

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			
3) Chloromethane	2.371	50	1792	0.314	ug/l	99
5) Bromomethane	2.971	94	1245	Below Cal		95
6) Chloroethane	3.095	64	1825	Below Cal	#	49
11) Tert butyl alcohol	5.542	59	620	0.700	ug/l #	72
15) Acrylonitrile	5.794	53	1111	0.497	ug/l #	25
16) Acetone	4.447	43	106100	59.306	ug/l	90
17) Carbon Disulfide	4.712	76	2837	0.217	ug/l #	75
18) Methyl Acetate	5.042	43	15749	2.080	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
29) Tetrahydrofuran	7.859	42	1381	0.747	ug/l #	24
31) Cyclohexane	8.230	56	59772	7.701	ug/l #	59
36) 1,1-Dichloropropene	8.235	75	34488	4.482	ug/l #	49
37) Ethyl Acetate	7.577	43	9892	1.542	ug/l #	88
38) Carbon Tetrachloride	8.230	117	46026	5.503	ug/l #	16
39) Methylcyclohexane	9.606	83	99070	14.104	ug/l	90
40) Benzene	8.612	78	14796	0.649	ug/l	100
42) 1,2-Dichloroethane	8.700	62	2611	0.337	ug/l #	73
43) Isopropyl Acetate	8.694	43	235147	22.264	ug/l #	81
47) Bromodichloromethane	9.877	83	3797	0.466	ug/l #	26
48) Methyl methacrylate	9.665	41	10011	2.046	ug/l #	28
49) 1,4-Dioxane	9.688	88	72	0.675	ug/l #	1
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
54) cis-1,3-Dichloropropene	10.365	75	79173	8.899	ug/l #	69
55) 1,1,2-Trichloroethane	11.012	97	18109	3.253	ug/l #	25
56) Ethyl methacrylate	10.859	69	1982	0.255	ug/l #	29
57) 1,3-Dichloropropane	11.206	76	6618	0.699	ug/l #	47
58) 2-Chloroethyl Vinyl ether	10.165	63	1050	0.379	ug/l #	74
59) 2-Hexanone	11.176	43	237676	53.233	ug/l #	19
67) Ethyl Benzene	11.970	91	19289	0.673	ug/l #	84
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
70) Styrene	12.400	104	8149	0.486	ug/l #	1
71) Bromoform	12.853	173	3600	0.815	ug/l #	28
73) Isopropylbenzene	12.700	105	45782	1.280	ug/l	99

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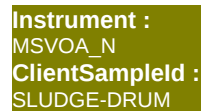
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)

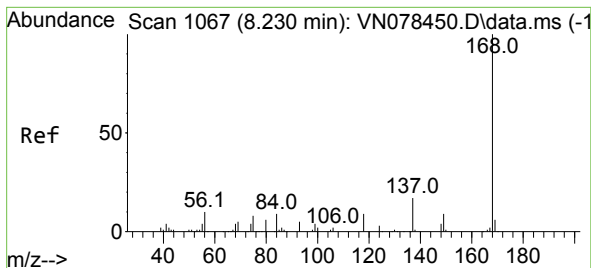
75) 1,1,2,2-Tetrachloroethane	12.935	83	743	Below Cal #	86
76) 1,2,3-Trichloropropane	13.100	75	12739	1.385 ug/l #	1
77) Bromobenzene	12.982	156	73	Below Cal #	1
78) n-propylbenzene	13.041	91	129944	3.398 ug/l	99
79) 2-Chlorotoluene	13.100	91	192007	7.666 ug/l #	42
80) 1,3,5-Trimethylbenzene	13.176	105	729440	25.819 ug/l	96
81) trans-1,4-Dichloro-2-b...	12.853	75	190243	54.351 ug/l #	15
82) 4-Chlorotoluene	13.176	91	78334	3.352 ug/l #	41
83) tert-Butylbenzene	13.488	119	282583	11.781 ug/l #	72
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
90) Hexachloroethane	14.335	117	88575	19.294 ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.741	75	537	Below Cal #	4
95) Naphthalene	15.647	128	167517	11.239 ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. 0.005 min

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MSVOA_N

ClientSampleId :

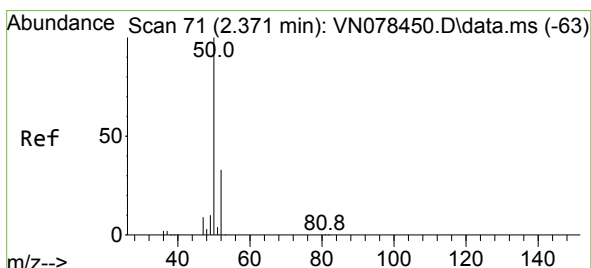
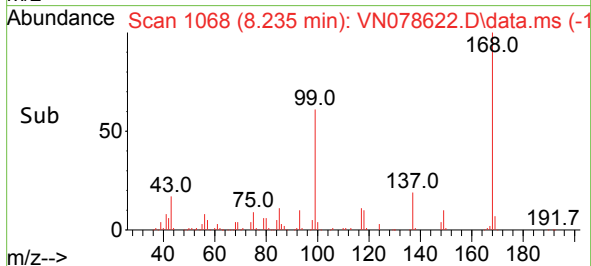
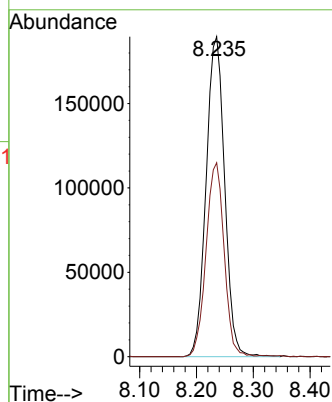
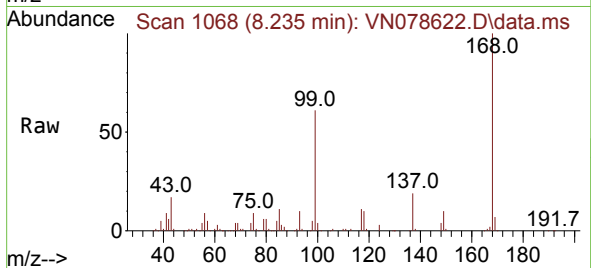
SLUDGE-DRUM

Tgt Ion:168 Resp: 428410

Ion Ratio Lower Upper

168 100

99 60.6 53.0 79.6



#3

Chloromethane

Concen: 0.314 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078622.D

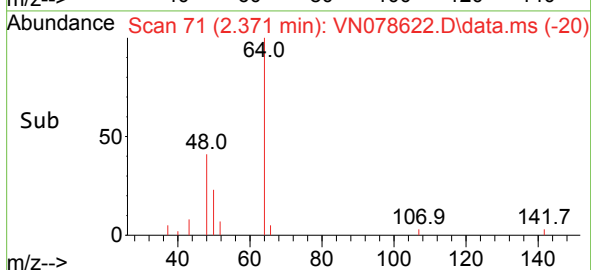
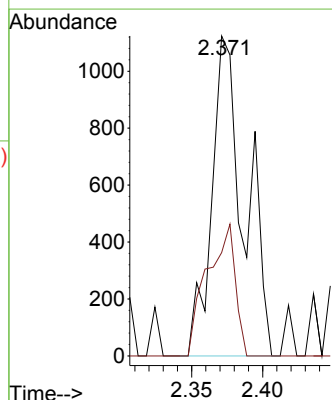
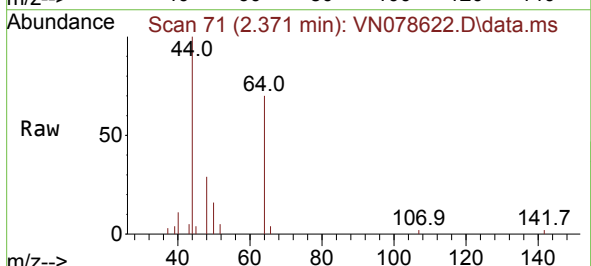
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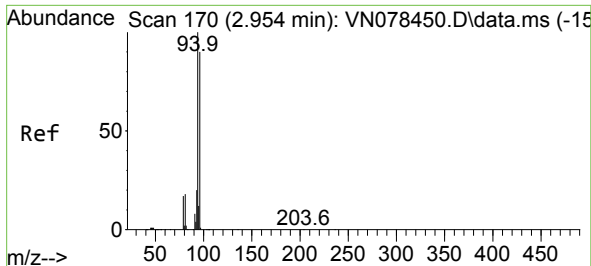
Tgt Ion: 50 Resp: 1792

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7

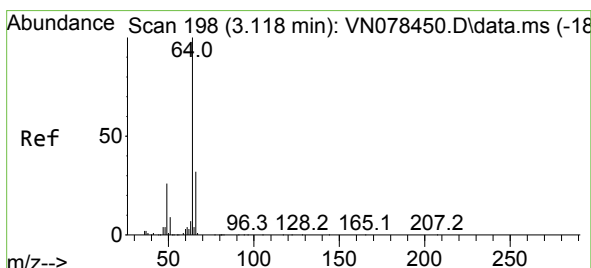
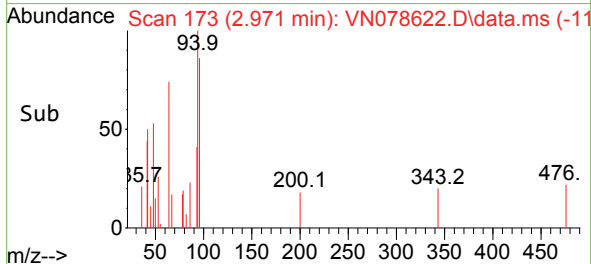
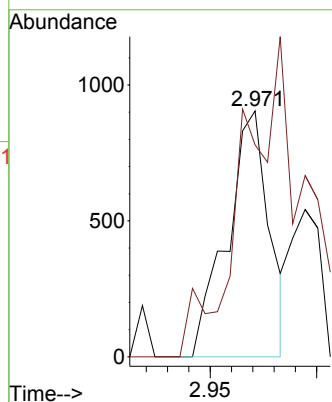
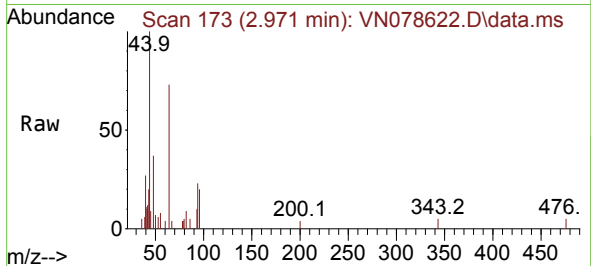




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

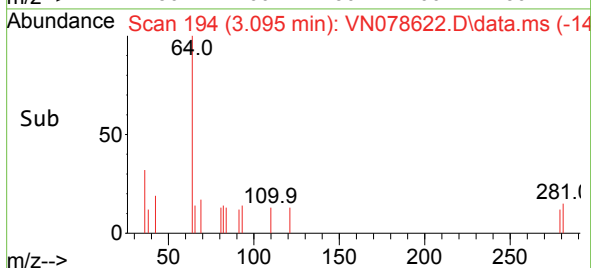
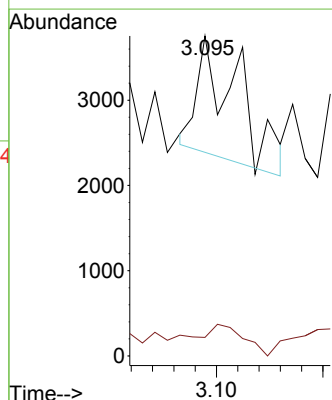
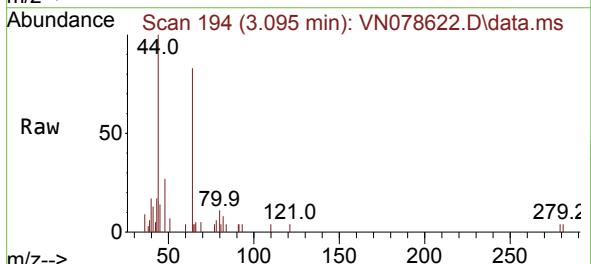
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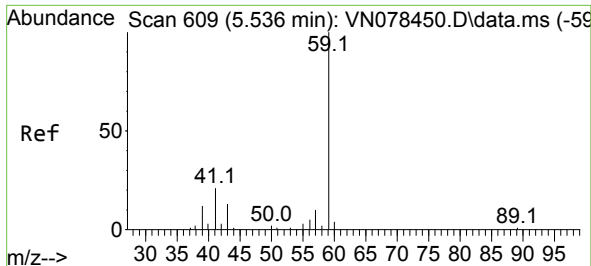
Tgt Ion: 94 Resp: 1245
Ion Ratio Lower Upper
94 100
96 86.2 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 64 Resp: 1825
Ion Ratio Lower Upper
64 100
66 3.2 25.4 38.2#

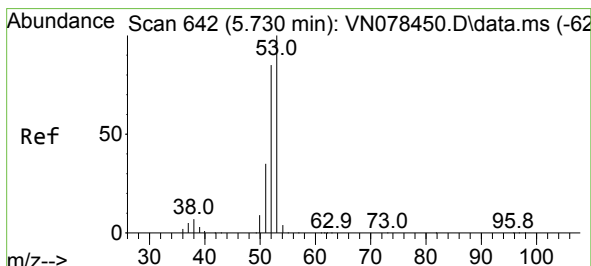
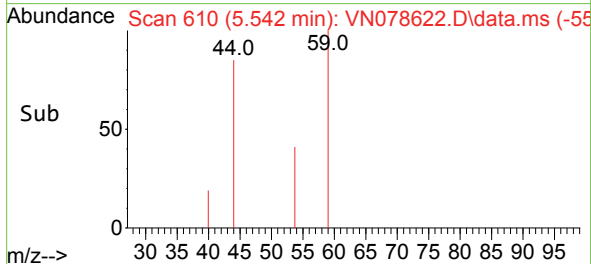
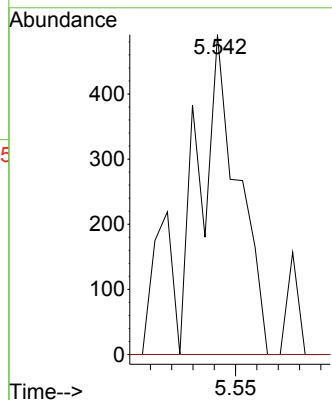
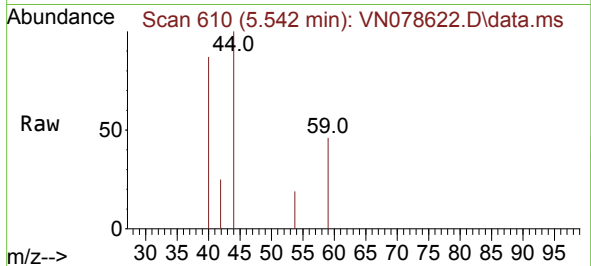




#11
Tert butyl alcohol
Concen: 0.700 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

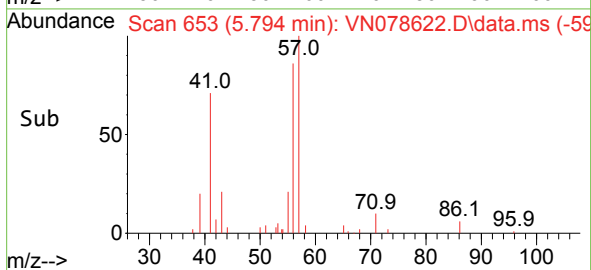
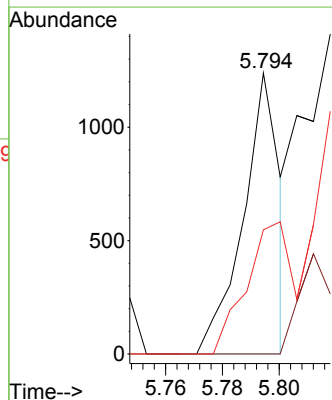
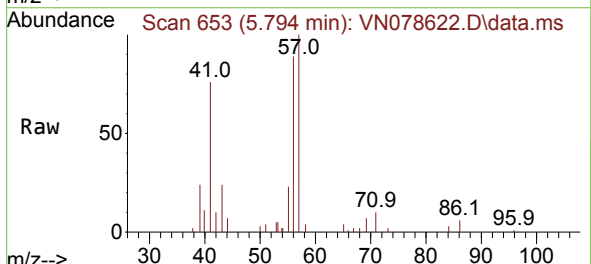
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

