

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068171.D
 Acq On : 25 Jan 2021 15:57
 Operator : VA/SY
 Sample : M1218-01
 Misc : 1.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 240

Quant Time: Jan 26 00:09:30 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	197447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	351298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	195158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	36673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.338	65	131179	69.45	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.90%
35) Dibromofluoromethane	7.920	113	117409	60.45	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.90%
50) Toluene-d8	10.344	98	336437	43.31	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.62%
62) 4-Bromofluorobenzene	12.632	95	67074	23.98	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	47.96%

Target Compounds

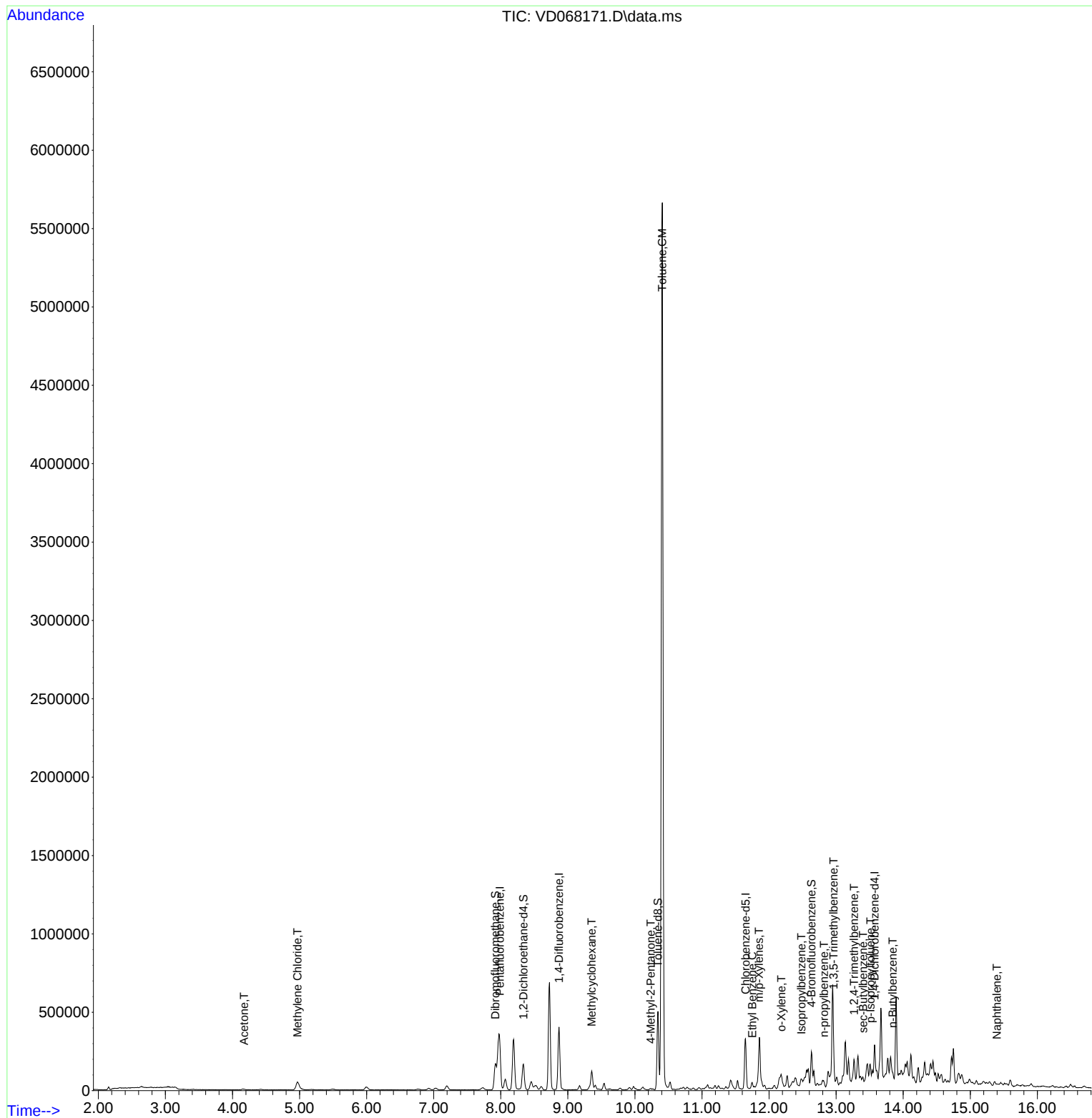
						Qvalue
16) Acetone	4.173	43	9668	28.67	ug/l	99
20) Methylene Chloride	4.967	84	39737	13.99	ug/l	95
39) Methylcyclohexane	9.355	83	44832	9.68	ug/l	94
51) 4-Methyl-2-Pentanone	10.238	43	5237	4.31	ug/l	94
52) Toluene	10.408	92	2547749	394.77	ug/l	97
67) Ethyl Benzene	11.749	91	28513	3.71	ug/l	98
68) m/p-Xylenes	11.849	106	43162	14.89	ug/l	93
69) o-Xylene	12.185	106	17802	6.61	ug/l	96
73) Isopropylbenzene	12.485	105	24099	7.90	ug/l	97
78) n-propylbenzene	12.820	91	21100	5.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	31667	12.46	ug/l	96
84) 1,2,4-Trimethylbenzene	13.267	105	87581	34.72	ug/l	99
85) sec-Butylbenzene	13.402	105	14621	4.85	ug/l	91
86) p-Isopropyltoluene	13.514	119	10762	3.93	ug/l	92
89) n-Butylbenzene	13.843	91	22933	8.72	ug/l #	70
95) Naphthalene	15.396	128	8702	6.28	ug/l #	94

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

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240

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
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Response via : Initial Calibration

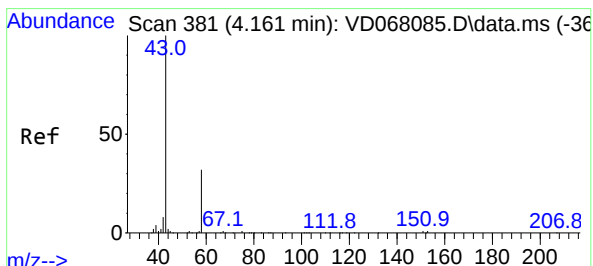
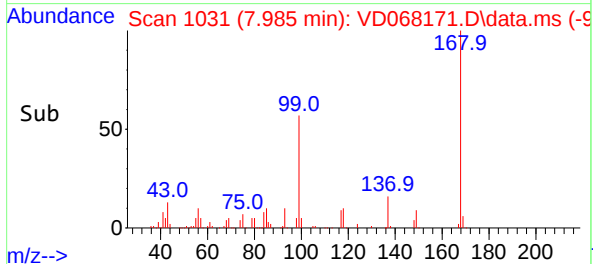
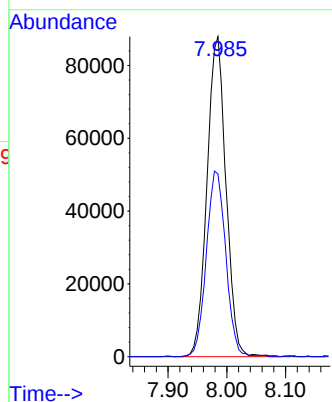
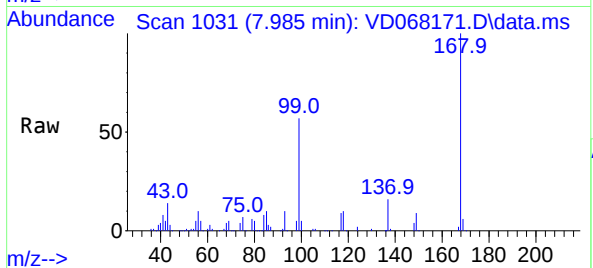




