

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
 Data File : VD068306.D
 Acq On : 05 Feb 2021 17:41
 Operator : VA/SY
 Sample : M1317-05
 Misc : 7.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-C

Quant Time: Feb 06 02:56:29 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	7.979	168	478353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	869227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	576814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	134734	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	272238	59.49	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.98%
35) Dibromofluoromethane	7.920	113	268870	55.95	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.90%
50) Toluene-d8	10.344	98	936237	48.71	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.42%
62) 4-Bromofluorobenzene	12.632	95	275658	39.82	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.64%

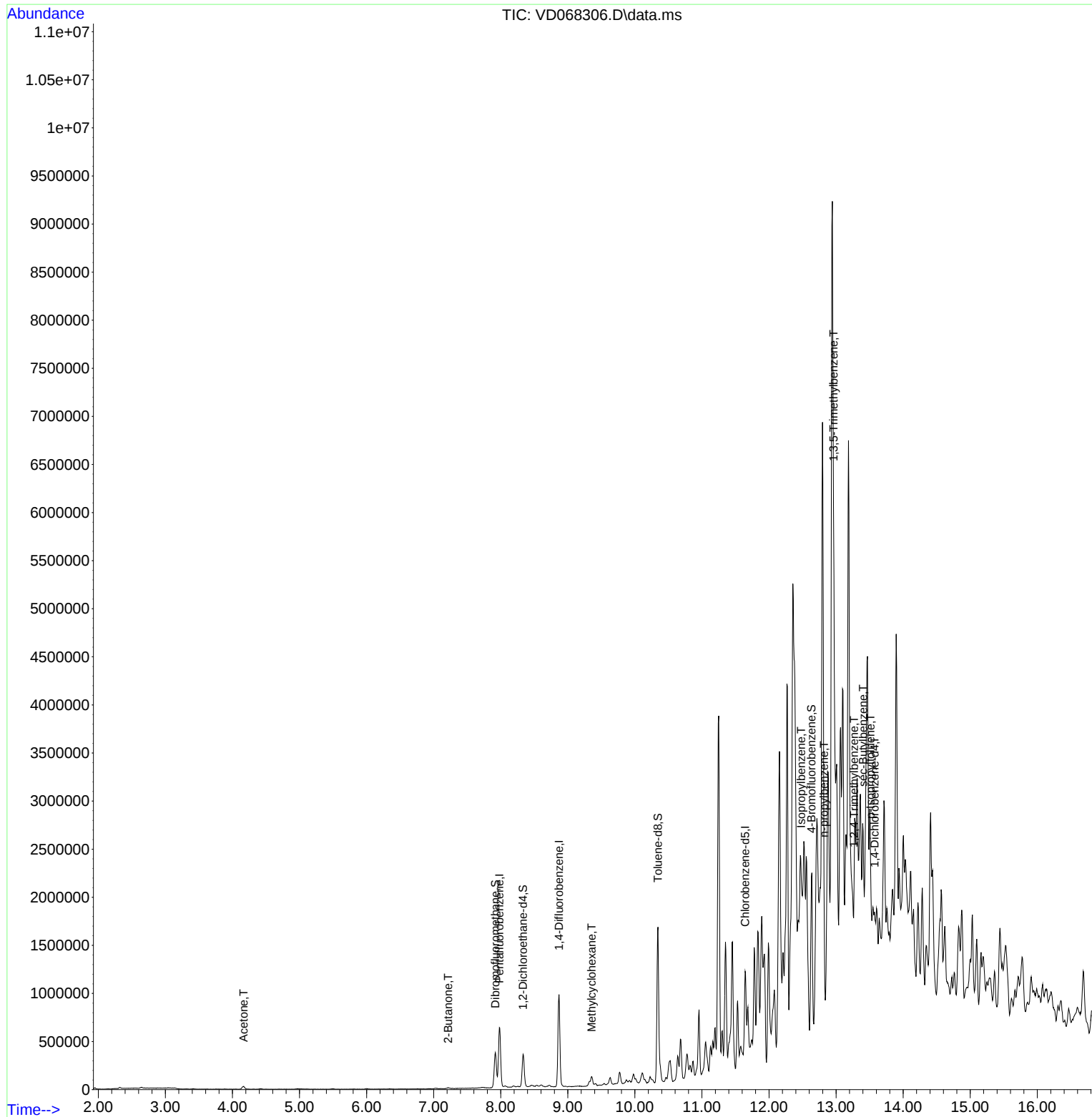
Target Compounds						Qvalue
16) Acetone	4.168	43	50135	61.36	ug/l	95
25) 2-Butanone	7.215	43	12597	10.24	ug/l	91
39) Methylcyclohexane	9.356	83	46452	4.05	ug/l	91
73) Isopropylbenzene	12.479	105	108829	9.71	ug/l	97
78) n-propylbenzene	12.820	91	228858	17.25	ug/l	90
80) 1,3,5-Trimethylbenzene	12.961	105	31269	3.35	ug/l	93
84) 1,2,4-Trimethylbenzene	13.267	105	56381	6.08	ug/l	99
85) sec-Butylbenzene	13.402	105	194267	17.55	ug/l #	77
86) p-Isopropyltoluene	13.514	119	90551	9.00	ug/l	96

