

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072123\
 Data File : VN078622.D
 Acq On : 21 Jul 2023 18:38
 Operator : JC\MD
 Sample : 03668-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SLUDGE-DRUM

Quant Time: Jul 21 23:28:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	428410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	785117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	758834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	380538	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	280813	48.894	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.780%
35) Dibromofluoromethane	8.177	113	283695	53.230	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.460%
50) Toluene-d8	10.571	98	946622	47.017	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.040%
62) 4-Bromofluorobenzene	12.853	95	366014	59.019	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.040%

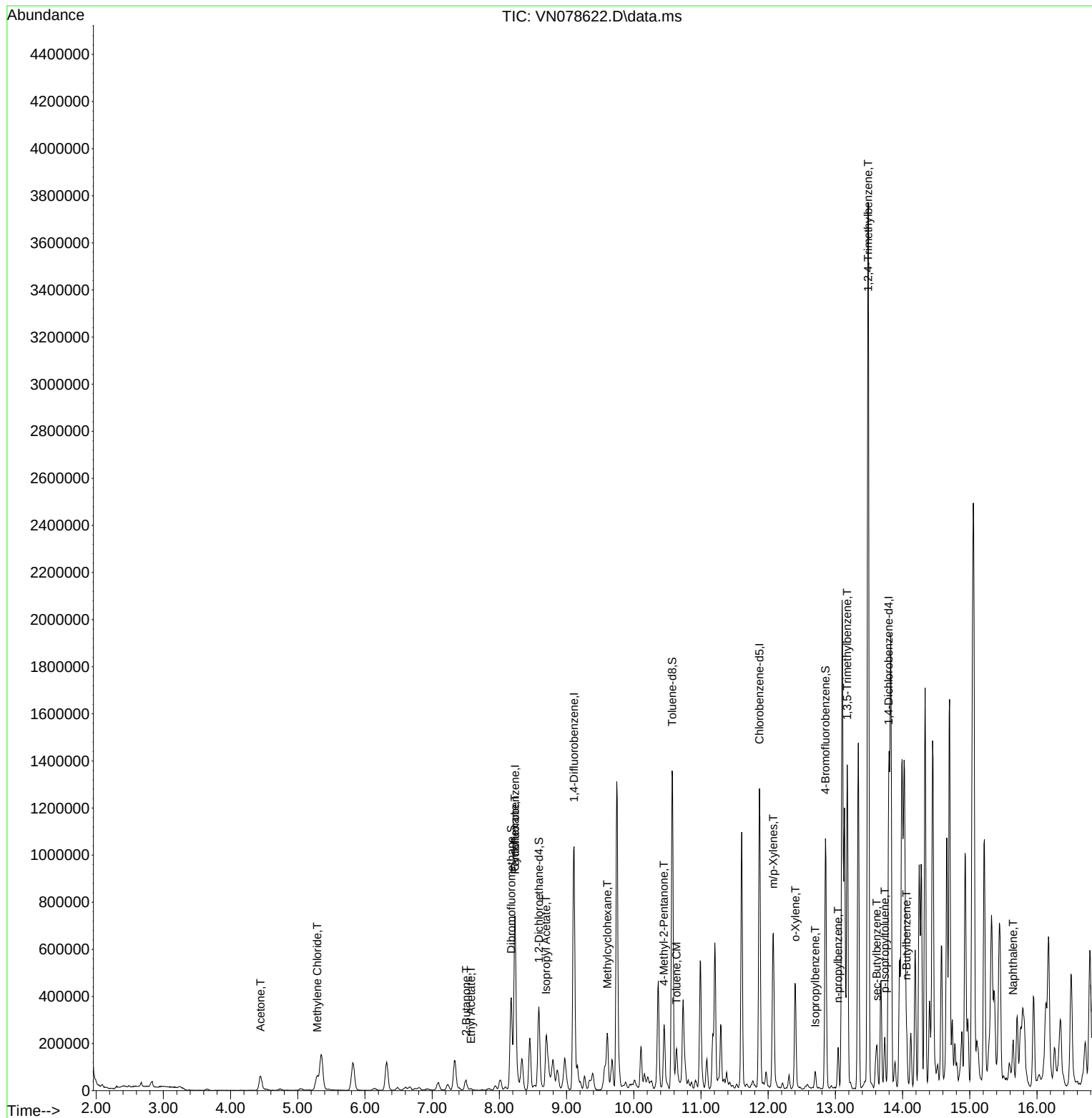
Target Compounds					Qvalue	
16) Acetone	4.447	43	106100	59.306	ug/l	90
20) Methylene Chloride	5.289	84	23937	3.528	ug/l #	96
25) 2-Butanone	7.506	43	60218	21.383	ug/l	93
31) Cyclohexane	8.230	56	59772	7.701	ug/l #	59
37) Ethyl Acetate	7.577	43	9892	1.542	ug/l #	88
39) Methylcyclohexane	9.606	83	99070	14.104	ug/l	90
43) Isopropyl Acetate	8.694	43	235147	22.264	ug/l #	81
51) 4-Methyl-2-Pentanone	10.447	43	139425	22.194	ug/l	90
52) Toluene	10.635	92	67442	4.773	ug/l	97
68) m/p-Xylenes	12.076	106	222137	20.955	ug/l	97
69) o-Xylene	12.406	106	130843	12.220	ug/l	100
73) Isopropylbenzene	12.700	105	45782	1.280	ug/l	99
78) n-propylbenzene	13.041	91	129944	3.398	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	729440	25.819	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	2151785	78.411	ug/l	99
85) sec-Butylbenzene	13.617	105	105522	3.480	ug/l #	67
86) p-Isopropyltoluene	13.735	119	112642	4.627	ug/l	96
89) n-Butylbenzene	14.059	91	94737	5.439	ug/l #	65
95) Naphthalene	15.647	128	167517	11.239	ug/l	97

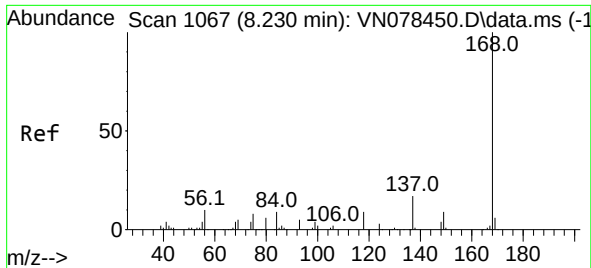
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
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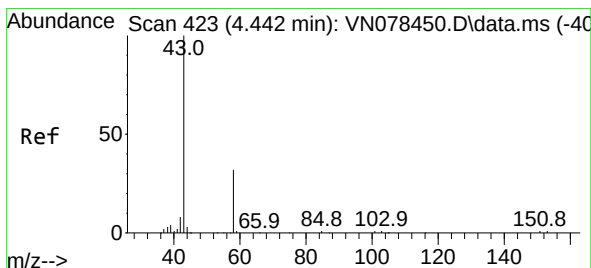
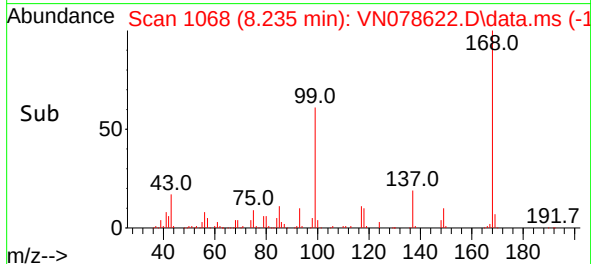
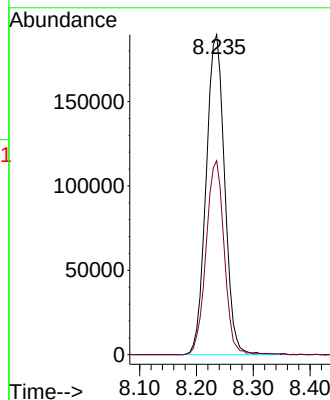
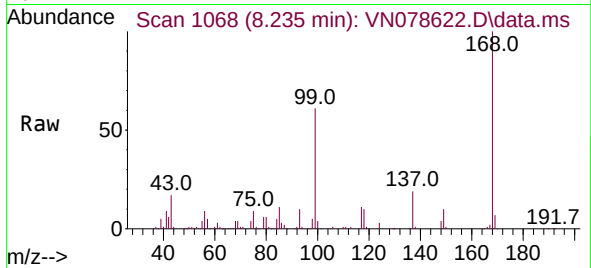




