

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021621\
 Data File : VD068373.D
 Acq On : 16 Feb 2021 17:03
 Operator : VA/SY
 Sample : M1425-06
 Misc : 5.64G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SLUDGE-COMP

Quant Time: Feb 17 00:05:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

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

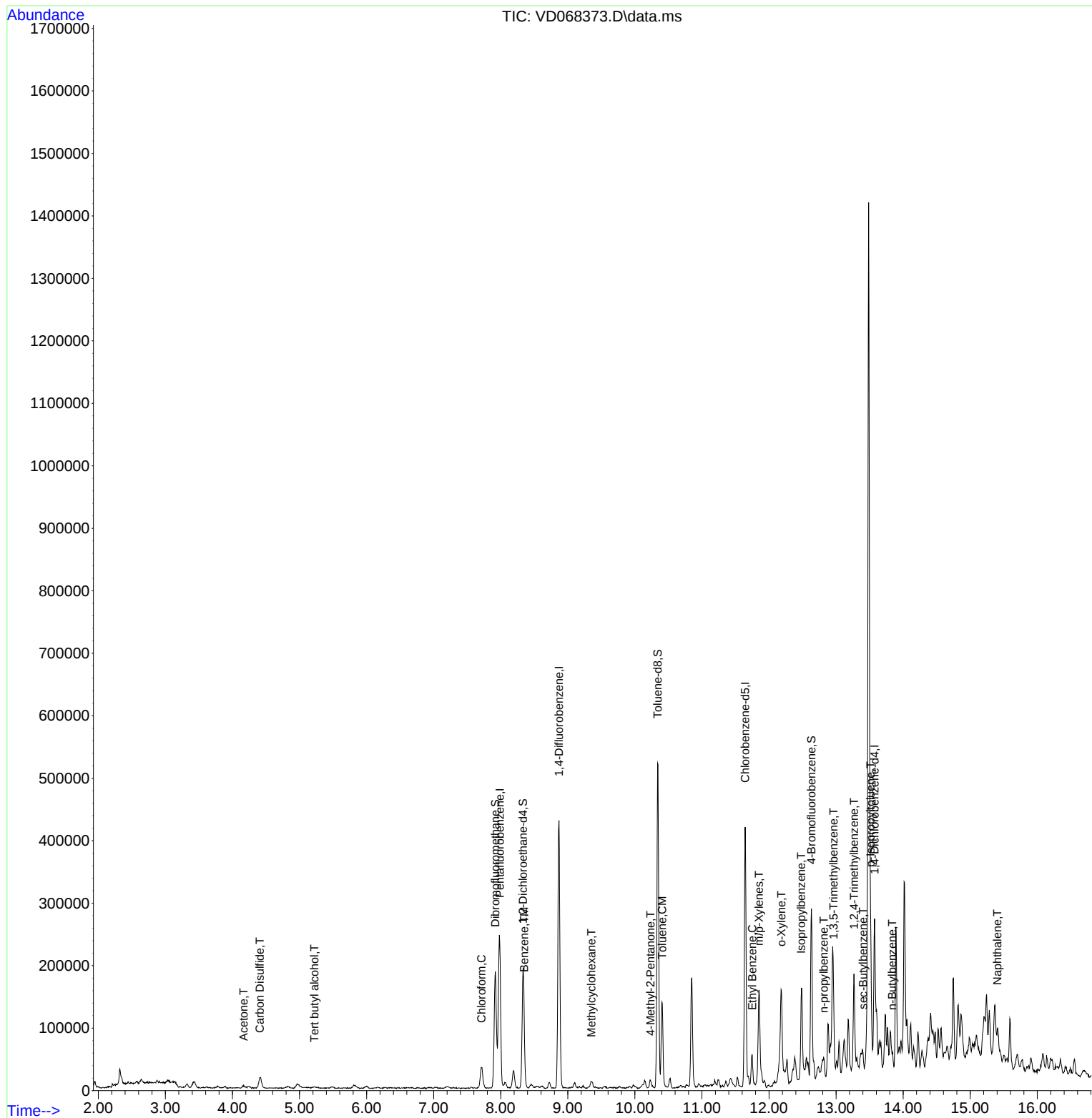
Internal Standards						
1) Pentafluorobenzene	7.985	168	179606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	383119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	242945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	56800	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	148947	81.12	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 162.24%			
35) Dibromofluoromethane	7.920	113	132025	58.06	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.12%			
50) Toluene-d8	10.338	98	365911	38.82	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 77.64%			
62) 4-Bromofluorobenzene	12.632	95	89692	29.21	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 58.42%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.220	59	3606	39.17	ug/l	99
16) Acetone	4.168	43	6079	21.46	ug/l	92
17) Carbon Disulfide	4.409	76	38955	7.87	ug/l	98
30) Chloroform	7.714	83	31885	9.12	ug/l	91
39) Methylcyclohexane	9.350	83	4296	1.03	ug/l	96
40) Benzene	8.350	78	10117	1.05	ug/l	98
51) 4-Methyl-2-Pentanone	10.232	43	9143	8.12	ug/l	94
52) Toluene	10.408	92	61046	9.82	ug/l	95
67) Ethyl Benzene	11.749	91	35410	4.23	ug/l	98
68) m/p-Xylenes	11.849	106	43246	13.66	ug/l	99
69) o-Xylene	12.185	106	36908	12.71	ug/l	94
73) Isopropylbenzene	12.479	105	18598	4.48	ug/l	92
78) n-propylbenzene	12.814	91	24841	5.00	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	41311	12.18	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	86852	25.71	ug/l	95
85) sec-Butylbenzene	13.402	105	13534	3.29	ug/l	88
86) p-Isopropyltoluene	13.514	119	130465	35.33	ug/l #	77
89) n-Butylbenzene	13.838	91	12395	3.44	ug/l #	74
95) Naphthalene	15.402	128	13823	7.30	ug/l #	83

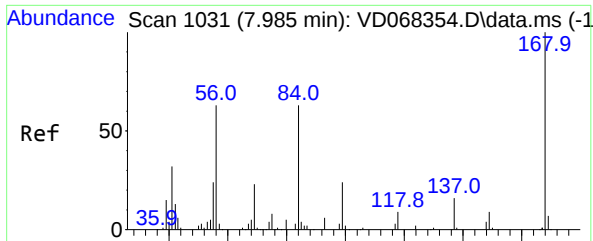
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 12 13:30:51 2021
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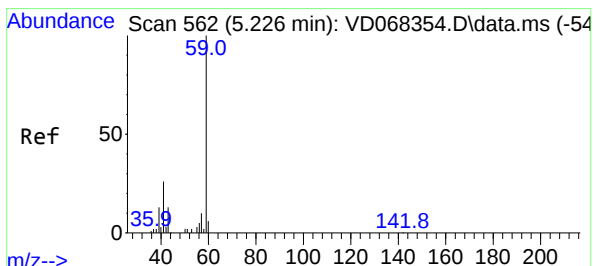
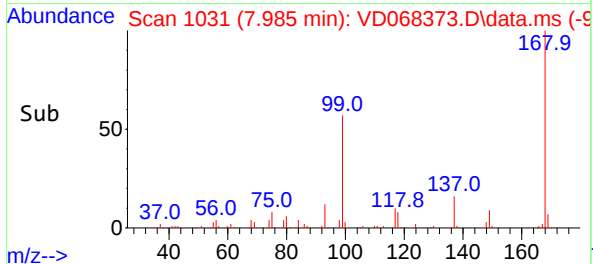
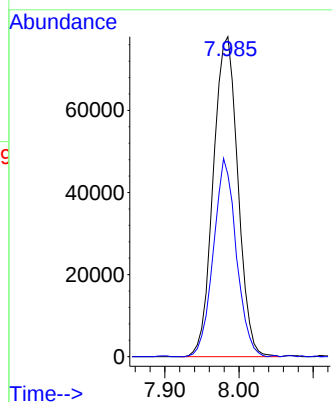
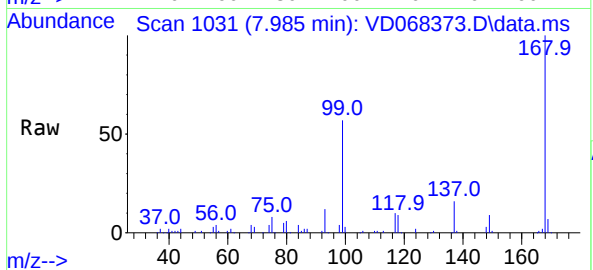




