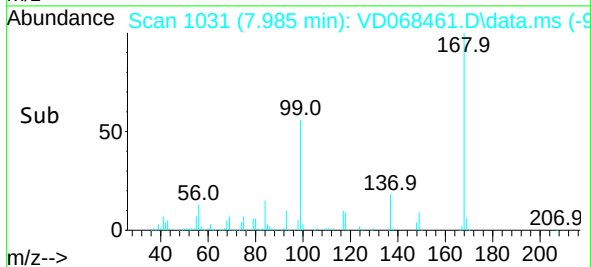
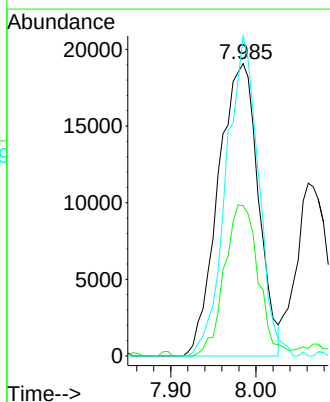
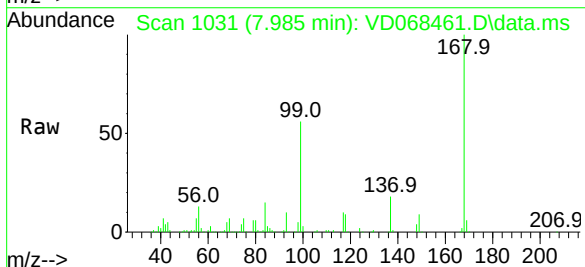
Instrument :
MSVOA_D
ClientSampled :
40030

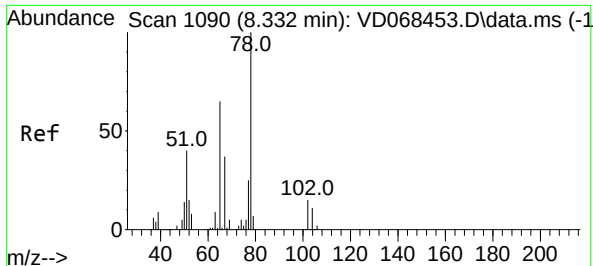
Tgt Ion: 43 Resp: 20815
Ion Ratio Lower Upper
43 100
58 33.7 24.2 36.4



#31
Cyclohexane
Concen: 10.62 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

Tgt Ion: 56 Resp: 62265
Ion Ratio Lower Upper
56 100
69 51.4 30.1 45.1#
84 109.5 82.1 123.1





#33

1,2-Dichloroethane-d4

Concen: 57.73 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VD068461.D

Acq: 26 Feb 2021 17:25

Tgt Ion: 65 Resp: 186101

Ion Ratio Lower Upper

65 100

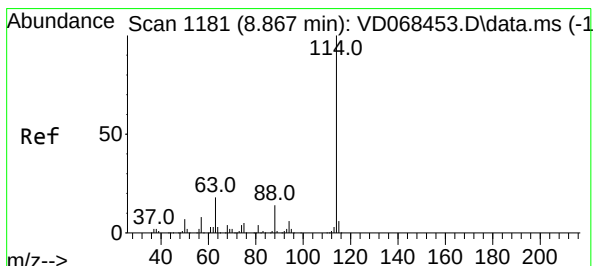
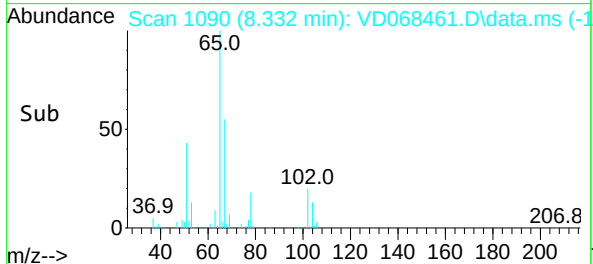
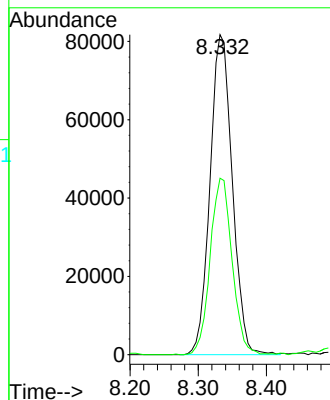
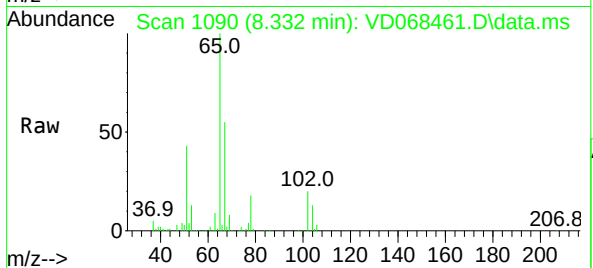
67 54.3 0.0 105.0

Instrument :

MSVOA_D

ClientSampleId :

40030



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068461.D

Acq: 26 Feb 2021 17:25

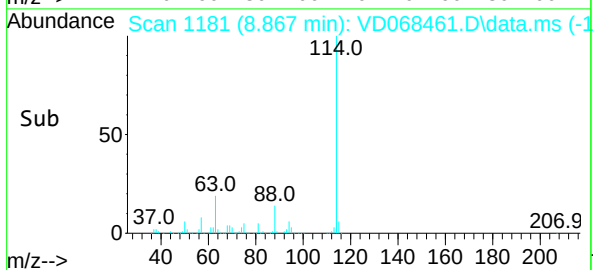
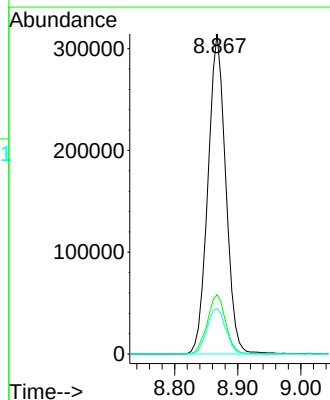
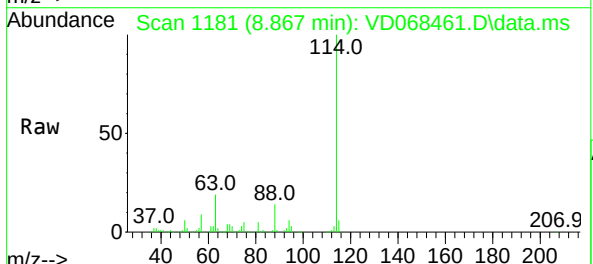
Tgt Ion: 114 Resp: 613641