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

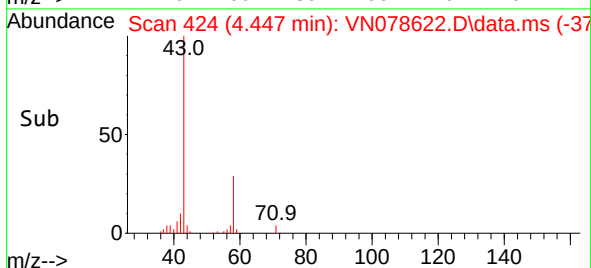
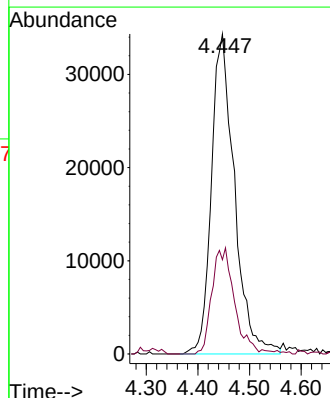
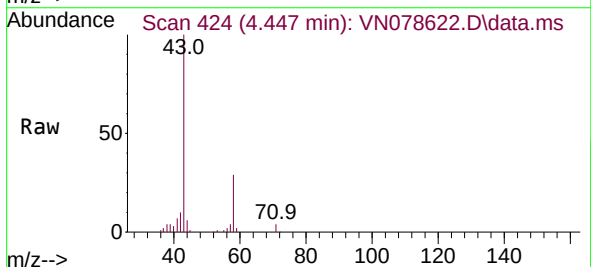
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

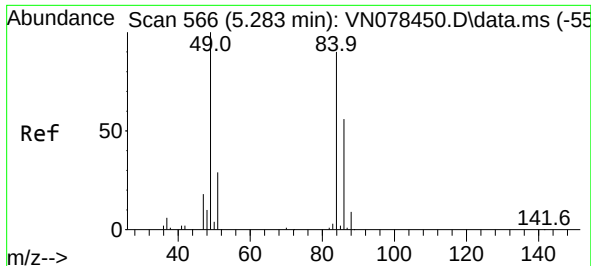
Tgt Ion:168 Resp: 428410
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6



#16
Acetone
Concen: 59.306 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 43 Resp: 106100
Ion Ratio Lower Upper
43 100
58 29.5 28.0 42.0

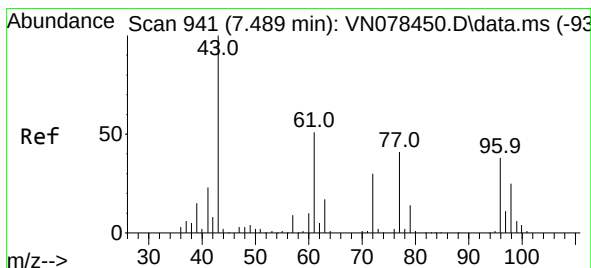
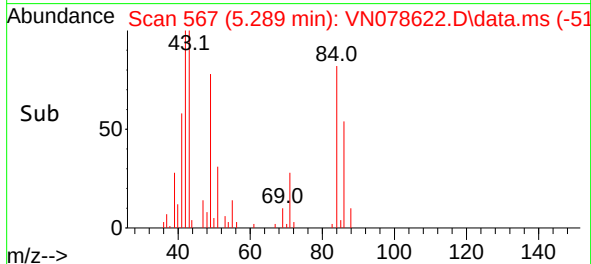
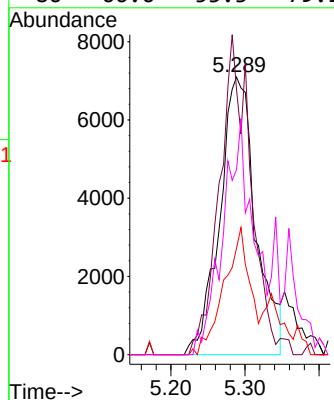
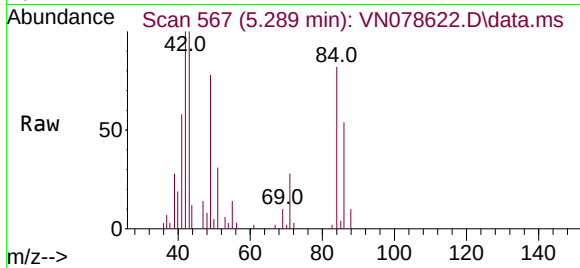




#20
Methylene Chloride
Concen: 3.528 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

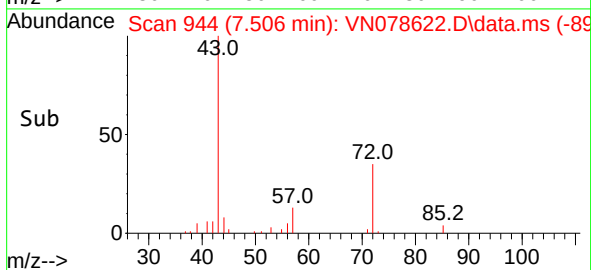
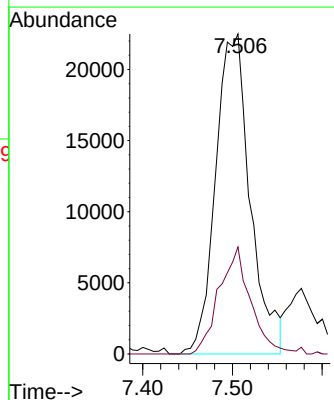
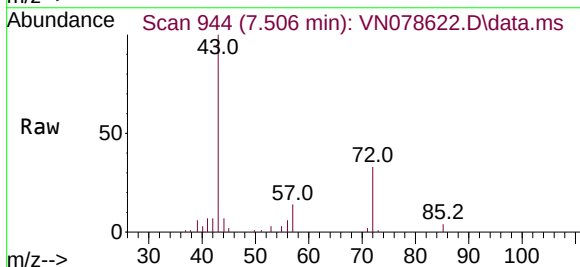
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

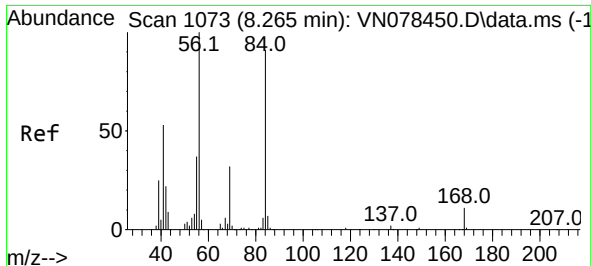
Tgt Ion:	84	Resp:	23937
Ion	Ratio	Lower	Upper
84	100		
49	95.5	79.7	119.5
51	38.4	25.2	37.8#
86	66.6	53.3	79.9



#25
2-Butanone
Concen: 21.383 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.017 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion:	43	Resp:	60218
Ion	Ratio	Lower	Upper
43	100		
72	33.4	30.2	45.2

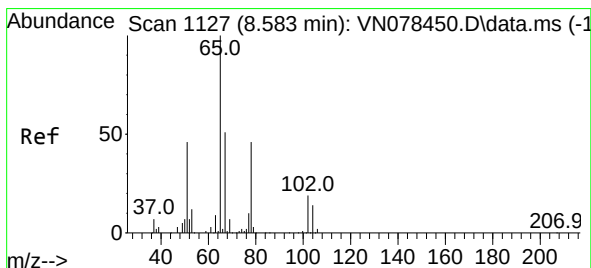
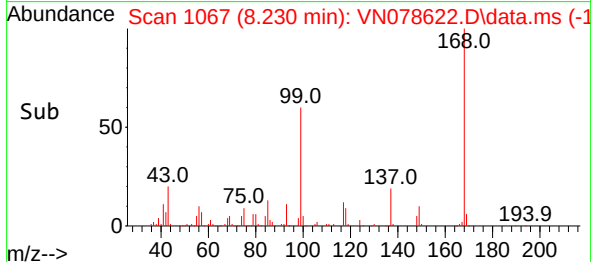
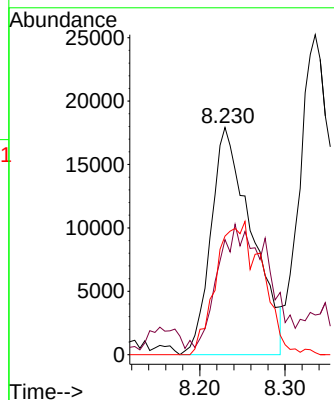
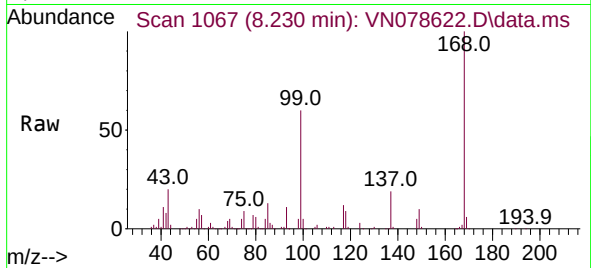