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

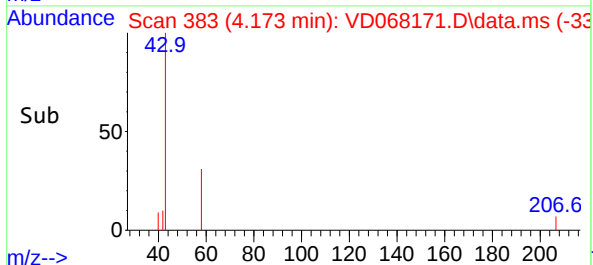
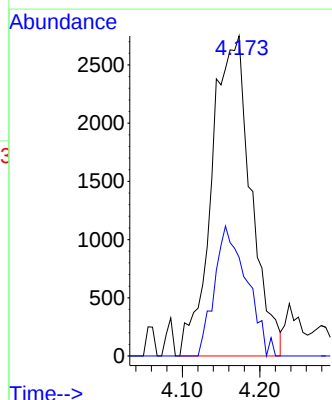
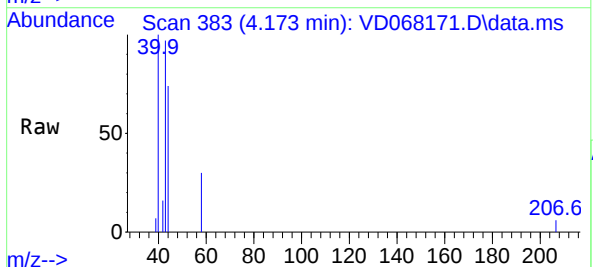
Instrument :
MSVOA_D
ClientSampleId :
240

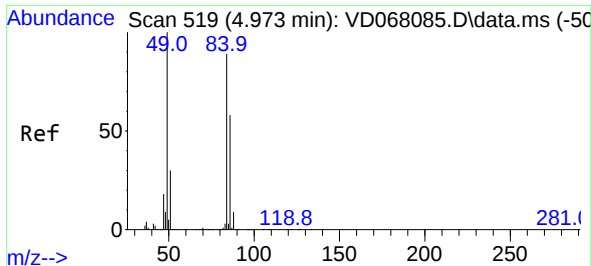
Tgt Ion:168 Resp: 197447
Ion Ratio Lower Upper
168 100
99 57.1 43.5 65.3



#16
Acetone
Concen: 28.67 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion: 43 Resp: 9668
Ion Ratio Lower Upper
43 100
58 30.9 24.2 36.4



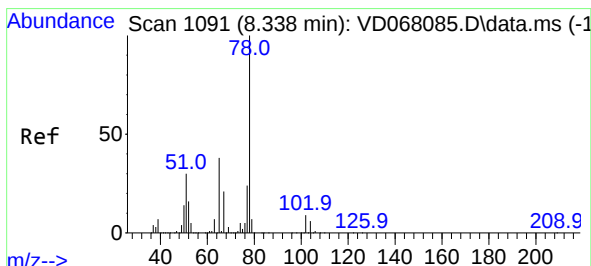
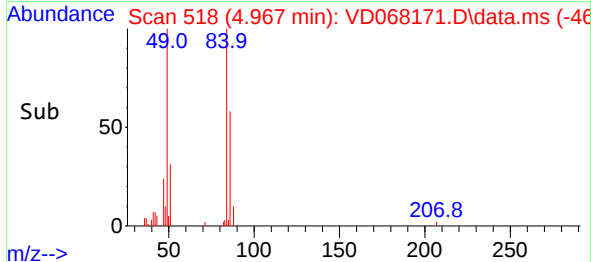
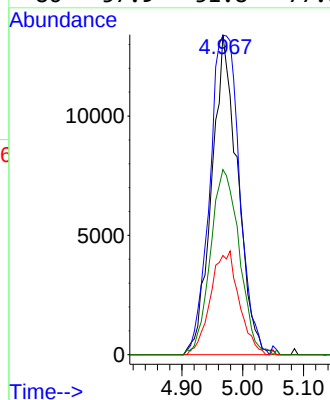
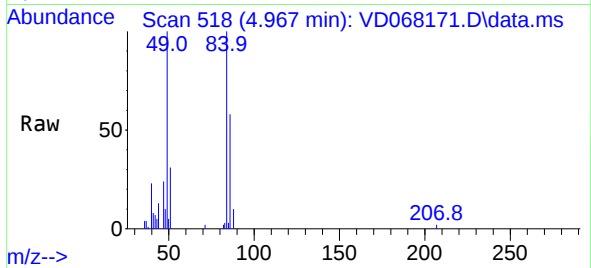


#20
Methylene Chloride
Concen: 13.99 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Instrument :
MSVOA_D
ClientSampleId :
240

Tgt Ion: 84 Resp: 39737

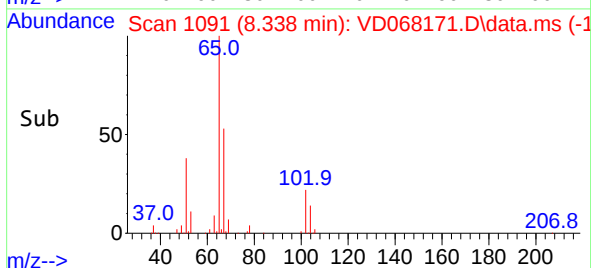
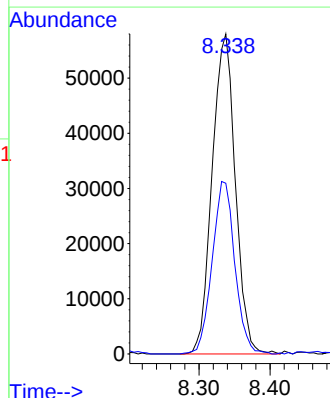
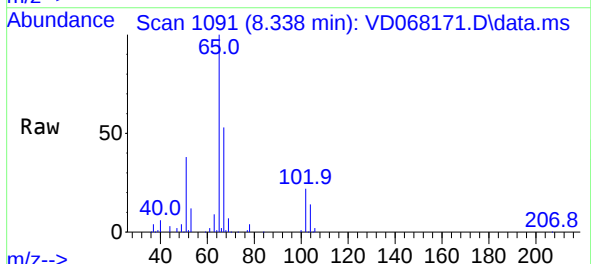
Ion	Ratio	Lower	Upper
84	100		
49	99.8	77.4	116.2
51	31.0	26.1	39.1
86	57.9	51.8	77.8

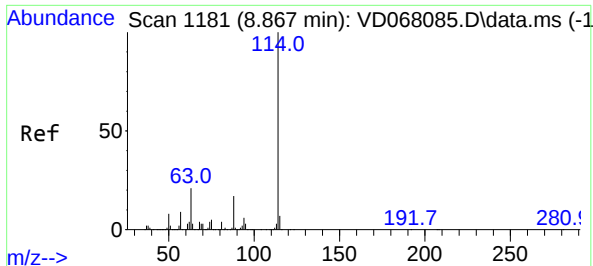


#33
1,2-Dichloroethane-d4
Concen: 69.45 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion: 65 Resp: 131179