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

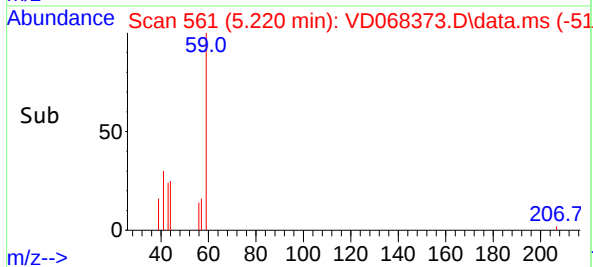
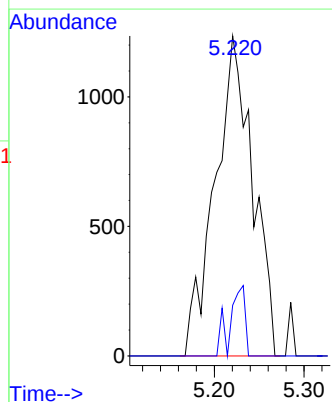
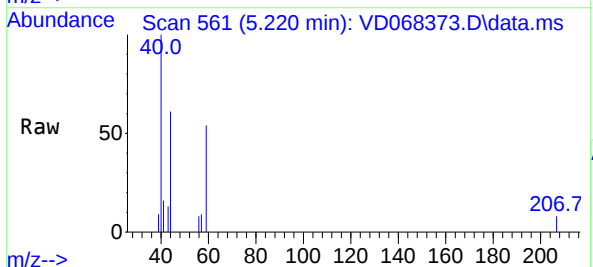
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

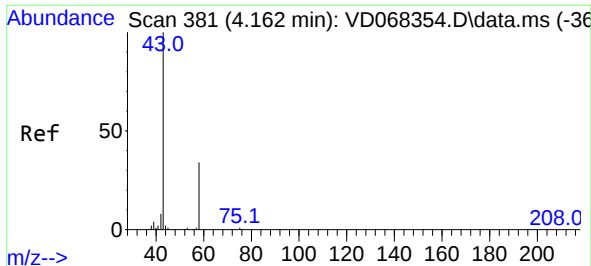
Tgt Ion:168 Resp: 179606
Ion Ratio Lower Upper
168 100
99 56.9 43.5 65.3



#11
Tert butyl alcohol
Concen: 39.17 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion: 59 Resp: 3606
Ion Ratio Lower Upper
59 100
57 8.8 7.4 11.2

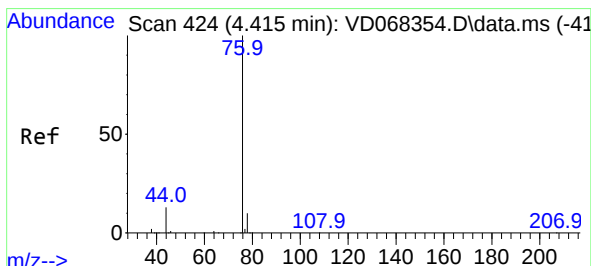
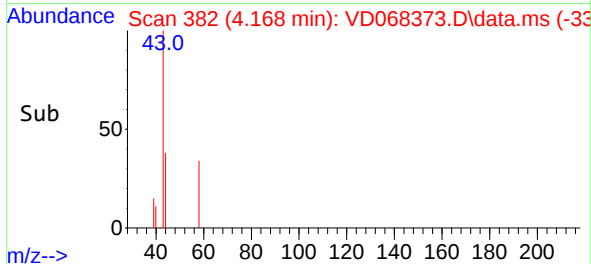
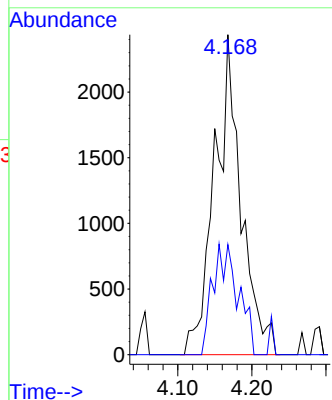
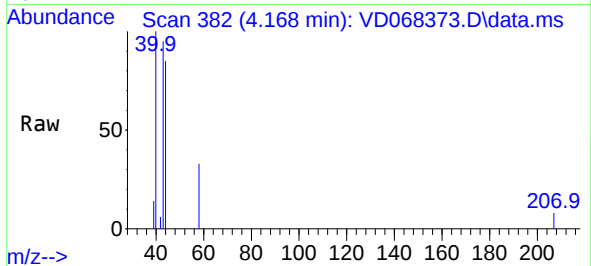




#16
Acetone
Concen: 21.46 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

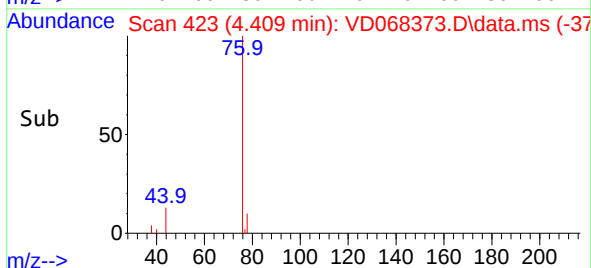
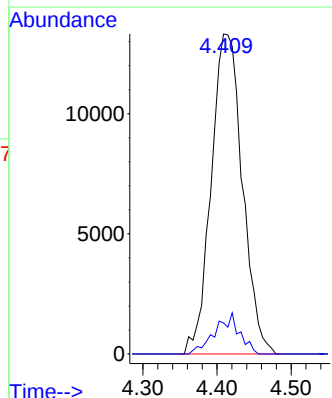
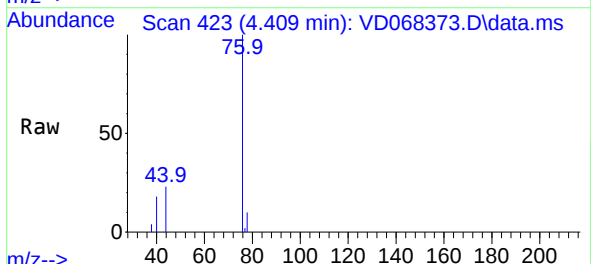
Instrument :
MSVOA_D
ClientSampleId :
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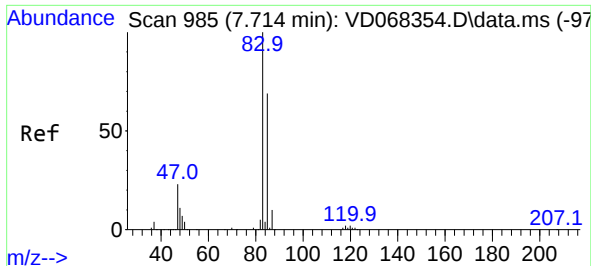
Tgt Ion: 43 Resp: 6079
Ion Ratio Lower Upper
43 100
58 34.4 24.2 36.4



#17
Carbon Disulfide
Concen: 7.87 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion: 76 Resp: 38955
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9

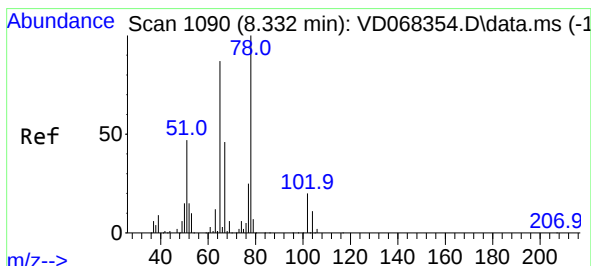
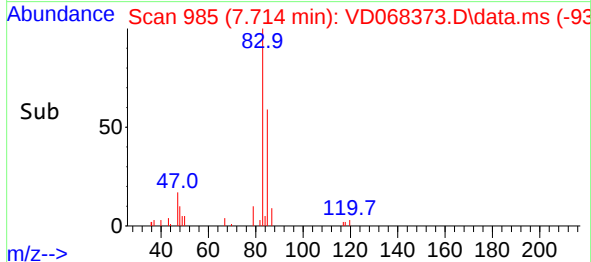
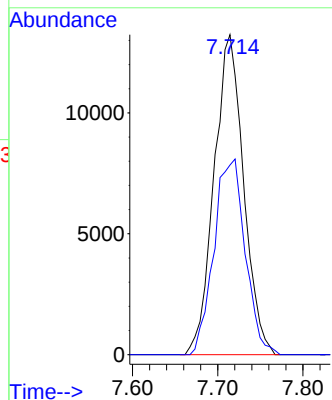
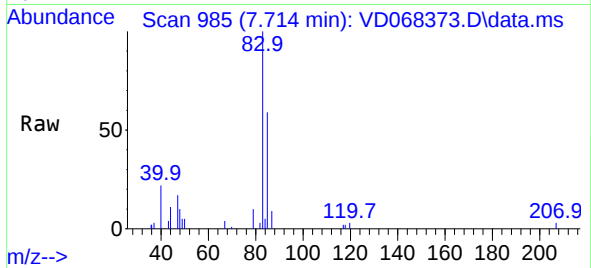