#31
Cyclohexane
Concen: 7.701 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

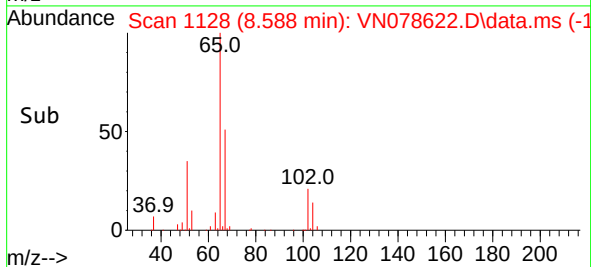
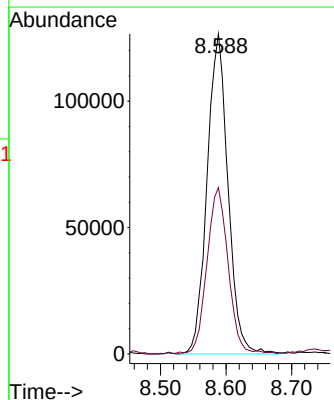
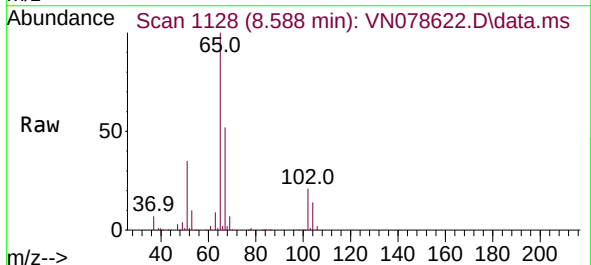
Instrument :
MSVOA_N
ClientSampleId :
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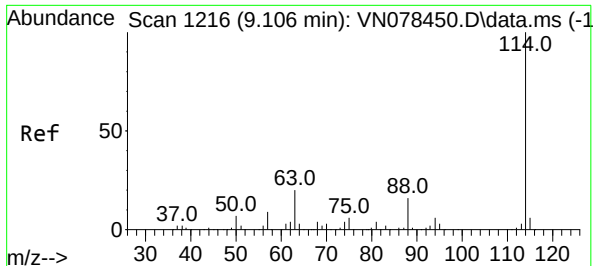
Tgt Ion: 56 Resp: 59772
Ion Ratio Lower Upper
56 100
69 42.5 26.8 40.2#
84 52.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 48.894 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 65 Resp: 280813
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-DRUM

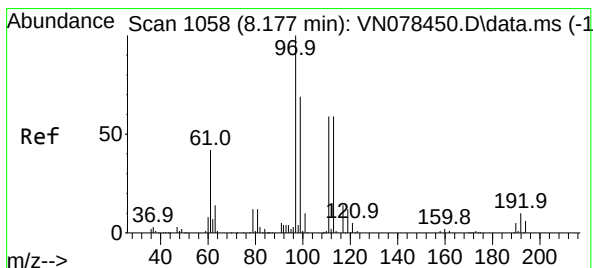
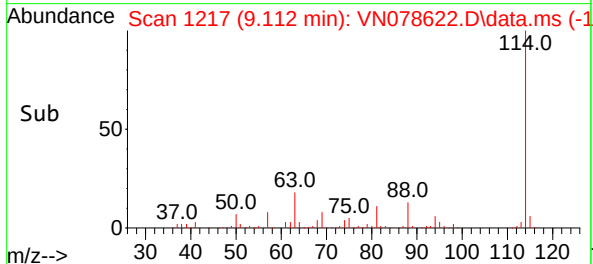
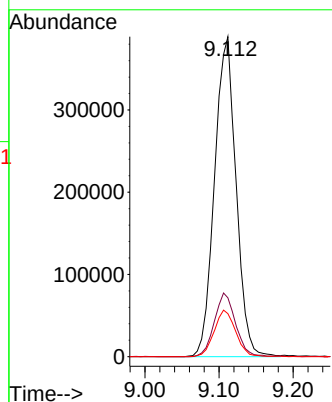
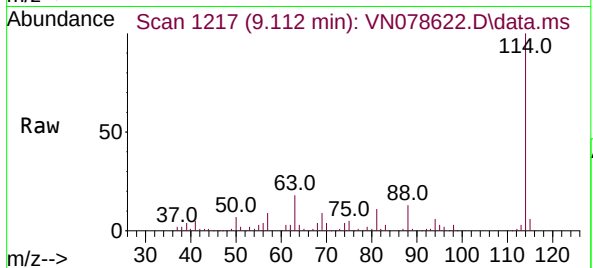
Tgt Ion:114 Resp: 785117

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.4

88 13.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.230 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

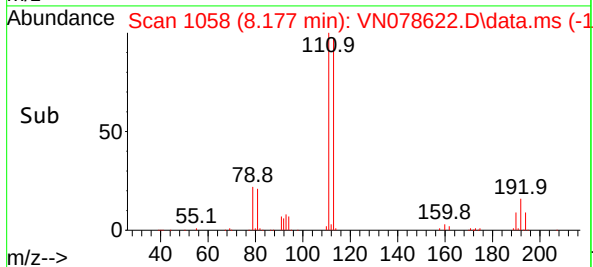
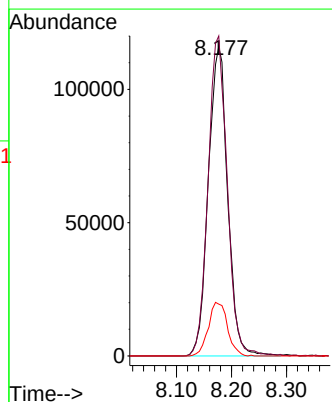
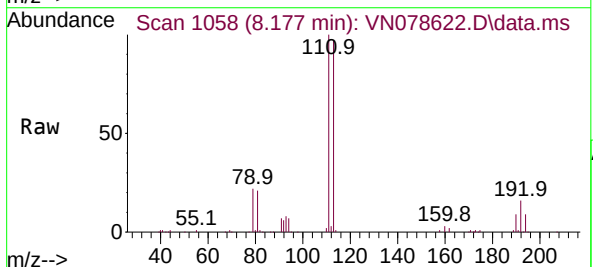
Tgt Ion:113 Resp: 283695

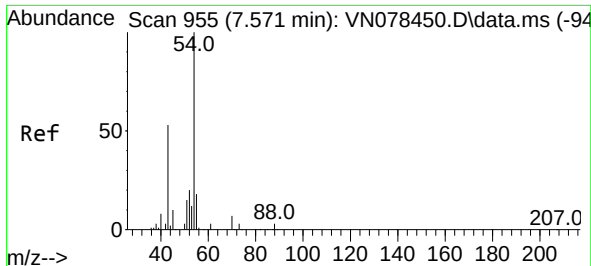
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 17.1 12.7 19.1