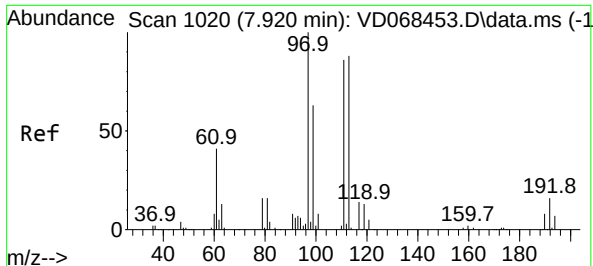
Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.8

88 14.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.50 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068461.D

Acq: 26 Feb 2021 17:25

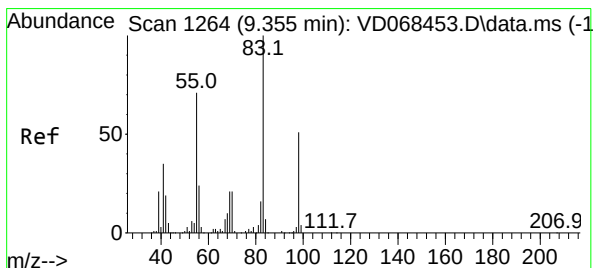
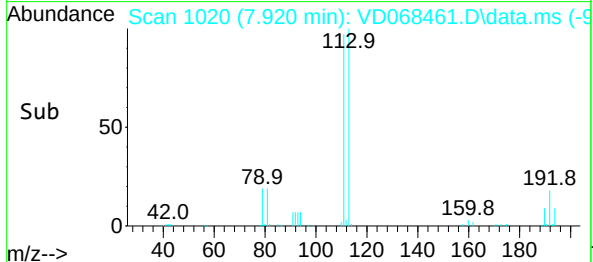
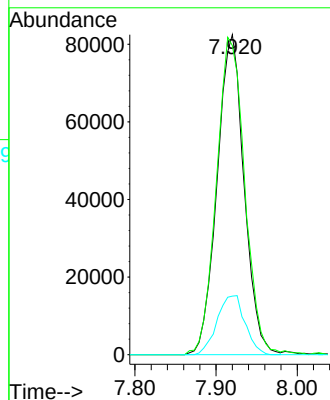
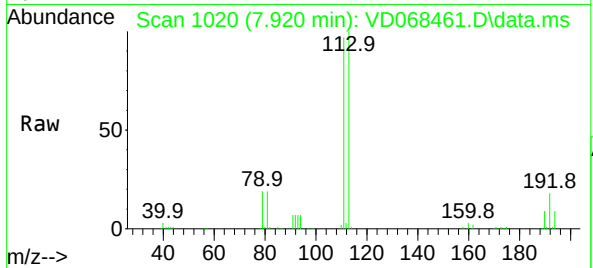
Tgt Ion:113 Resp: 190363

Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 19.2 16.1 24.1



#39

Methylcyclohexane

Concen: 10.05 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068461.D

Acq: 26 Feb 2021 17:25

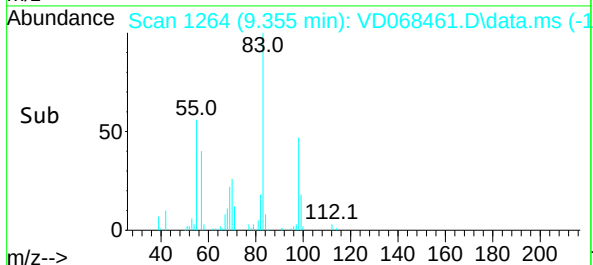
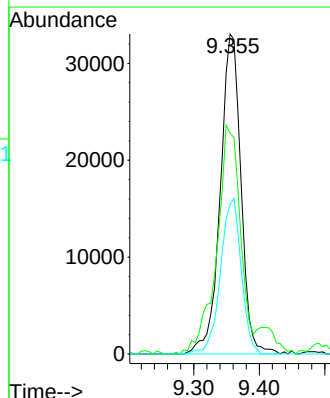
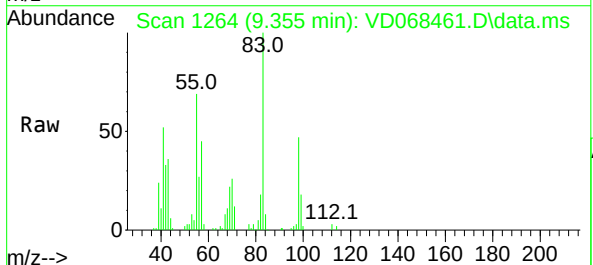
Tgt Ion: 83 Resp: 72273

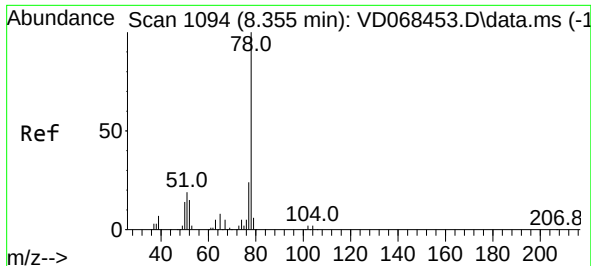
Ion Ratio Lower Upper

83 100

55 69.0 55.2 82.8

98 46.7 39.1 58.7

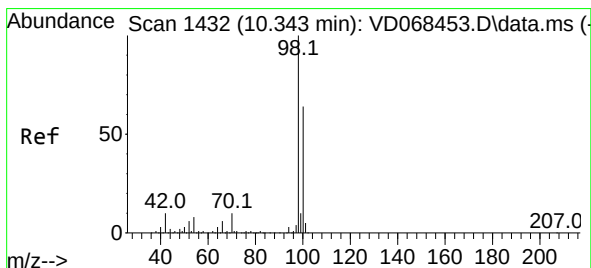
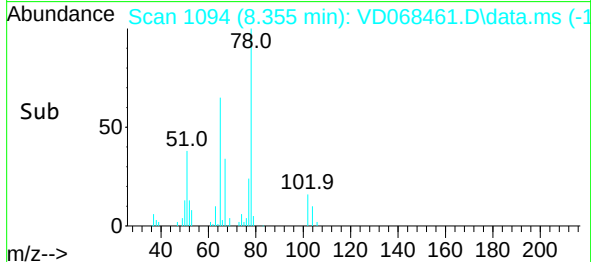
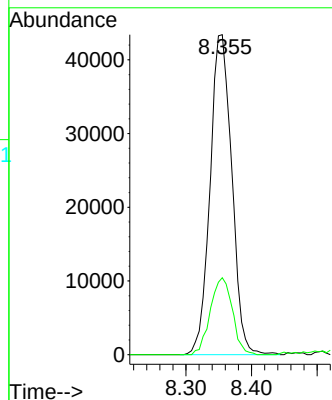
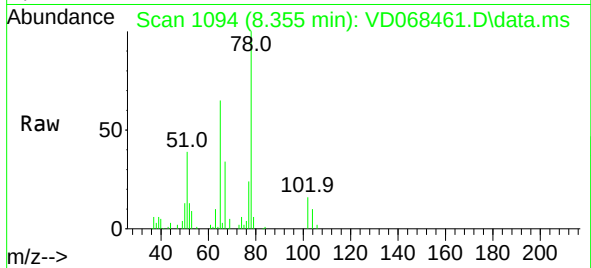