#30
Chloroform
Concen: 9.12 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

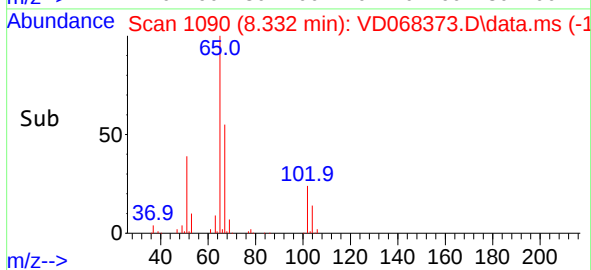
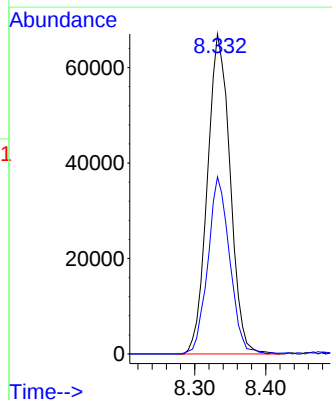
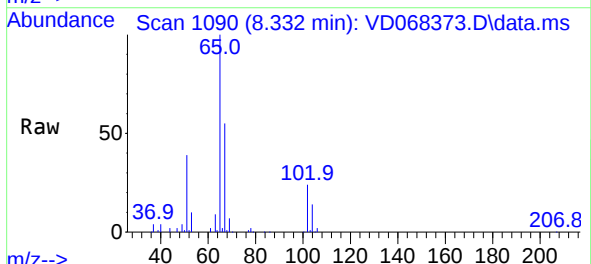
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

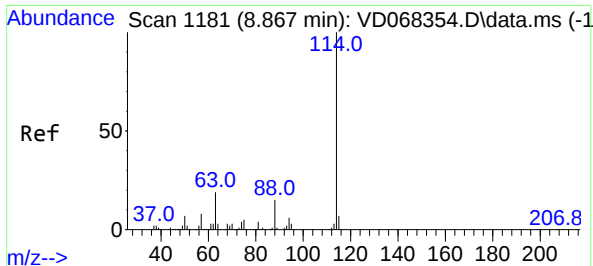
Tgt Ion: 83 Resp: 31885
Ion Ratio Lower Upper
83 100
85 59.2 53.4 80.0



#33
1,2-Dichloroethane-d4
Concen: 81.12 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion: 65 Resp: 148947
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.0



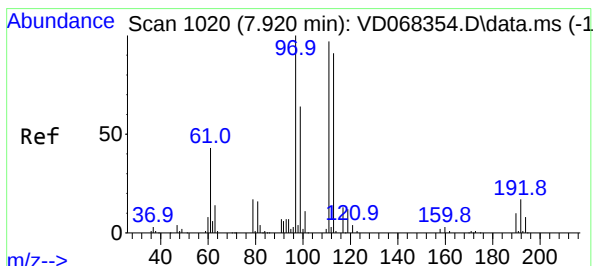
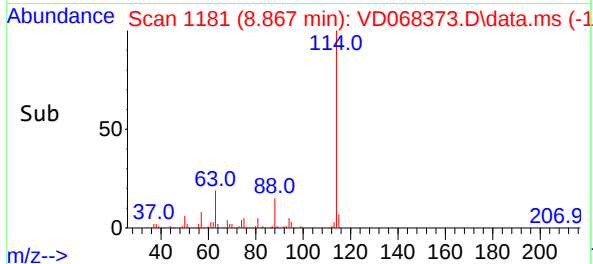
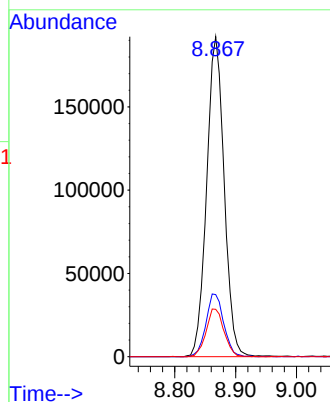
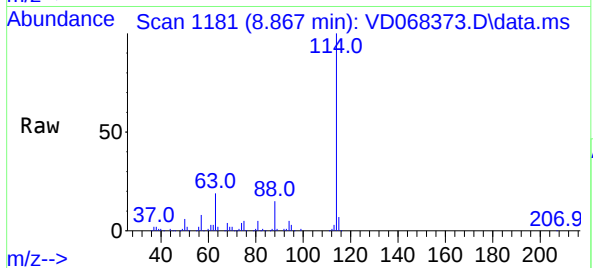


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

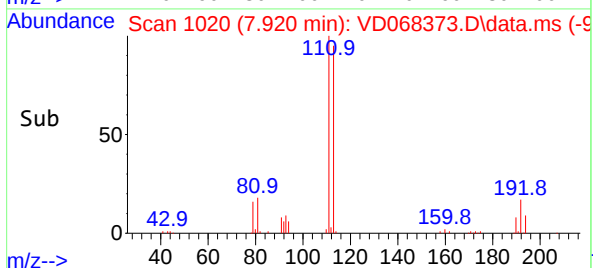
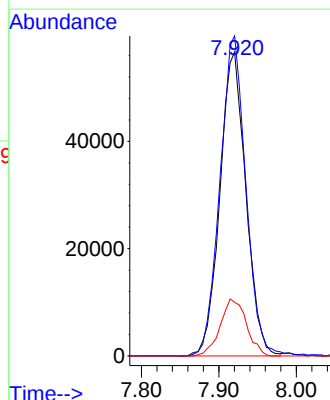
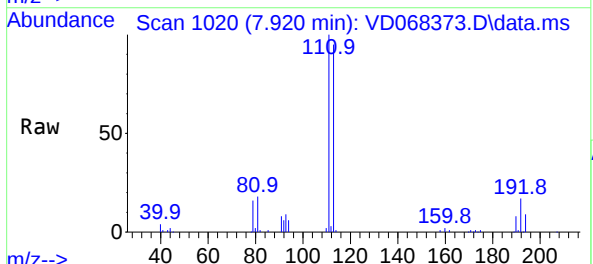
Tgt Ion:114 Resp: 383119
Ion Ratio Lower Upper
114 100
63 19.4 0.0 34.8
88 14.8 0.0 31.6

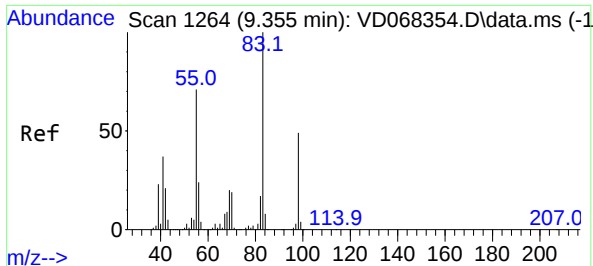


#35

Dibromofluoromethane
Concen: 58.06 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion:113 Resp: 132025
Ion Ratio Lower Upper
113 100
111 105.0 81.4 122.0
192 18.9 16.1 24.1