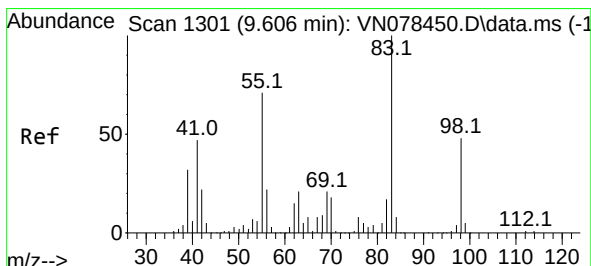
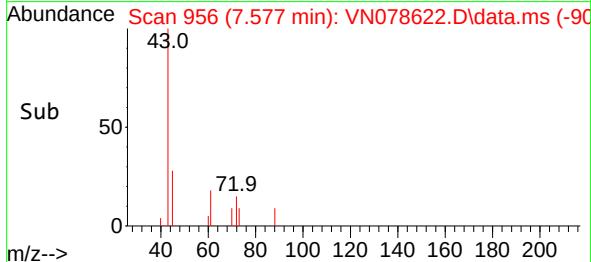
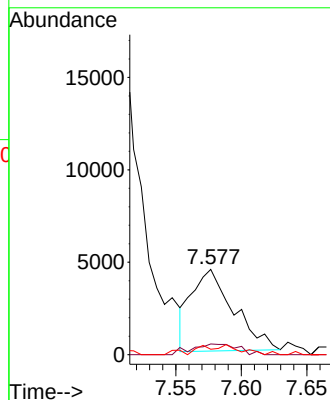
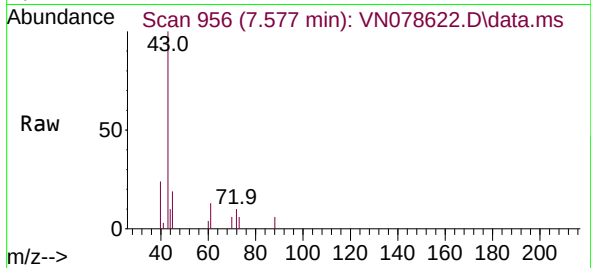




#37
Ethyl Acetate
Concen: 1.542 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

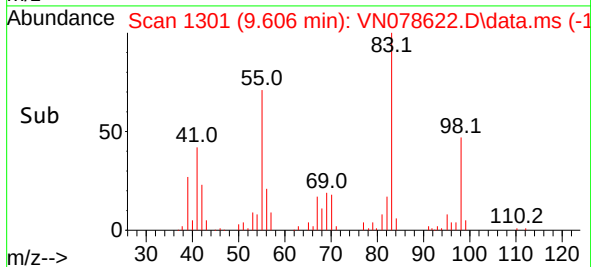
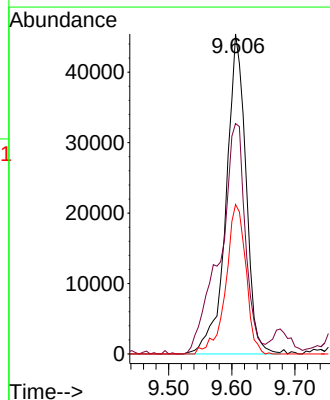
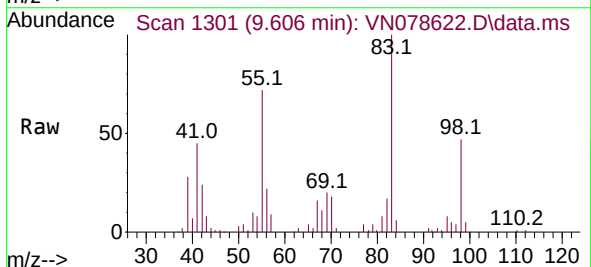
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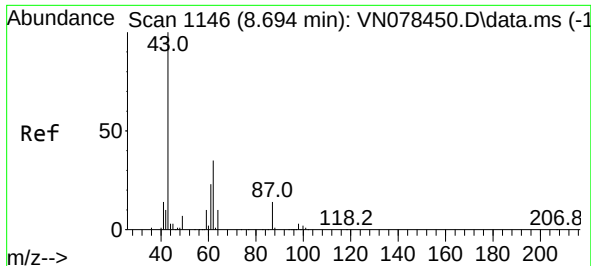
Tgt Ion: 43 Resp: 9892
Ion Ratio Lower Upper
43 100
61 14.4 13.2 19.8
70 5.7 11.3 16.9#



#39
Methylcyclohexane
Concen: 14.104 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 83 Resp: 99070
Ion Ratio Lower Upper
83 100
55 72.0 49.1 73.7
98 46.7 40.6 61.0

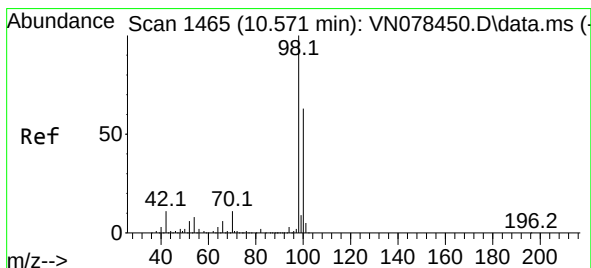
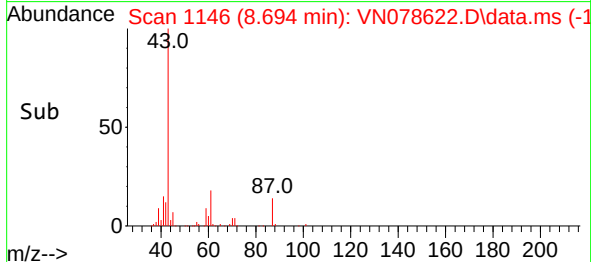
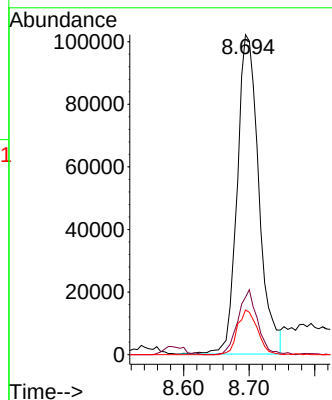
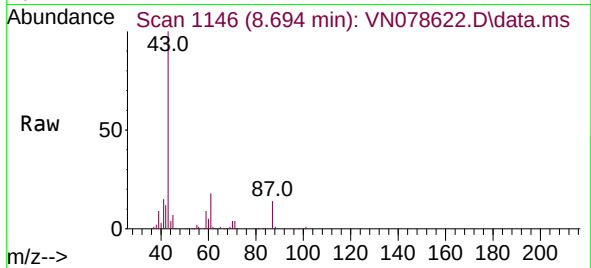




#43
Isopropyl Acetate
Concen: 22.264 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

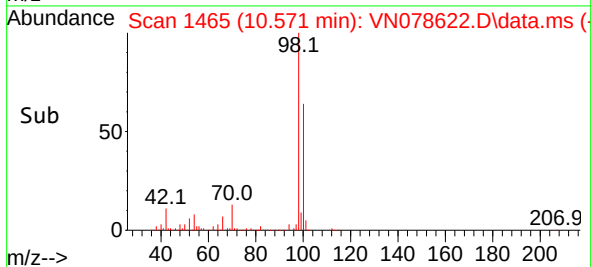
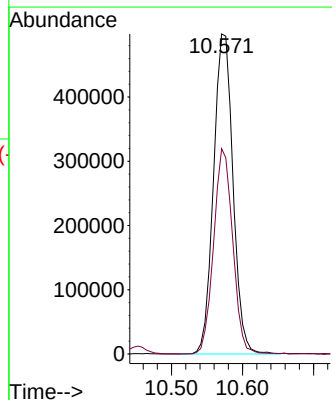
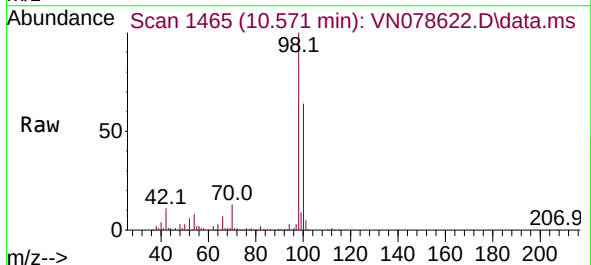
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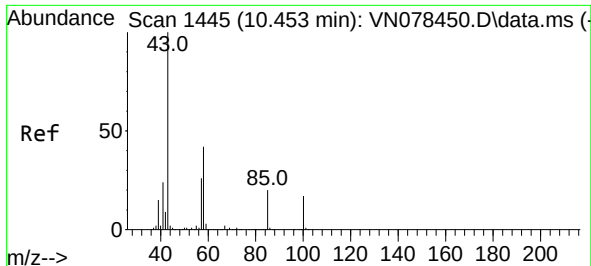
Tgt Ion: 43 Resp: 235147
Ion Ratio Lower Upper
43 100
61 18.4 24.7 37.1#
87 12.9 14.6 21.8#