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.0

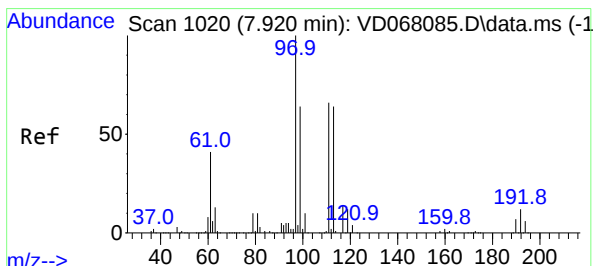
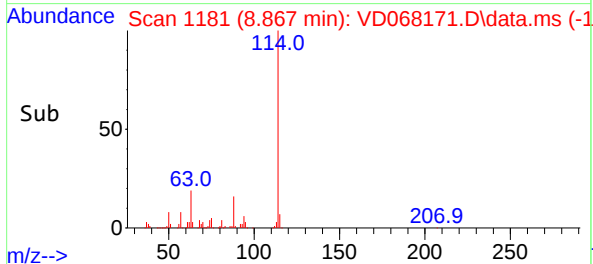
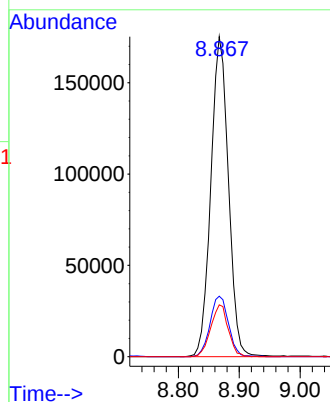
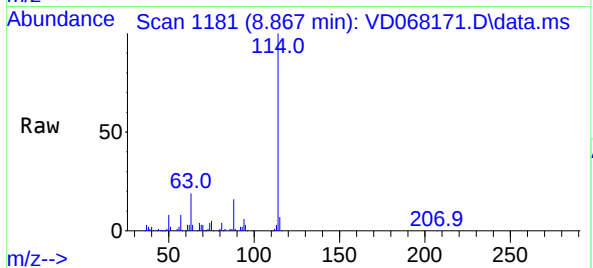




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

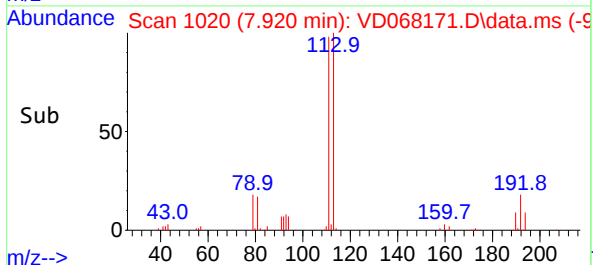
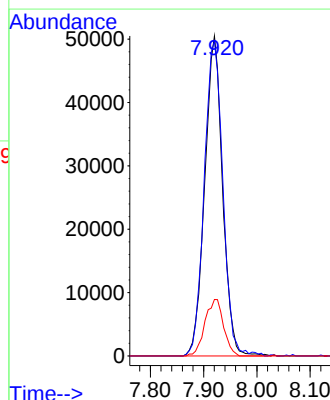
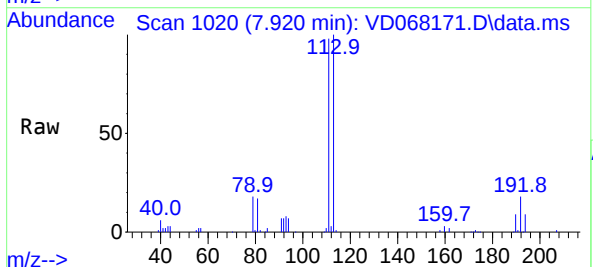
Instrument :
MSVOA_D
ClientSampleId :
240

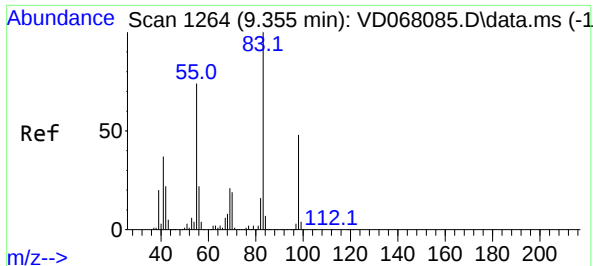
Tgt Ion:	114	Resp:	351298
Ion Ratio	Lower	Upper	
114	100		
63	18.9	0.0	34.8
88	16.2	0.0	31.6



#35
Dibromofluoromethane
Concen: 60.45 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion:	113	Resp:	117409
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.4	122.0
192	18.4	16.1	24.1





#39

Methylcyclohexane

Concen: 9.68 ug/l

RT: 9.355 min Scan# 1264

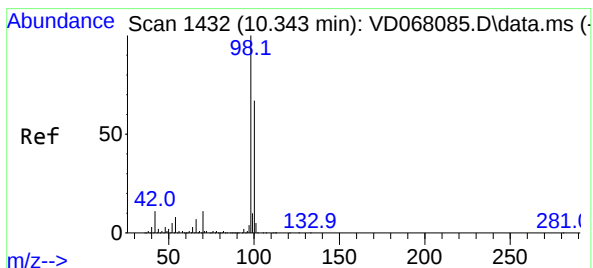
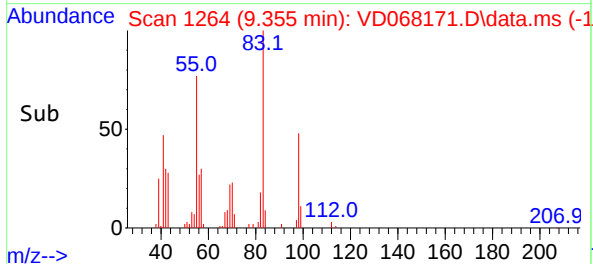
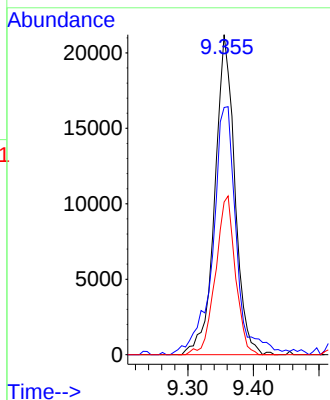
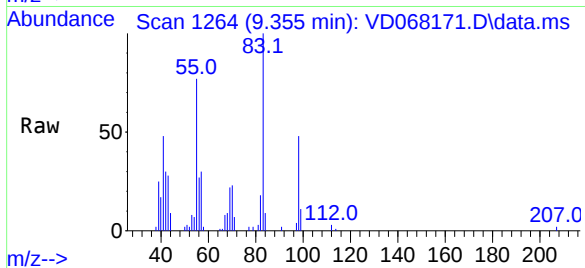
Delta R.T. 0.000 min

Lab File: VD068171.D

Acq: 25 Jan 2021 15:57

Tgt Ion:	83	Resp:	44832
Ion	Ratio	Lower	Upper
83	100		
55	75.7	55.2	82.8
98	47.7	39.1	58.7