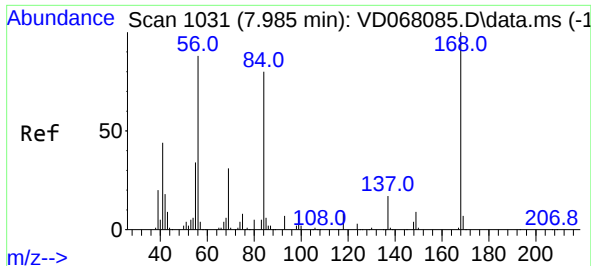
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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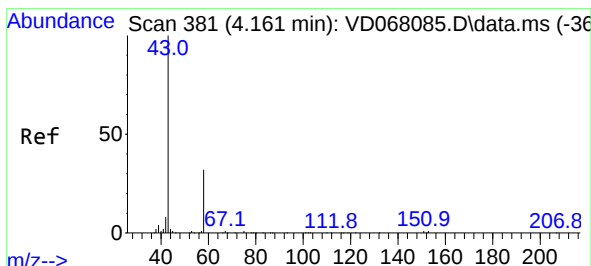
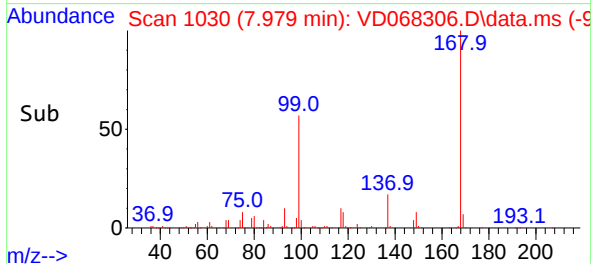
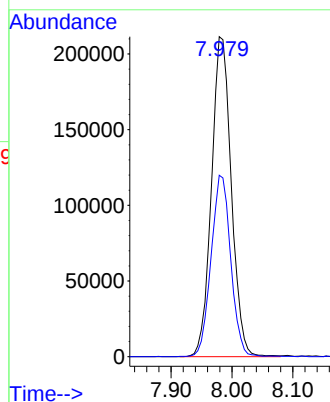
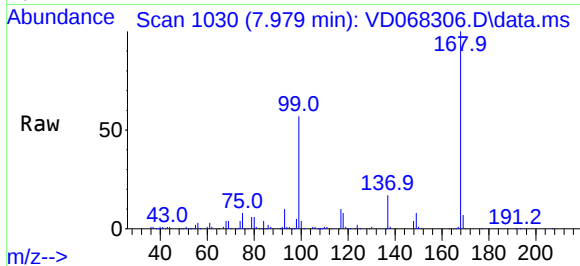




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

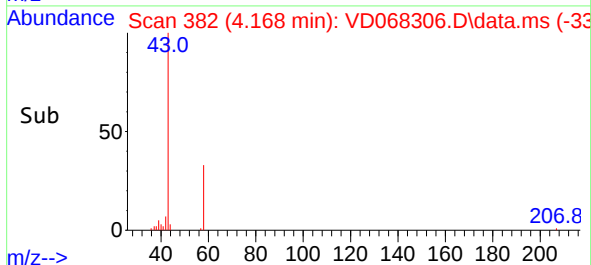
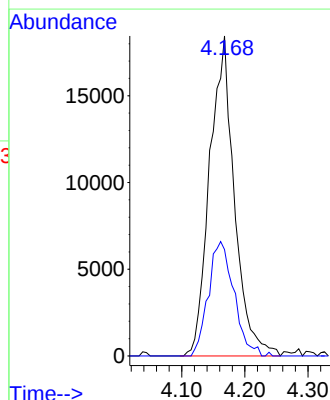
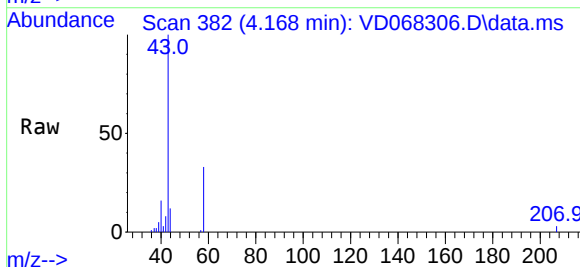
Instrument :
MSVOA_D
ClientSampled :
R-C

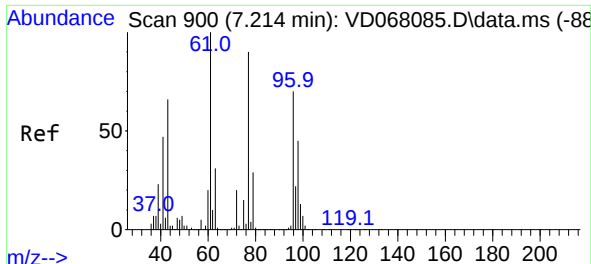
Tgt Ion:168 Resp: 478353
Ion Ratio Lower Upper
168 100
99 56.6 43.5 65.3