#39

Methylcyclohexane

Concen: 1.03 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. -0.006 min

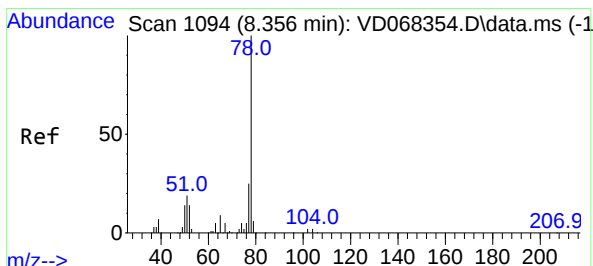
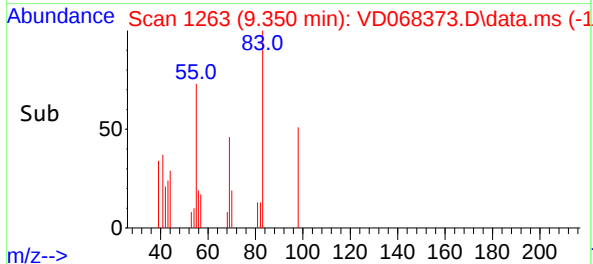
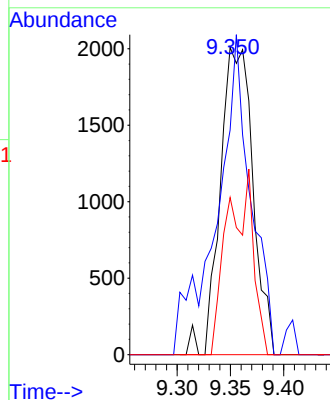
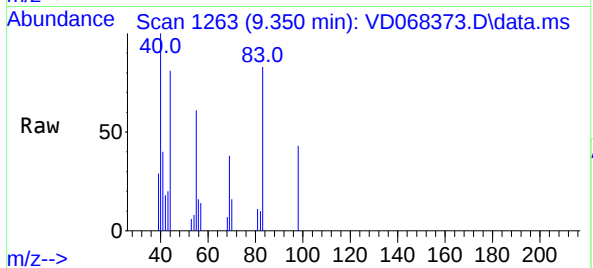
Lab File: VD068373.D

Acq: 16 Feb 2021 17:03

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

Tgt Ion: 83 Resp: 4296

Ion	Ratio	Lower	Upper
83	100		
55	73.2	55.2	82.8
98	51.1	39.1	58.7



#40

Benzene

Concen: 1.05 ug/l

RT: 8.350 min Scan# 1093

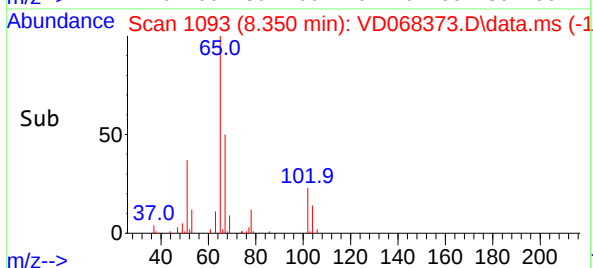
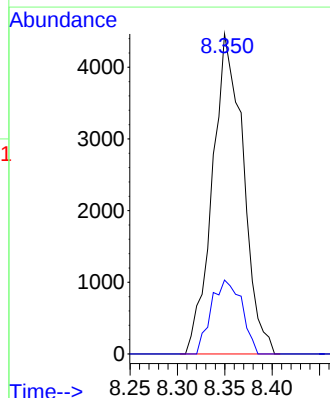
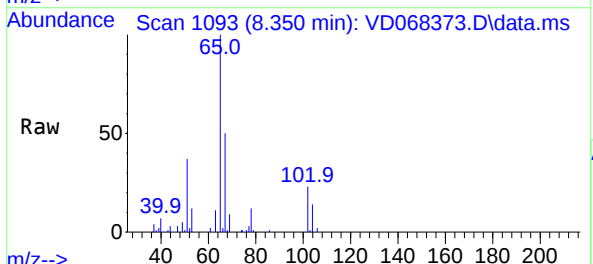
Delta R.T. -0.006 min

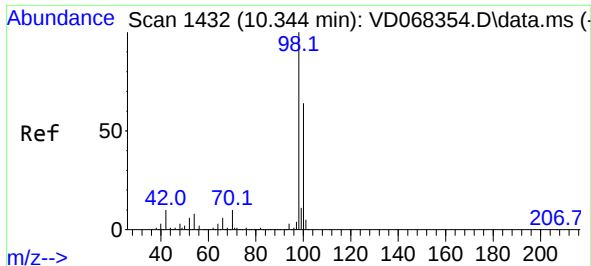
Lab File: VD068373.D

Acq: 16 Feb 2021 17:03

Tgt Ion: 78 Resp: 10117

Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.8	26.6

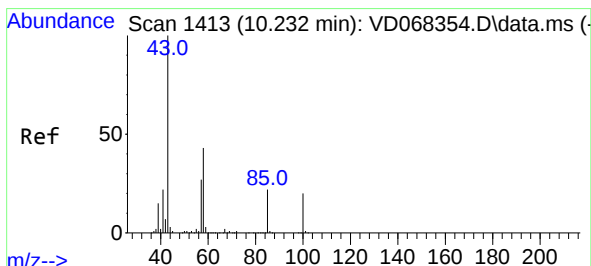
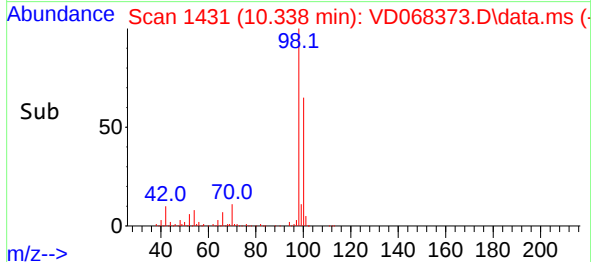
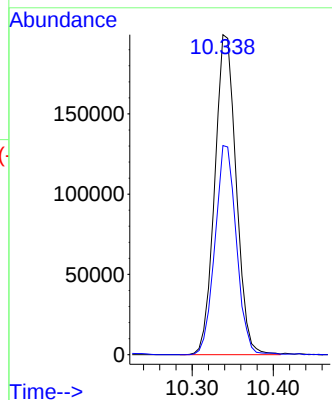
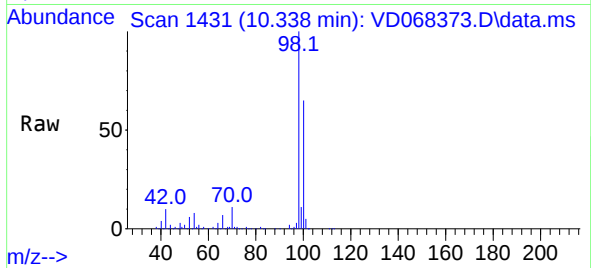




#50
Toluene-d8
Concen: 38.82 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

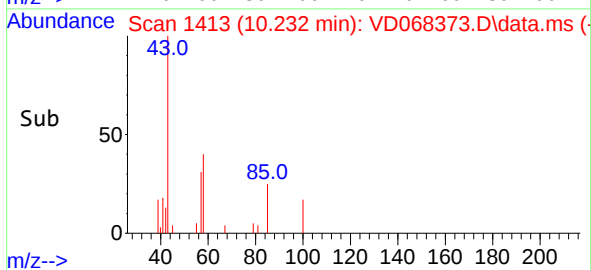
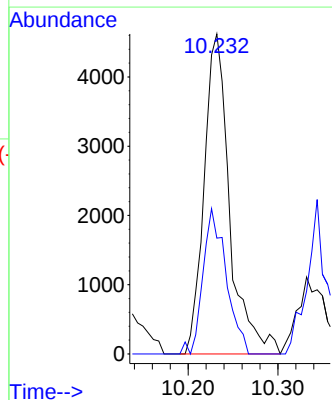
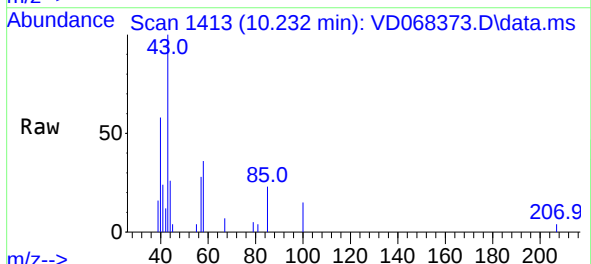
Instrument :
MSVOA_D
ClientSampleId :
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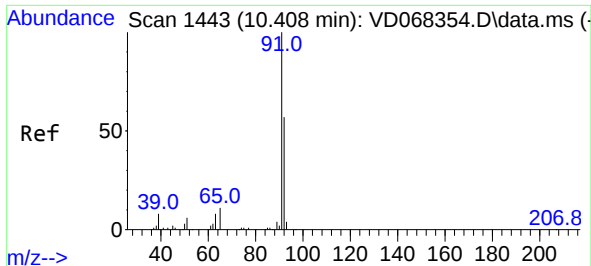
Tgt Ion: 98 Resp: 365911
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 8.12 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion: 43 Resp: 9143
Ion Ratio Lower Upper
43 100
58 41.2 36.1 54.1