Instrument :
MSVOA_D
ClientSampleId :
240



#50

Toluene-d8

Concen: 43.31 ug/l

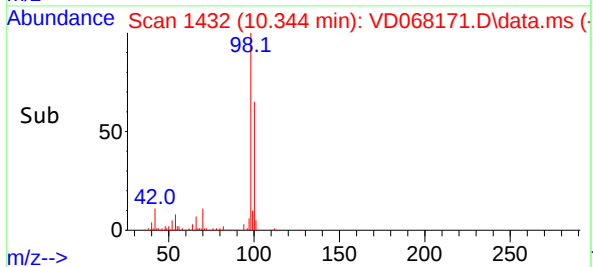
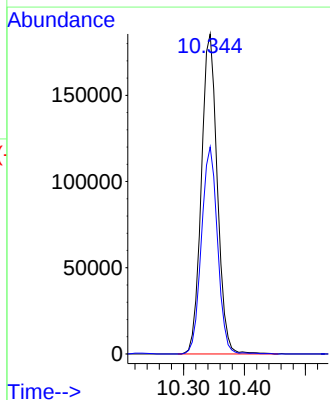
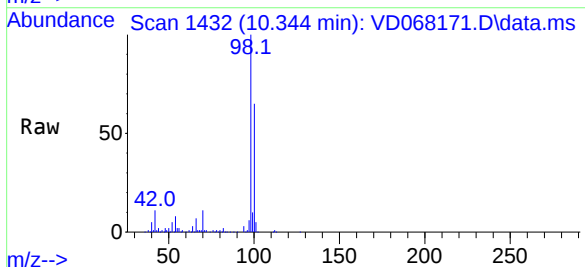
RT: 10.344 min Scan# 1432

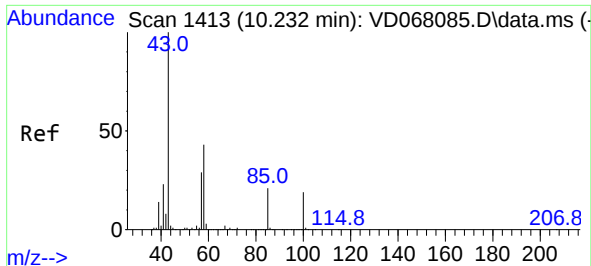
Delta R.T. 0.000 min

Lab File: VD068171.D

Acq: 25 Jan 2021 15:57

Tgt Ion:	98	Resp:	336437
Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.4

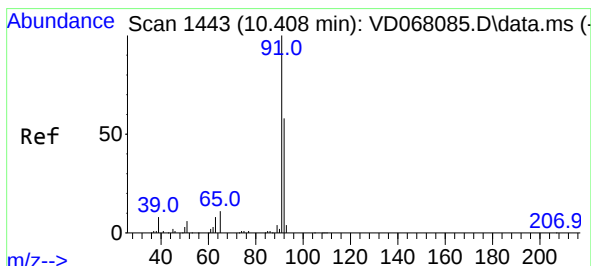
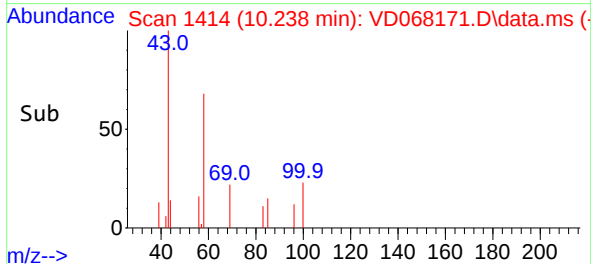
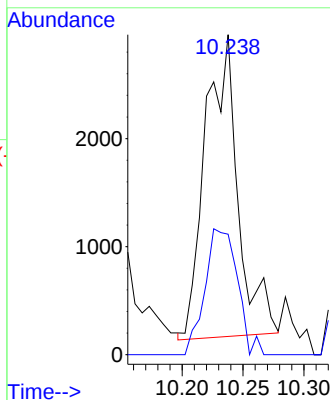
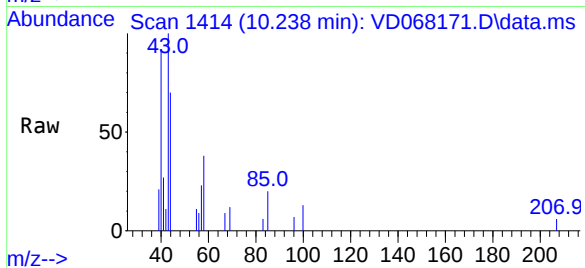




#51
4-Methyl-2-Pentanone
Concen: 4.31 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.006 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

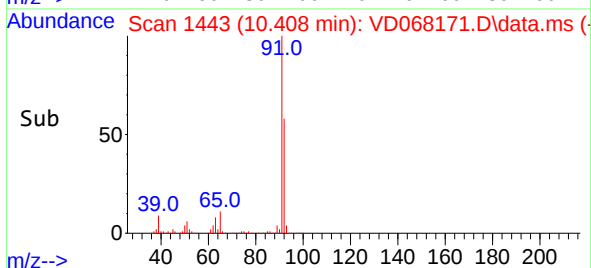
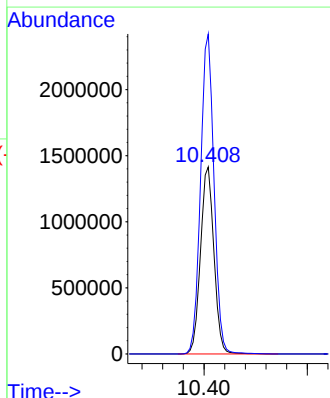
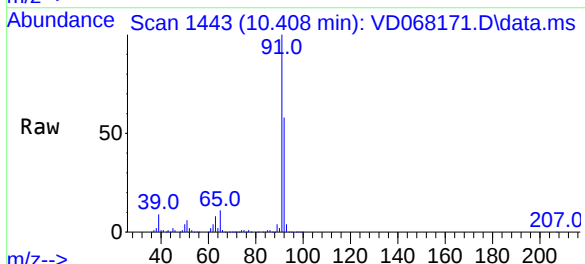
Instrument :
MSVOA_D
ClientSampleId :
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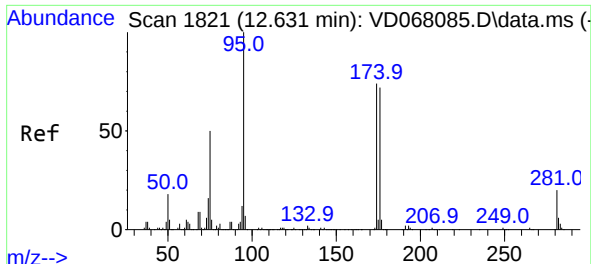
Tgt Ion: 43 Resp: 5237
Ion Ratio Lower Upper
43 100
58 41.2 36.1 54.1



#52
Toluene
Concen: 394.77 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion: 92 Resp: 2547749
Ion Ratio Lower Upper
92 100
91 171.2 134.1 201.1

