

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060724\
 Data File : VN082503.D
 Acq On : 07 Jun 2024 19:28
 Operator : JC\MD
 Sample : P2763-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-SLUDGE

Quant Time: Jun 08 01:02:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	156868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	296321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	298179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121987	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	130643	52.743	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.480%	
35) Dibromofluoromethane	8.171	113	93340	51.206	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.420%	
50) Toluene-d8	10.571	98	364388	52.140	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.280%	
62) 4-Bromofluorobenzene	12.853	95	117942	47.283	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 94.560%	

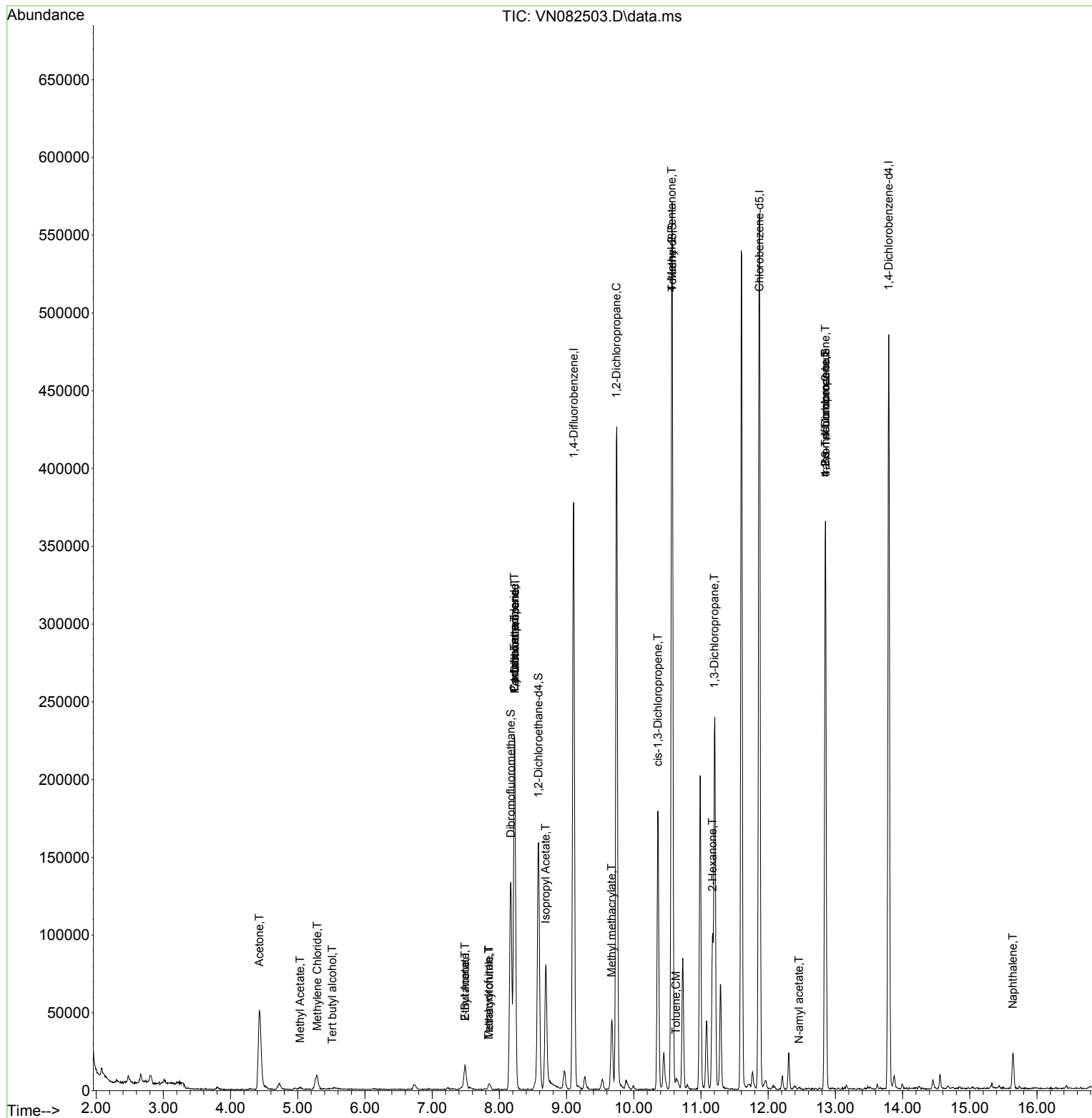
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.512	59	493	1.240	ug/l #	71
16) Acetone	4.430	43	101051	99.450	ug/l	91
18) Methyl Acetate	5.036	43	3051	1.206	ug/l #	52
20) Methylene Chloride	5.289	84	6792	3.313	ug/l #	81
25) 2-Butanone	7.488	43	26526	17.218	ug/l #	83
29) Tetrahydrofuran	7.841	42	2896	2.928	ug/l #	82
31) Cyclohexane	8.224	56	4468	1.129	ug/l #	51
36) 1,1-Dichloropropene	8.229	75	14686	4.804	ug/l #	49
37) Ethyl Acetate	7.488	43	26526	7.753	ug/l #	68
38) Carbon Tetrachloride	8.224	117	16822	5.428	ug/l #	15
41) Methacrylonitrile	7.847	41	1963	0.976	ug/l #	41
43) Isopropyl Acetate	8.688	43	97384	16.064	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	506	0.215	ug/l #	45
48) Methyl methacrylate	9.671	41	3545	1.227	ug/l #	36
51) 4-Methyl-2-Pentanone	10.565	43	7697	2.235	ug/l	93
52) Toluene	10.629	92	1838	0.336	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	26842	7.521	ug/l #	71
57) 1,3-Dichloropropane	11.200	76	2308	0.621	ug/l #	42
59) 2-Hexanone	11.170	43	85045	33.720	ug/l #	23
74) N-amyl acetate	12.459	43	1542	0.289	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	68368	26.628	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68368	62.282	ug/l #	13
95) Naphthalene	15.641	128	20798	2.989	ug/l	98