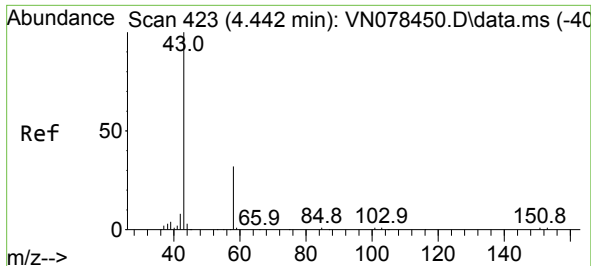
Tgt Ion: 59 Resp: 620
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#15
Acrylonitrile
Concen: 0.497 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.064 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 53 Resp: 1111
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 58.5 28.9 43.3#

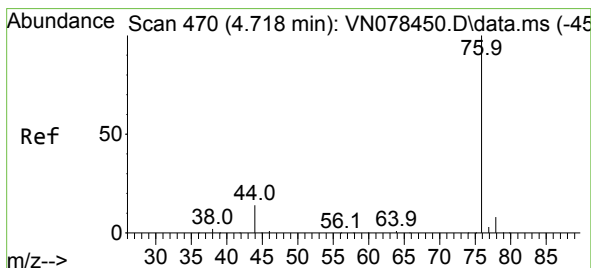
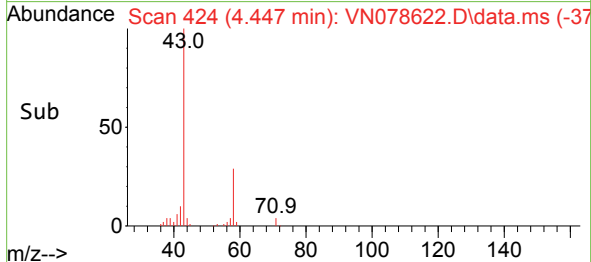
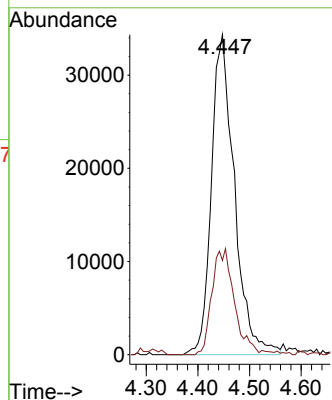
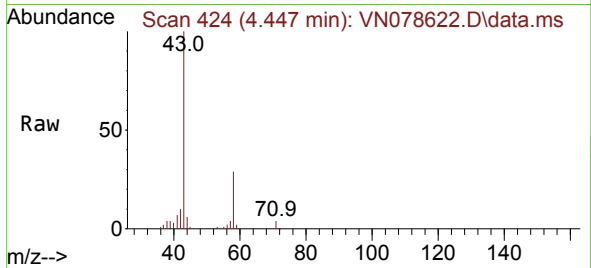




#16
Acetone
Concen: 59.306 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

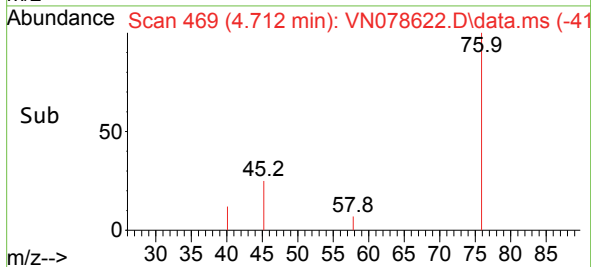
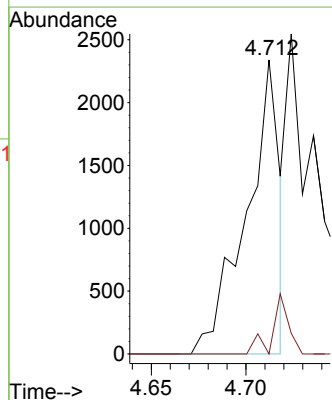
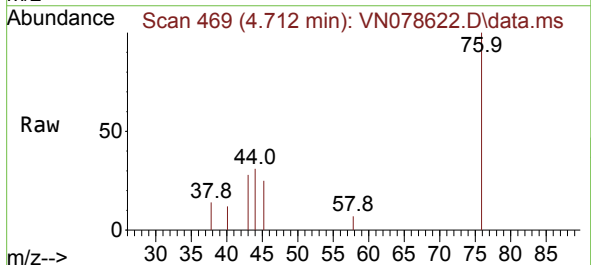
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ClientSampleId :
SLUDGE-DRUM

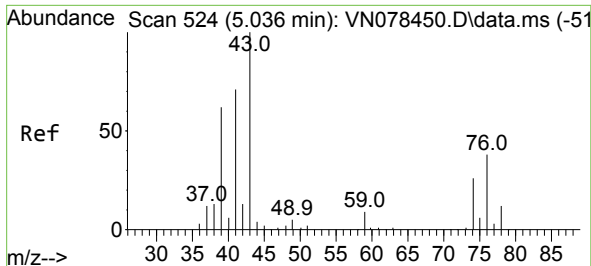
Tgt Ion: 43 Resp: 106100
Ion Ratio Lower Upper
43 100
58 29.5 28.0 42.0



#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 76 Resp: 2837
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

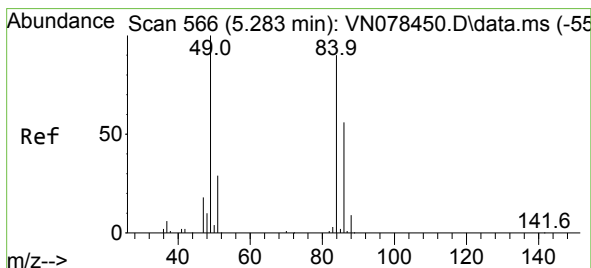
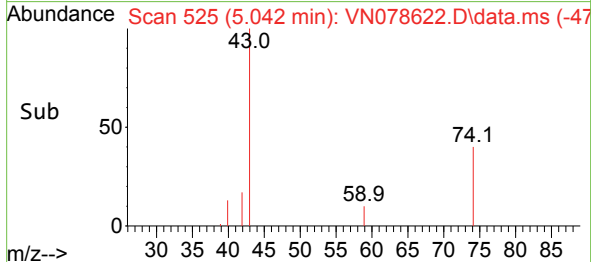
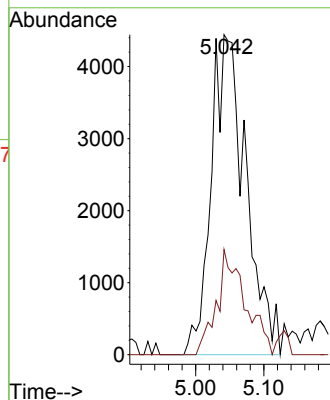
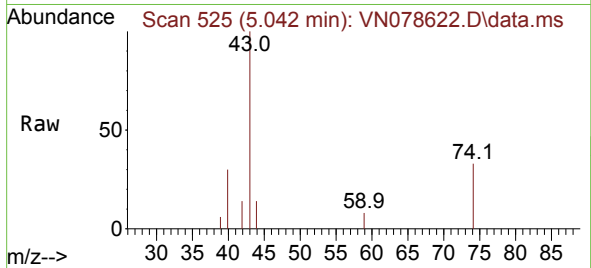




#18
Methyl Acetate
Concen: 2.080 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

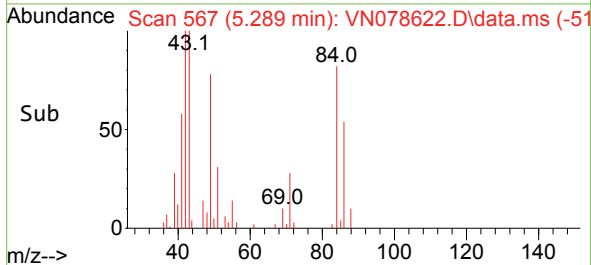
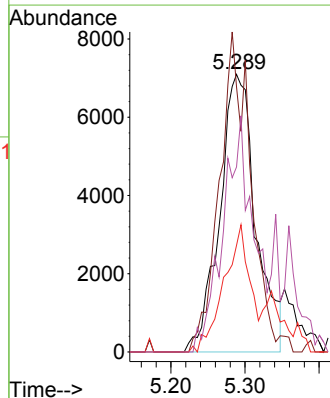
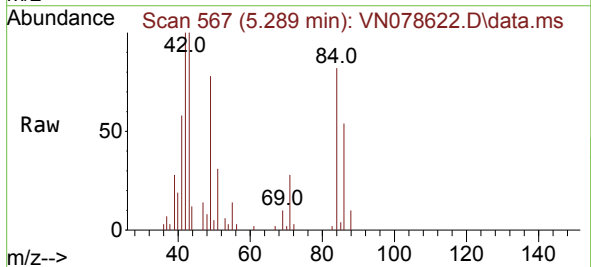
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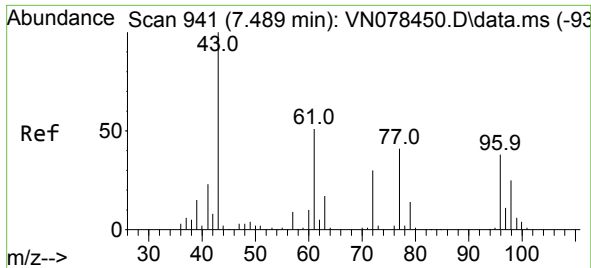
Tgt Ion: 43 Resp: 15749
Ion Ratio Lower Upper
43 100
74 27.0 26.2 39.4



#20
Methylene Chloride
Concen: 3.528 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

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

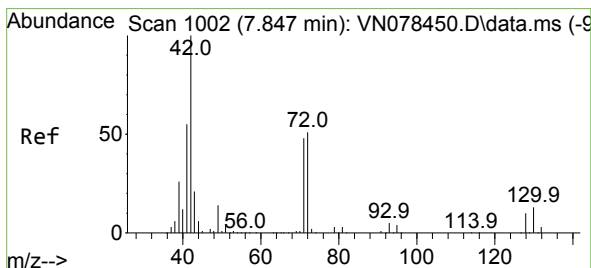
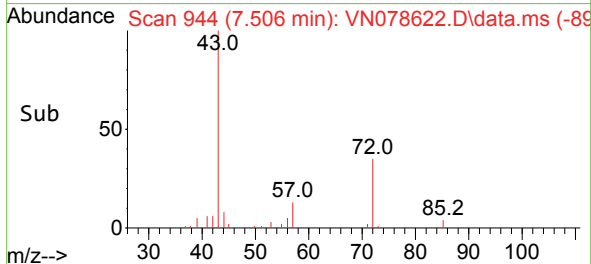
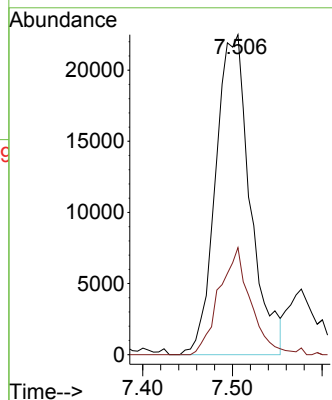
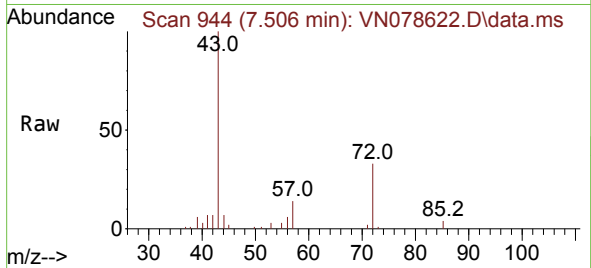




#25
2-Butanone
Concen: 21.383 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.017 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

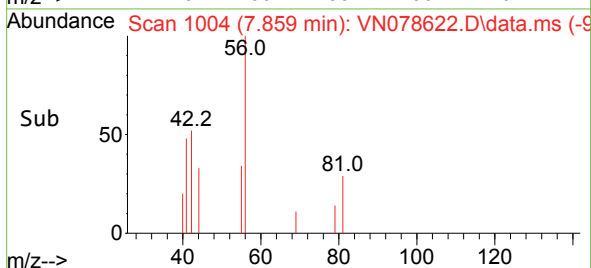
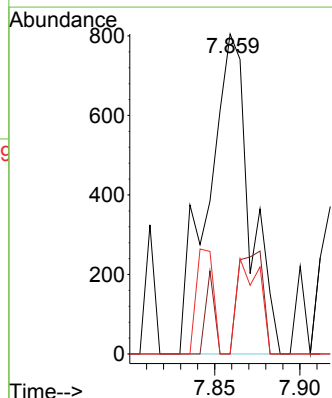
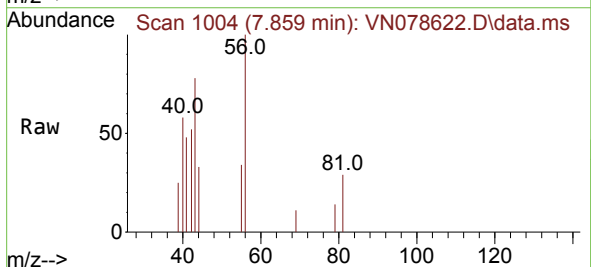
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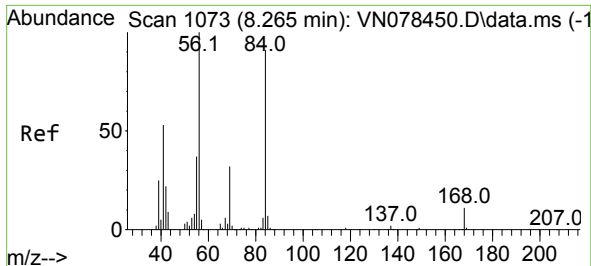
Tgt Ion: 43 Resp: 60218
Ion Ratio Lower Upper
43 100
72 33.4 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.747 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 42 Resp: 1381
Ion Ratio Lower Upper
42 100
72 5.4 49.8 74.6#
71 0.0 47.4 71.2#

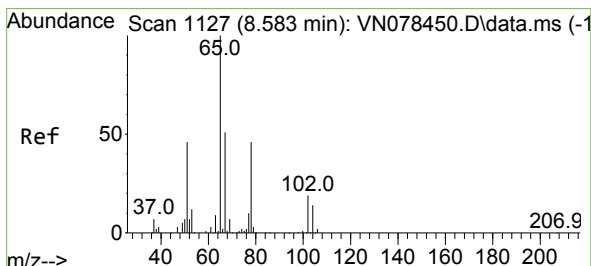
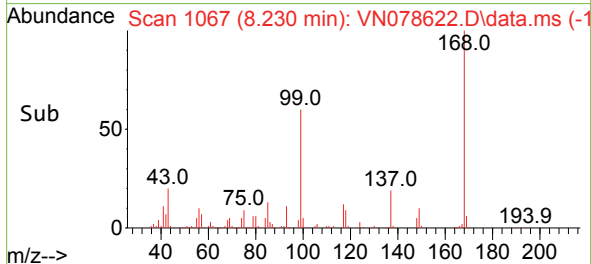
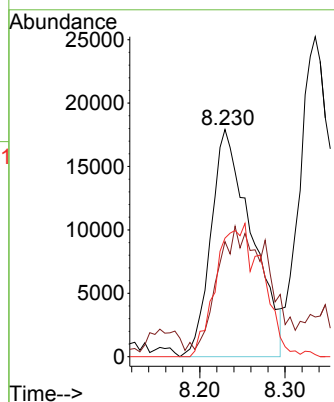
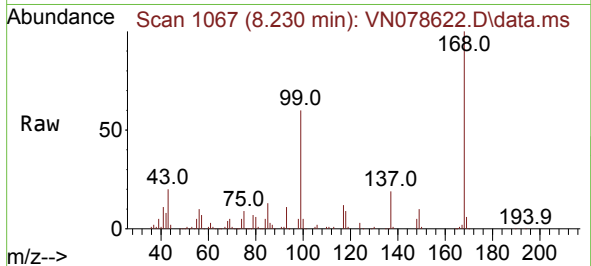




#31
Cyclohexane
Concen: 7.701 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.035 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

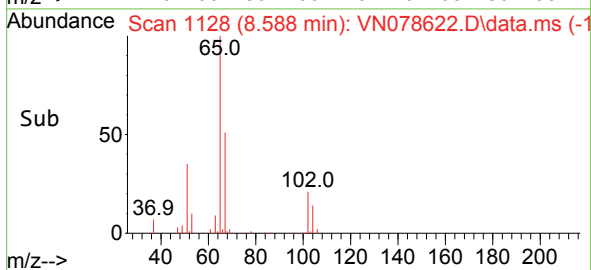
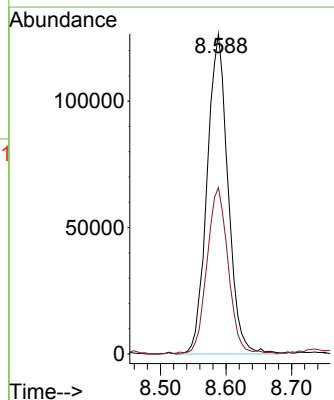
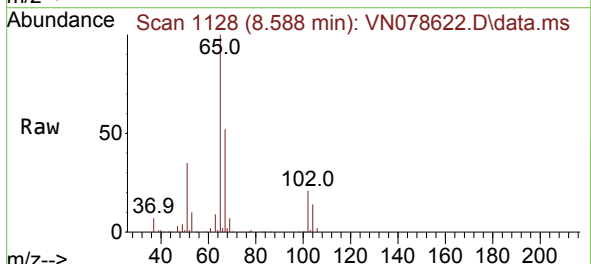
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