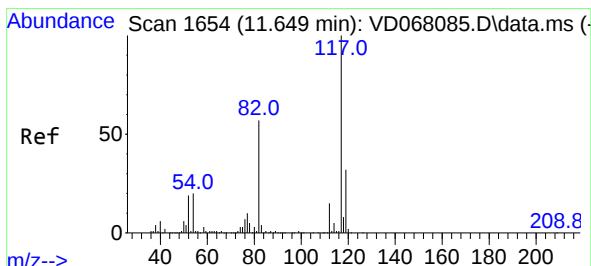
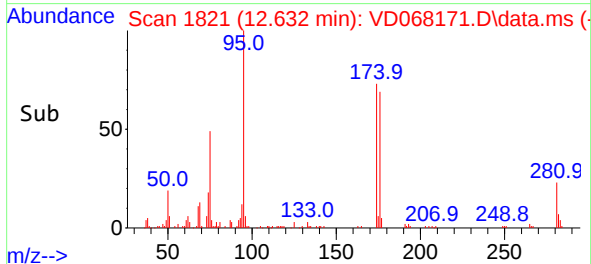
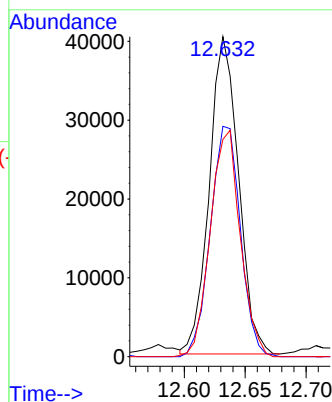
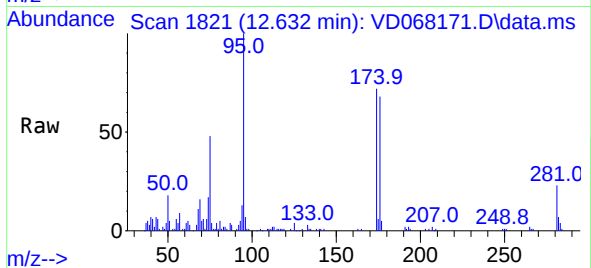




#62
4-Bromofluorobenzene
Concen: 23.98 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

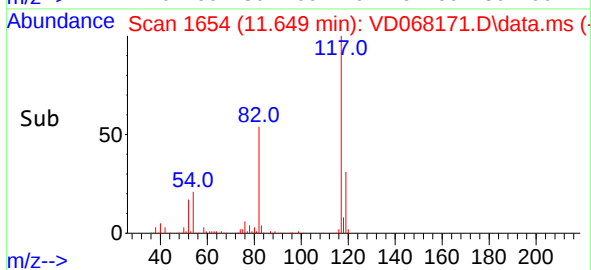
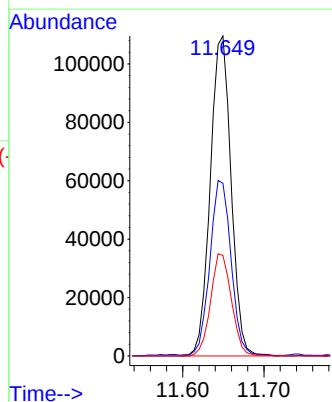
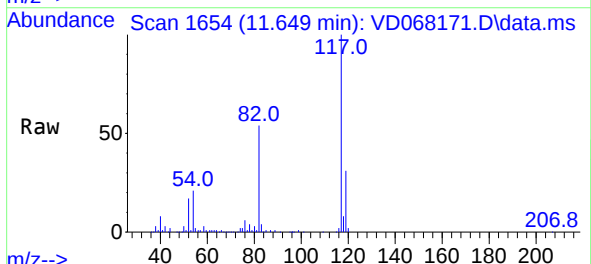
Instrument :
MSVOA_D
ClientSampled :
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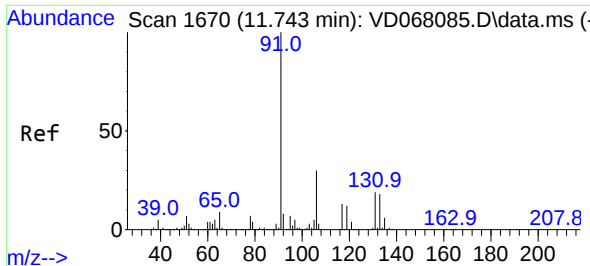
Tgt Ion: 95 Resp: 67074
Ion Ratio Lower Upper
95 100
174 74.7 0.0 172.4
176 73.2 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion: 117 Resp: 195158
Ion Ratio Lower Upper
117 100
82 53.7 41.4 62.0
119 31.4 26.1 39.1

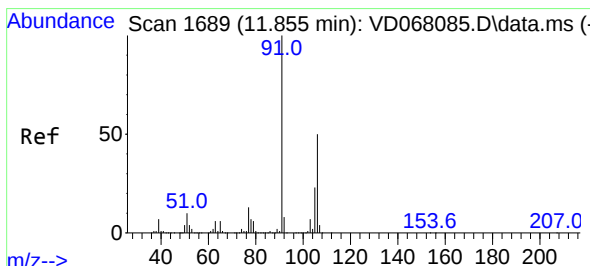
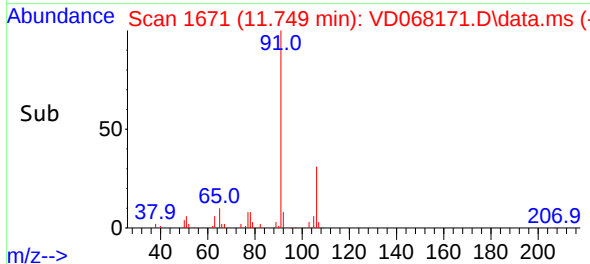
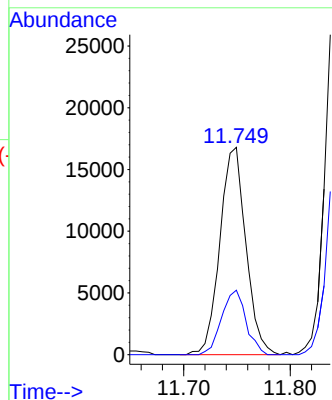
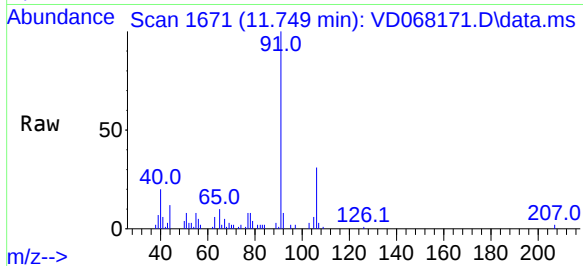




#67
Ethyl Benzene
Concen: 3.71 ug/l
RT: 11.749 min Scan# 1671
Delta R.T. 0.006 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

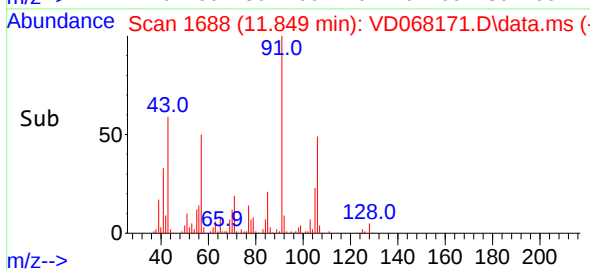
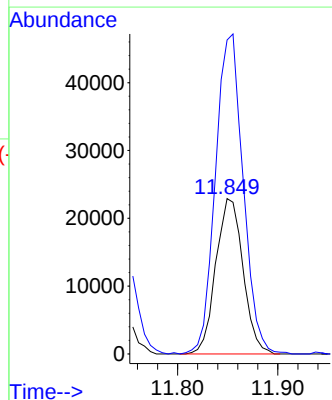
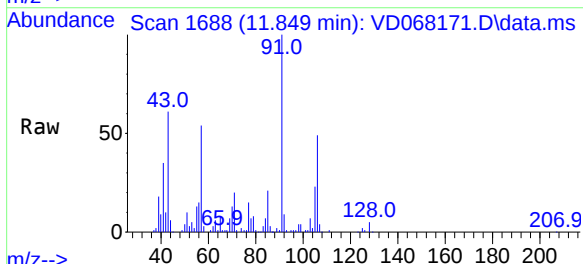
Instrument :
MSVOA_D
ClientSampled :
240