#16
Acetone
Concen: 61.36 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

Tgt Ion: 43 Resp: 50135
Ion Ratio Lower Upper
43 100
58 33.3 24.2 36.4

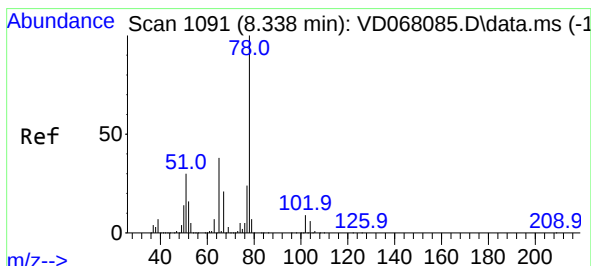
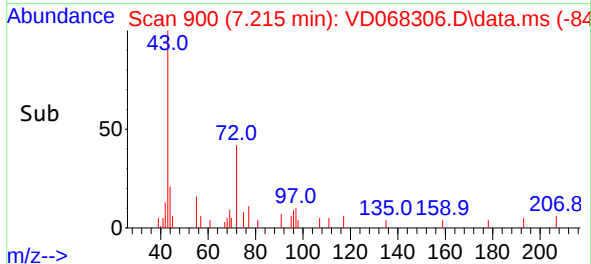
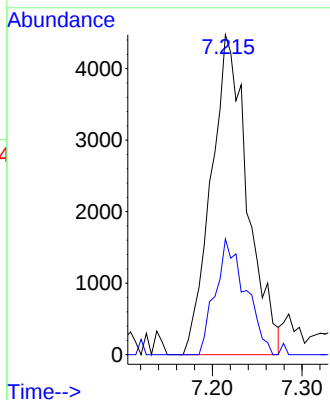
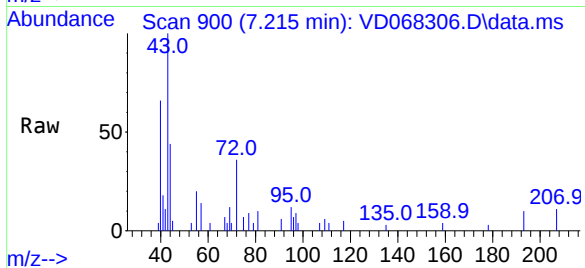




#25
2-Butanone
Concen: 10.24 ug/l
RT: 7.215 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

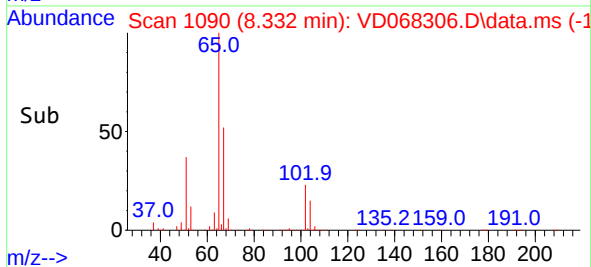
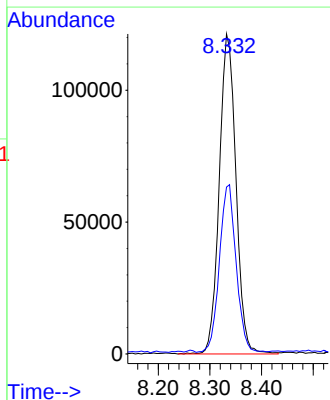
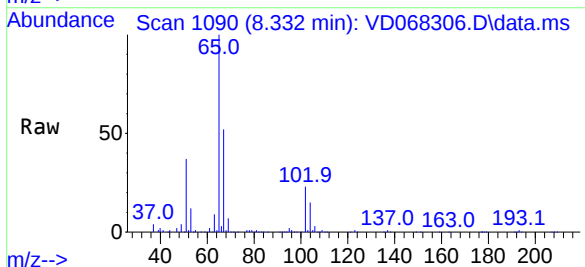
Instrument :
MSVOA_D
ClientSampled :
R-C

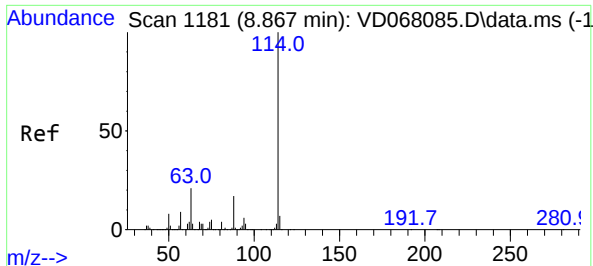
Tgt Ion: 43 Resp: 12597
Ion Ratio Lower Upper
43 100
72 36.2 25.1 37.7



#33
1,2-Dichloroethane-d4
Concen: 59.49 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.005 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

Tgt Ion: 65 Resp: 272238
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.0

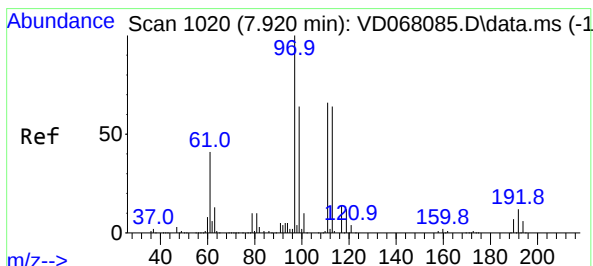
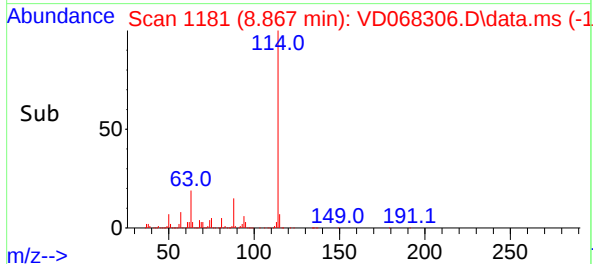
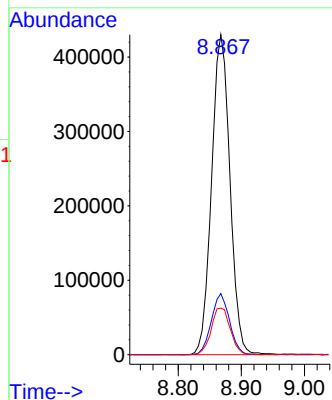
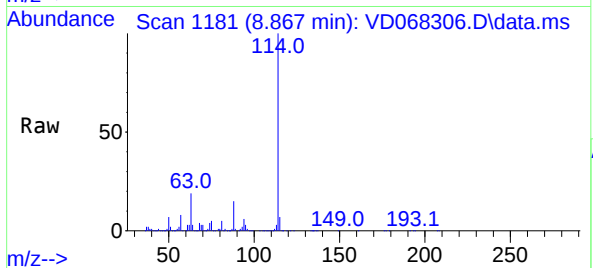