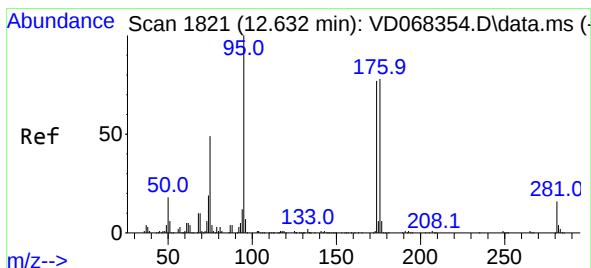
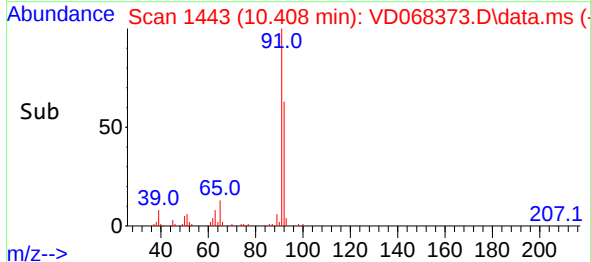
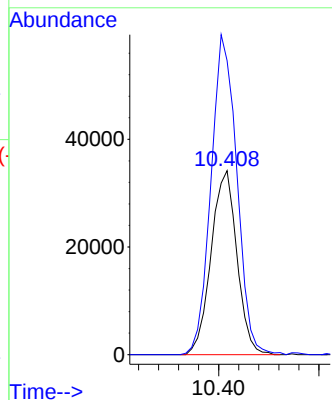
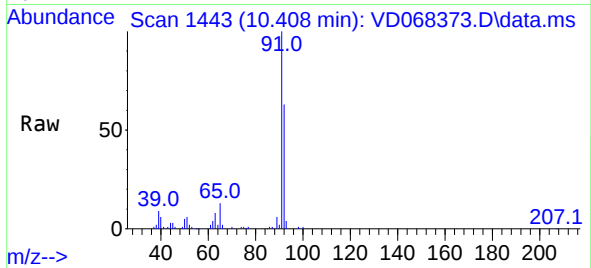




#52
Toluene
Concen: 9.82 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

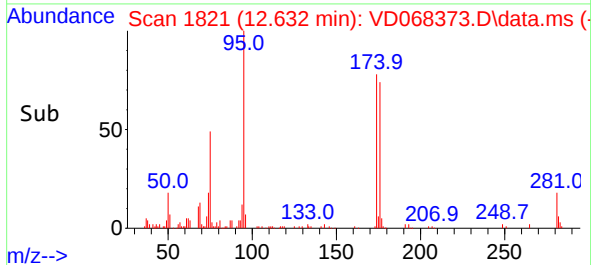
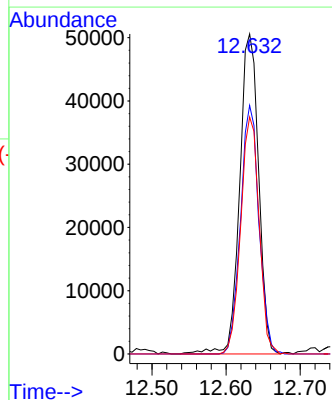
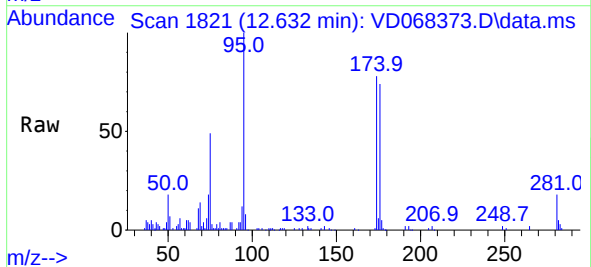
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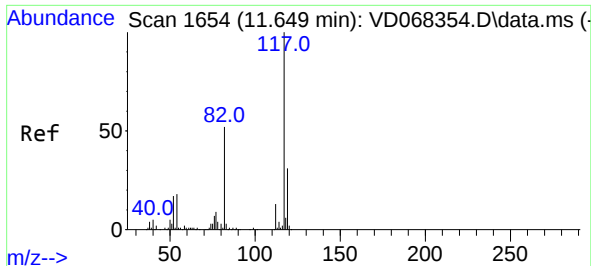
Tgt Ion: 92 Resp: 61046
Ion Ratio Lower Upper
92 100
91 173.9 134.1 201.1



#62
4-Bromofluorobenzene
Concen: 29.21 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion: 95 Resp: 89692
Ion Ratio Lower Upper
95 100
174 75.5 0.0 172.4
176 71.8 0.0 168.4

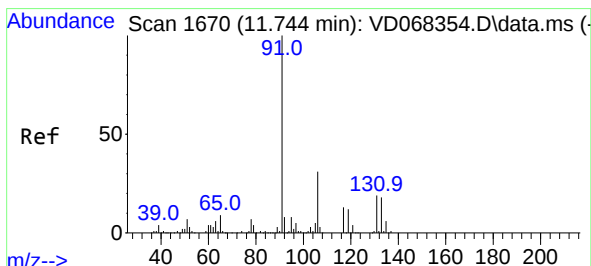
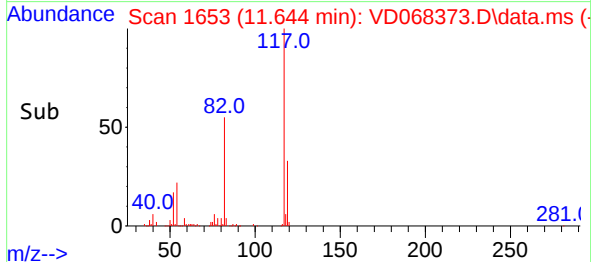
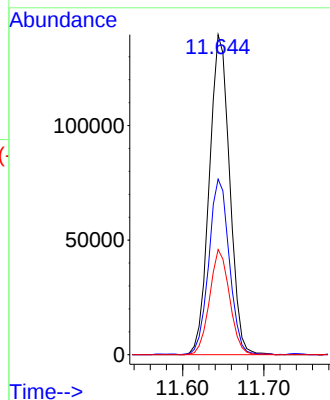
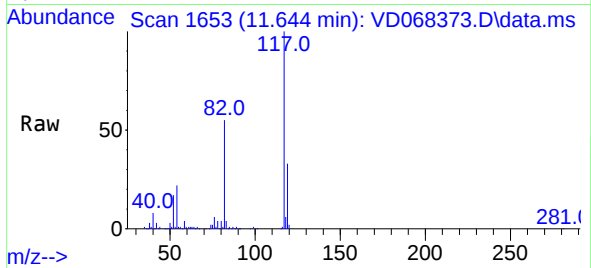




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

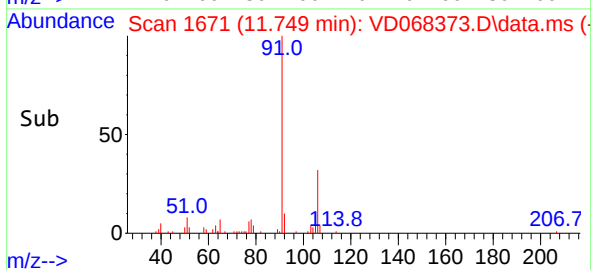
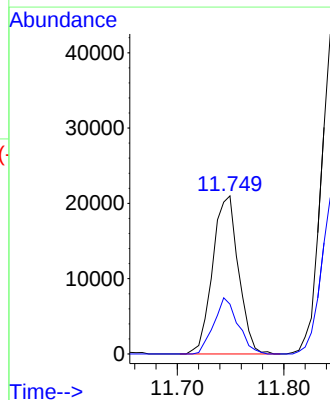
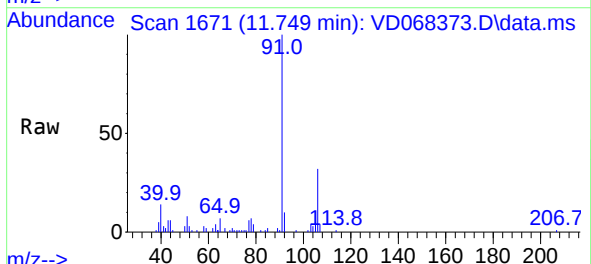
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