#40
Benzene
Concen: 5.98 ug/l
RT: 8.355 min Scan# 1094
Delta R.T. 0.000 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

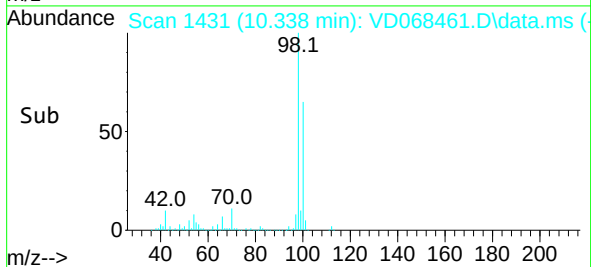
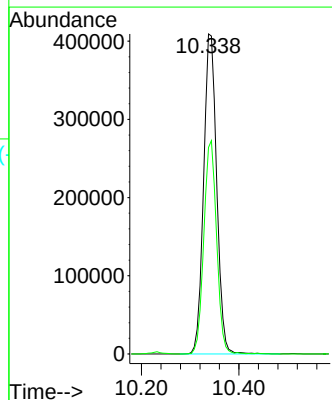
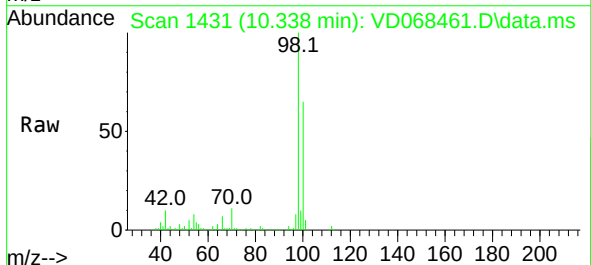
Instrument :
MSVOA_D
ClientSampleId :
40030

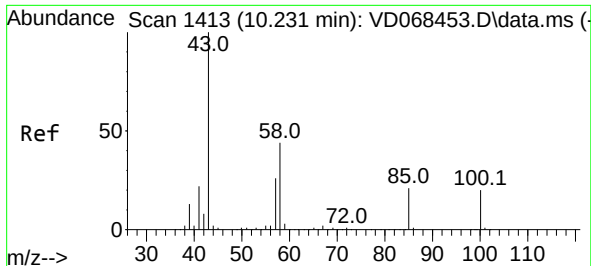
Tgt Ion: 78 Resp: 99993
Ion Ratio Lower Upper
78 100
77 24.0 17.8 26.6



#50
Toluene-d8
Concen: 51.73 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

Tgt Ion: 98 Resp: 761643
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4

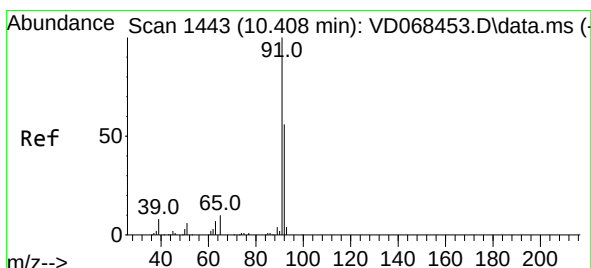
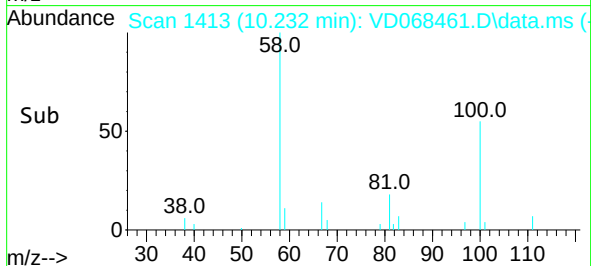
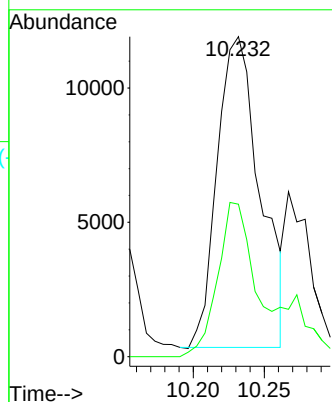
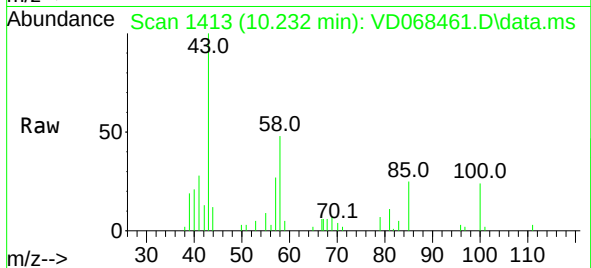




#51
4-Methyl-2-Pentanone
Concen: 13.07 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.000 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