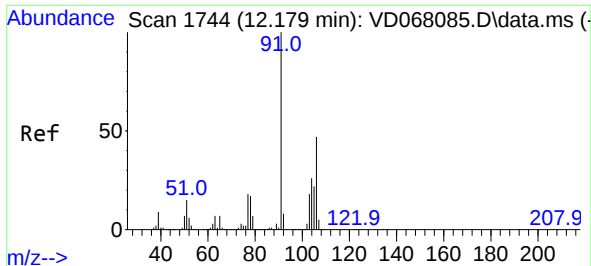
Tgt Ion: 91 Resp: 28513
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9



#68
m/p-Xylenes
Concen: 14.89 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion:106 Resp: 43162
Ion Ratio Lower Upper
106 100
91 209.9 159.1 238.7

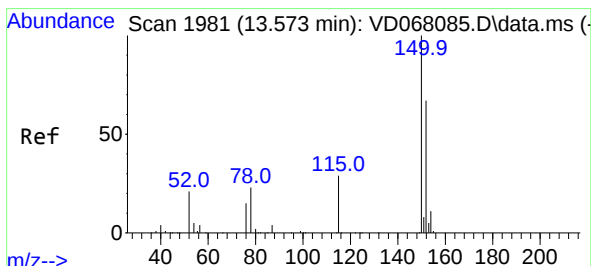
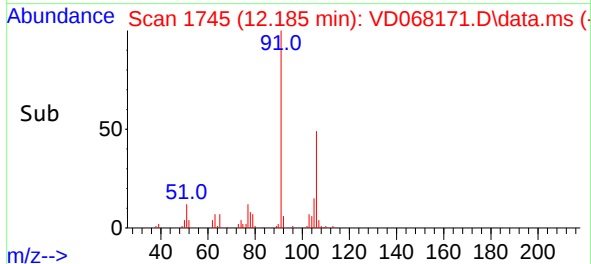
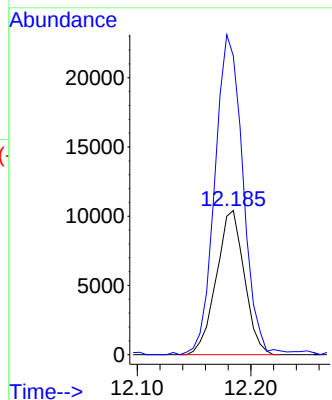
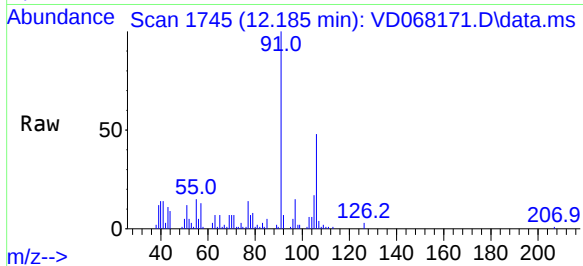




#69
o-Xylene
Concen: 6.61 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.006 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

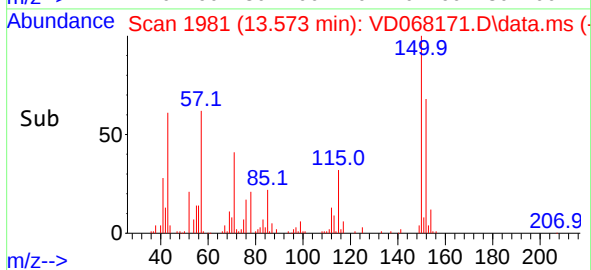
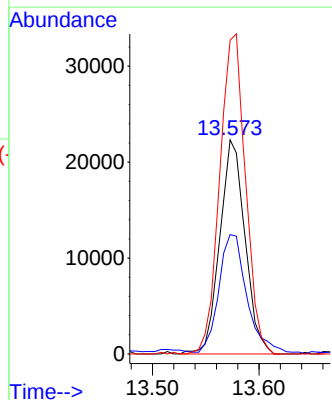
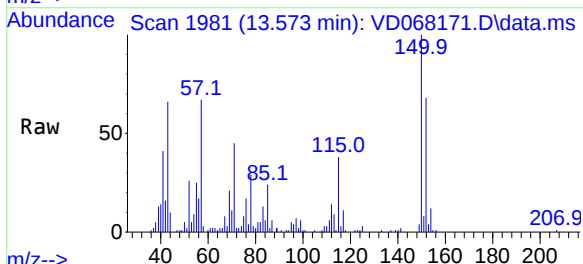
Instrument :
MSVOA_D
ClientSampleId :
240

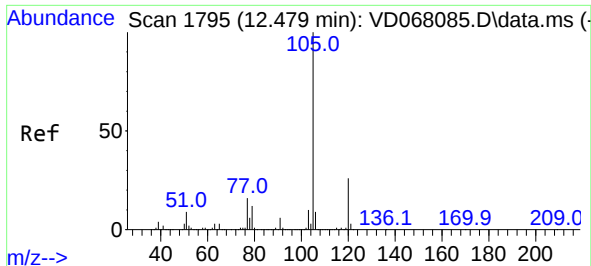
Tgt Ion:106 Resp: 17802
Ion Ratio Lower Upper
106 100
91 223.3 108.7 325.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion:152 Resp: 36673
Ion Ratio Lower Upper
152 100
115 63.1 28.9 86.8
150 152.7 0.0 344.4

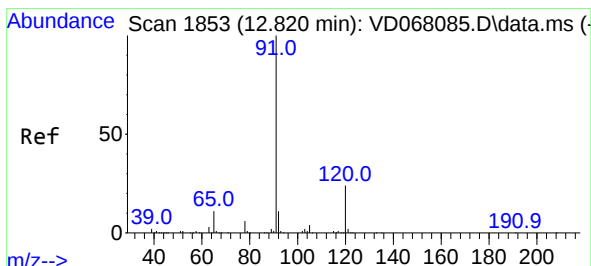
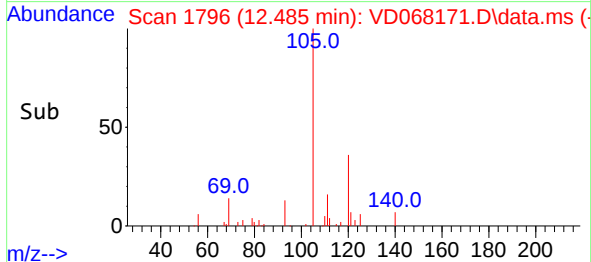
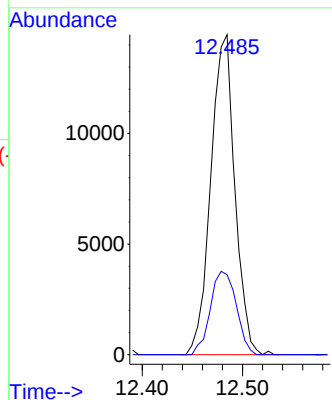
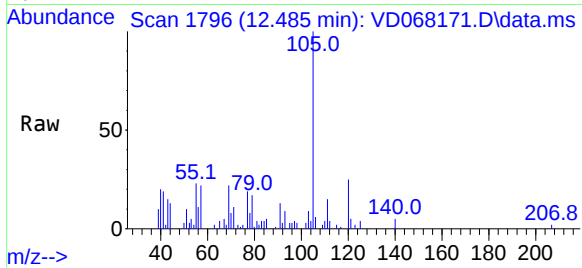