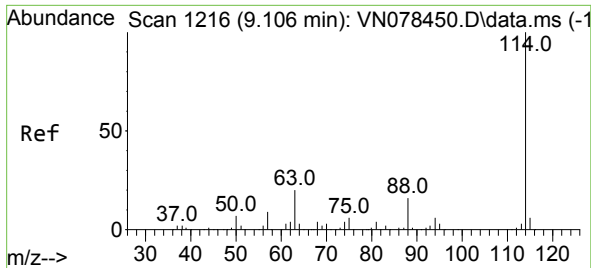
Tgt Ion: 56 Resp: 59772
Ion Ratio Lower Upper
56 100
69 42.5 26.8 40.2#
84 52.2 81.8 122.6#



#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

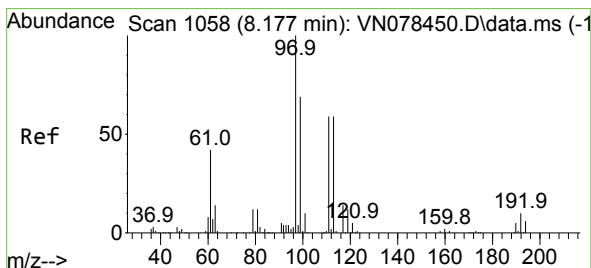
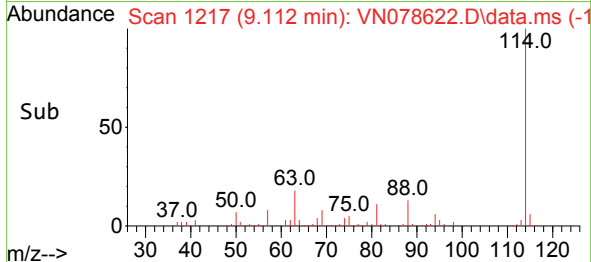
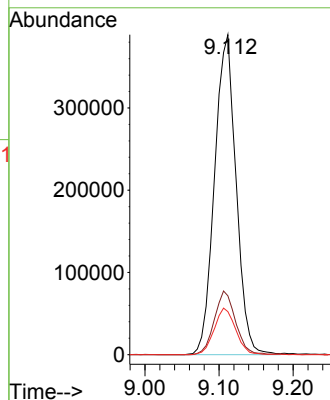
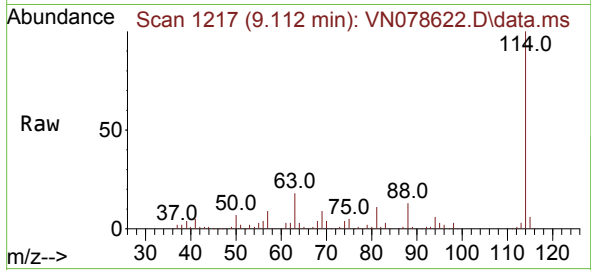




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

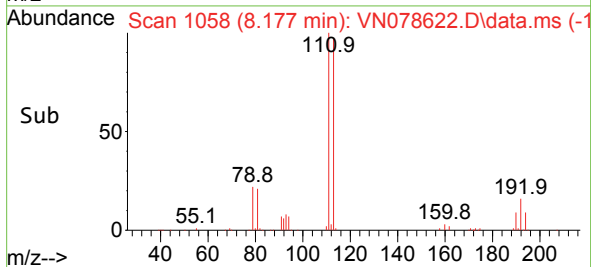
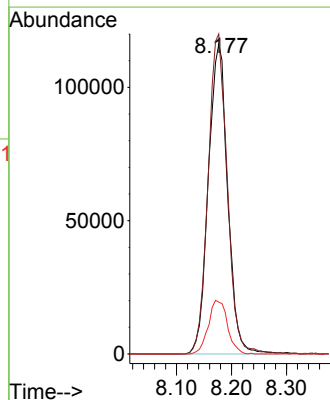
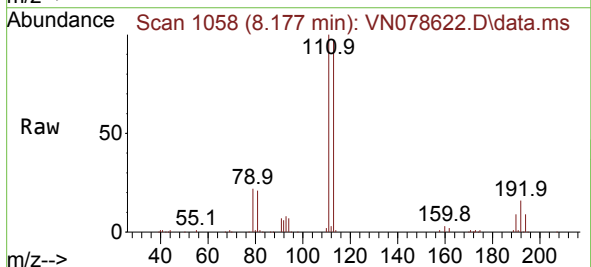
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

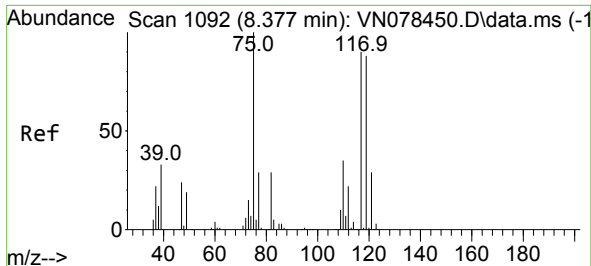
Tgt Ion:114 Resp: 785117
Ion Ratio Lower Upper
114 100
63 18.4 0.0 36.4
88 13.5 0.0 30.6



#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

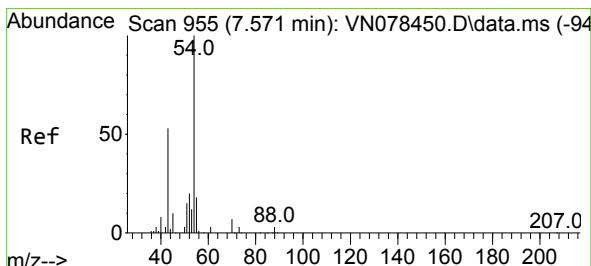
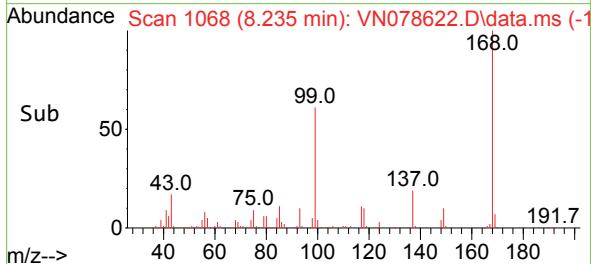
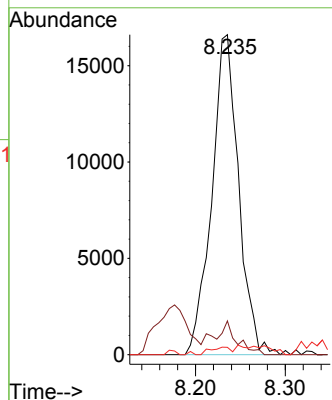
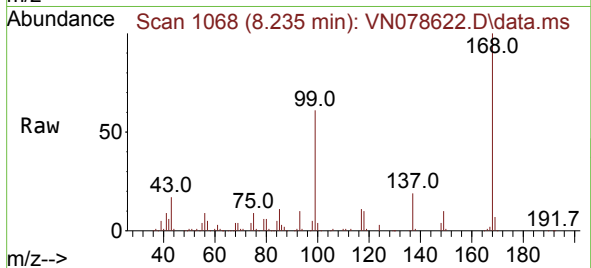




#36
1,1-Dichloropropene
Concen: 4.482 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

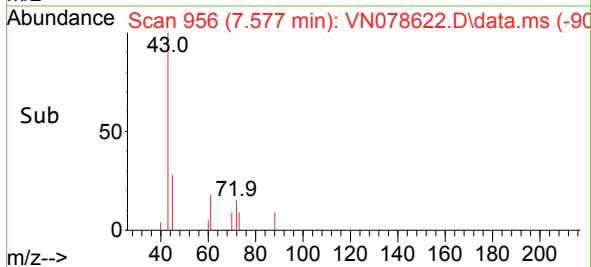
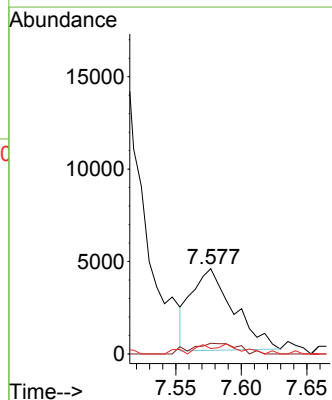
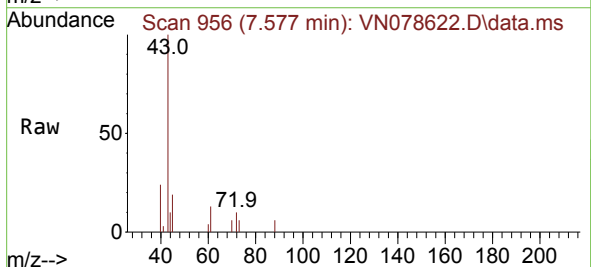
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

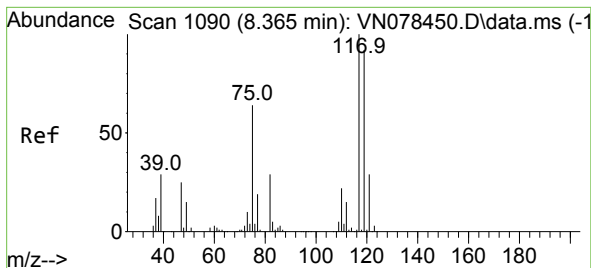
Tgt Ion: 75 Resp: 34488
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 1.8 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.542 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

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#





#38

Carbon Tetrachloride

Concen: 5.503 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN078622.D

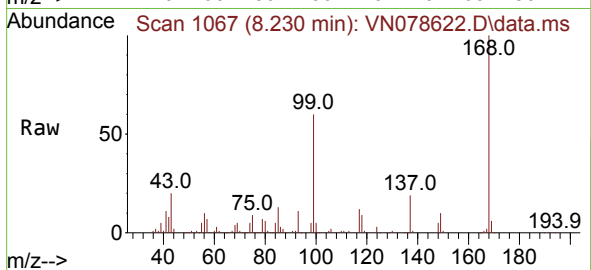
Acq: 21 Jul 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-DRUM



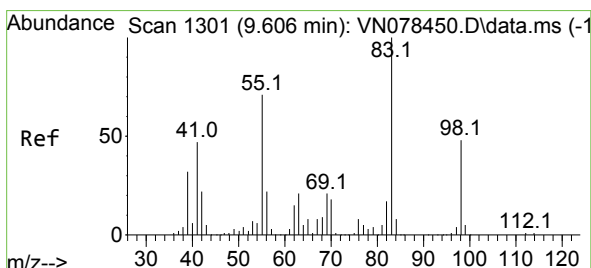
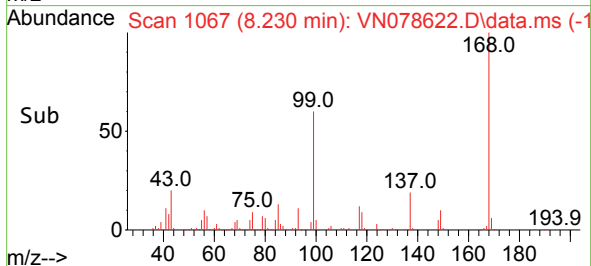
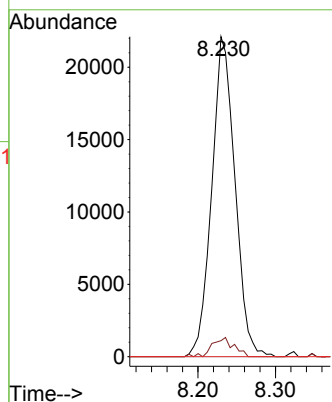
Tgt Ion:117 Resp: 46026

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

121 0.0 23.3 34.9#



#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

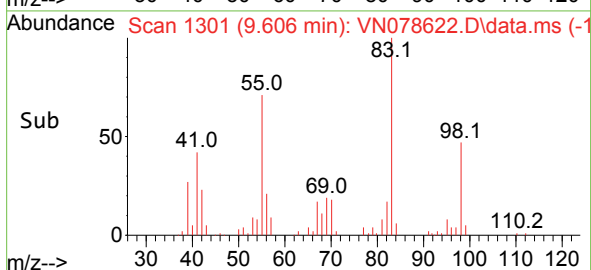
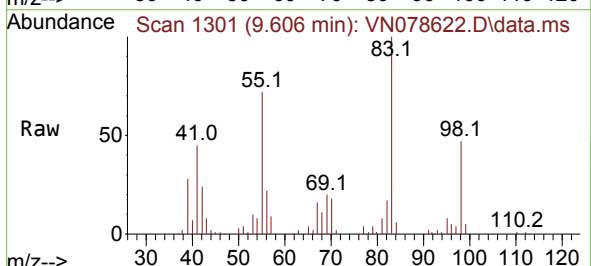
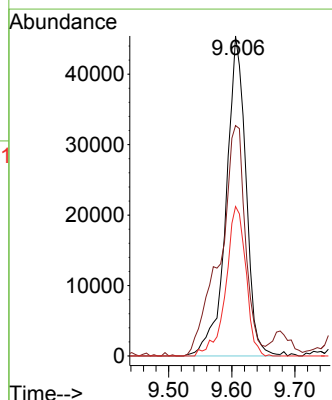
Tgt Ion: 83 Resp: 99070

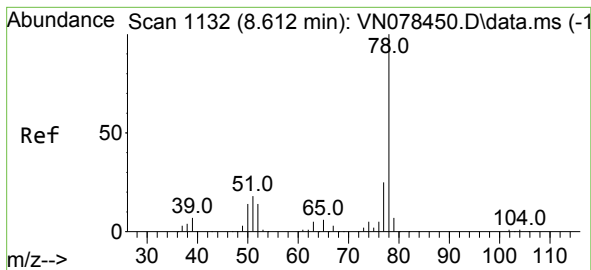
Ion Ratio Lower Upper

83 100

55 72.0 49.1 73.7

98 46.7 40.6 61.0





#40

Benzene

Concen: 0.649 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

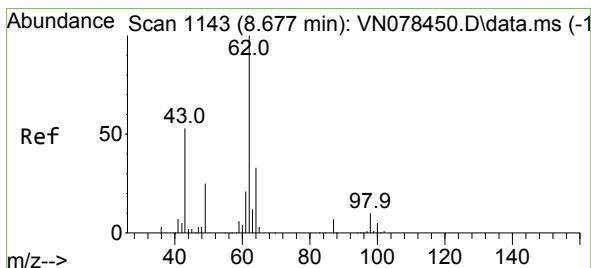
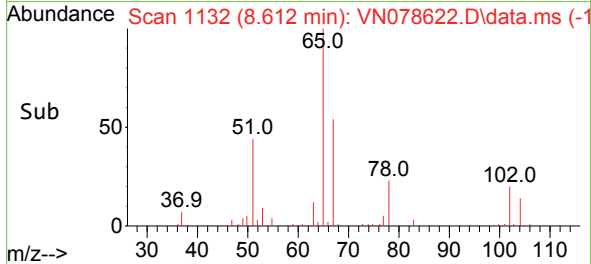
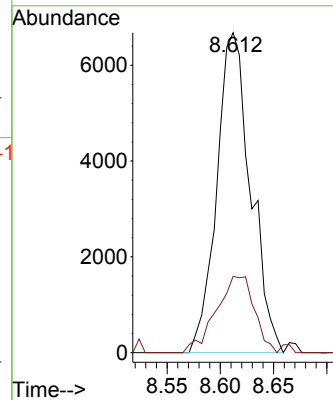
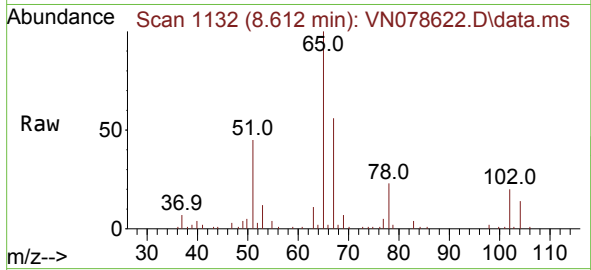
SLUDGE-DRUM