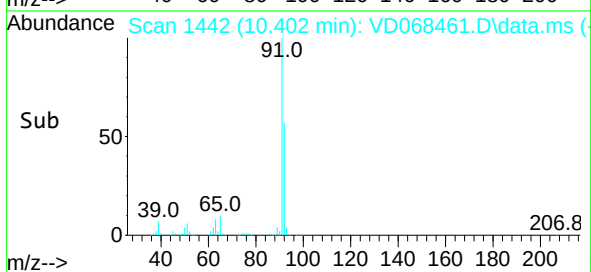
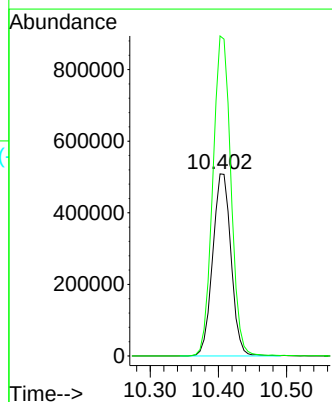
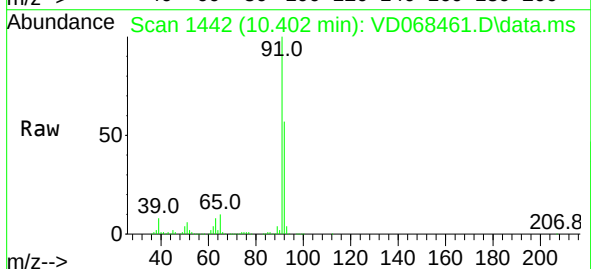
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MSVOA_D
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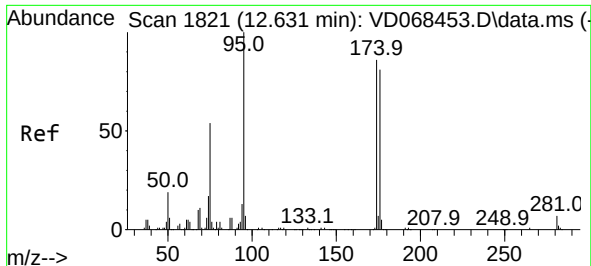
Tgt Ion: 43 Resp: 24322
Ion Ratio Lower Upper
43 100
58 42.2 36.1 54.1



#52
Toluene
Concen: 88.96 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

Tgt Ion: 92 Resp: 950558
Ion Ratio Lower Upper
92 100
91 174.3 134.1 201.1

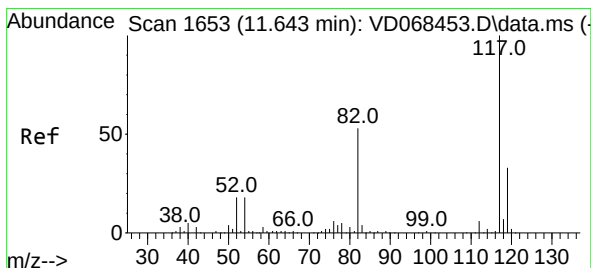
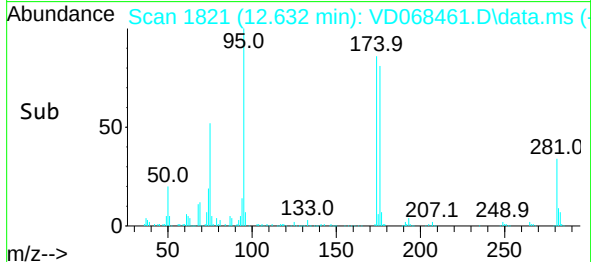
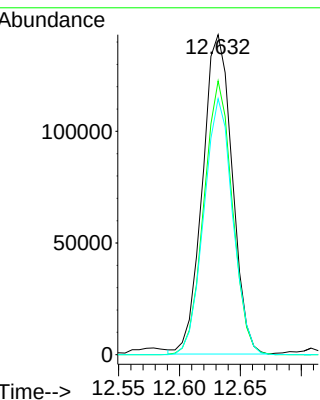
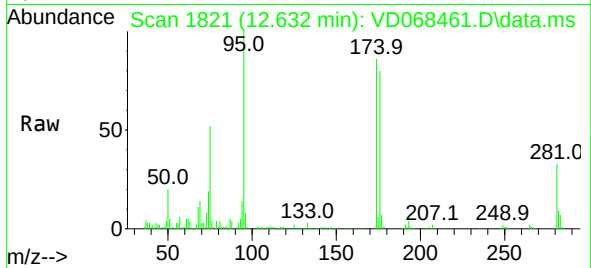




#62
4-Bromofluorobenzene
Concen: 51.03 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

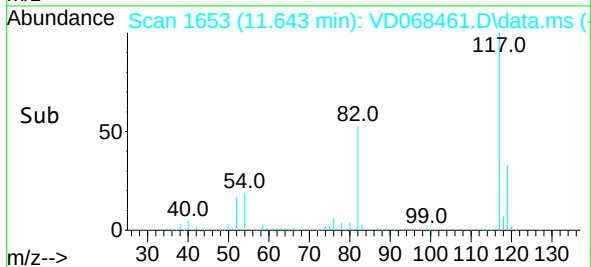
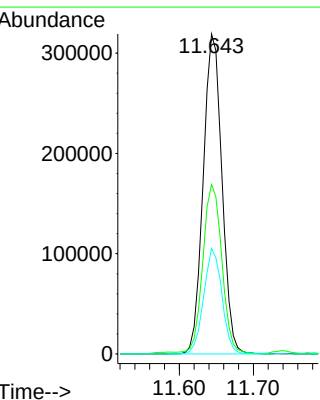
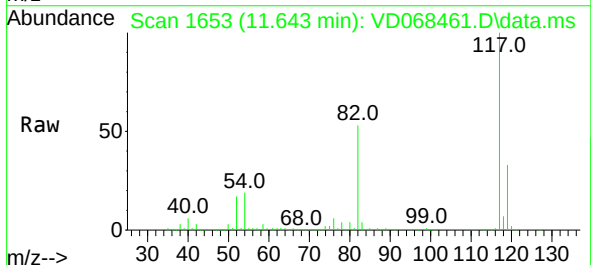
Instrument :
MSVOA_D
ClientSampleId :
40030

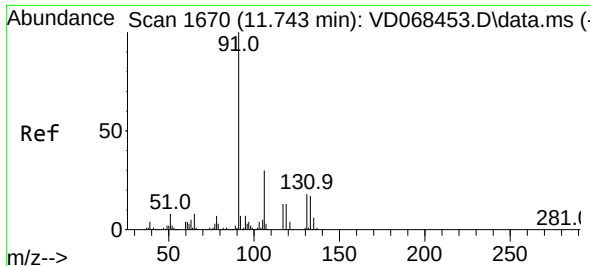
Tgt Ion: 95 Resp: 242170
Ion Ratio Lower Upper
95 100
174 82.2 0.0 172.4
176 78.2 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

Tgt Ion: 117 Resp: 560050
Ion Ratio Lower Upper
117 100
82 52.6 41.4 62.0
119 33.1 26.1 39.1