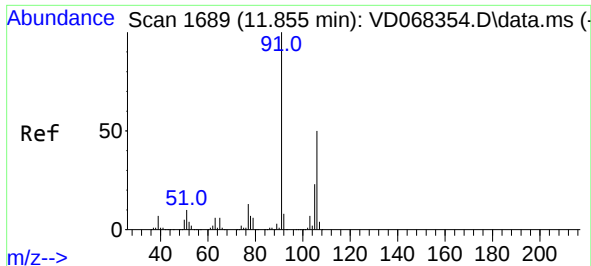
Tgt Ion:	117	Resp:	242945
Ion	Ratio	Lower	Upper
117	100		
82	54.8	41.4	62.0
119	32.9	26.1	39.1



#67
Ethyl Benzene
Concen: 4.23 ug/l
RT: 11.749 min Scan# 1671
Delta R.T. 0.006 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion:	91	Resp:	35410
Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.9	38.9

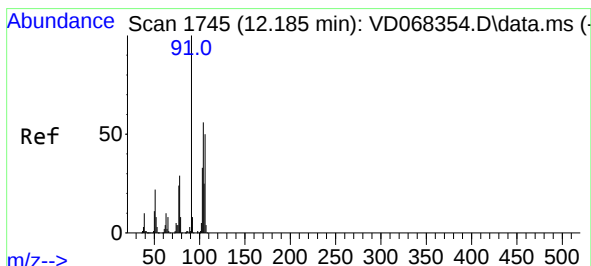
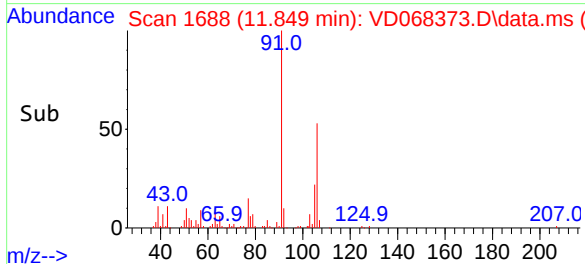
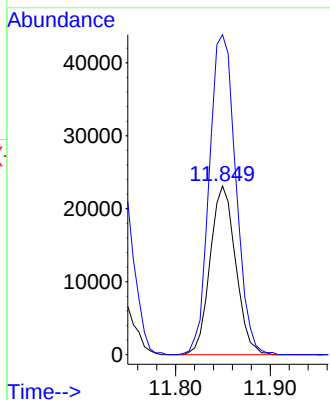
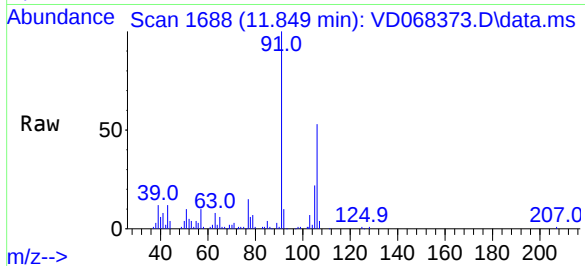




#68
m/p-Xylenes
Concen: 13.66 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

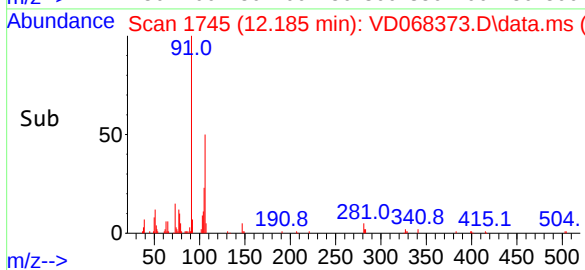
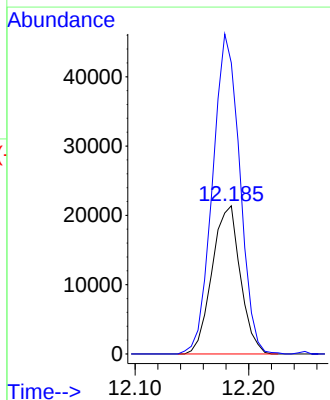
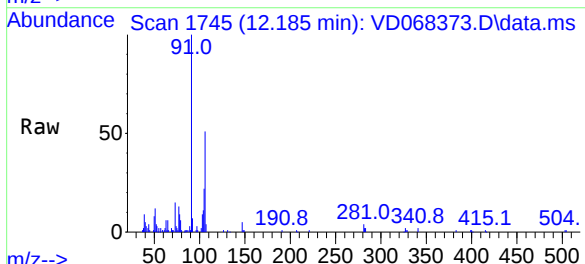
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

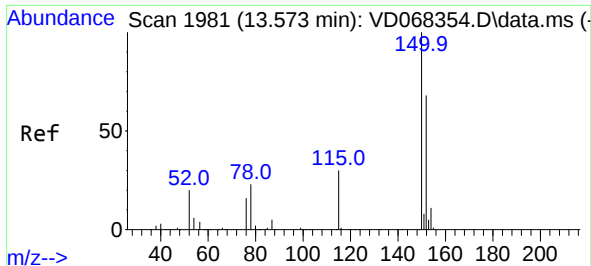
Tgt Ion:106 Resp: 43246
Ion Ratio Lower Upper
106 100
91 197.5 159.1 238.7



#69
o-Xylene
Concen: 12.71 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. -0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion:106 Resp: 36908
Ion Ratio Lower Upper
106 100
91 208.1 108.7 325.9

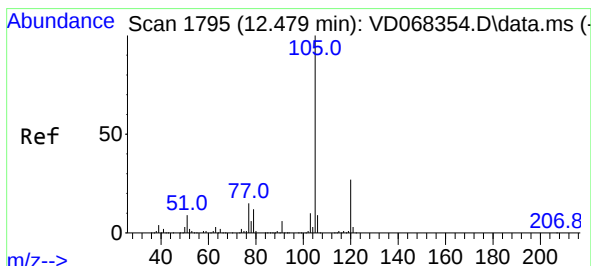
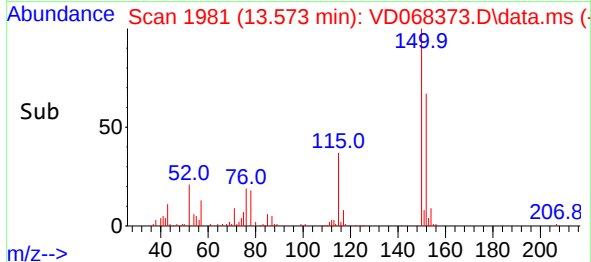
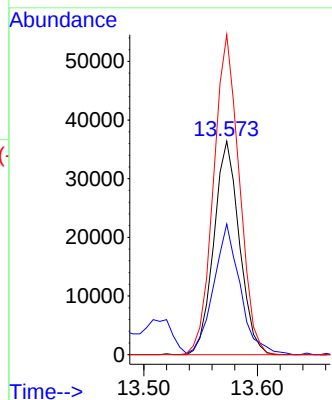
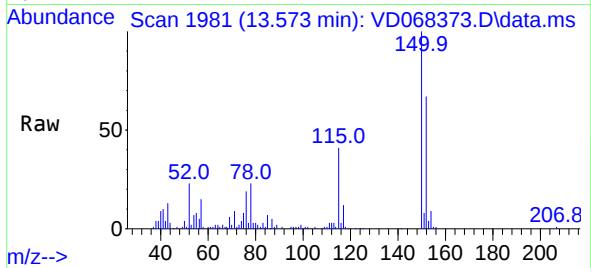