#73
Isopropylbenzene
Concen: 7.90 ug/l
RT: 12.485 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

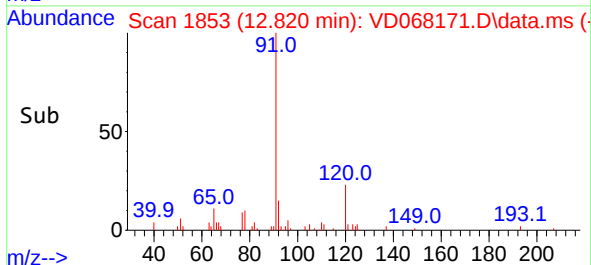
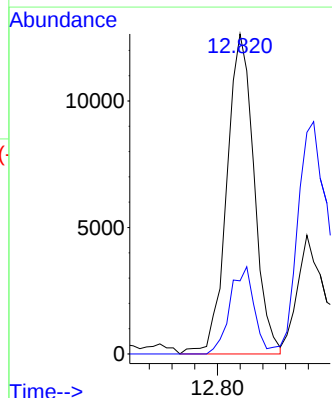
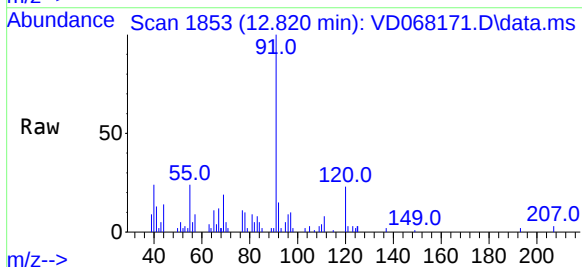
Instrument :
MSVOA_D
ClientSampleId :
240

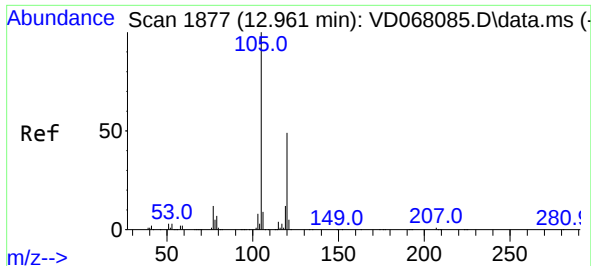
Tgt Ion:105 Resp: 24099
Ion Ratio Lower Upper
105 100
120 28.1 13.2 39.6



#78
n-propylbenzene
Concen: 5.84 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion: 91 Resp: 21100
Ion Ratio Lower Upper
91 100
120 24.2 12.0 36.0

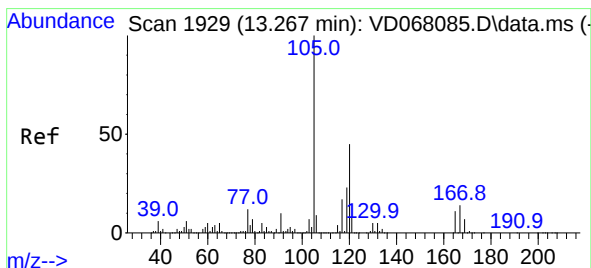
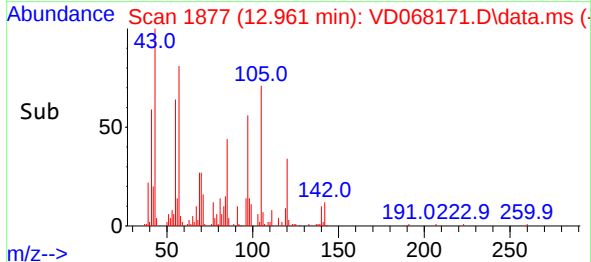
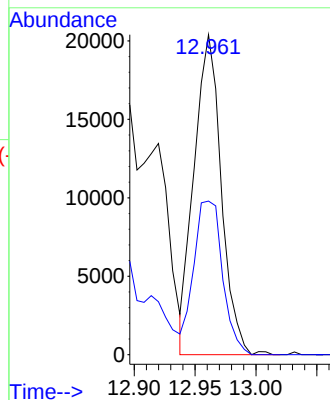
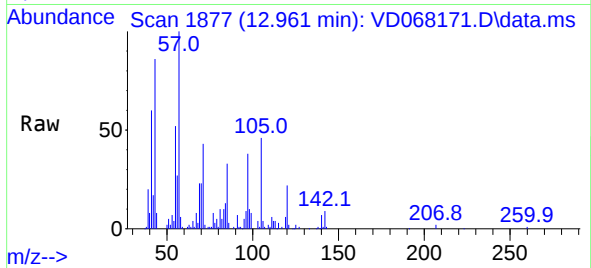




#80
1,3,5-Trimethylbenzene
Concen: 12.46 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

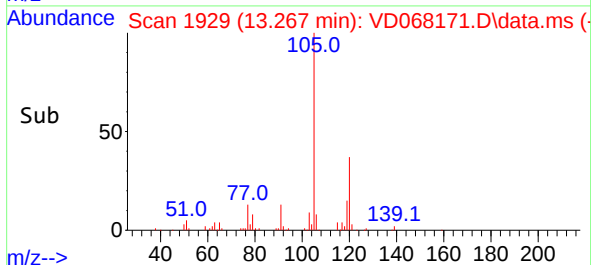
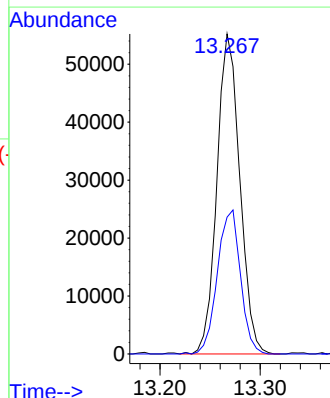
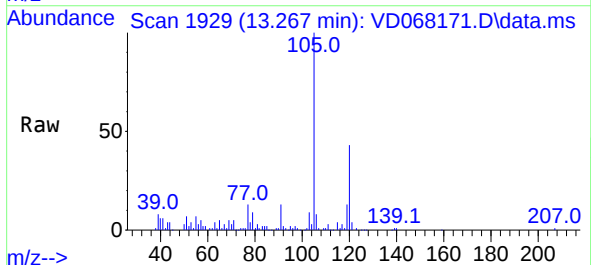
Instrument :
MSVOA_D
ClientSampleId :
240

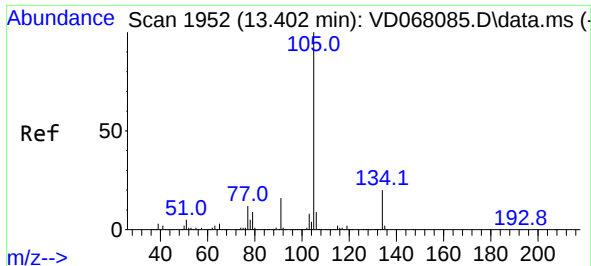
Tgt Ion:105 Resp: 31667
Ion Ratio Lower Upper
105 100
120 51.0 24.2 72.6