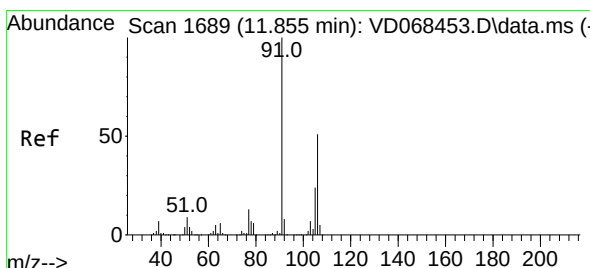
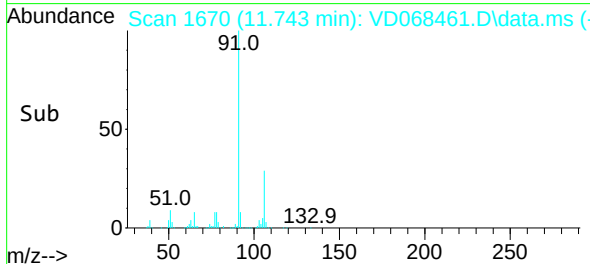
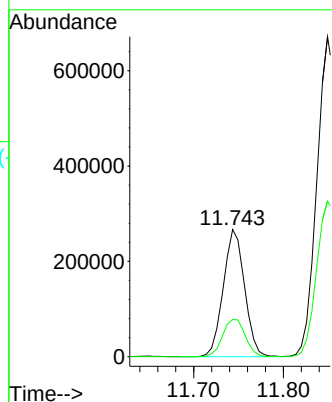
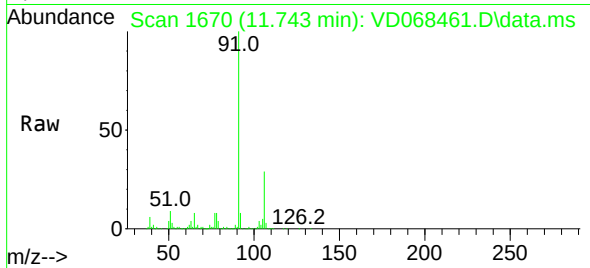




#67
Ethyl Benzene
Concen: 21.59 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

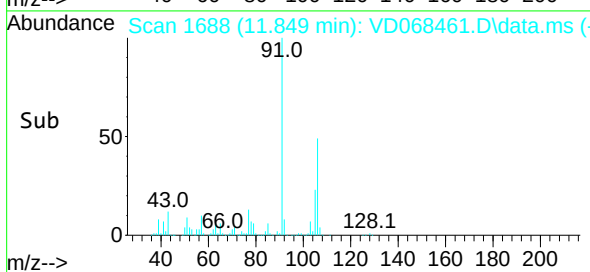
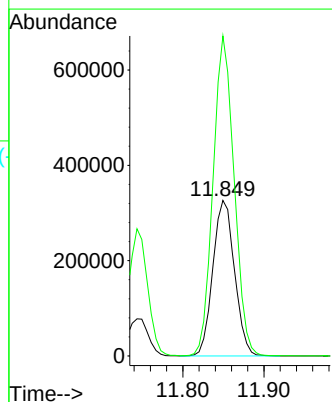
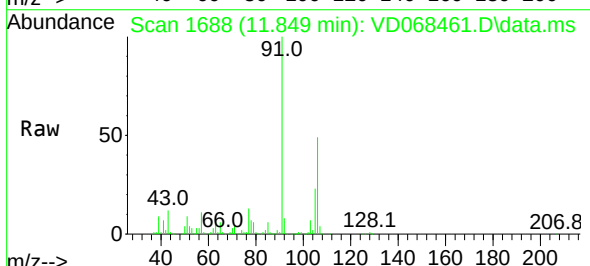
Instrument :
MSVOA_D
ClientSampleId :
40030

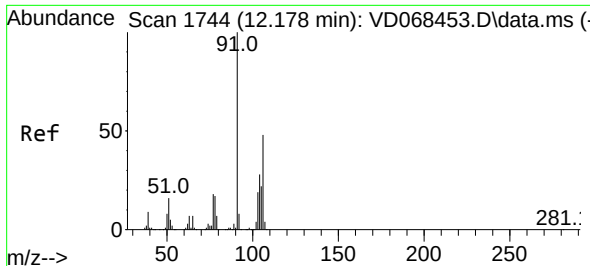
Tgt Ion: 91 Resp: 439452
Ion Ratio Lower Upper
91 100
106 29.2 25.9 38.9



#68
m/p-Xylenes
Concen: 78.23 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

Tgt Ion:106 Resp: 604873
Ion Ratio Lower Upper
106 100
91 199.9 159.1 238.7

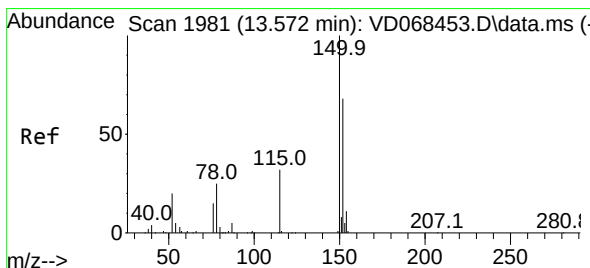
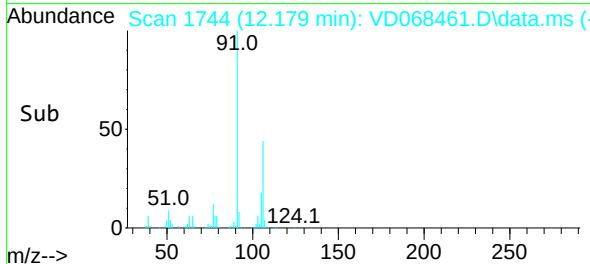
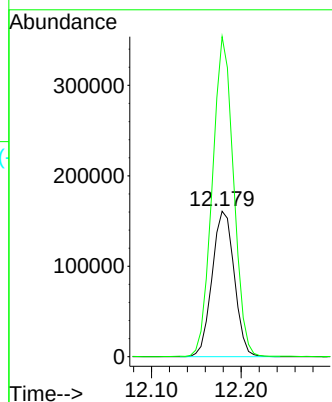
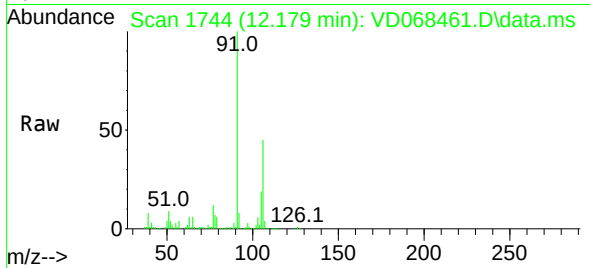