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

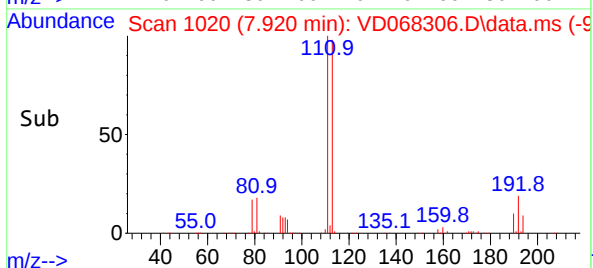
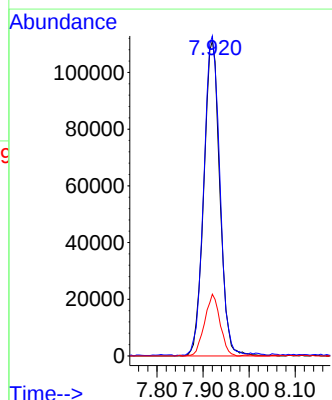
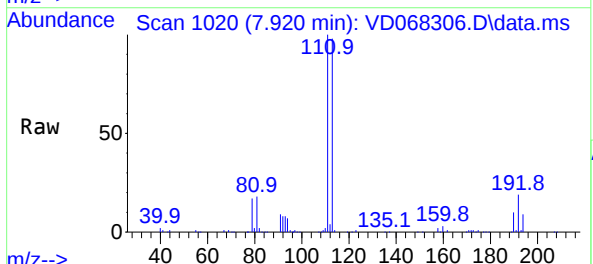
Instrument :
MSVOA_D
ClientSampled :
R-C

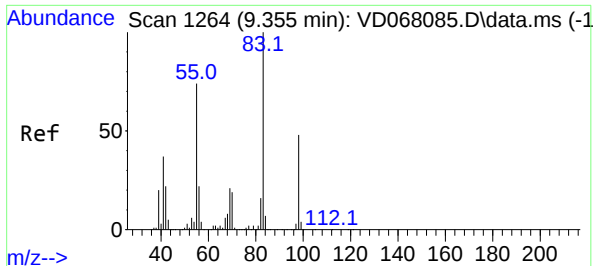
Tgt Ion:114 Resp: 869227
Ion Ratio Lower Upper
114 100
63 19.1 0.0 34.8
88 14.5 0.0 31.6



#35
Dibromofluoromethane
Concen: 55.95 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

Tgt Ion:113 Resp: 268870
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 18.9 16.1 24.1





#39

Methylcyclohexane

Concen: 4.05 ug/l

RT: 9.356 min Scan# 1264

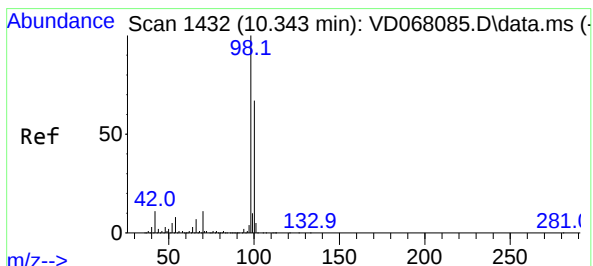
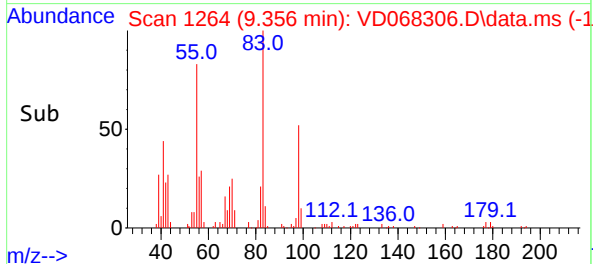
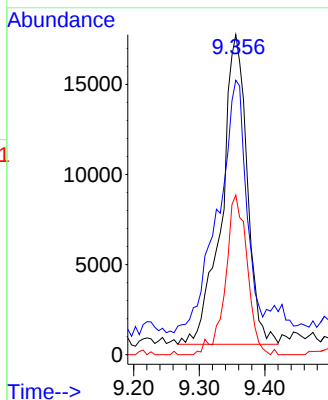
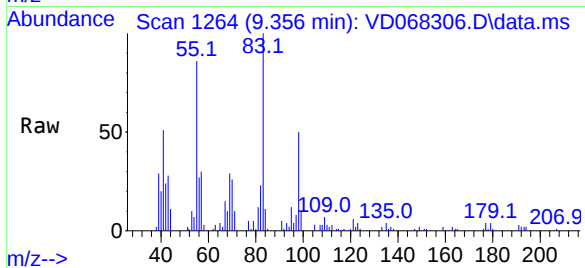
Delta R.T. 0.000 min