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

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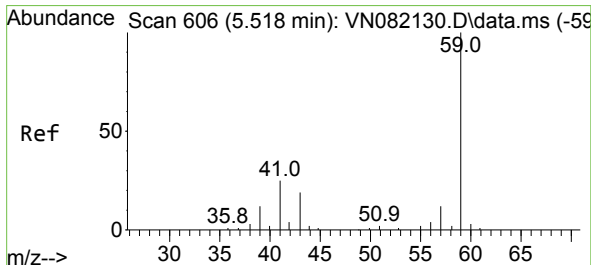
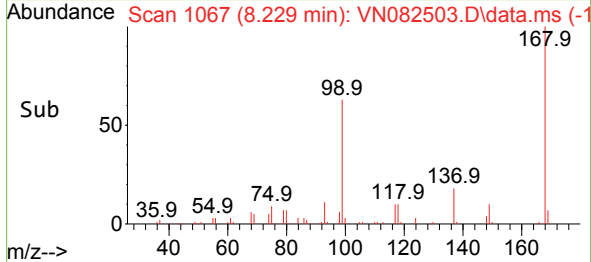
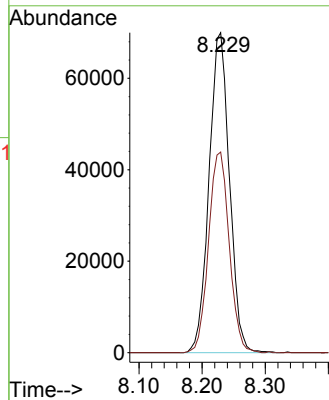
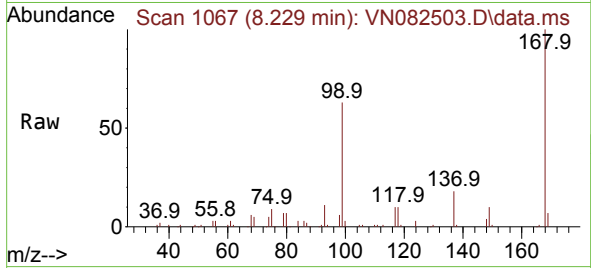