#50
Toluene-d8
Concen: 47.017 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 98 Resp: 946622
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

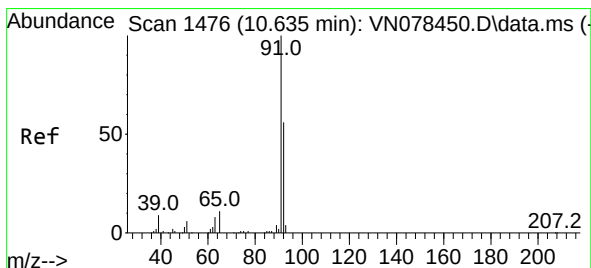
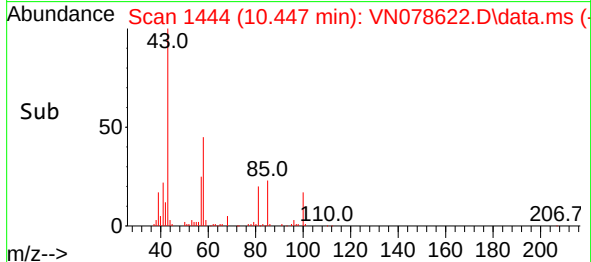
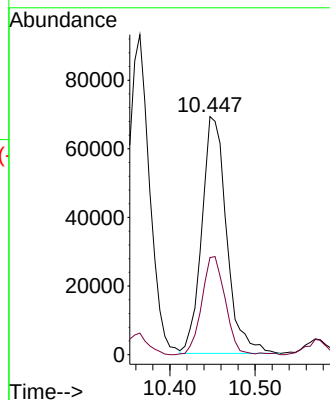
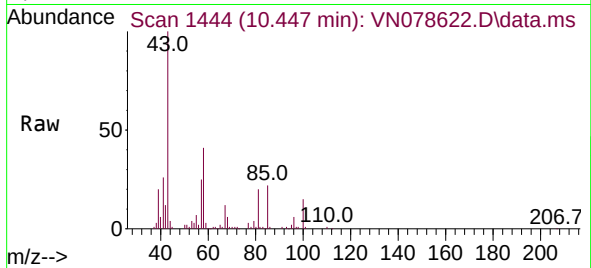




#51
4-Methyl-2-Pentanone
Concen: 22.194 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

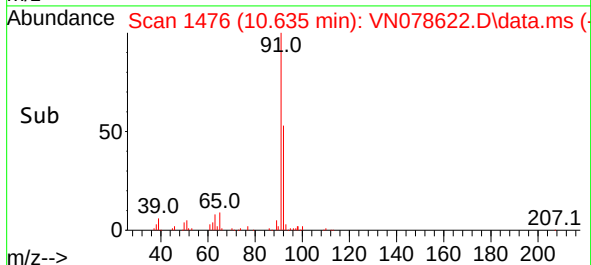
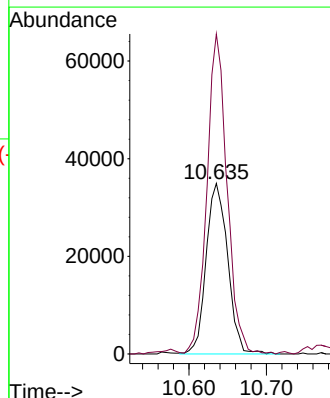
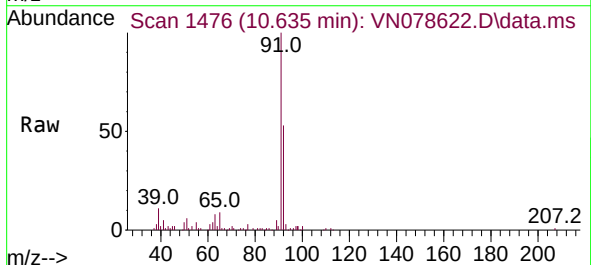
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

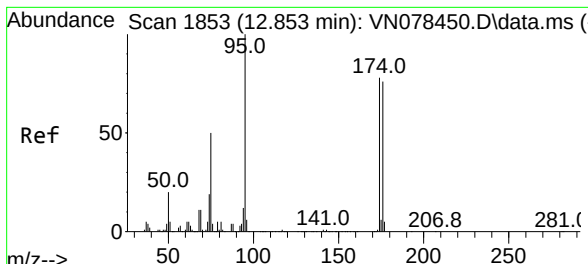
Tgt Ion: 43 Resp: 139425
Ion Ratio Lower Upper
43 100
58 39.0 36.6 54.8



#52
Toluene
Concen: 4.773 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 92 Resp: 67442
Ion Ratio Lower Upper
92 100
91 175.5 137.4 206.0

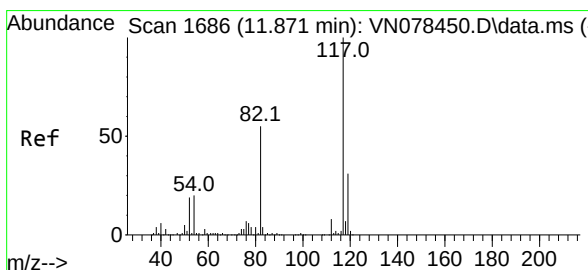
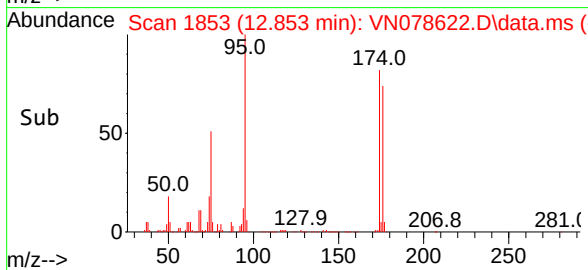
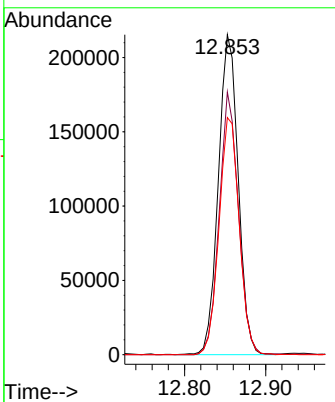
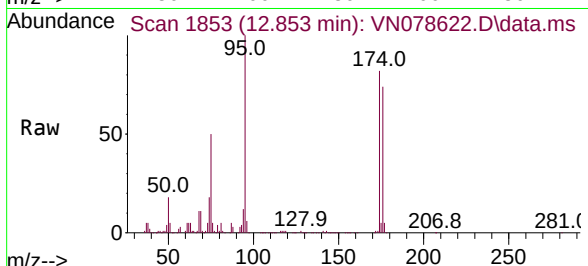




#62
 4-Bromofluorobenzene
 Concen: 59.019 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078622.D
 Acq: 21 Jul 2023 18:38

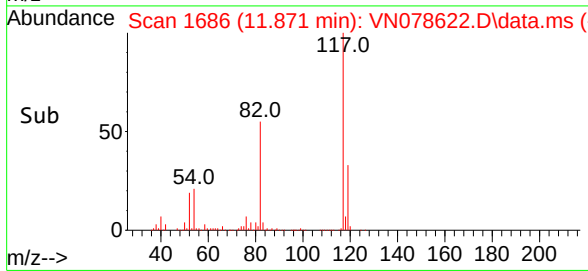
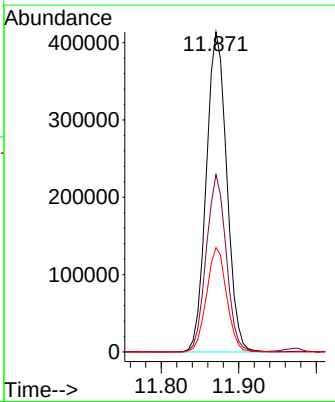
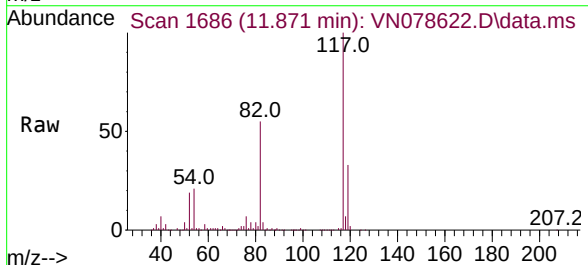
Instrument :
 MSVOA_N
 ClientSampleId :
 SLUDGE-DRUM