Lab File: VD068306.D

Acq: 05 Feb 2021 17:41

Tgt Ion:	83	Resp:	46452
Ion	Ratio	Lower	Upper
83	100		
55	79.4	55.2	82.8
98	51.6	39.1	58.7

Instrument :
MSVOA_D
ClientSampled :
R-C



#50

Toluene-d8

Concen: 48.71 ug/l

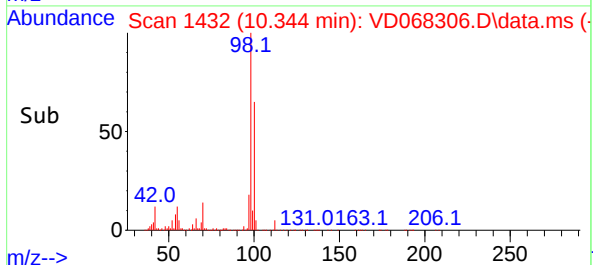
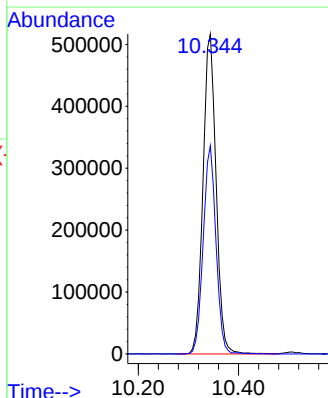
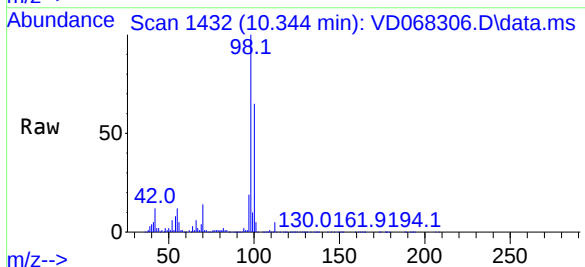
RT: 10.344 min Scan# 1432

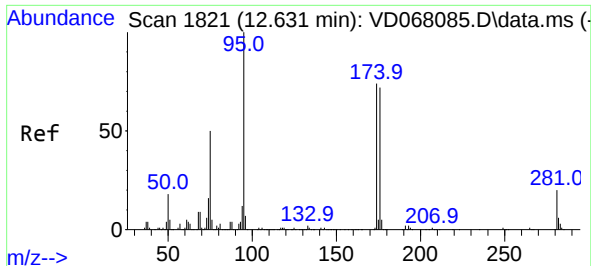
Delta R.T. 0.000 min

Lab File: VD068306.D

Acq: 05 Feb 2021 17:41

Tgt Ion:	98	Resp:	936237
Ion	Ratio	Lower	Upper
98	100		
100	63.5	53.0	79.4

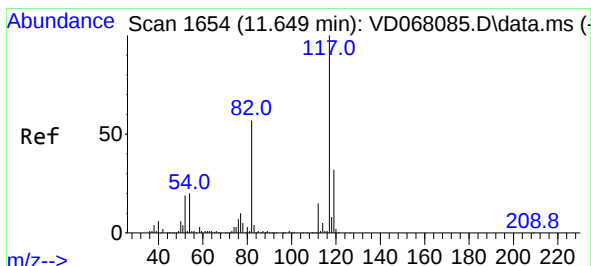
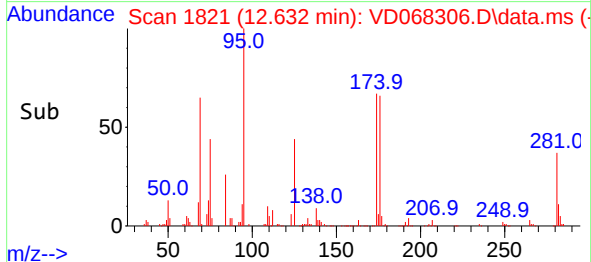
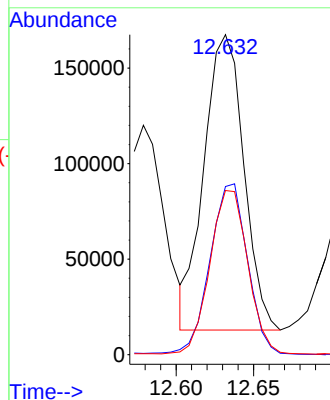
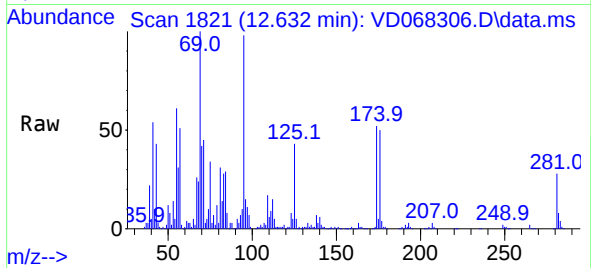




#62
4-Bromofluorobenzene
Concen: 39.82 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