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

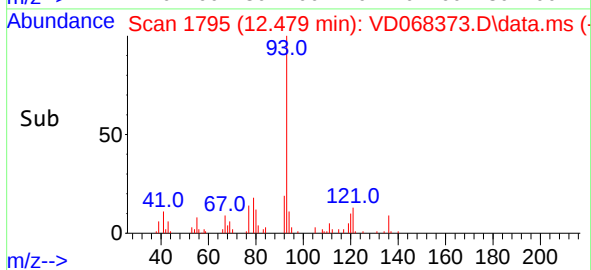
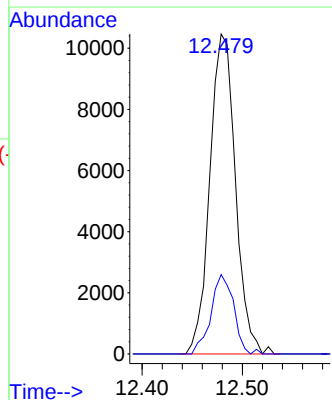
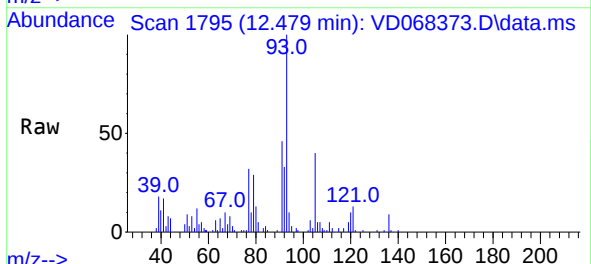
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

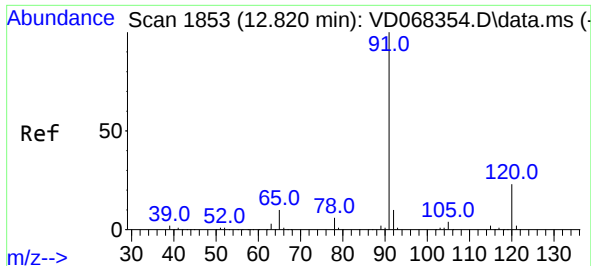
Tgt Ion:152 Resp: 56800
Ion Ratio Lower Upper
152 100
115 64.0 28.9 86.8
150 150.9 0.0 344.4



#73
Isopropylbenzene
Concen: 4.48 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion:105 Resp: 18598
Ion Ratio Lower Upper
105 100
120 22.0 13.2 39.6

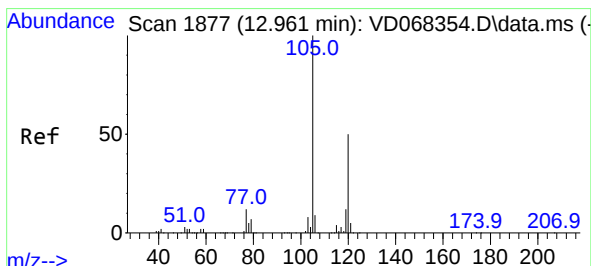
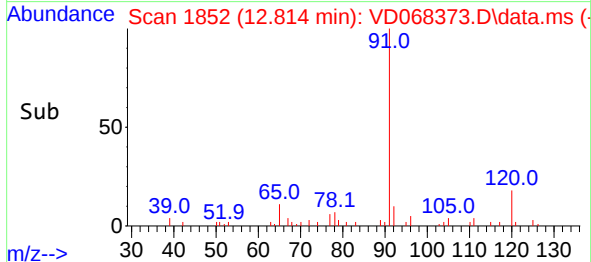
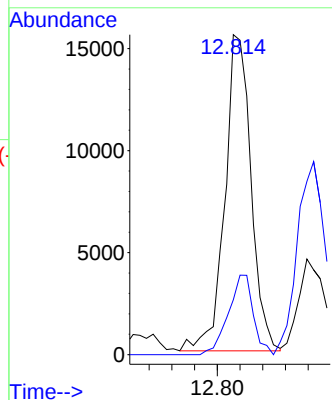
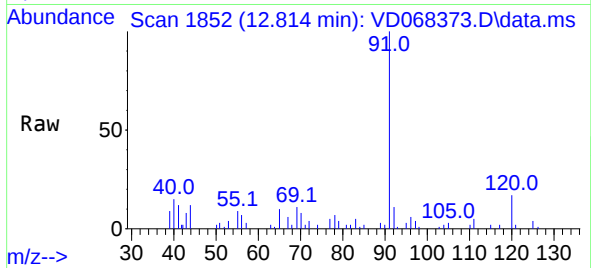




#78
n-propylbenzene
Concen: 5.00 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

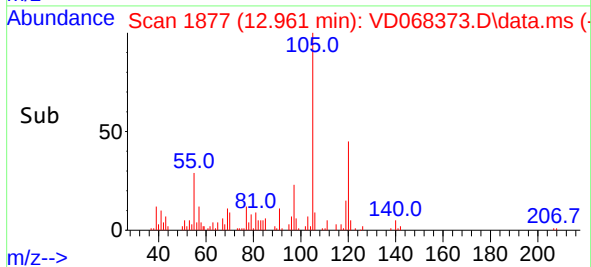
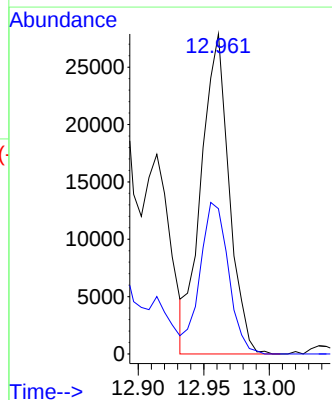
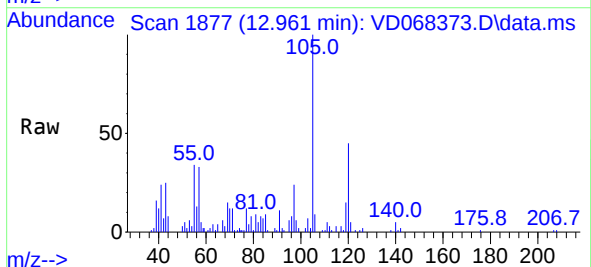
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

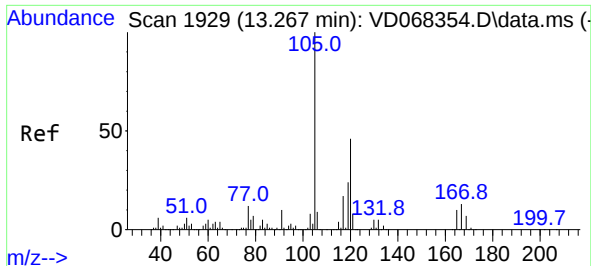
Tgt Ion: 91 Resp: 24841
Ion Ratio Lower Upper
91 100
120 23.8 12.0 36.0



#80
1,3,5-Trimethylbenzene
Concen: 12.18 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion:105 Resp: 41311
Ion Ratio Lower Upper
105 100
120 48.3 24.2 72.6

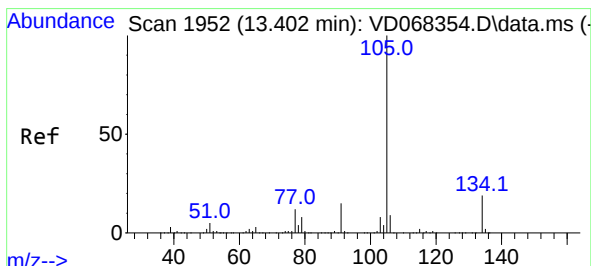
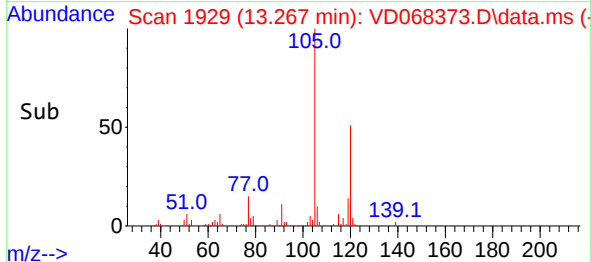
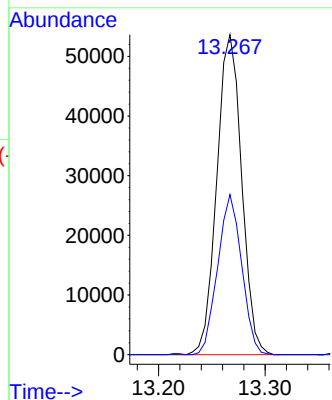
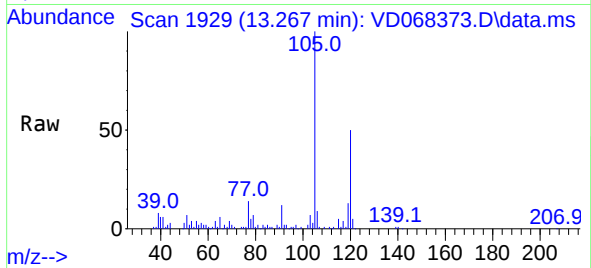