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

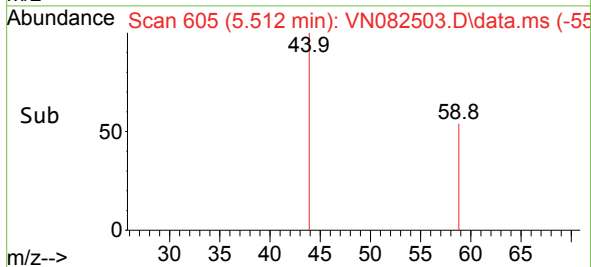
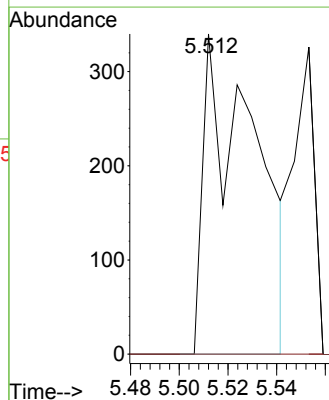
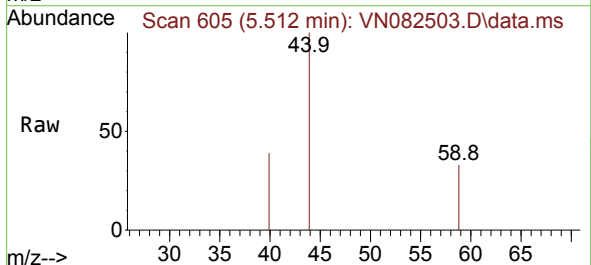
Instrument :
MSVOA_N
ClientSampleId :
MH-SLUDGE

Tgt Ion:168 Resp: 156868
Ion Ratio Lower Upper
168 100
99 62.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.240 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

Tgt Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

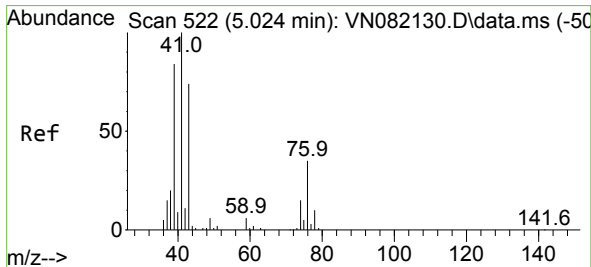
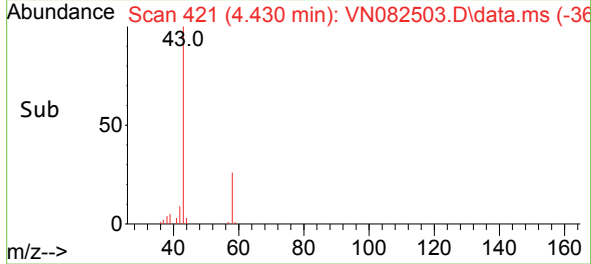
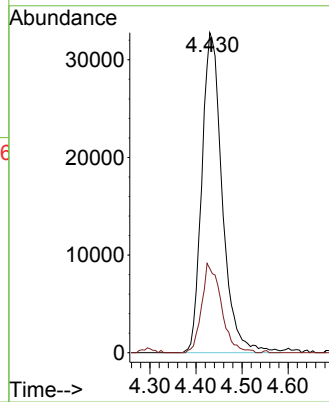
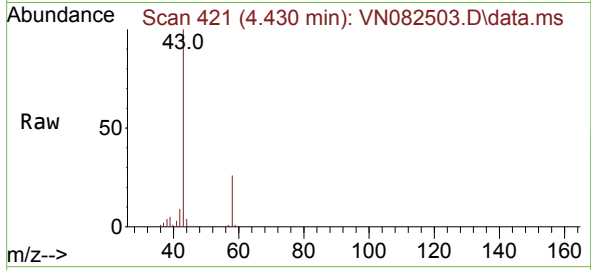