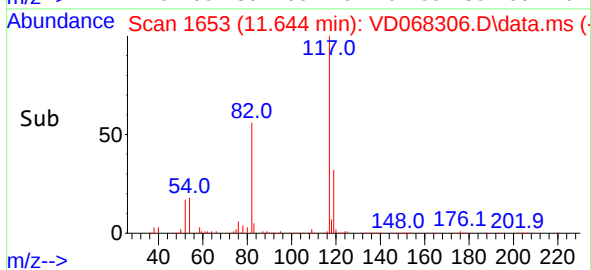
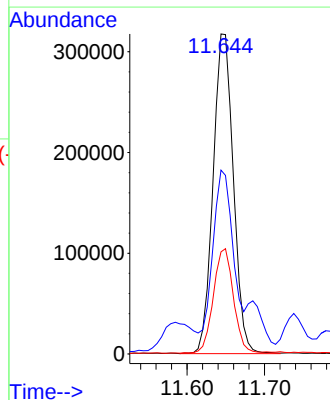
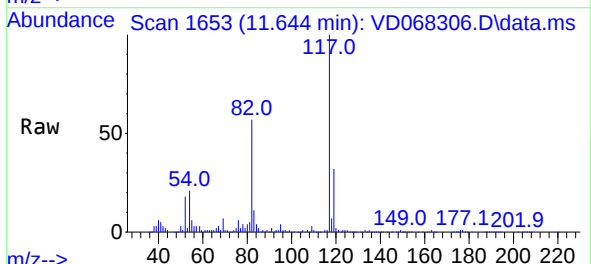
Instrument :
MSVOA_D
ClientSampled :
R-C

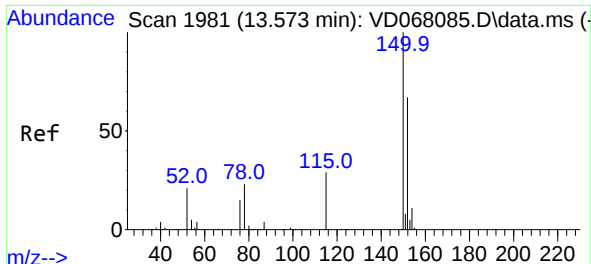
Tgt Ion: 95 Resp: 275658
Ion Ratio Lower Upper
95 100
174 55.0 0.0 172.4
176 53.5 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

Tgt Ion: 117 Resp: 576814
Ion Ratio Lower Upper
117 100
82 53.0 41.4 62.0
119 31.6 26.1 39.1

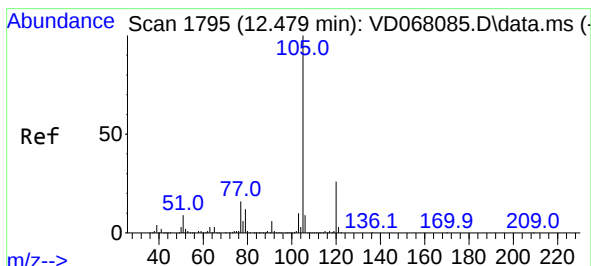
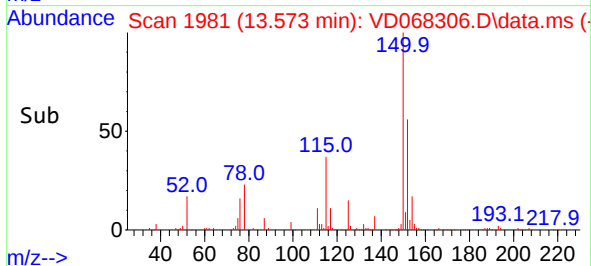
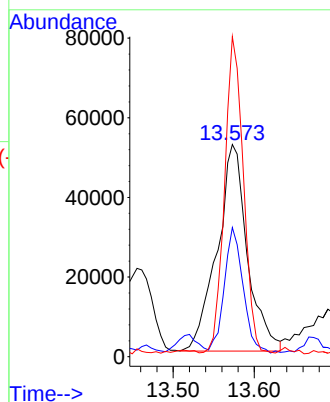
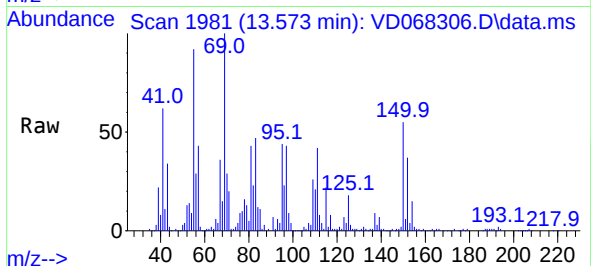




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

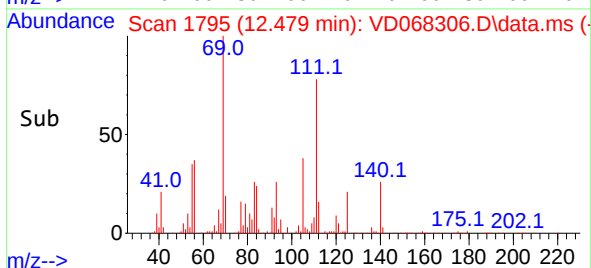
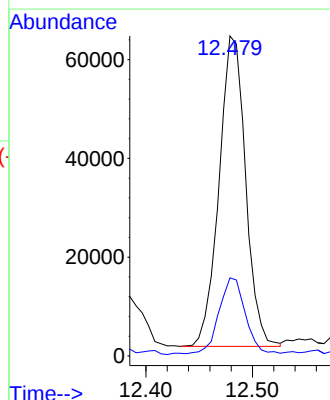
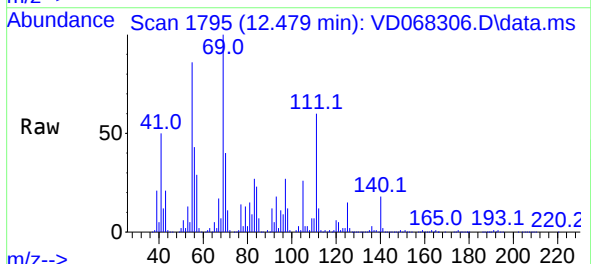
Instrument :
MSVOA_D
ClientSampled :
R-C