Tgt Ion: 78 Resp: 14796

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6



#42

1,2-Dichloroethane

Concen: 0.337 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.023 min

Lab File: VN078622.D

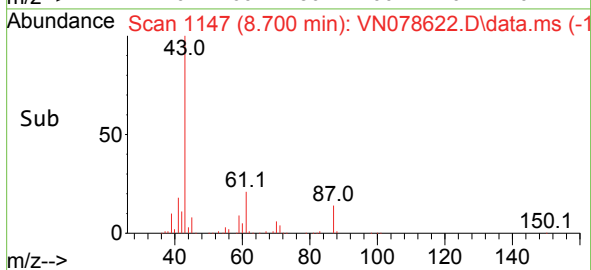
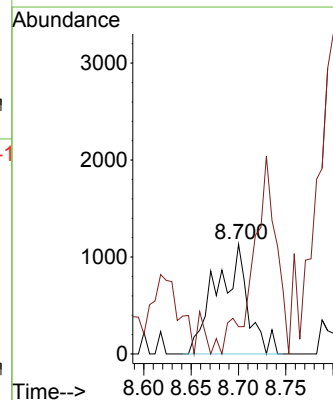
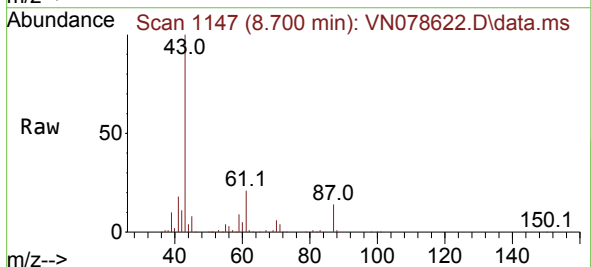
Acq: 21 Jul 2023 18:38

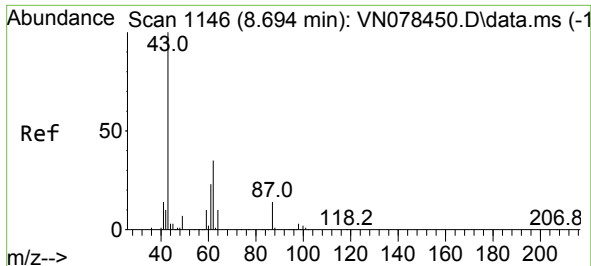
Tgt Ion: 62 Resp: 2611

Ion Ratio Lower Upper

62 100

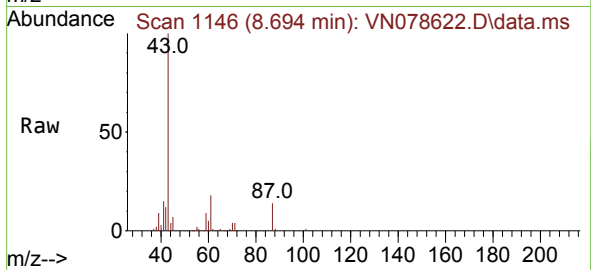
98 0.0 0.0 19.8



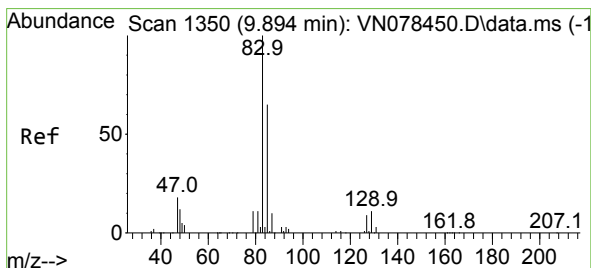
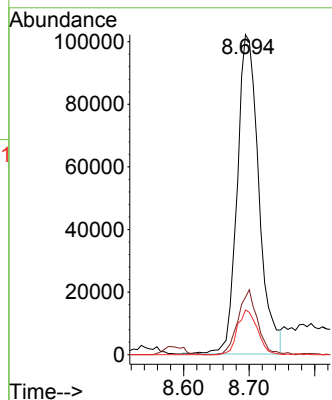
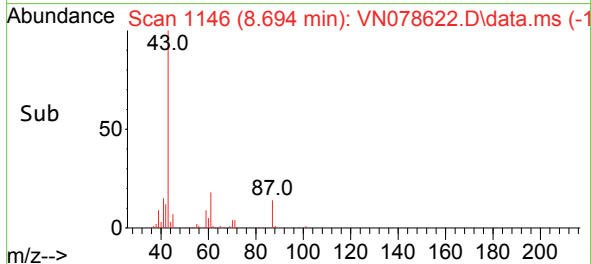


#43
Isopropyl Acetate
Concen: 22.264 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

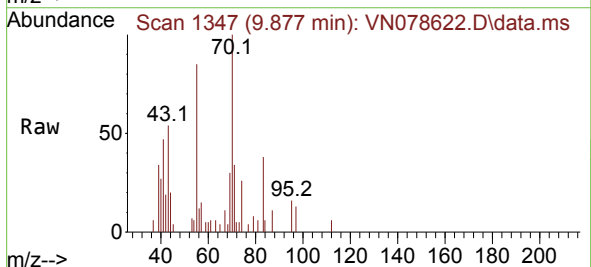
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM



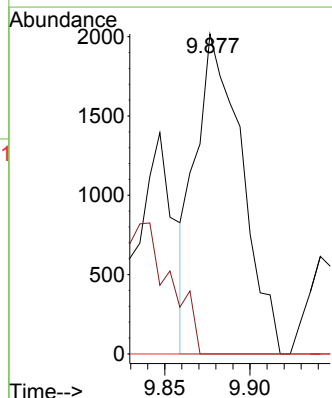
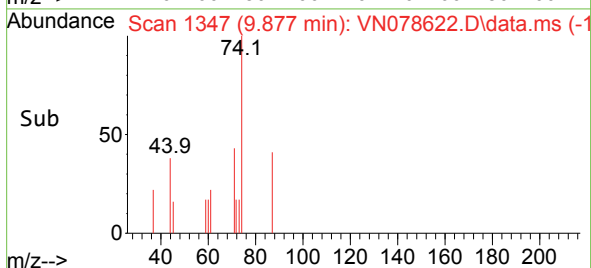
Tgt Ion: 43 Resp: 235147
Ion Ratio Lower Upper
43 100
61 18.4 24.7 37.1#
87 12.9 14.6 21.8#

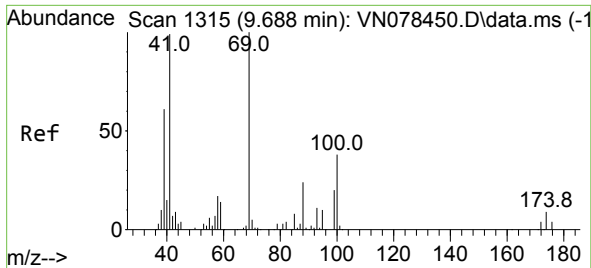


#47
Bromodichloromethane
Concen: 0.466 ug/l
RT: 9.877 min Scan# 1347
Delta R.T. -0.017 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38



Tgt Ion: 83 Resp: 3797
Ion Ratio Lower Upper
83 100
85 0.0 49.6 74.4#
127 0.0 7.0 10.6#

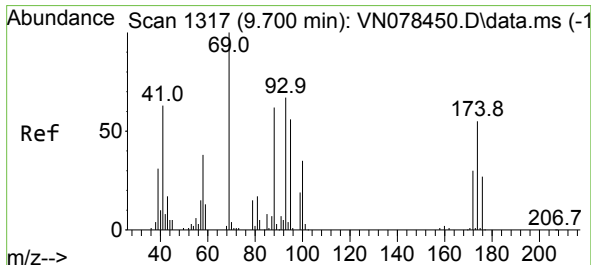
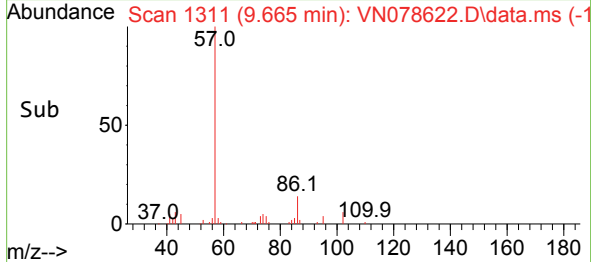
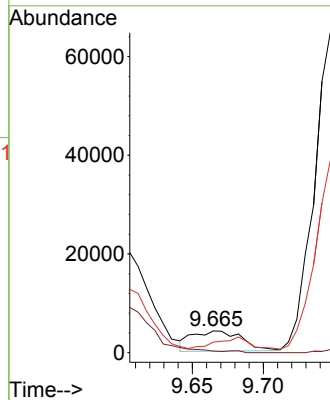
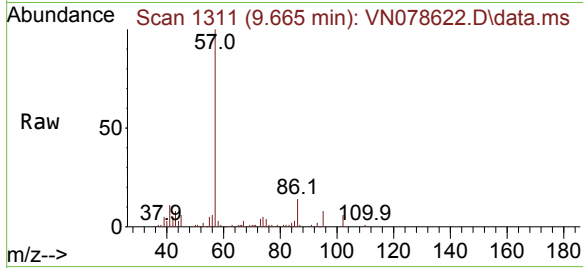




#48
Methyl methacrylate
Concen: 2.046 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

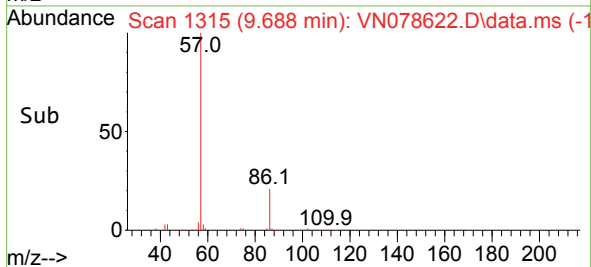
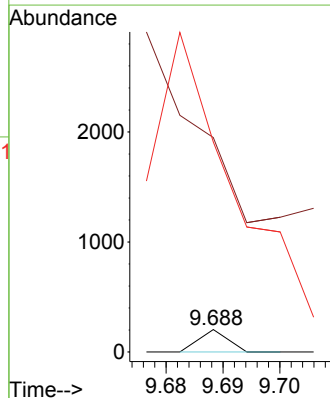
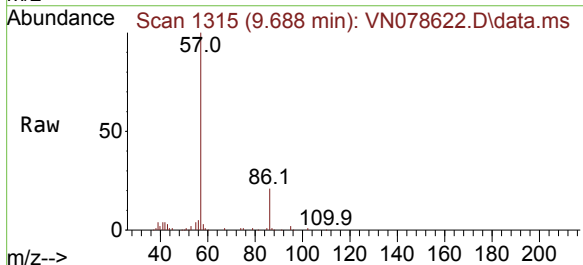
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

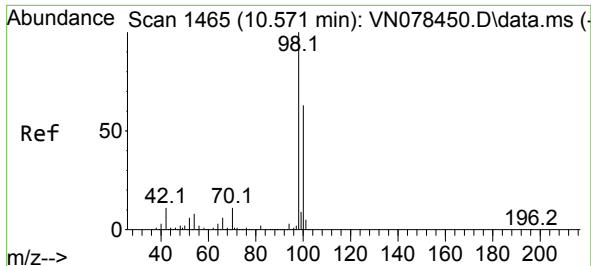
Tgt Ion: 41 Resp: 10011
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 54.9 54.6 81.8



#49
1,4-Dioxane
Concen: 0.675 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.012 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 8059.7 47.0 70.4#

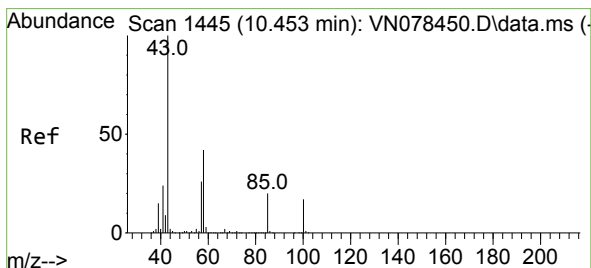
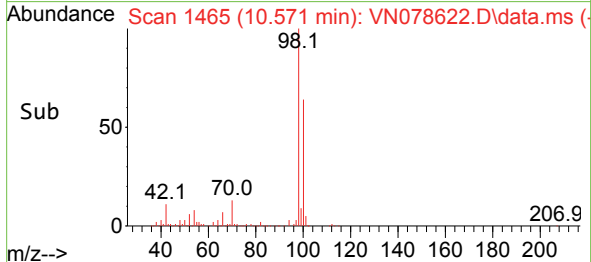
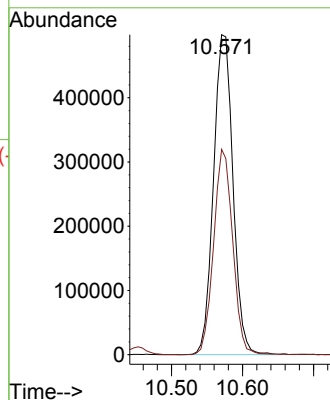
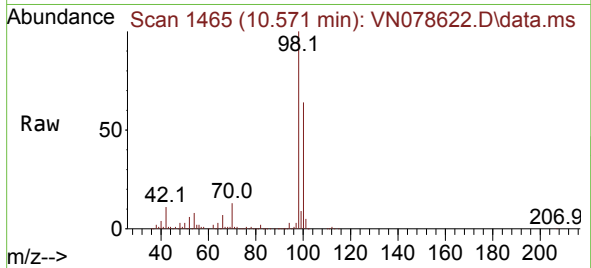




#50
Toluene-d8
Concen: 47.017 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

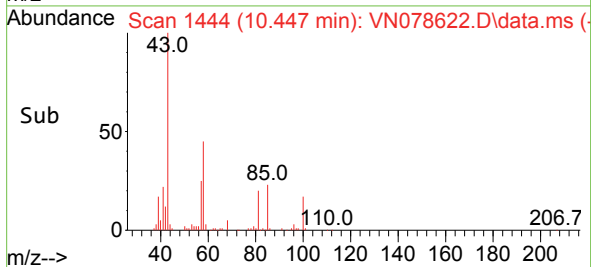
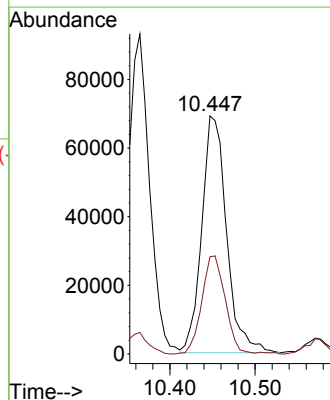
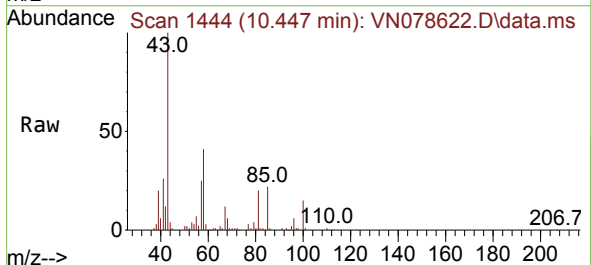
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

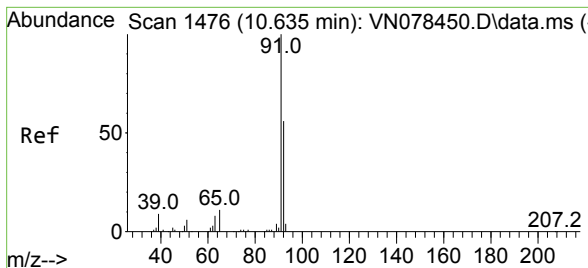
Tgt Ion: 98 Resp: 946622
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0



#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

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

Instrument :

MSVOA_N

ClientSampleId :

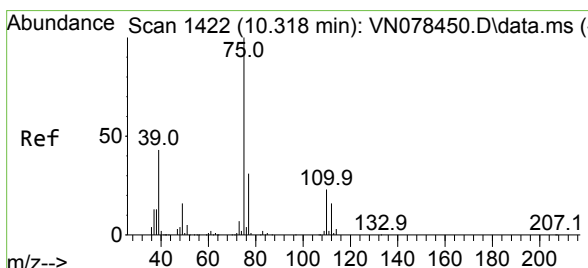
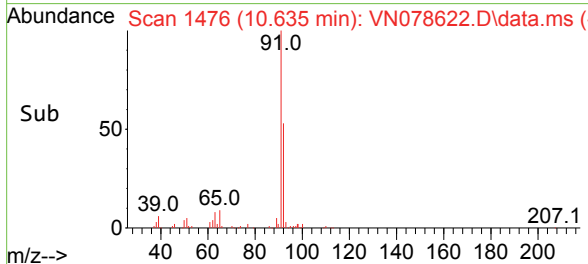
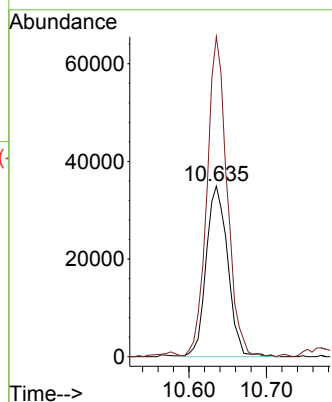
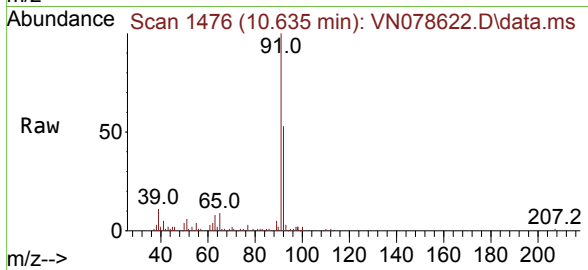
SLUDGE-DRUM