#16
Acetone
Concen: 99.450 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

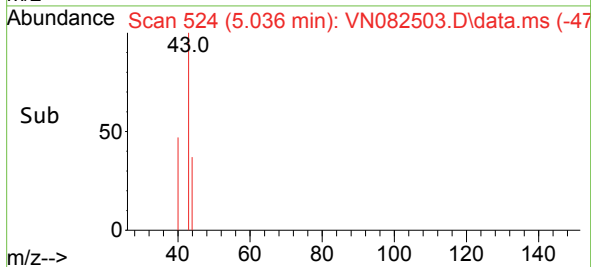
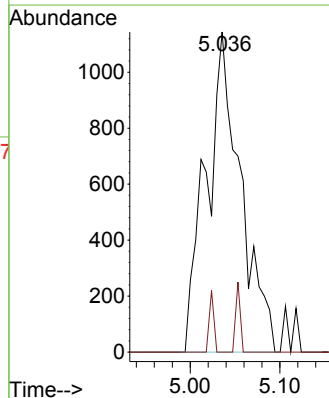
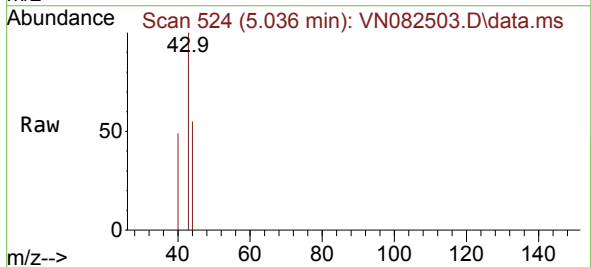
Instrument :
MSVOA_N
ClientSampleId :
MH-SLUDGE

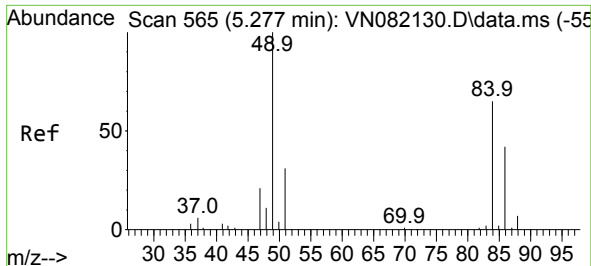
Tgt Ion: 43 Resp: 101051
Ion Ratio Lower Upper
43 100
58 26.3 25.2 37.8



#18
Methyl Acetate
Concen: 1.206 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