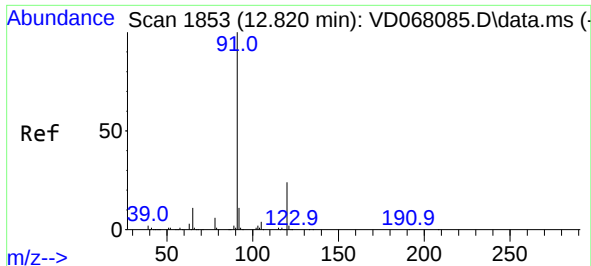
Tgt Ion:152 Resp: 134734
Ion Ratio Lower Upper
152 100
115 37.2 28.9 86.8
150 95.0 0.0 344.4



#73
Isopropylbenzene
Concen: 9.71 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

Tgt Ion:105 Resp: 108829
Ion Ratio Lower Upper
105 100
120 24.9 13.2 39.6

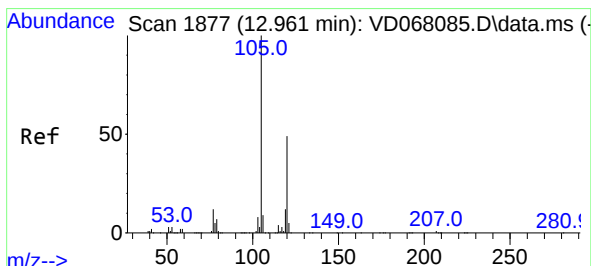
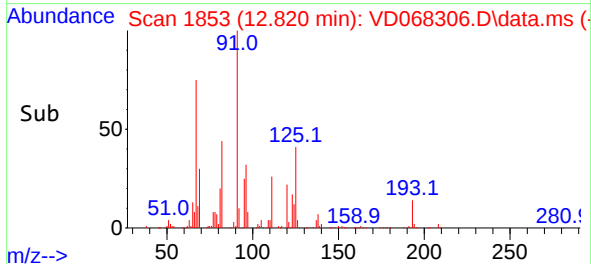
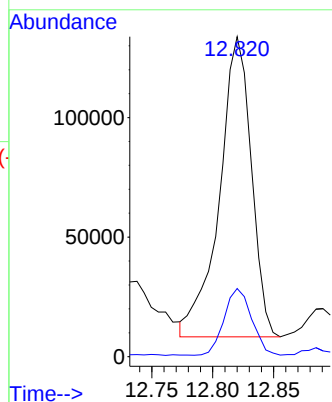
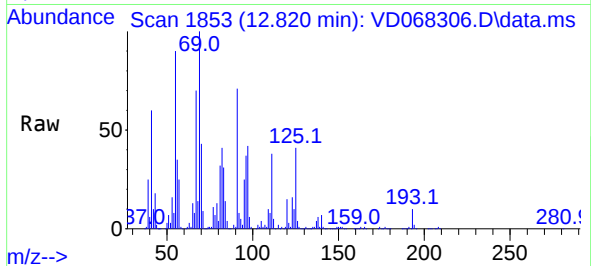




#78
n-propylbenzene
Concen: 17.25 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

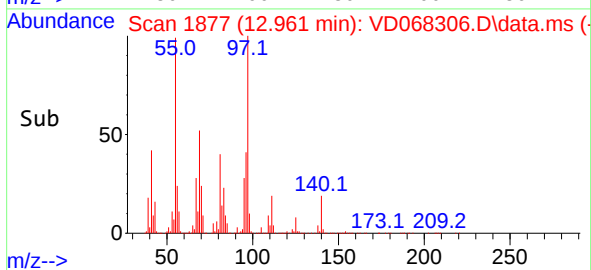
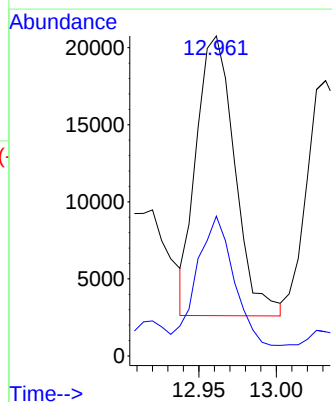
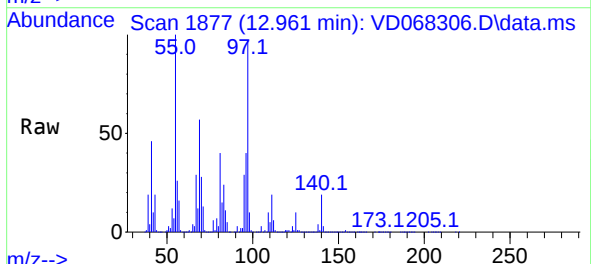
Instrument :
MSVOA_D
ClientSampled :
R-C

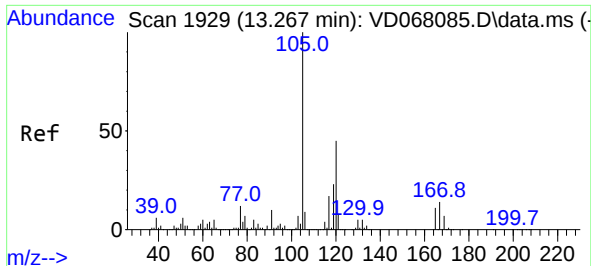
Tgt Ion: 91 Resp: 228858
Ion Ratio Lower Upper
91 100
120 19.1 12.0 36.0