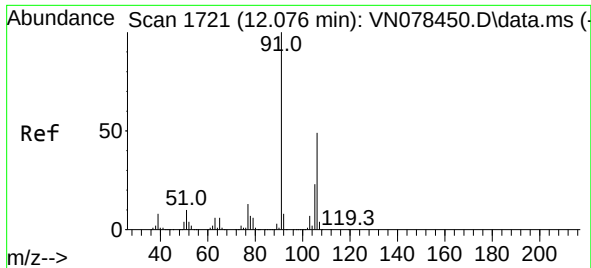
Tgt Ion:	95	Resp:	366014
Ion	Ratio	Lower	Upper
95	100		
174	79.4	0.0	143.8
176	75.5	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN078622.D
 Acq: 21 Jul 2023 18:38

Tgt Ion:	117	Resp:	758834
Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.0	66.0
119	32.6	25.6	38.4

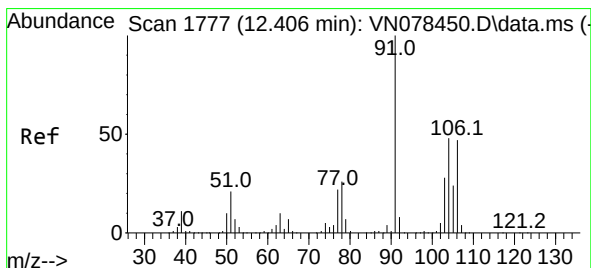
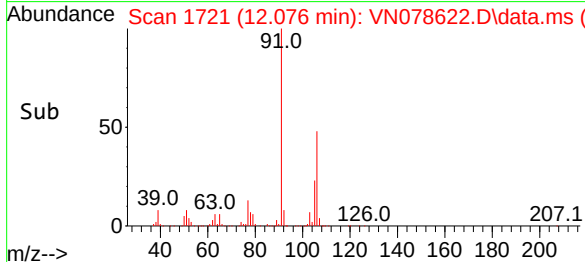
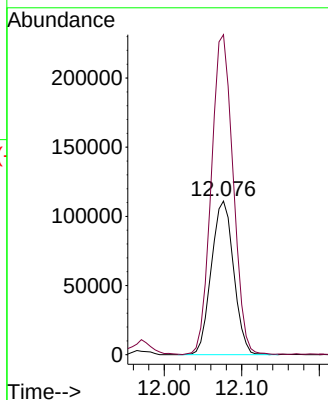
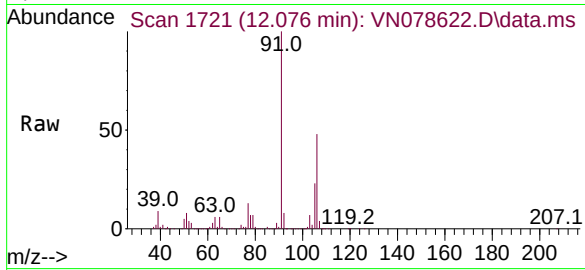




#68
m/p-Xylenes
Concen: 20.955 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

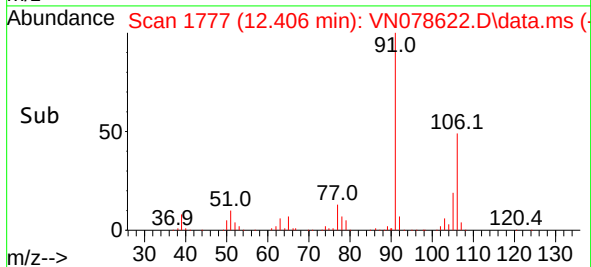
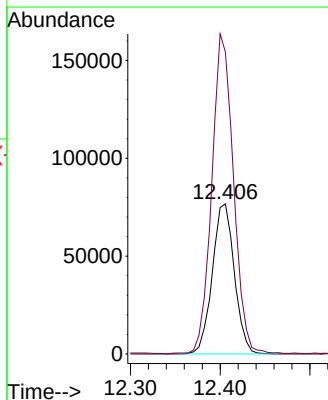
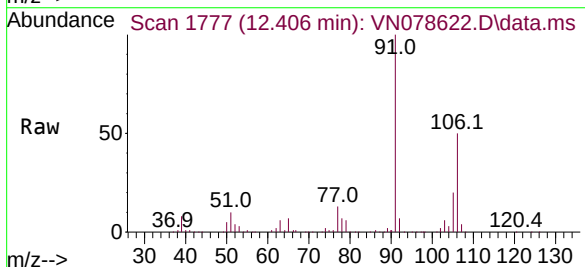
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

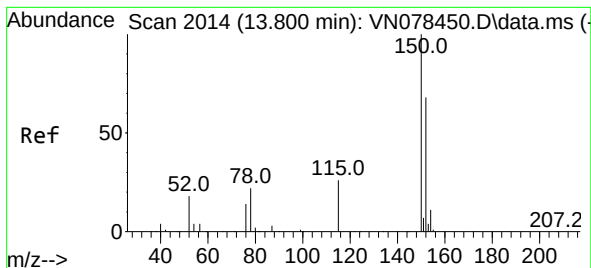
Tgt Ion:106 Resp: 222137
Ion Ratio Lower Upper
106 100
91 203.6 159.6 239.4



#69
o-Xylene
Concen: 12.220 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion:106 Resp: 130843
Ion Ratio Lower Upper
106 100
91 210.5 105.2 315.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-DRUM

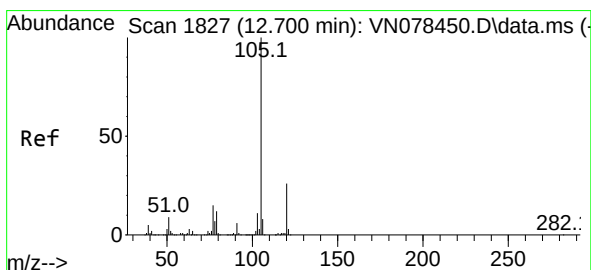
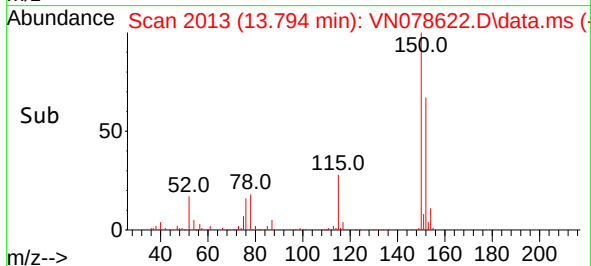
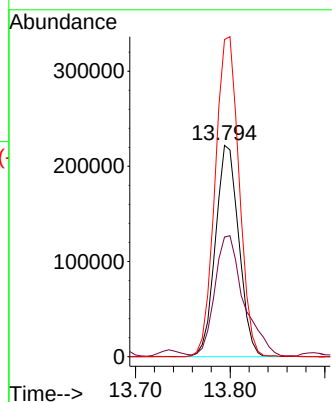
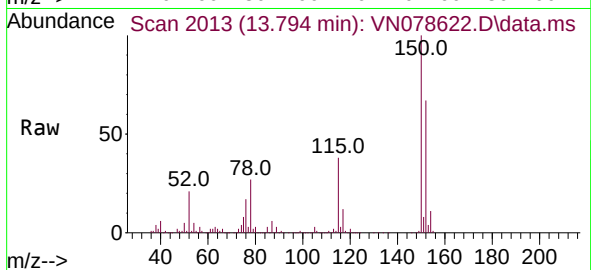
Tgt Ion:152 Resp: 380538