Tgt Ion: 92 Resp: 67442

Ion Ratio Lower Upper

92 100

91 175.5 137.4 206.0



#54

cis-1,3-Dichloropropene

Concen: 8.899 ug/l

RT: 10.365 min Scan# 1430

Delta R.T. 0.047 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

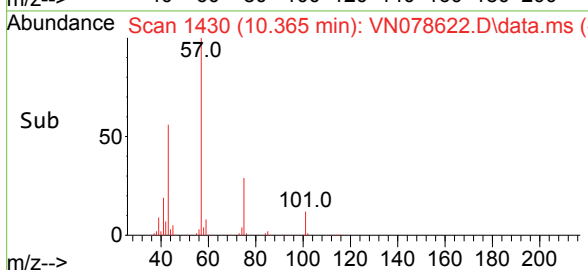
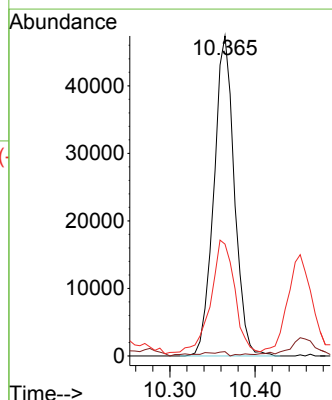
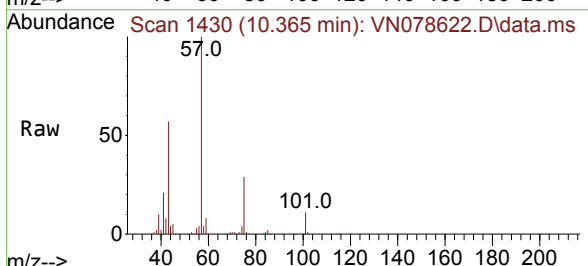
Tgt Ion: 75 Resp: 79173

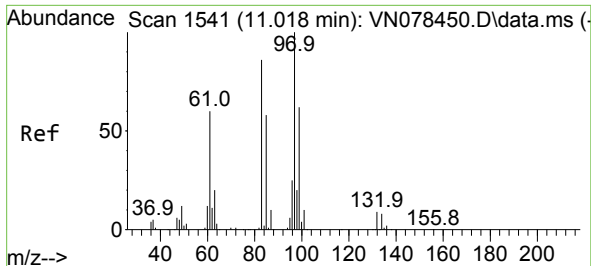
Ion Ratio Lower Upper

75 100

77 0.9 26.1 39.1#

39 33.7 31.6 47.4

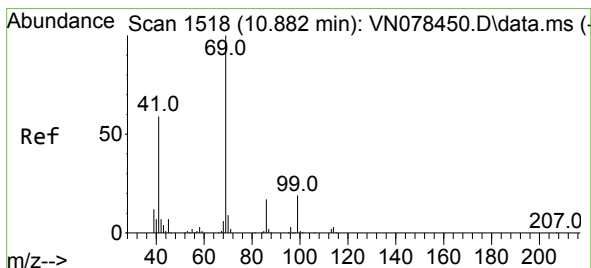
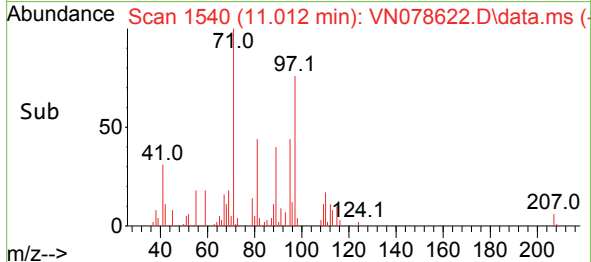
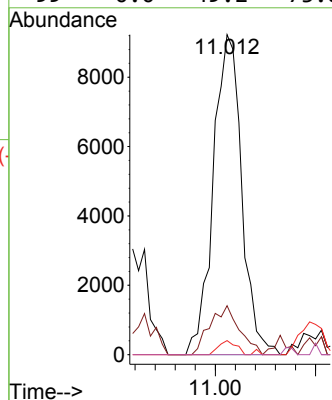
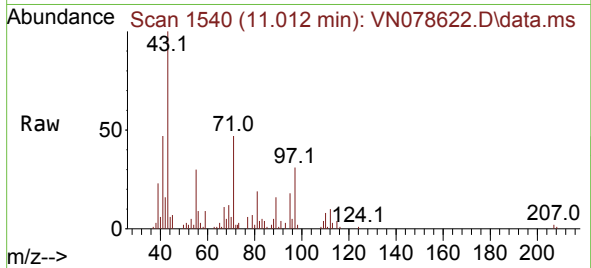




#55
1,1,2-Trichloroethane
Concen: 3.253 ug/l
RT: 11.012 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

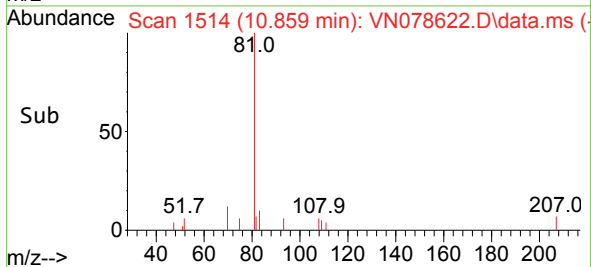
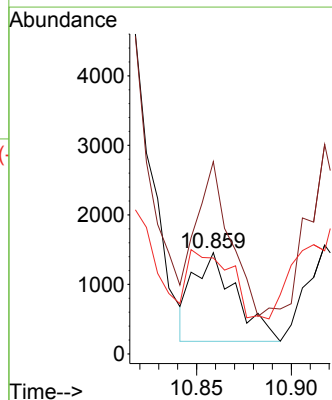
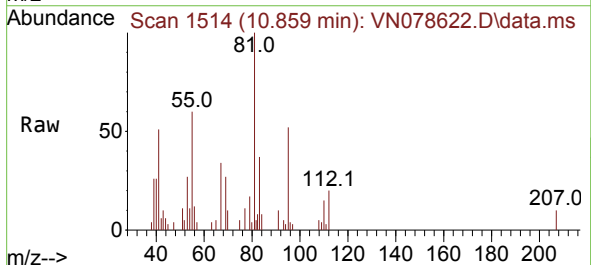
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

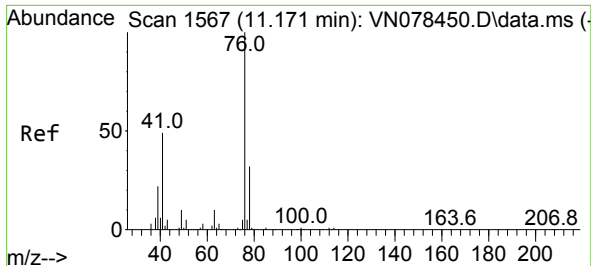
Tgt Ion: 97	Resp:	18109
Ion	Ratio	Lower Upper
97	100	
83	15.3	65.1 97.7#
85	4.4	43.4 65.2#
99	0.0	49.2 73.8#



#56
Ethyl methacrylate
Concen: 0.255 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. -0.023 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 69	Resp:	1982
Ion	Ratio	Lower Upper
69	100	
41	0.0	39.6 59.4#
39	76.5	28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.699 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

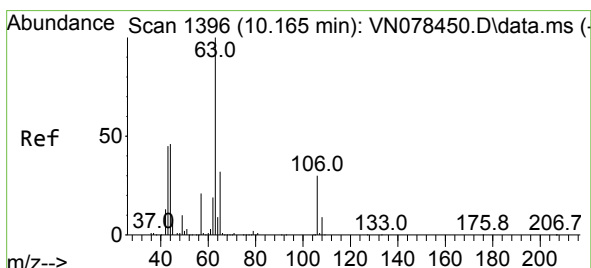
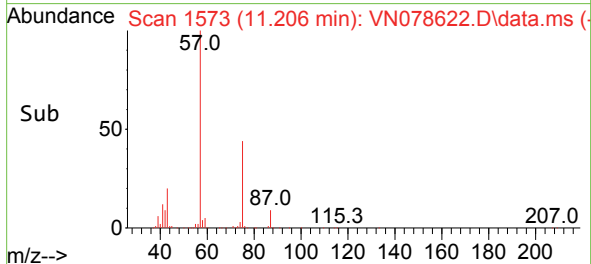
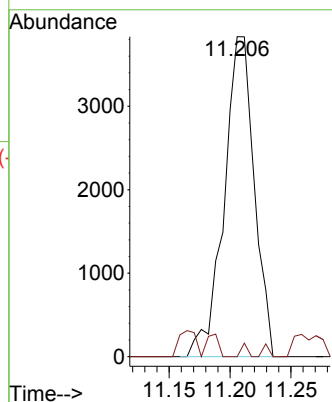
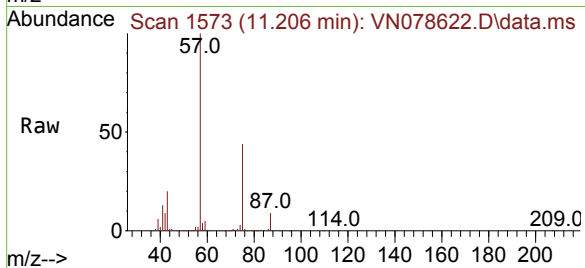
SLUDGE-DRUM

Tgt Ion: 76 Resp: 6618

Ion Ratio Lower Upper

76 100

78 2.7 26.1 39.1#



#58

2-Chloroethyl Vinyl ether

Concen: 0.379 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN078622.D

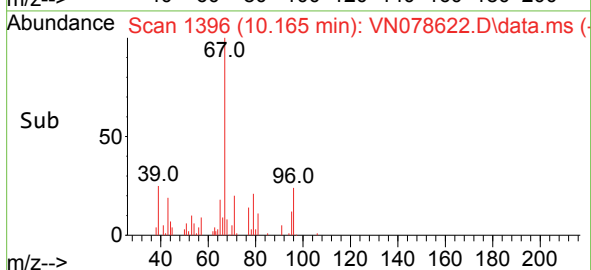
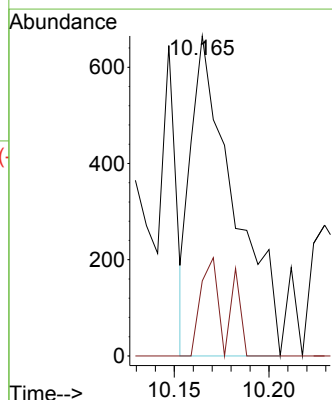
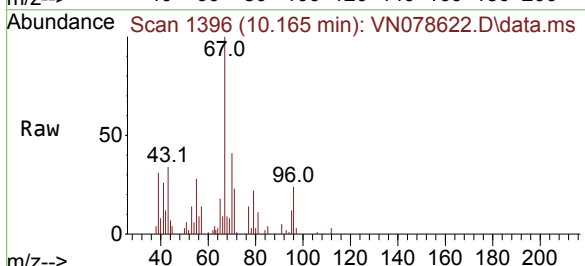
Acq: 21 Jul 2023 18:38

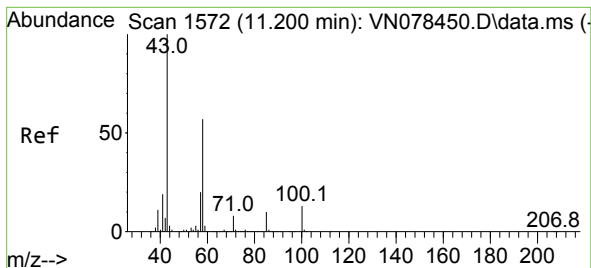
Tgt Ion: 63 Resp: 1050

Ion Ratio Lower Upper

63 100

106 18.2 26.2 39.4#

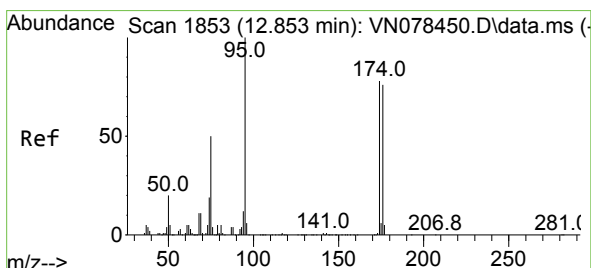
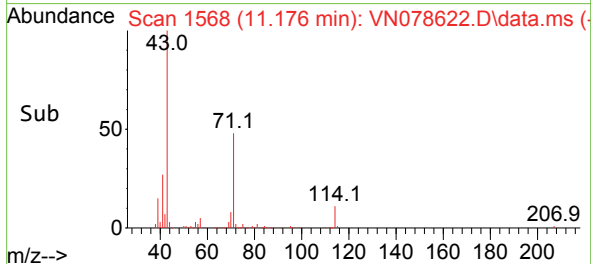
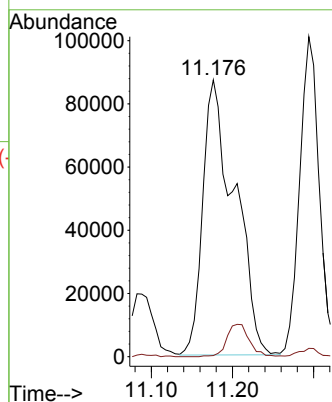
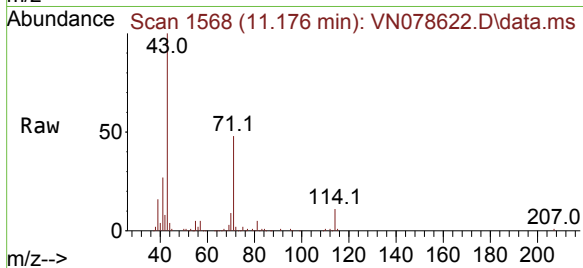




#59
2-Hexanone
Concen: 53.233 ug/l
RT: 11.176 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

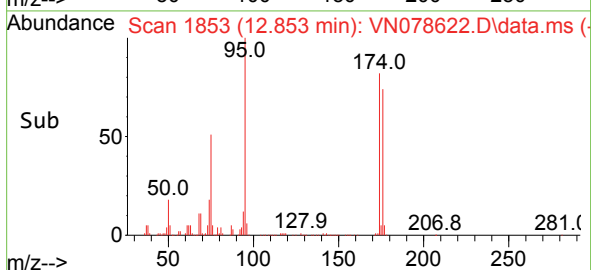
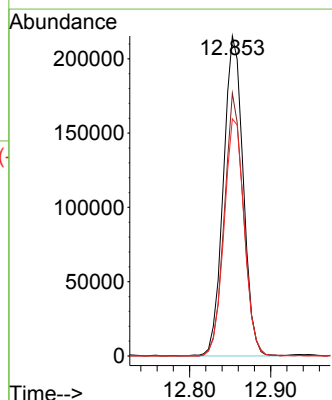
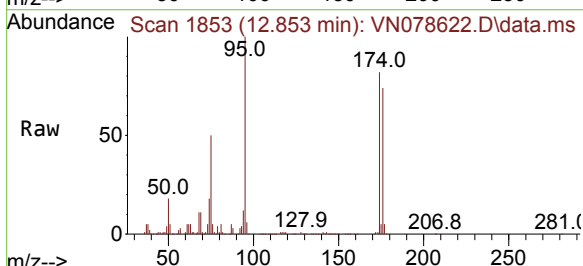
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

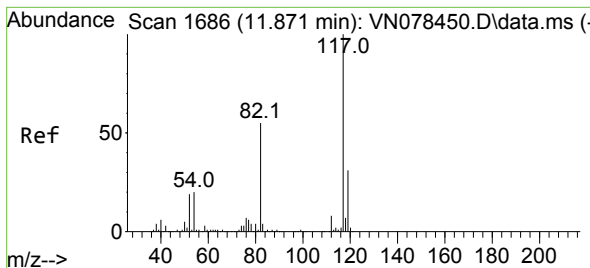
Tgt Ion: 43 Resp: 237676
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#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