#69
o-Xylene
Concen: 38.77 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

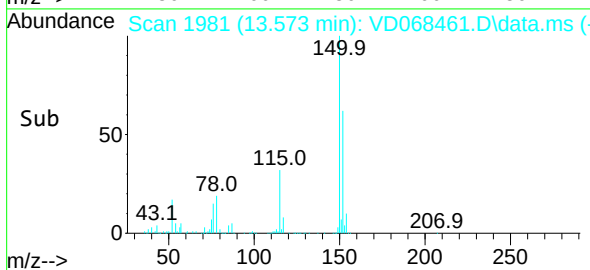
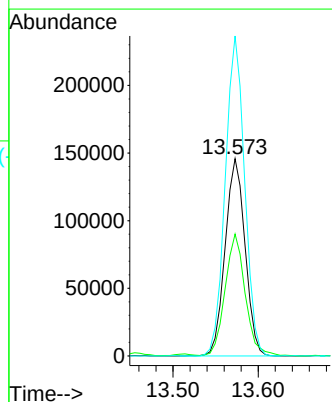
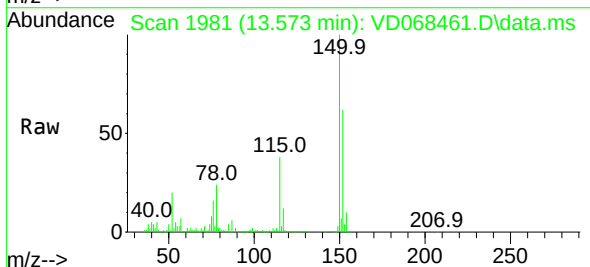
Instrument :
MSVOA_D
ClientSampled :
40030

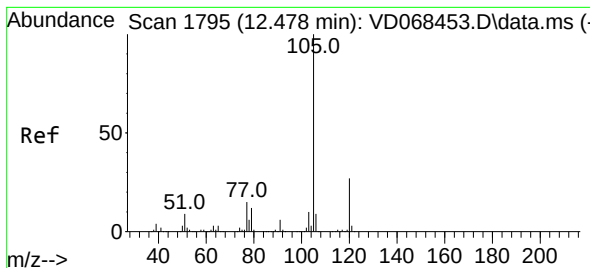
Tgt Ion:106 Resp: 276095
Ion Ratio Lower Upper
106 100
91 211.6 108.7 325.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

Tgt Ion:152 Resp: 237143
Ion Ratio Lower Upper
152 100
115 62.5 28.9 86.8
150 157.7 0.0 344.4





#73

Isopropylbenzene

Concen: 4.14 ug/l

RT: 12.479 min Scan# 1795

Delta R.T. 0.000 min

Lab File: VD068461.D

Acq: 26 Feb 2021 17:25

Tgt Ion:105 Resp: 72887

Ion Ratio Lower Upper

105 100

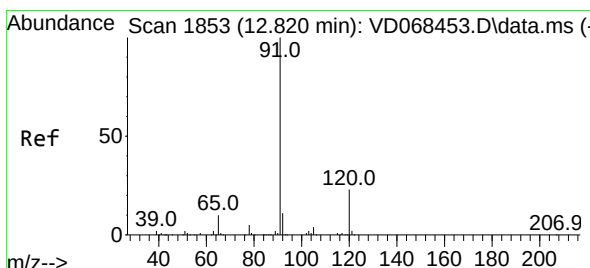
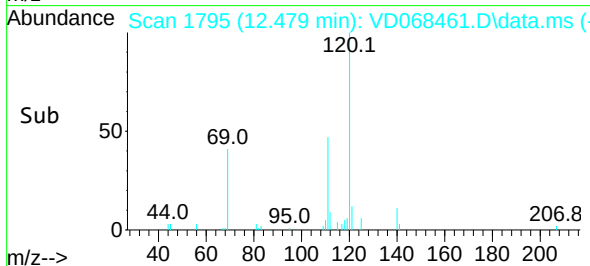
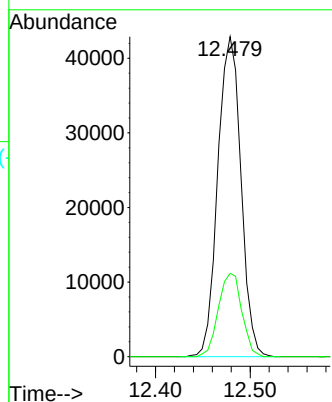
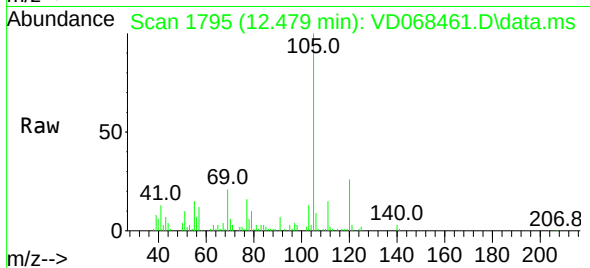
120 26.3 13.2 39.6

Instrument :

MSVOA_D

ClientSampleId :

40030



#78

n-propylbenzene

Concen: 9.47 ug/l

RT: 12.820 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VD068461.D

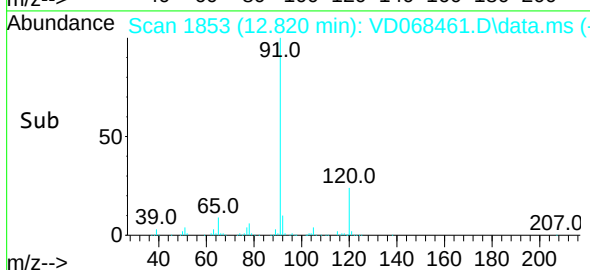
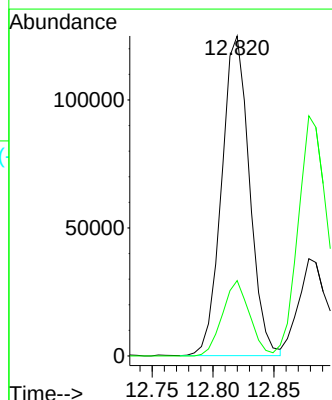
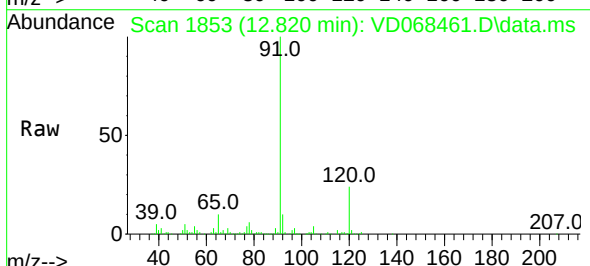
Acq: 26 Feb 2021 17:25