Tgt Ion: 43 Resp: 3051
Ion Ratio Lower Upper
43 100
74 2.6 22.2 33.2#

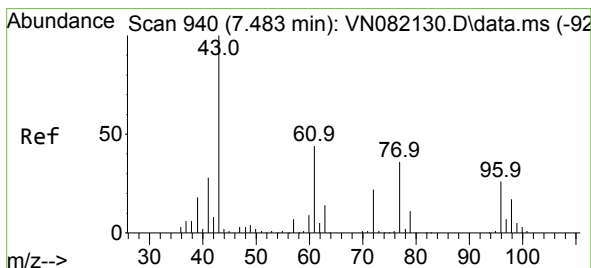
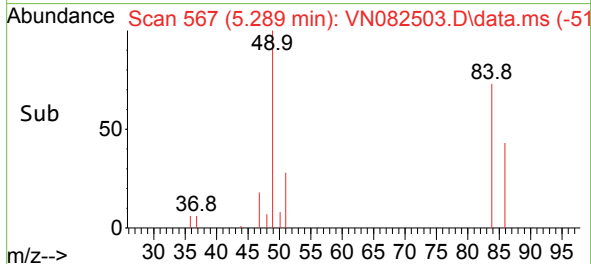
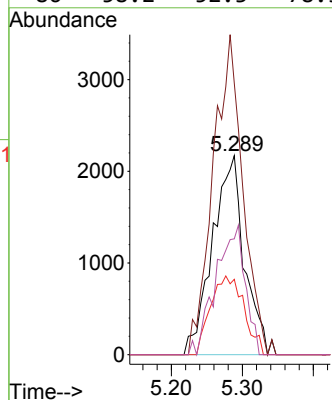
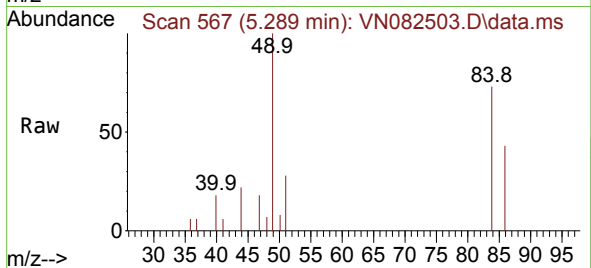




#20
Methylene Chloride
Concen: 3.313 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

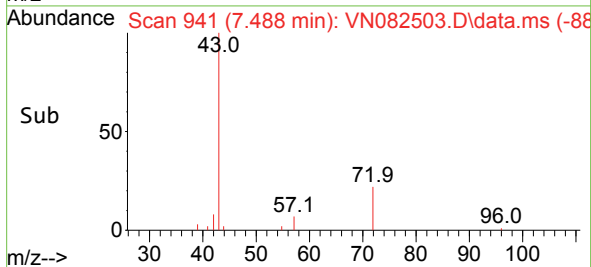
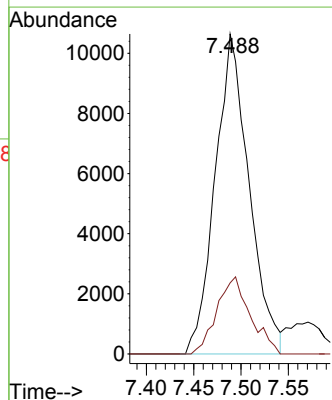
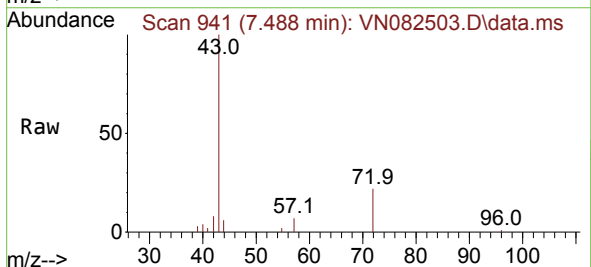
Instrument :
MSVOA_N
ClientSampleId :
MH-SLUDGE

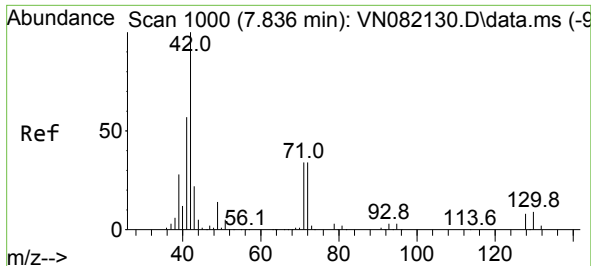
Tgt Ion:	84	Resp:	6792
Ion	Ratio	Lower	Upper
84	100		
49	136.5	84.9	127.3#
51	37.8	27.0	40.6
86	58.2	52.3	78.5



#25
2-Butanone
Concen: 17.218 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