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# 1

Delta R.T. -0.001 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-DRUM

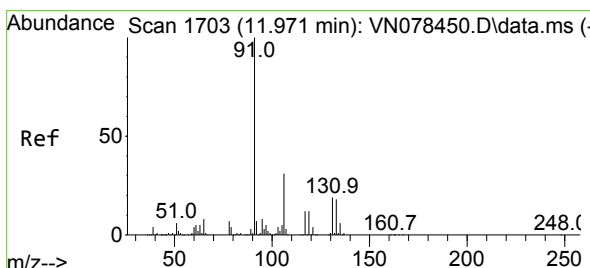
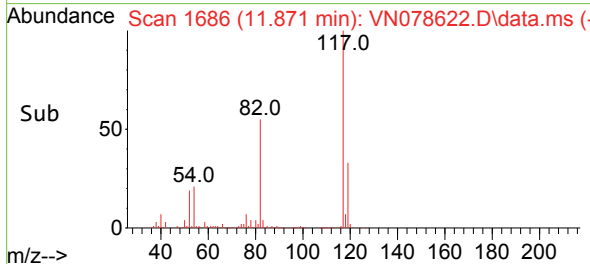
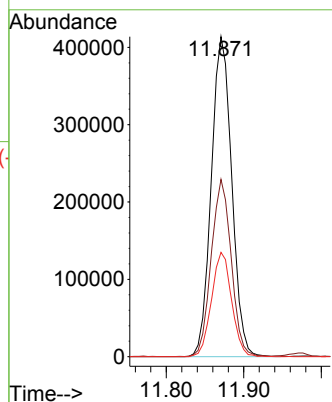
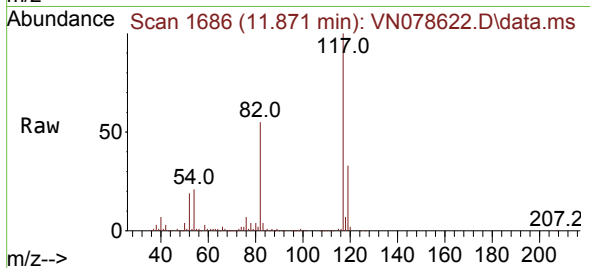
Tgt Ion:117 Resp: 758834

Ion Ratio Lower Upper

117 100

82 55.3 44.0 66.0

119 32.6 25.6 38.4



#67

Ethyl Benzene

Concen: 0.673 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. -0.001 min

Lab File: VN078622.D

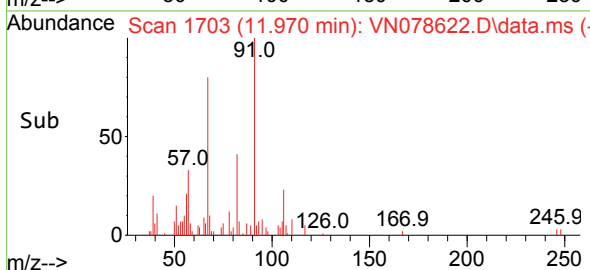
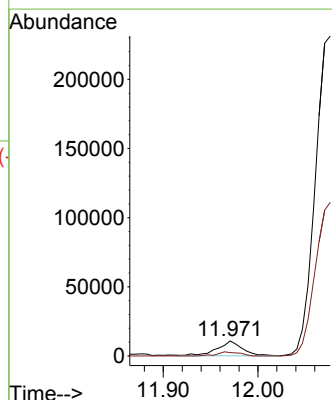
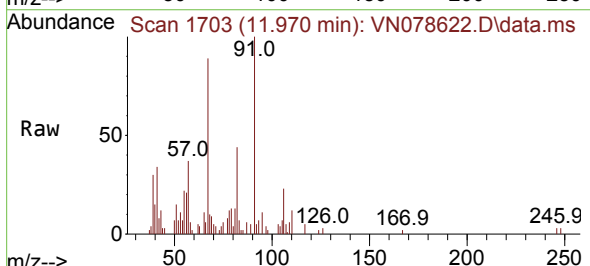
Acq: 21 Jul 2023 18:38

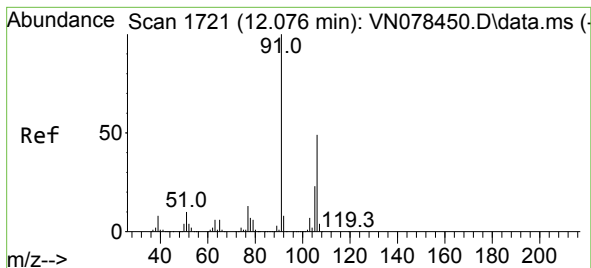
Tgt Ion: 91 Resp: 19289

Ion Ratio Lower Upper

91 100

106 23.1 25.6 38.4#

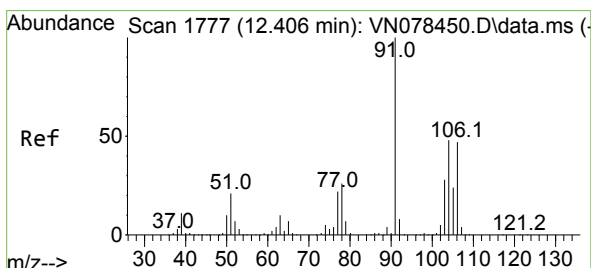
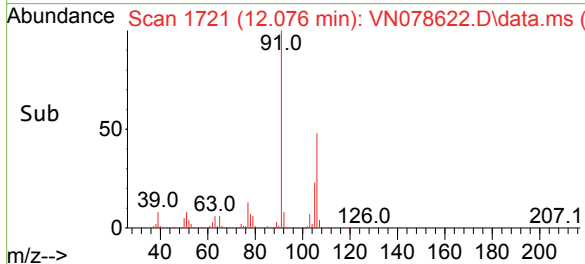
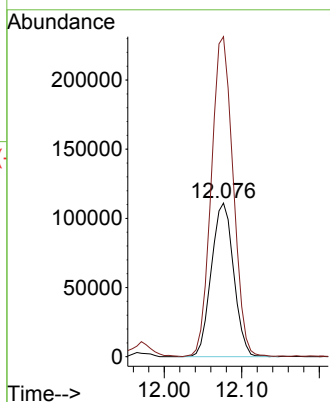
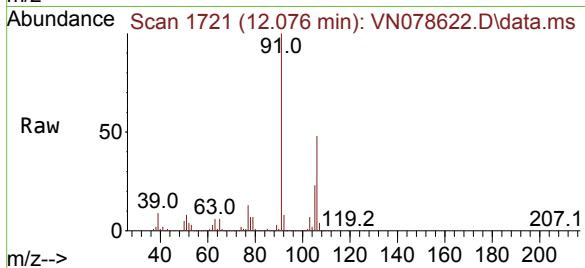




#68
m/p-Xylenes
Concen: 20.955 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

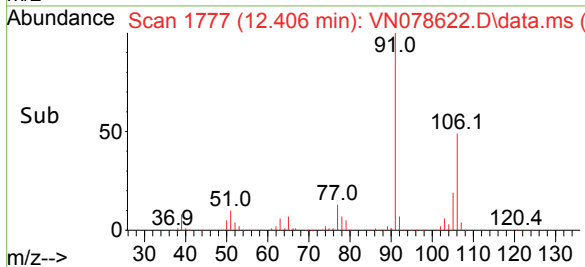
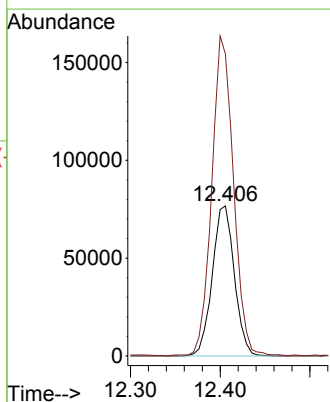
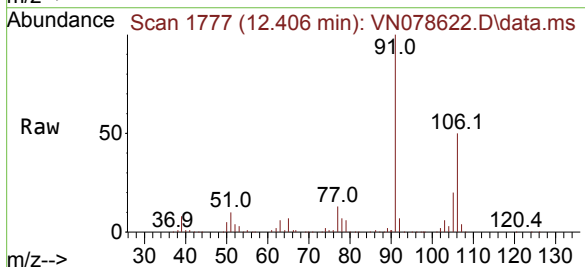
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

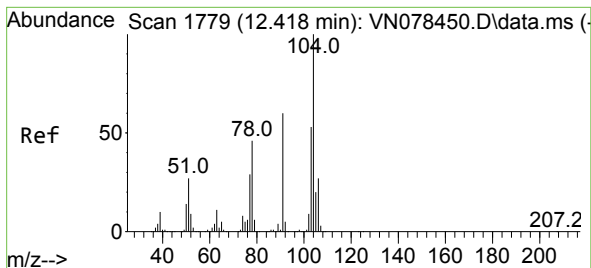
Tgt Ion:106 Resp: 222137
Ion Ratio Lower Upper
106 100
91 203.6 159.6 239.4



#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





#70

Styrene

Concen: 0.486 ug/l

RT: 12.400 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-DRUM

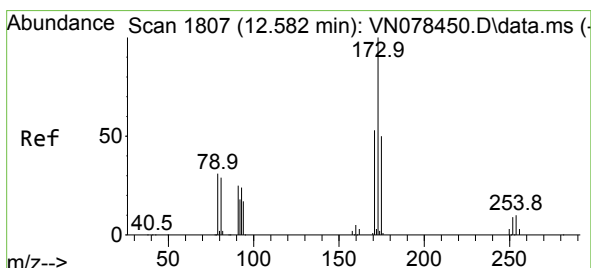
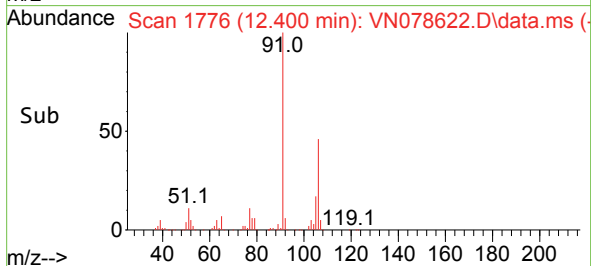
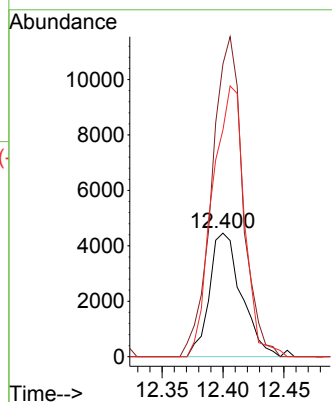
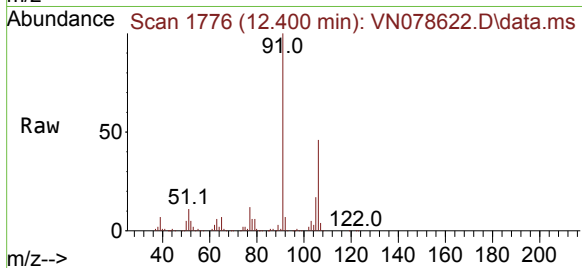
Tgt Ion:104 Resp: 8149

Ion Ratio Lower Upper

104 100

78 250.6 39.5 59.3#

103 219.4 43.2 64.8#



#71

Bromoform

Concen: 0.815 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

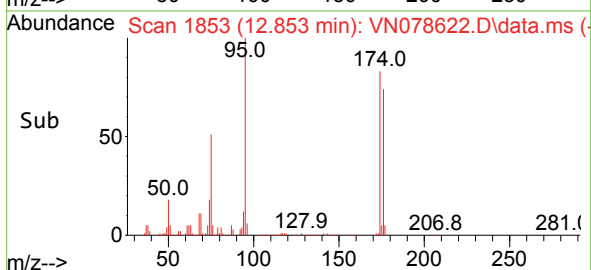
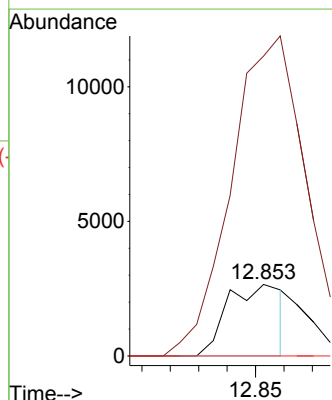
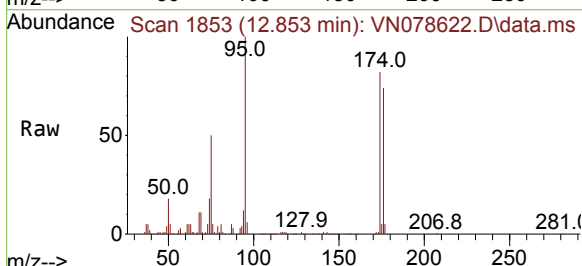
Tgt Ion:173 Resp: 3600

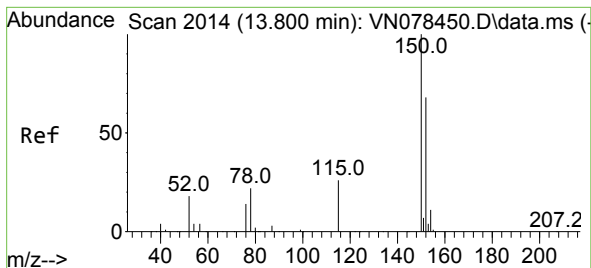
Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0





#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

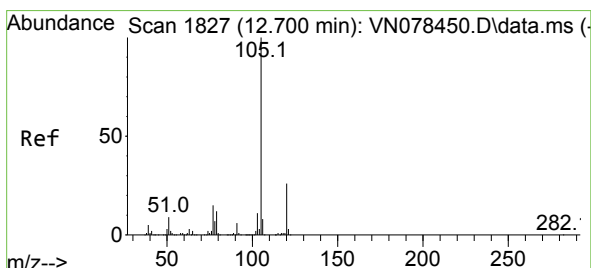
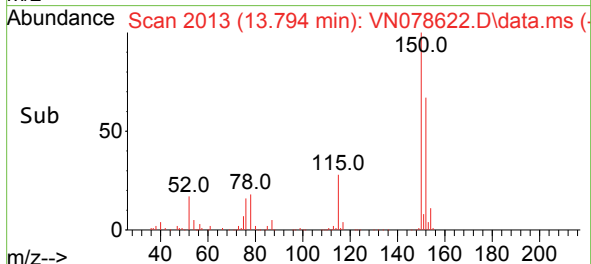
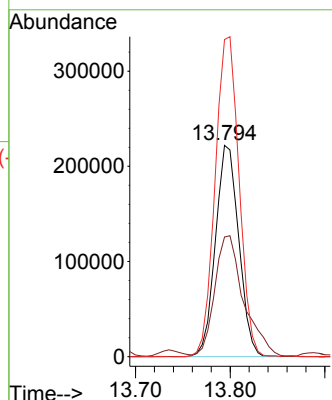
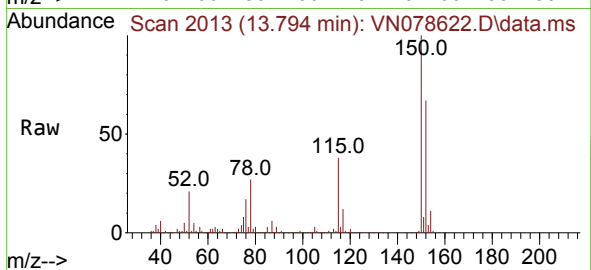
Tgt Ion:152 Resp: 380538

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

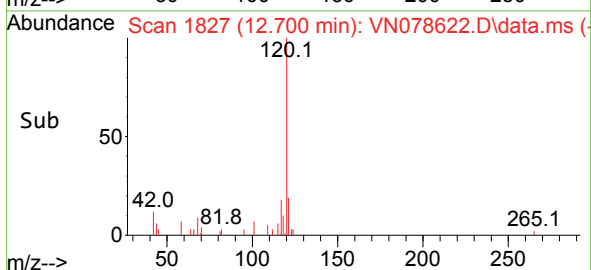
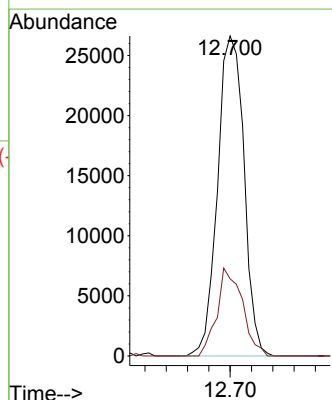
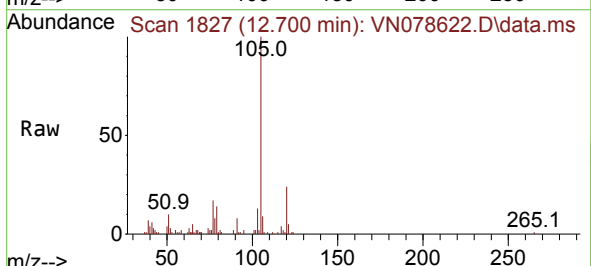
Acq: 21 Jul 2023 18:38