#80
1,3,5-Trimethylbenzene
Concen: 3.35 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

Tgt Ion: 105 Resp: 31269
Ion Ratio Lower Upper
105 100
120 43.8 24.2 72.6

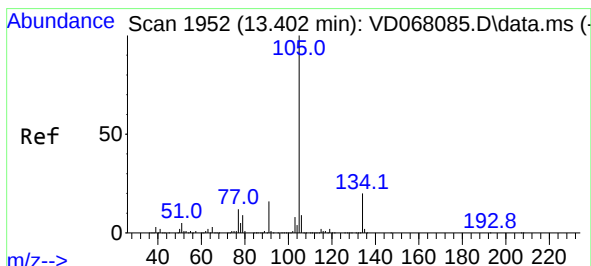
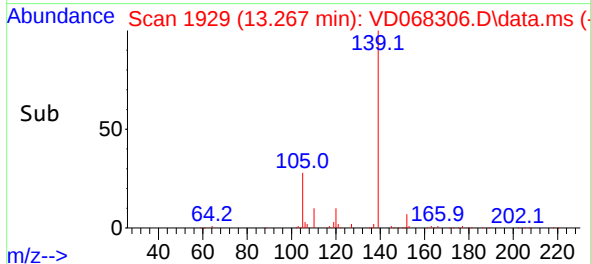
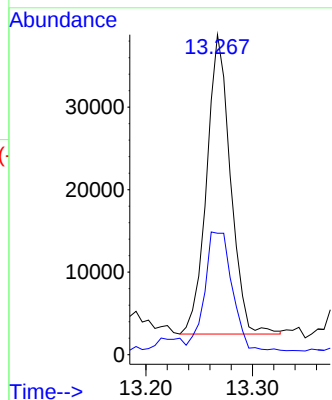
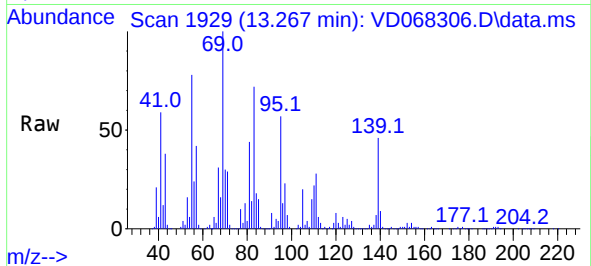




#84
1,2,4-Trimethylbenzene
Concen: 6.08 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

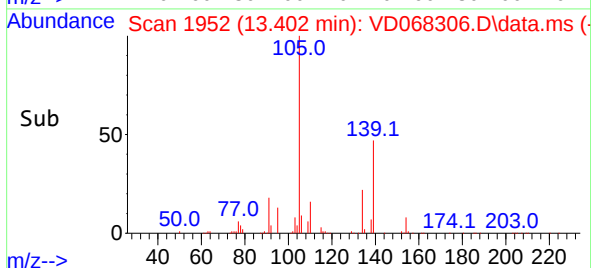
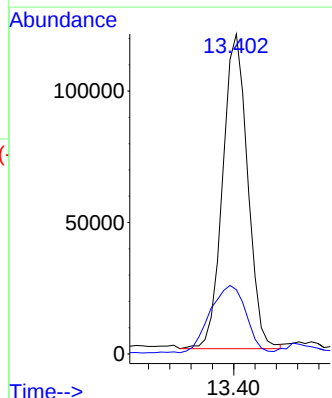
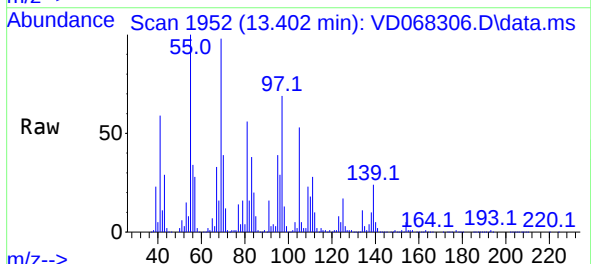
Instrument :
MSVOA_D
ClientSampled :
R-C

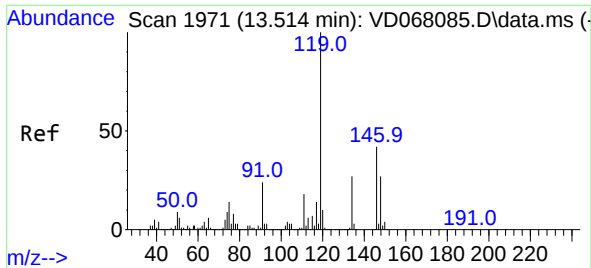
Tgt Ion:105 Resp: 56381
Ion Ratio Lower Upper
105 100
120 45.6 22.4 67.0



#85
sec-Butylbenzene
Concen: 17.55 ug/l
RT: 13.402 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VD068306.D
Acq: 05 Feb 2021 17:41

Tgt Ion:105 Resp: 194267
Ion Ratio Lower Upper
105 100
134 31.3 10.3 30.9#





#86
 p-Isopropyltoluene
 Concen: 9.00 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. 0.000 min
 Lab File: VD068306.D
 Acq: 05 Feb 2021 17:41

Instrument :
 MSVOA_D
 ClientSampled :
 R-C

Tgt Ion:119 Resp: 90551

Ion	Ratio	Lower	Upper
119	100		
134	27.0	12.9	38.7
91	26.0	11.7	35.0