Tgt Ion:	43	Resp:	26526
Ion	Ratio	Lower	Upper
43	100		
72	22.2	25.3	37.9#





#29

Tetrahydrofuran

Concen: 2.928 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.005 min

Lab File: VN082503.D

Acq: 07 Jun 2024 19:28

Instrument :

MSVOA_N

ClientSampleId :

MH-SLUDGE

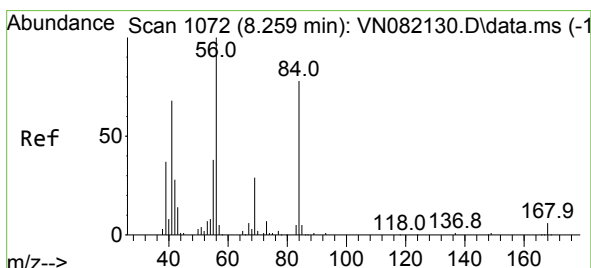
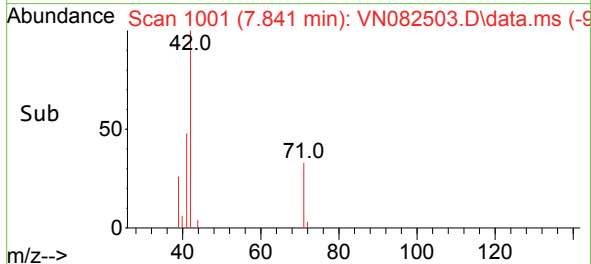
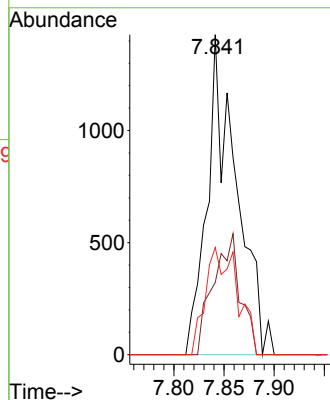
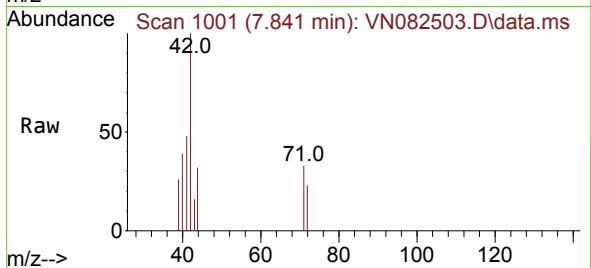
Tgt Ion: 42 Resp: 2896

Ion Ratio Lower Upper

42 100

72 34.9 39.3 58.9#

71 36.7 37.4 56.0#



#31

Cyclohexane

Concen: 1.129 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082503.D

Acq: 07 Jun 2024 19:28

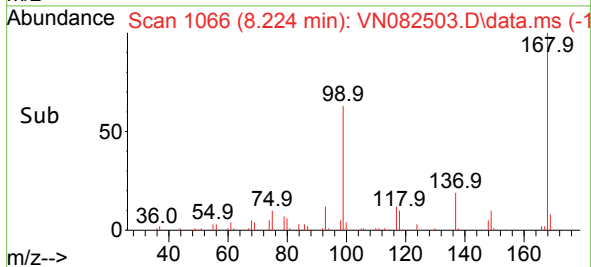
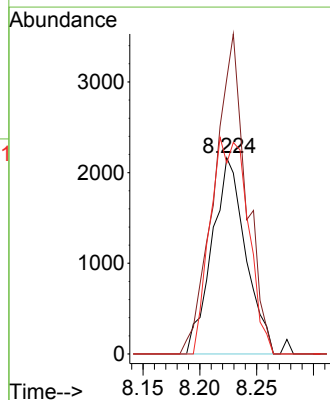
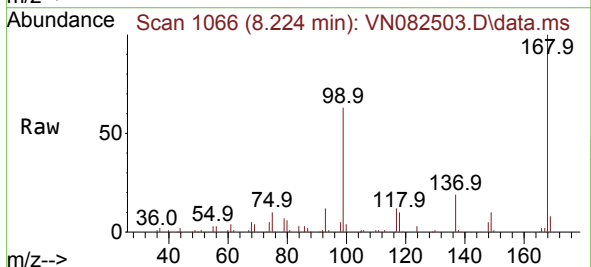
Tgt Ion: 56 Resp: 4468