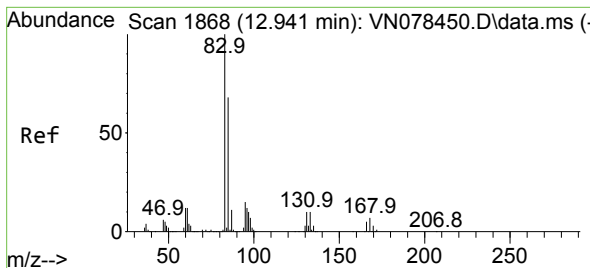
Tgt Ion:105 Resp: 45782

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.1

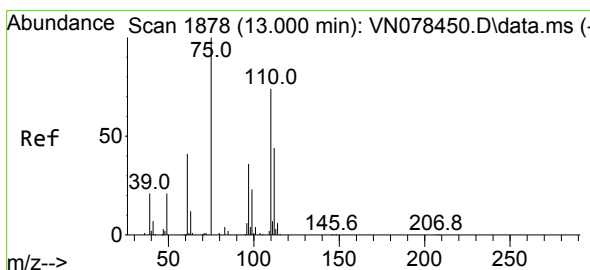
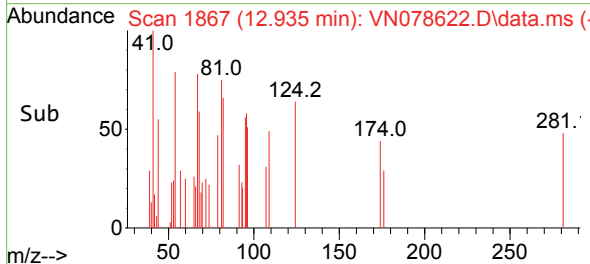
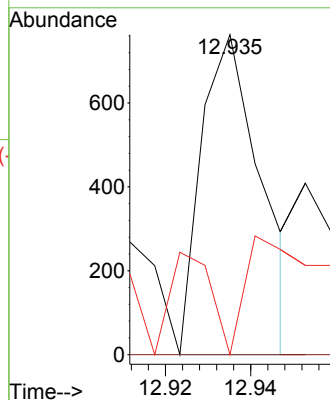
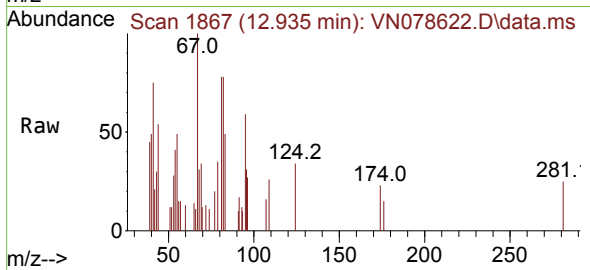




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

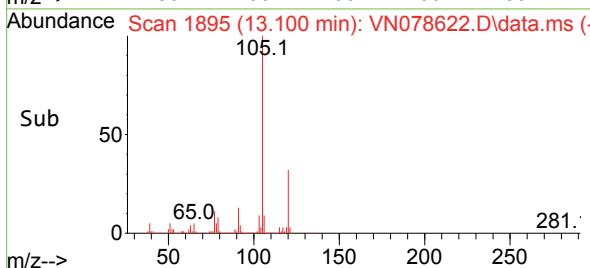
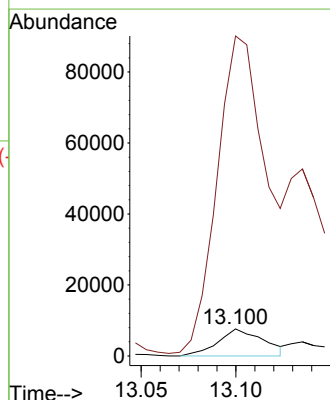
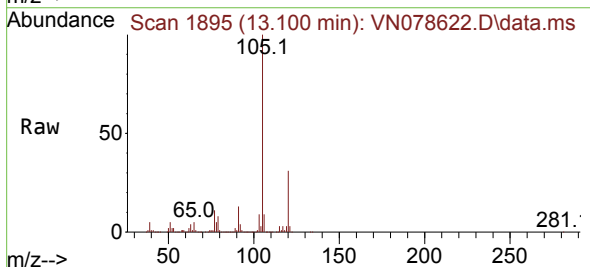
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

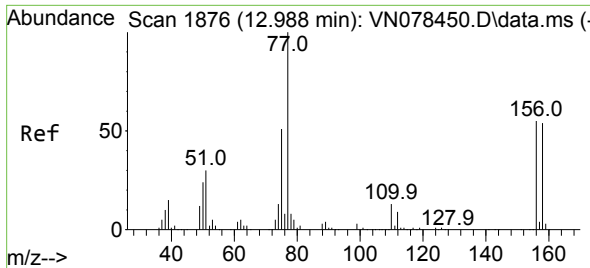
Tgt Ion: 83 Resp: 743
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 54.5 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 1.385 ug/l
RT: 13.100 min Scan# 1895
Delta R.T. 0.100 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 75 Resp: 12739
Ion Ratio Lower Upper
75 100
77 1264.9 84.5 253.5#

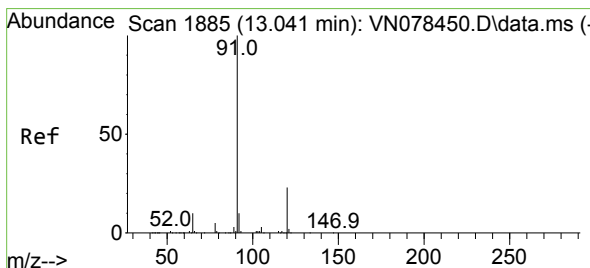
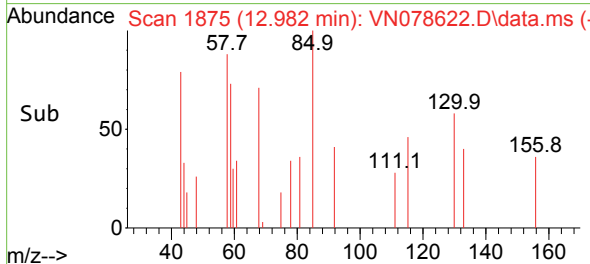
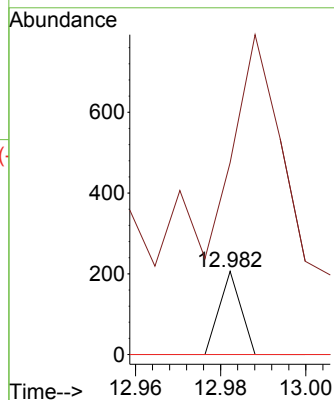
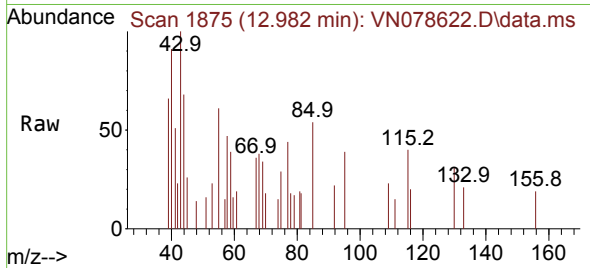




#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

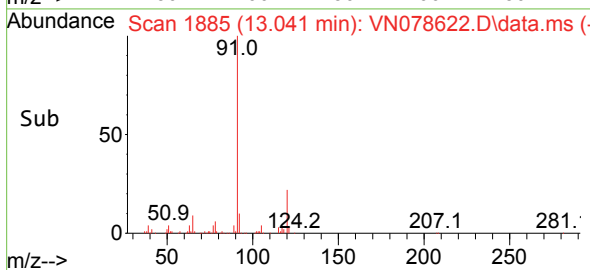
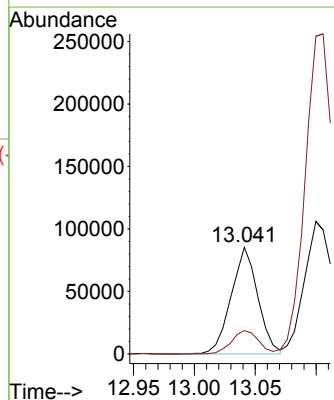
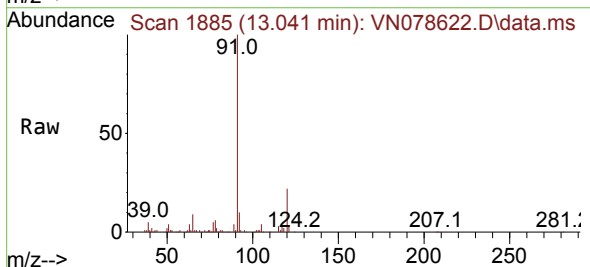
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

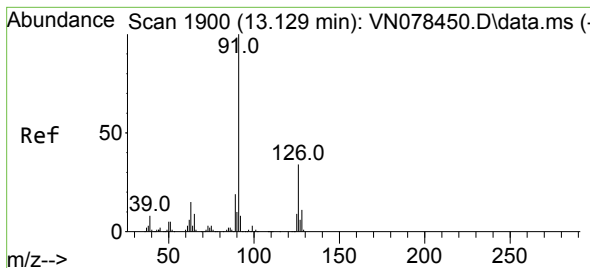
Tgt Ion:156 Resp: 73
Ion Ratio Lower Upper
156 100
77 0.0 107.7 323.3#
158 0.0 48.4 145.3#



#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

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





#79

2-Chlorotoluene

Concen: 7.666 ug/l

RT: 13.100 min Scan# 1900

Delta R.T. -0.029 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

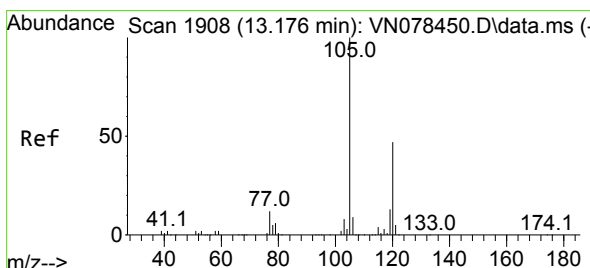
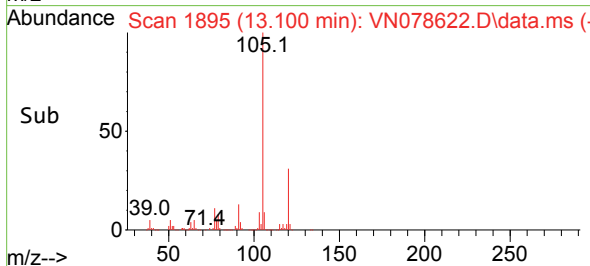
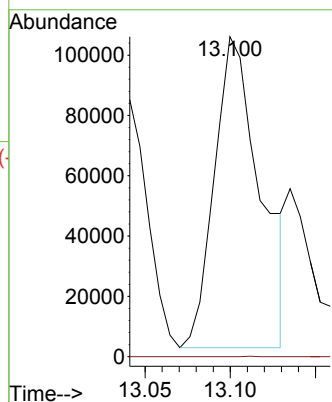
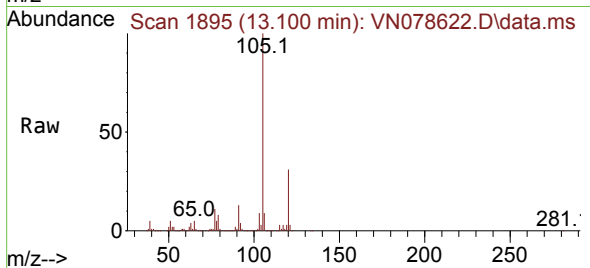
SLUDGE-DRUM

Tgt Ion: 91 Resp: 192007

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#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

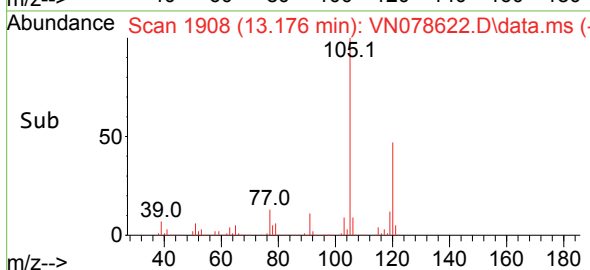
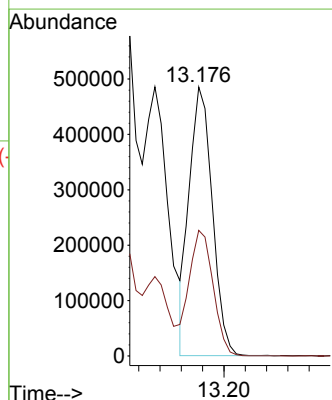
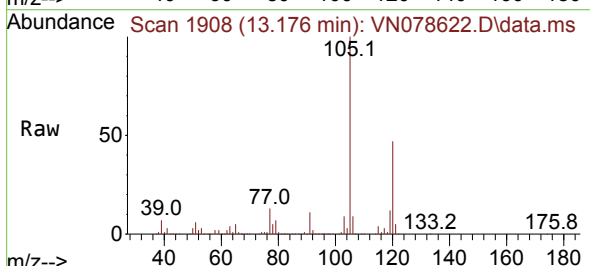
Acq: 21 Jul 2023 18:38

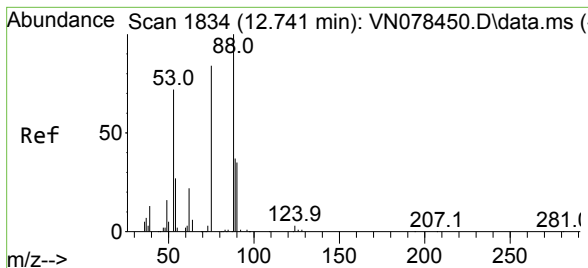
Tgt Ion: 105 Resp: 729440

Ion Ratio Lower Upper

105 100

120 50.7 24.1 72.3

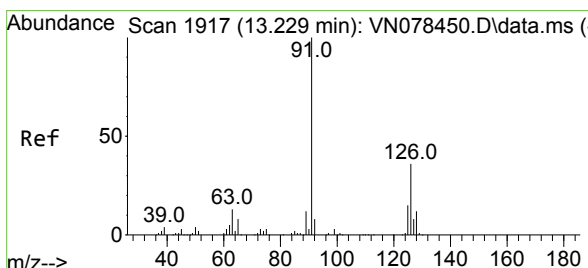
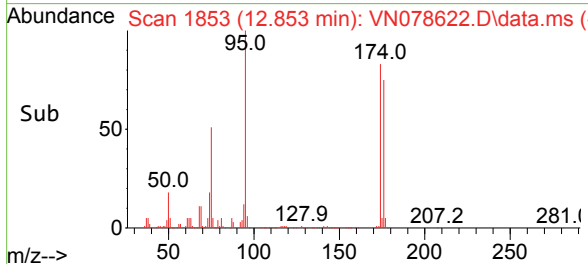
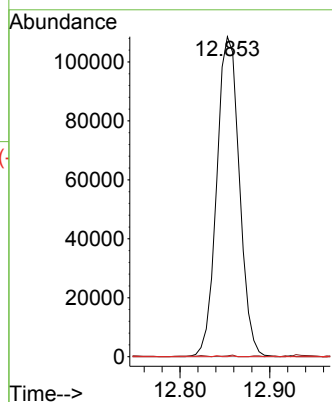
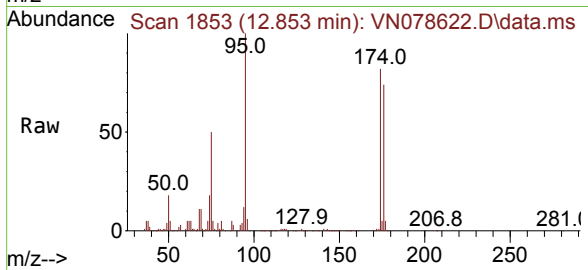




#81
trans-1,4-Dichloro-2-butene
Concen: 54.351 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

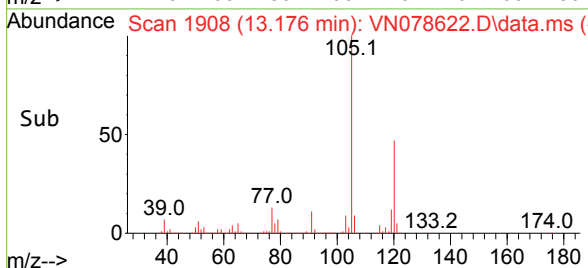
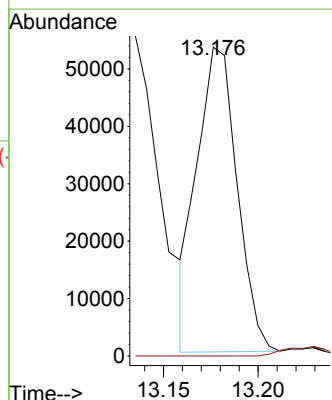
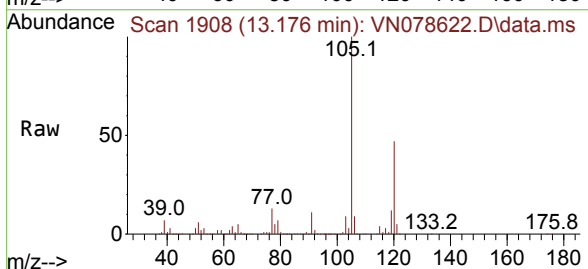
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