#84
1,2,4-Trimethylbenzene
Concen: 25.71 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

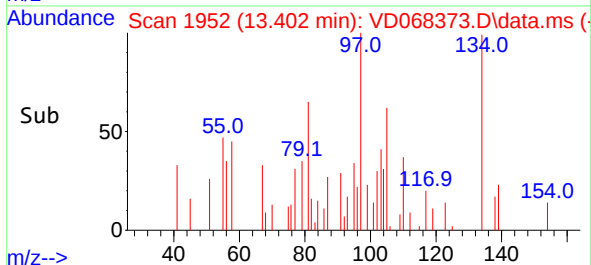
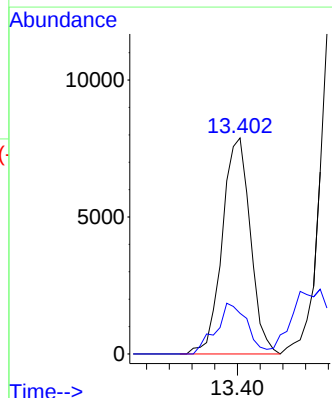
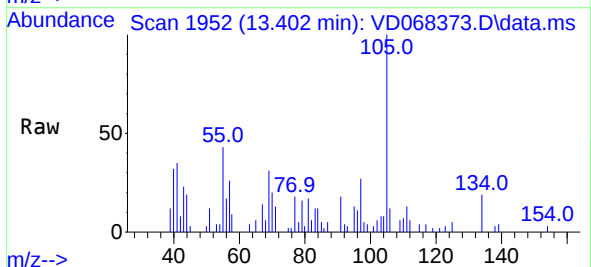
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

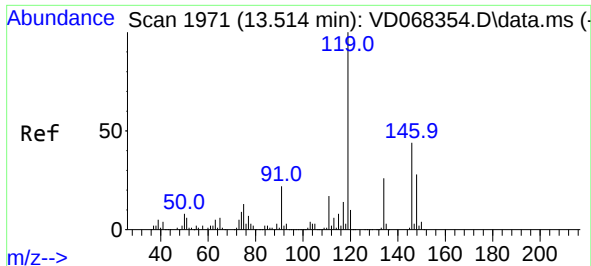
Tgt Ion:105 Resp: 86852
Ion Ratio Lower Upper
105 100
120 48.3 22.4 67.0



#85
sec-Butylbenzene
Concen: 3.29 ug/l
RT: 13.402 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion:105 Resp: 13534
Ion Ratio Lower Upper
105 100
134 26.1 10.3 30.9

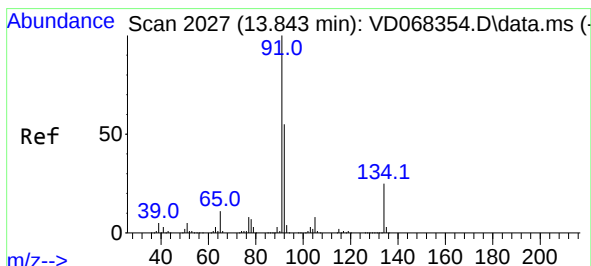
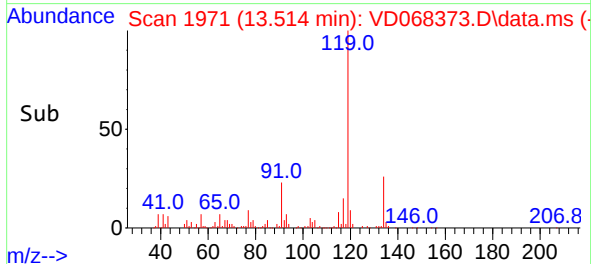
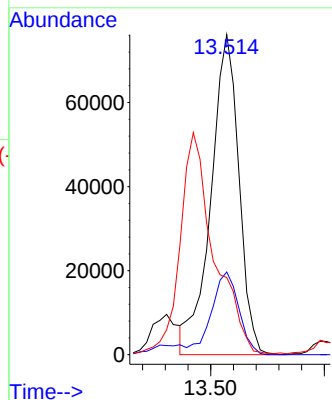
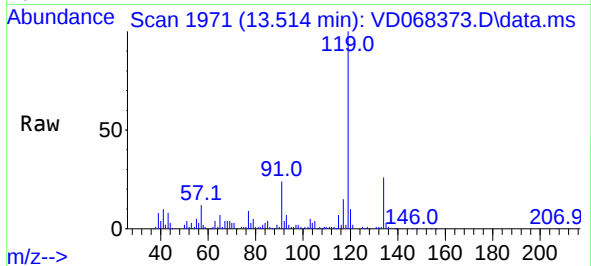




#86
p-Isopropyltoluene
Concen: 35.33 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

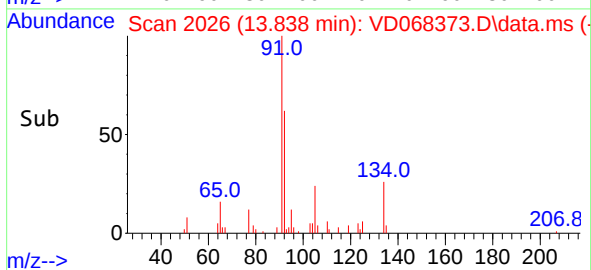
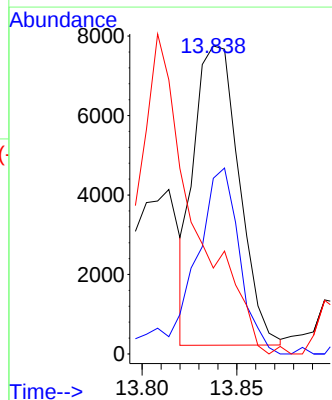
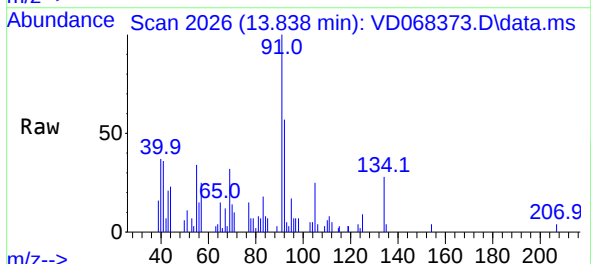
Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

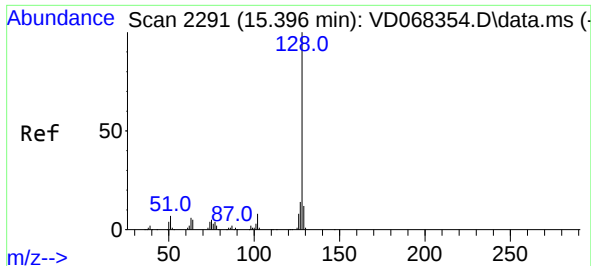
Tgt Ion:119 Resp: 130465
Ion Ratio Lower Upper
119 100
134 25.2 12.9 38.7
91 0.0 11.7 35.0#



#89
n-Butylbenzene
Concen: 3.44 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. -0.006 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Tgt Ion: 91 Resp: 12395
Ion Ratio Lower Upper
91 100
92 63.3 27.2 81.6
134 0.0 13.9 41.7#





#95
Naphthalene
Concen: 7.30 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.006 min
Lab File: VD068373.D
Acq: 16 Feb 2021 17:03

Instrument :
MSVOA_D
ClientSampleId :
SLUDGE-COMP

Tgt Ion:	128	Resp:	13823
Ion	Ratio	Lower	Upper
128	100		
127	23.8	10.2	15.2#
129	12.8	8.8	13.2