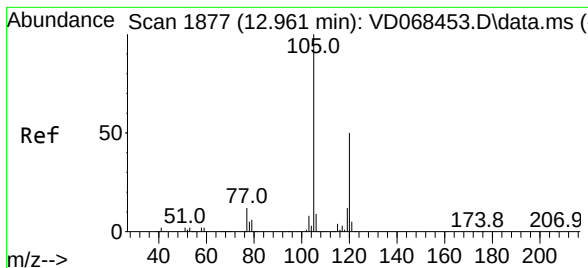
Tgt Ion: 91 Resp: 199007

Ion Ratio Lower Upper

91 100

120 23.0 12.0 36.0

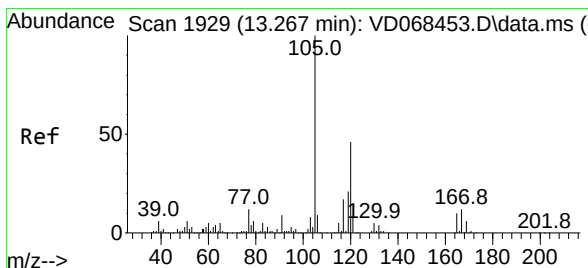
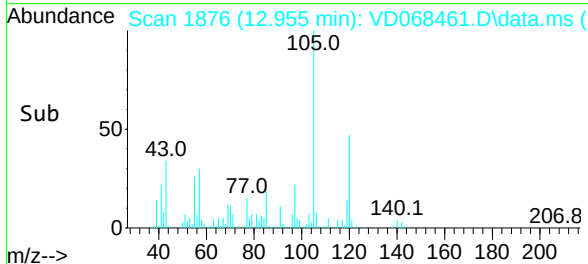
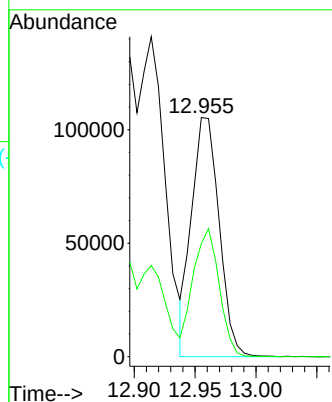
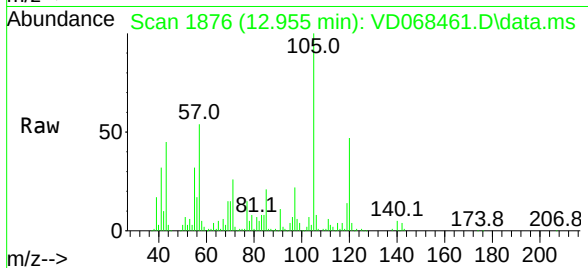




#80
1,3,5-Trimethylbenzene
Concen: 11.52 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

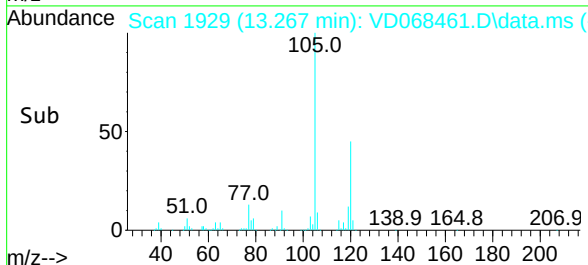
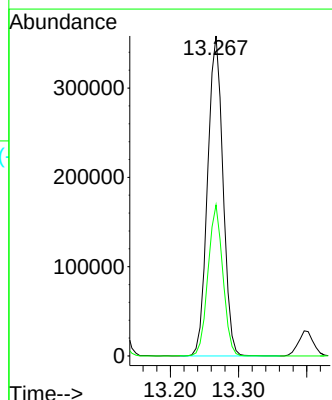
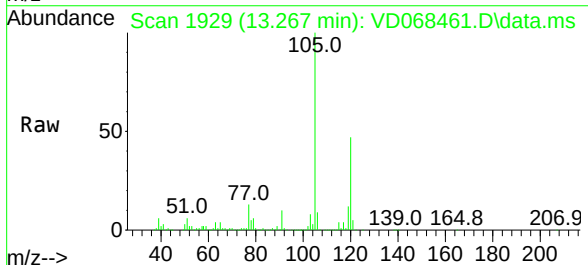
Instrument :
MSVOA_D
ClientSampleId :
40030

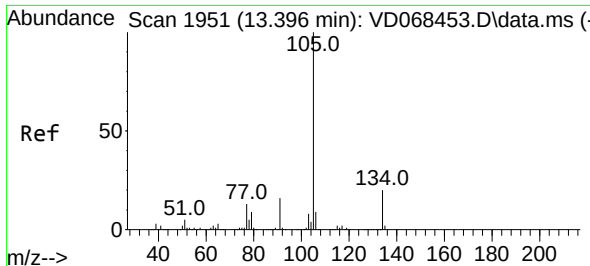
Tgt Ion:105 Resp: 166069
Ion Ratio Lower Upper
105 100
120 50.7 24.2 72.6



#84
1,2,4-Trimethylbenzene
Concen: 38.86 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