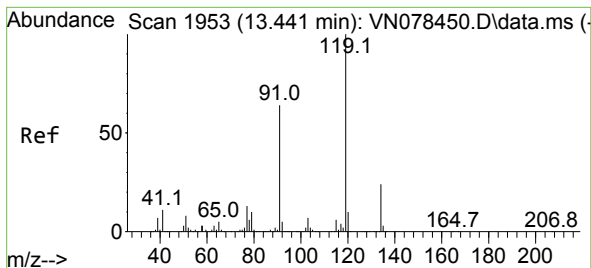
Tgt Ion: 75 Resp: 190243
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.1 38.8 58.2#



#82
4-Chlorotoluene
Concen: 3.352 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.053 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 91 Resp: 78334
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.0#





#83

tert-Butylbenzene

Concen: 11.781 ug/l

RT: 13.488 min Scan# 1953

Delta R.T. 0.047 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-DRUM

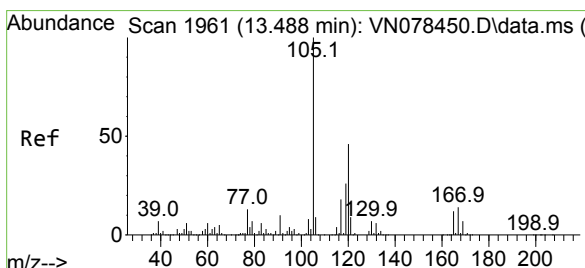
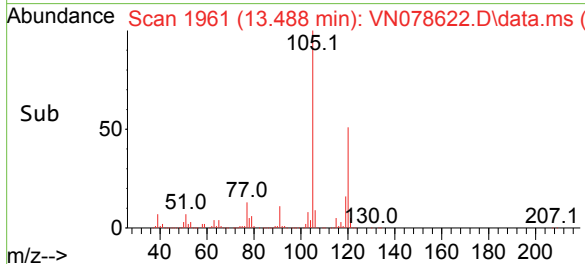
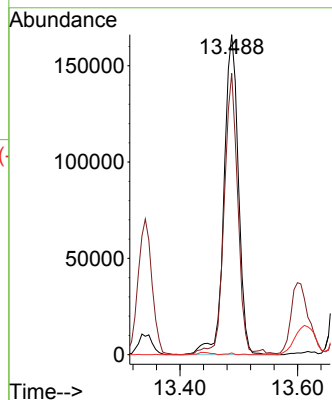
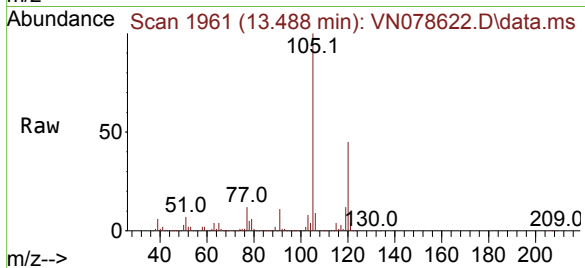
Tgt Ion:119 Resp: 282583

Ion Ratio Lower Upper

119 100

91 83.1 33.9 101.7

134 0.0 13.2 39.6#



#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

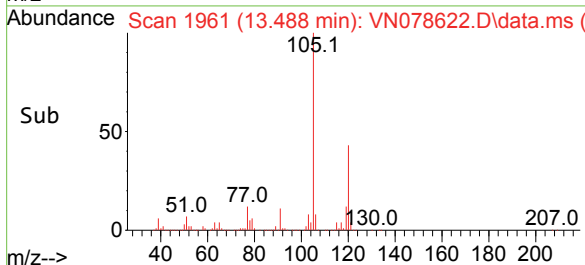
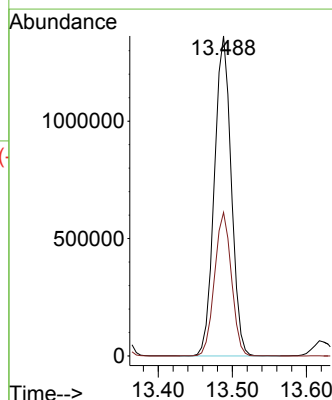
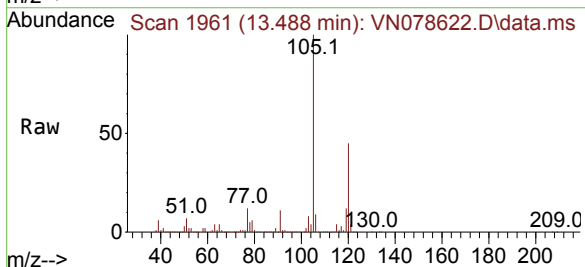
Acq: 21 Jul 2023 18:38

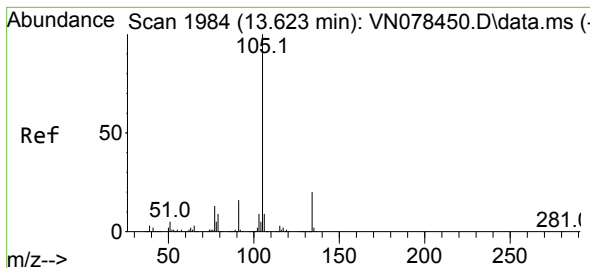
Tgt Ion:105 Resp: 2151785

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# 1984

Delta R.T. -0.006 min

Lab File: VN078622.D

Acq: 21 Jul 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

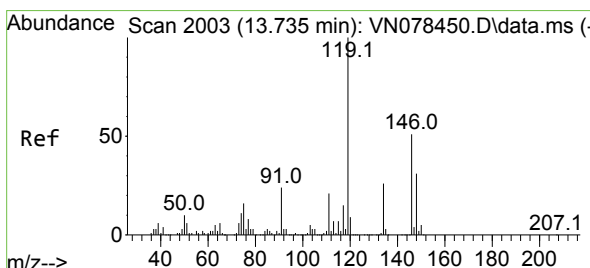
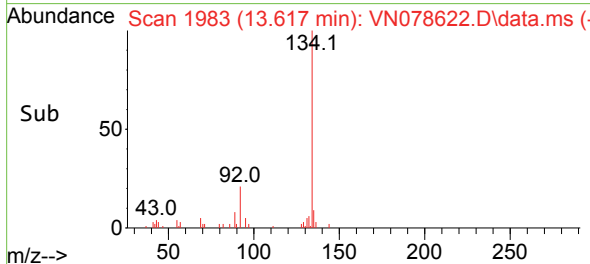
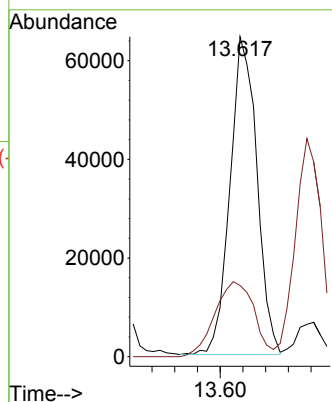
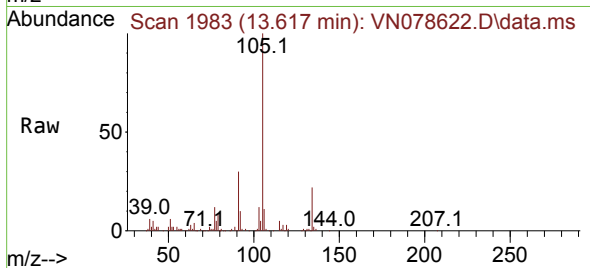
SLUDGE-DRUM

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

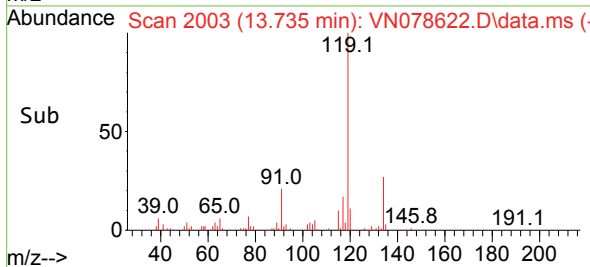
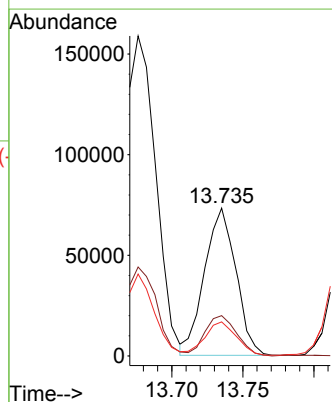
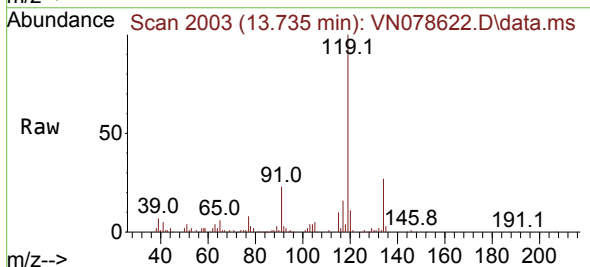
Tgt Ion:119 Resp: 112642

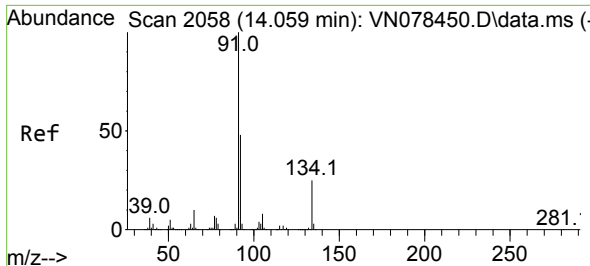
Ion Ratio Lower Upper

119 100

134 27.5 12.6 37.8

91 22.7 12.4 37.2

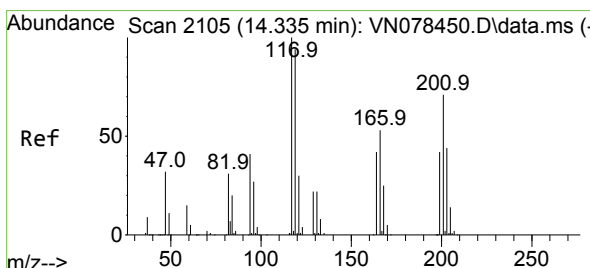
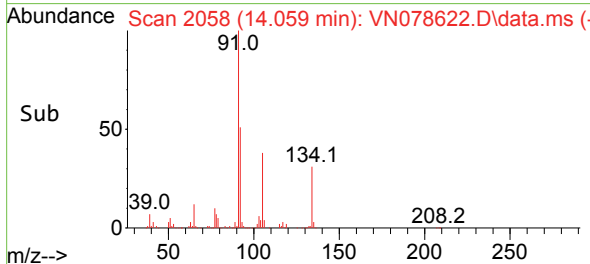
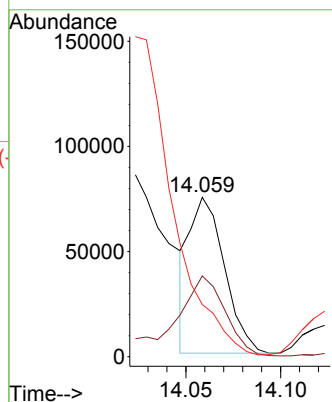
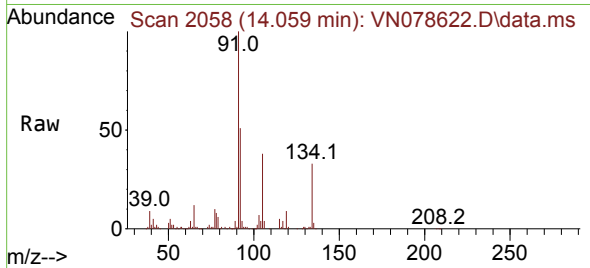




#89
n-Butylbenzene
Concen: 5.439 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

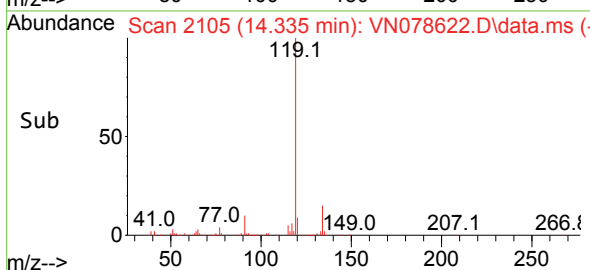
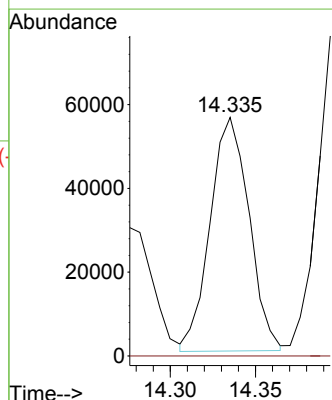
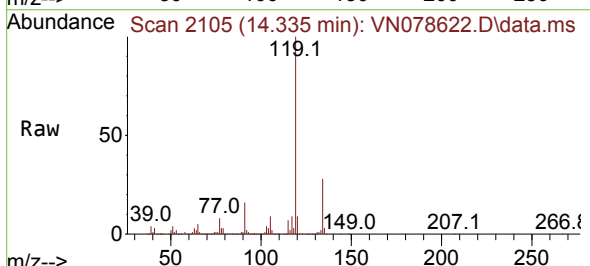
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

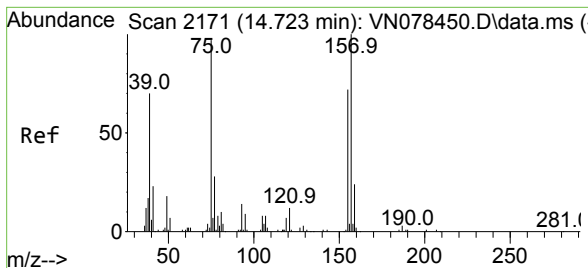
Tgt Ion: 91 Resp: 94737
Ion Ratio Lower Upper
91 100
92 72.9 26.4 79.0
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 19.294 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Tgt Ion: 117 Resp: 88575
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

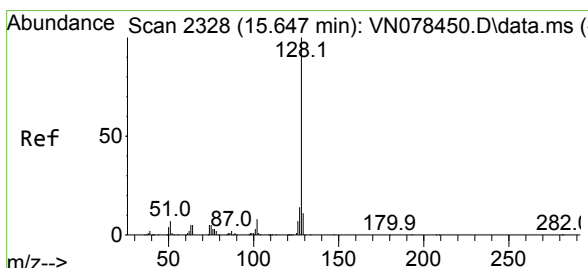
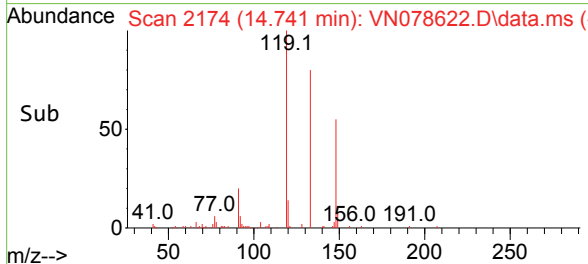
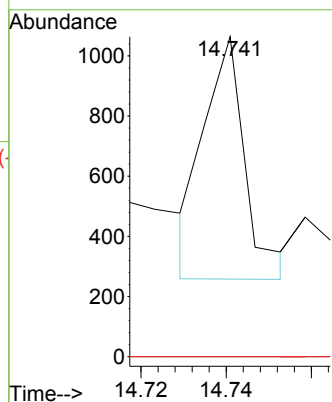
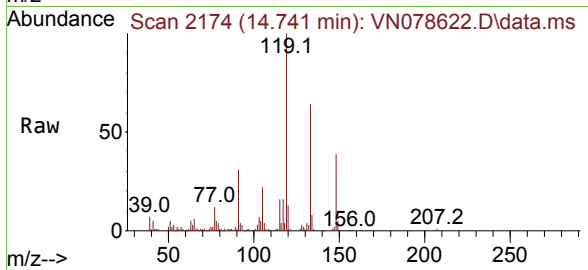




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.741 min Scan# 2174
Delta R.T. 0.018 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-DRUM

Tgt Ion: 75 Resp: 537
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#



#95
Naphthalene
Concen: 11.239 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078622.D
Acq: 21 Jul 2023 18:38

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