Ion Ratio Lower Upper

152 100

115 70.6 32.3 96.8

150 155.5 0.0 355.8



#73

Isopropylbenzene

Concen: 1.280 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN078622.D

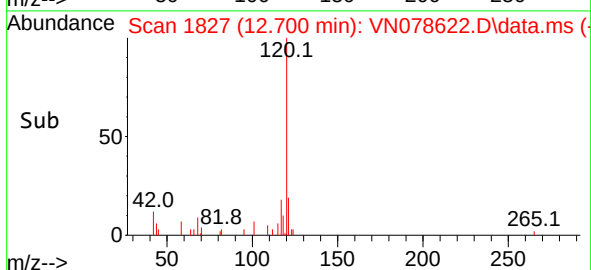
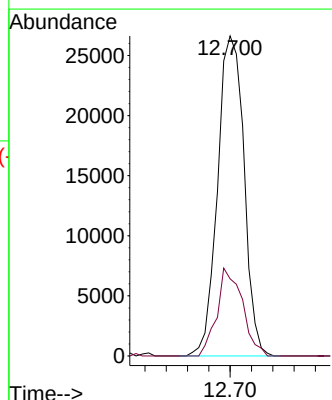
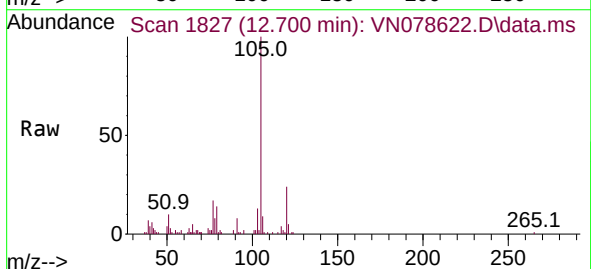
Acq: 21 Jul 2023 18:38

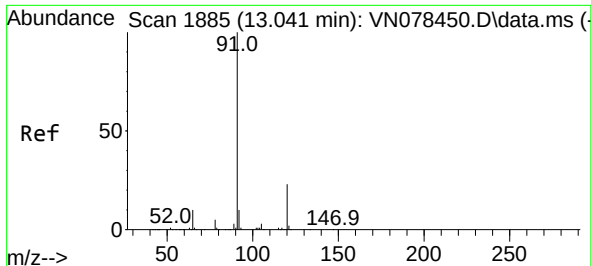
Tgt Ion:105 Resp: 45782

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.1

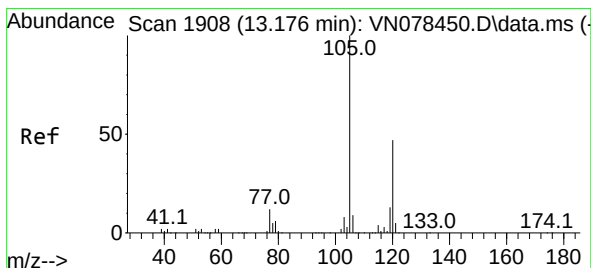
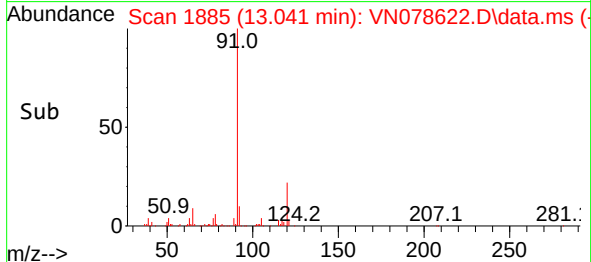
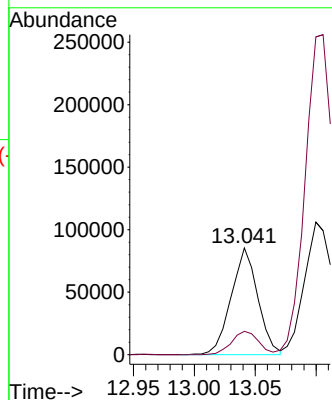
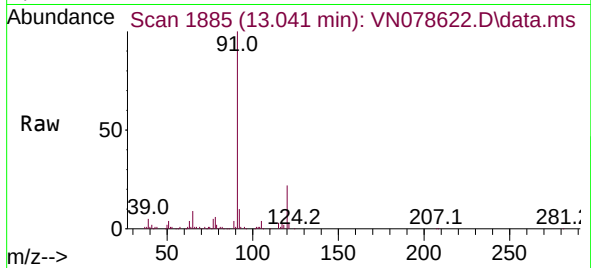




#78
n-propylbenzene
Concen: 3.398 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

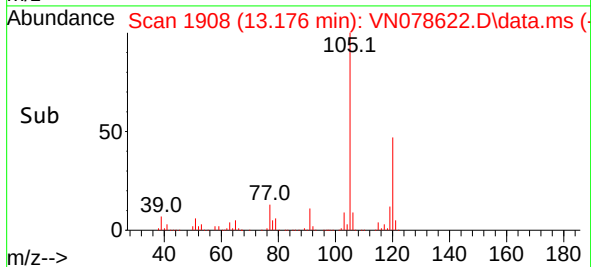
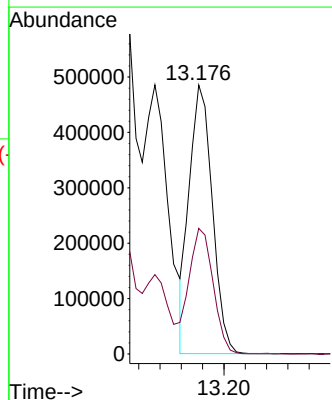
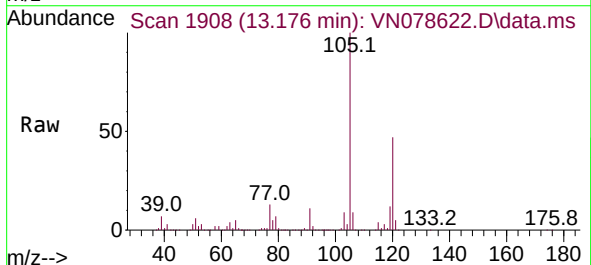
Instrument :
MSVOA_N
ClientSampleId :
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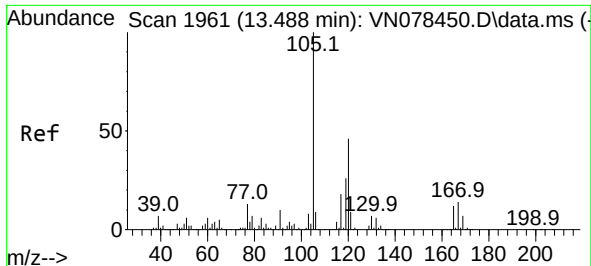
Tgt Ion: 91 Resp: 129944
Ion Ratio Lower Upper
91 100
120 22.3 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 25.819 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 105 Resp: 729440
Ion Ratio Lower Upper
105 100
120 50.7 24.1 72.3

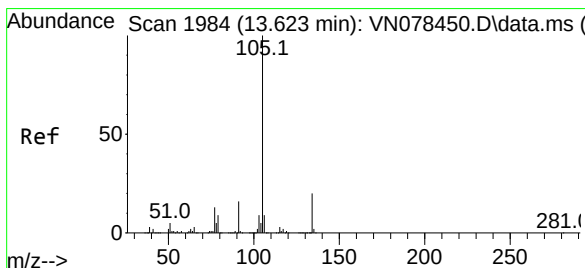
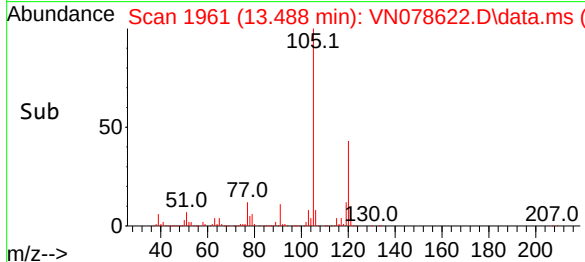
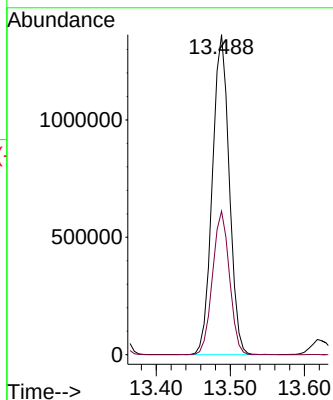
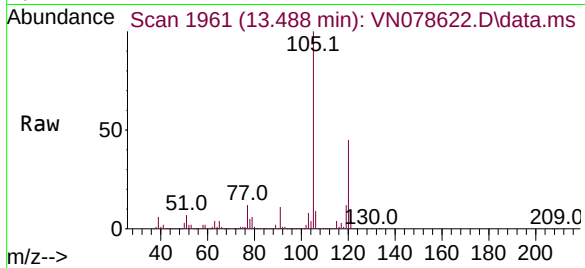