Tgt Ion:105 Resp: 561044
Ion Ratio Lower Upper
105 100
120 45.6 22.4 67.0

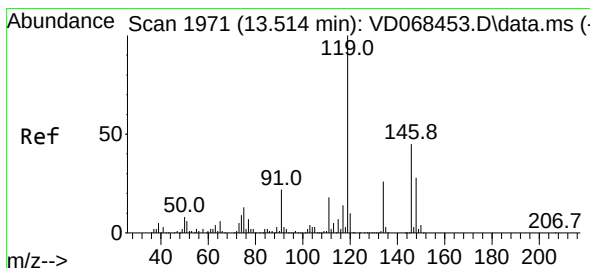
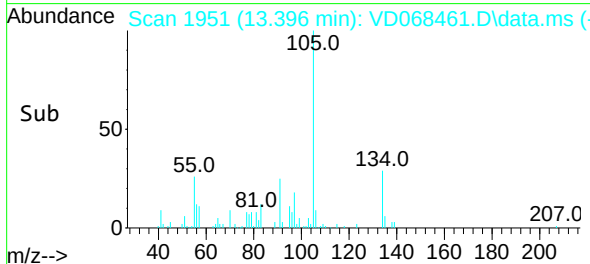
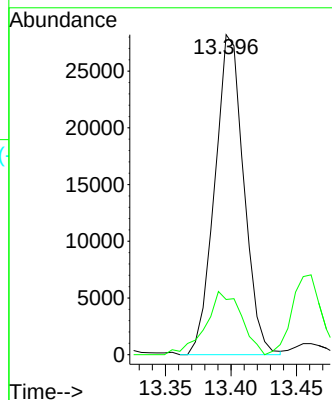
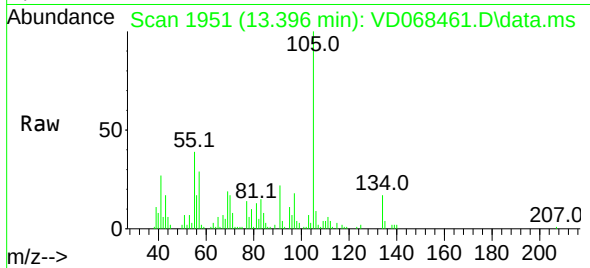




#85
 sec-Butylbenzene
 Concen: 2.50 ug/l
 RT: 13.396 min Scan# 1951
 Delta R.T. 0.000 min
 Lab File: VD068461.D
 Acq: 26 Feb 2021 17:25

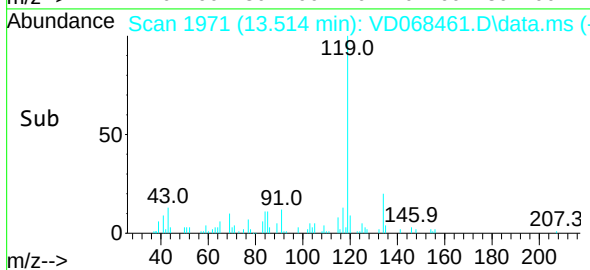
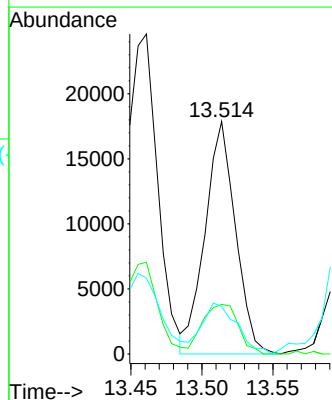
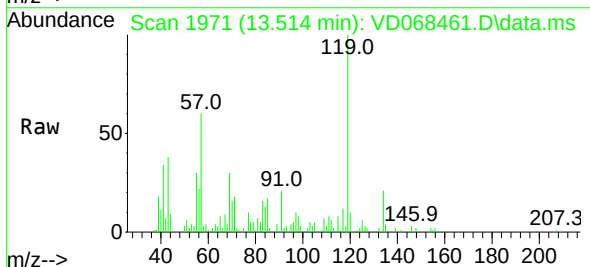
Instrument :
 MSVOA_D
 ClientSampled :
 40030

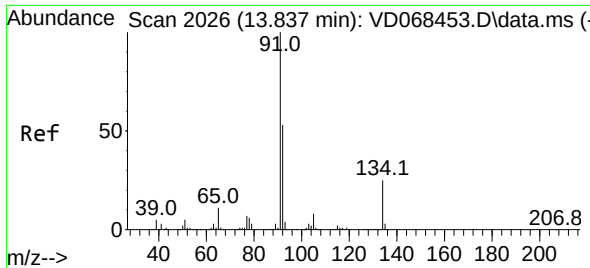
Tgt Ion:105 Resp: 43352
 Ion Ratio Lower Upper
 105 100
 134 24.3 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 1.69 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. 0.000 min
 Lab File: VD068461.D
 Acq: 26 Feb 2021 17:25

Tgt Ion:119 Resp: 26653
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.9 38.7
 91 24.8 11.7 35.0

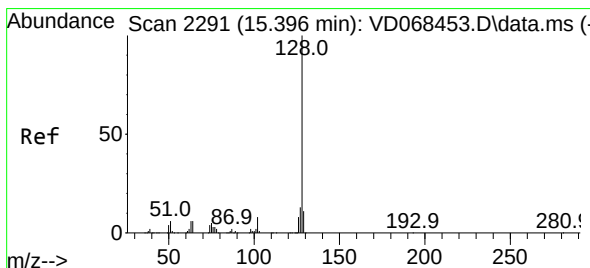
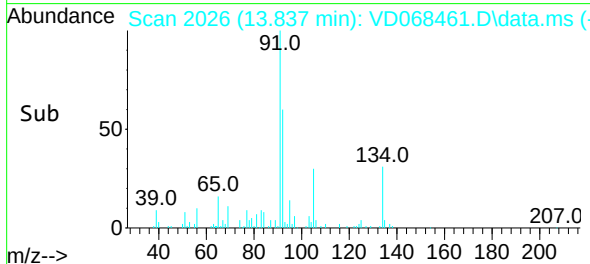
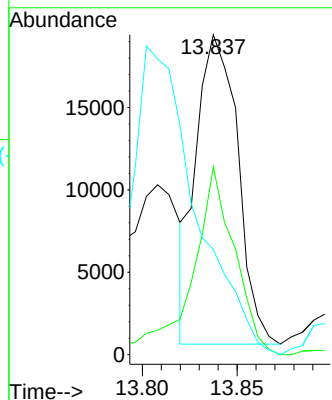
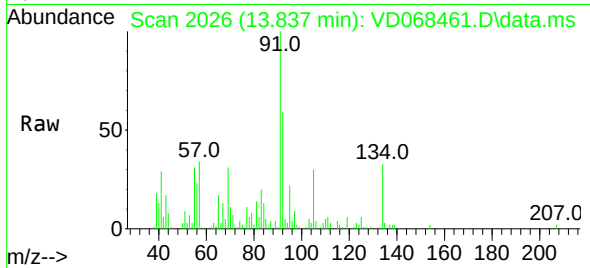




#89
n-Butylbenzene
Concen: 1.88 ug/l
RT: 13.837 min Scan# 2026
Delta R.T. 0.000 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

Instrument :
MSVOA_D
ClientSampleId :
40030

Tgt Ion:	91	Resp:	28499
Ion	Ratio	Lower	Upper
91	100		
92	60.8	27.2	81.6
134	0.0	13.9	41.7#



#95
Naphthalene
Concen: 2.88 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068461.D
Acq: 26 Feb 2021 17:25

Tgt Ion:	128	Resp:	26776
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.2
129	12.6	8.8	13.2