#84
1,2,4-Trimethylbenzene
Concen: 34.72 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion:105 Resp: 87581
Ion Ratio Lower Upper
105 100
120 45.4 22.4 67.0

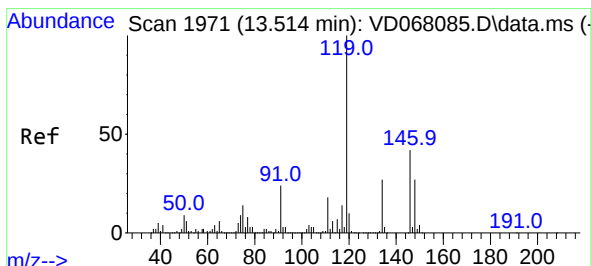
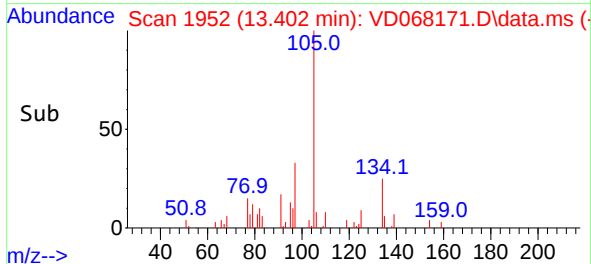
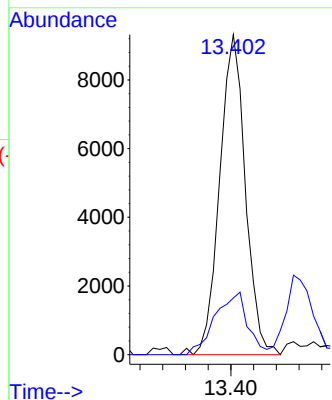
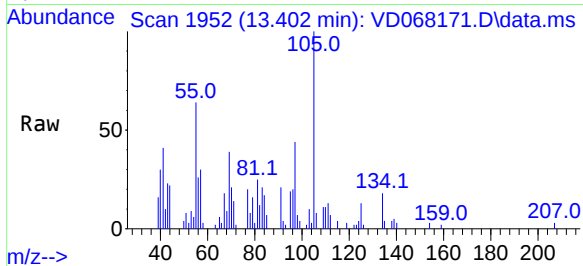




#85
sec-Butylbenzene
Concen: 4.85 ug/l
RT: 13.402 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

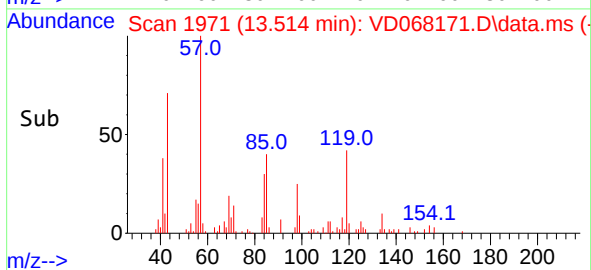
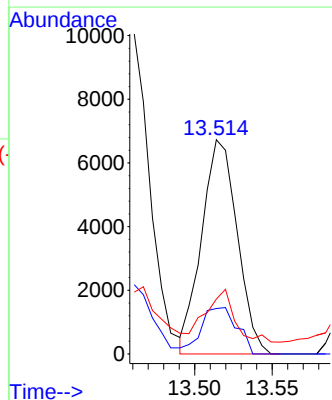
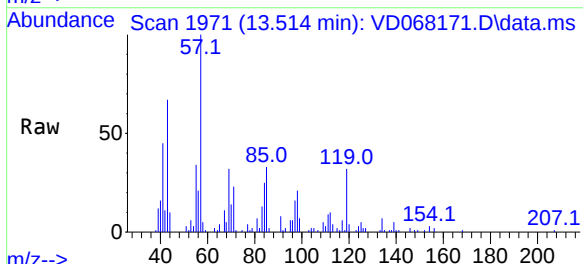
Instrument :
MSVOA_D
ClientSampled :
240

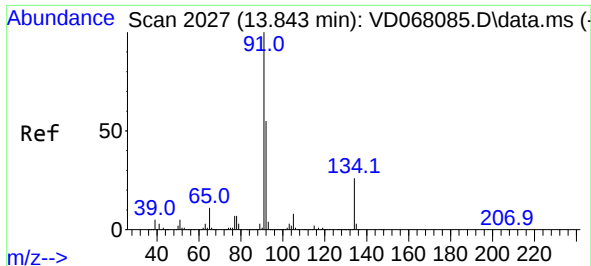
Tgt Ion:105 Resp: 14621
Ion Ratio Lower Upper
105 100
134 24.7 10.3 30.9



#86
p-Isopropyltoluene
Concen: 3.93 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion:119 Resp: 10762
Ion Ratio Lower Upper
119 100
134 21.8 12.9 38.7
91 19.4 11.7 35.0

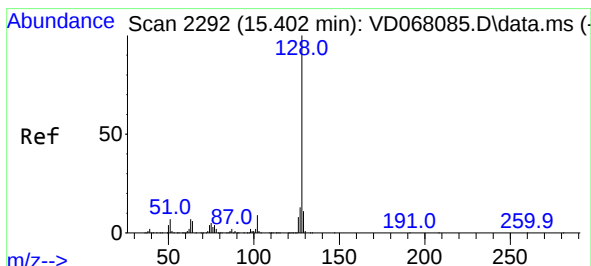
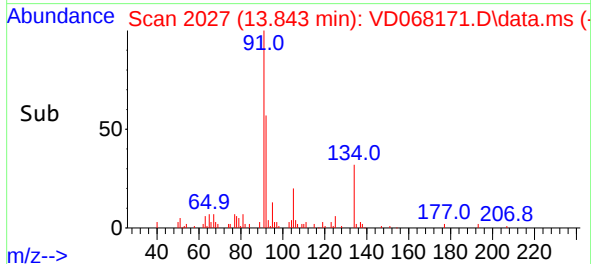
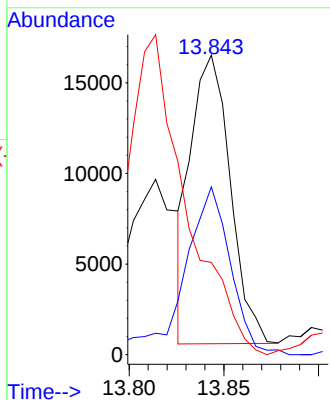
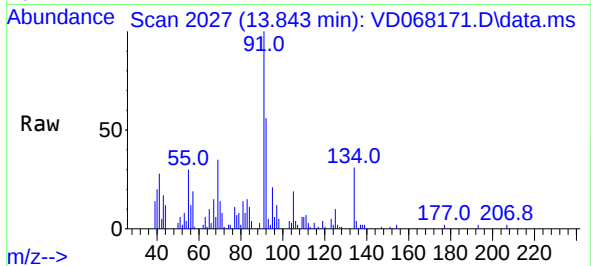




#89
n-Butylbenzene
Concen: 8.72 ug/l
RT: 13.843 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Instrument :
MSVOA_D
ClientSampled :
240

Tgt Ion:	91	Resp:	22933
Ion	Ratio	Lower	Upper
91	100		
92	67.7	27.2	81.6
134	0.0	13.9	41.7#



#95
Naphthalene
Concen: 6.28 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD068171.D
Acq: 25 Jan 2021 15:57

Tgt Ion:	128	Resp:	8702
Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.2	15.2
129	13.3	8.8	13.2#