#84
1,2,4-Trimethylbenzene
Concen: 78.411 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

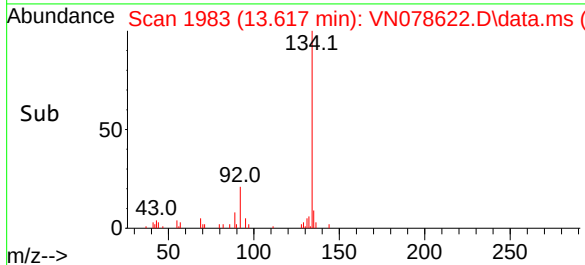
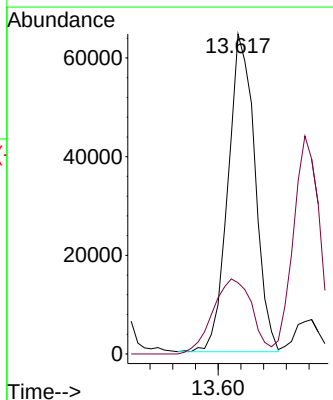
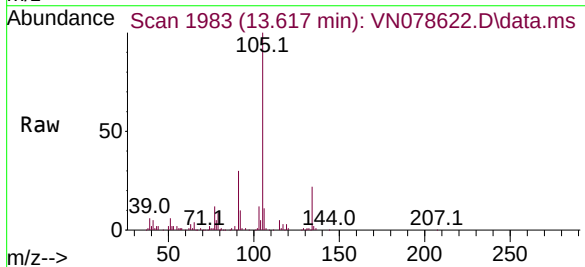
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

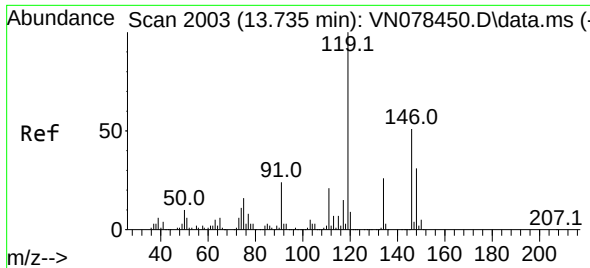
Tgt Ion:105 Resp: 2151785
Ion Ratio Lower Upper
105 100
120 44.9 22.0 66.0



#85
sec-Butylbenzene
Concen: 3.480 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion:105 Resp: 105522
Ion Ratio Lower Upper
105 100
134 34.6 9.8 29.3#

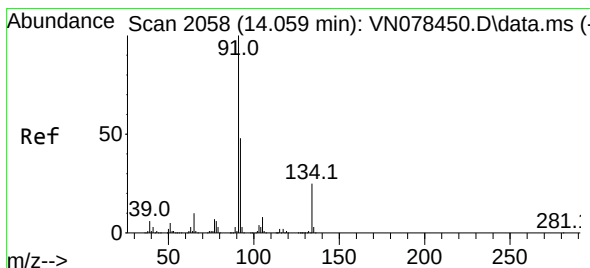
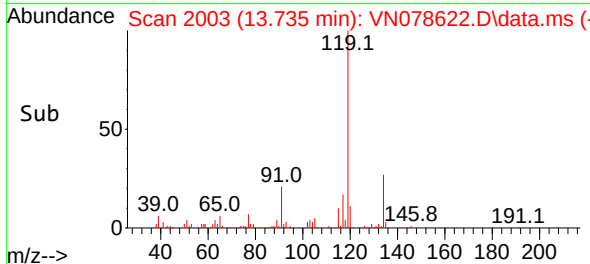
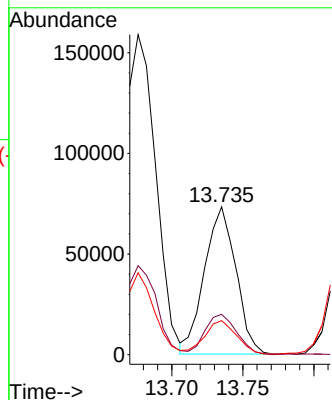
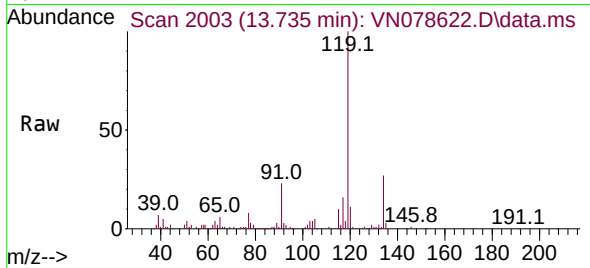




#86
p-Isopropyltoluene
Concen: 4.627 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

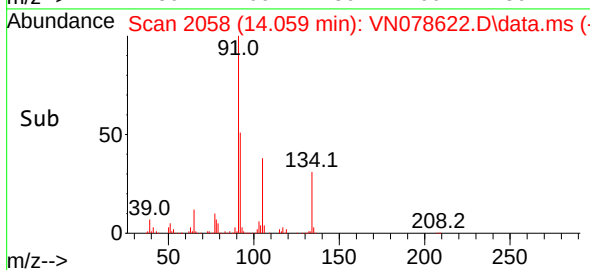
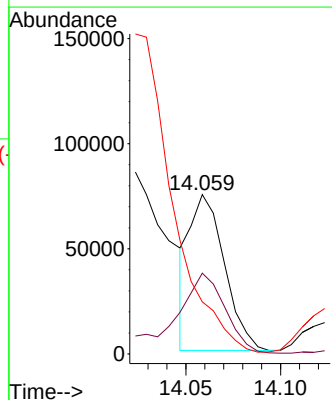
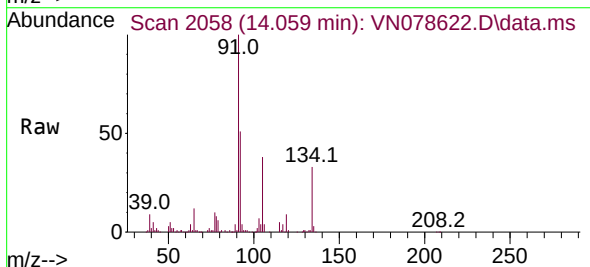
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

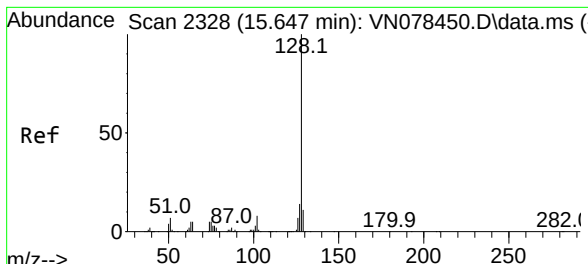
Tgt Ion:119 Resp: 112642
Ion Ratio Lower Upper
119 100
134 27.5 12.6 37.8
91 22.7 12.4 37.2



#89
n-Butylbenzene
Concen: 5.439 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

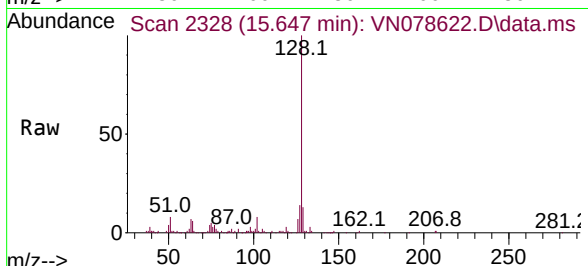
Tgt Ion: 91 Resp: 94737
Ion Ratio Lower Upper
91 100
92 72.9 26.4 79.0
134 0.0 12.6 37.6#





#95
 Naphthalene
 Concen: 11.239 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078622.D
 Acq: 21 Jul 2023 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 SLUDGE-DRUM



Tgt Ion:128 Resp: 167517

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.0	15.0
129	9.9	8.7	13.1