Ion Ratio Lower Upper

56 100

69 140.3 24.4 36.6#

84 97.4 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 52.743 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082503.D

Acq: 07 Jun 2024 19:28

Instrument :

MSVOA_N

ClientSampleId :

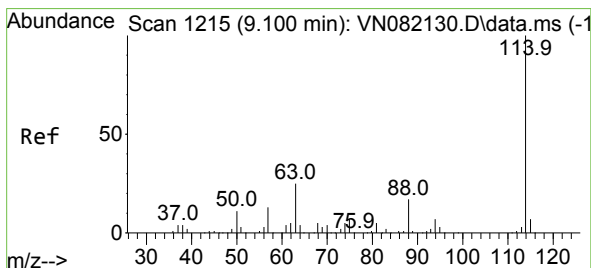
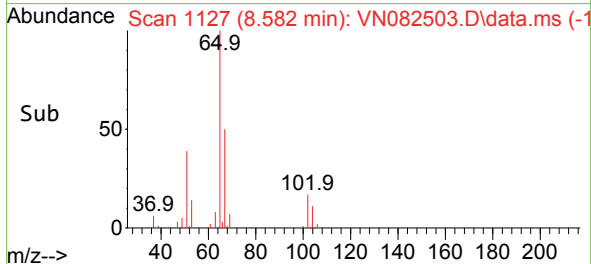
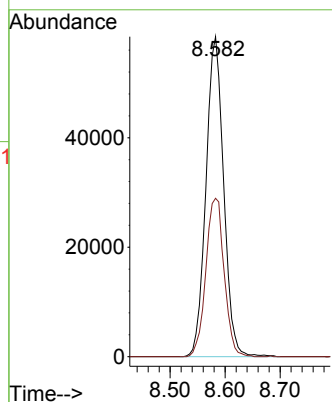
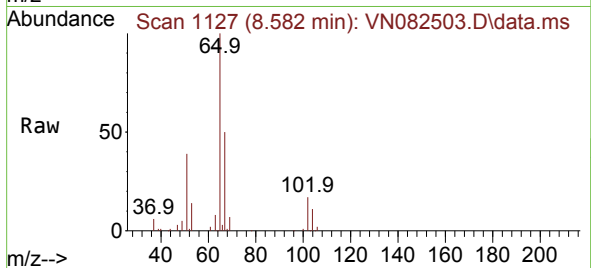
MH-SLUDGE

Tgt Ion: 65 Resp: 130643

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082503.D

Acq: 07 Jun 2024 19:28

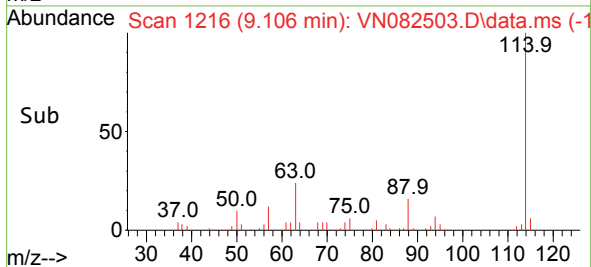
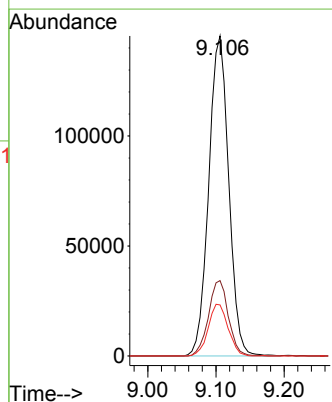
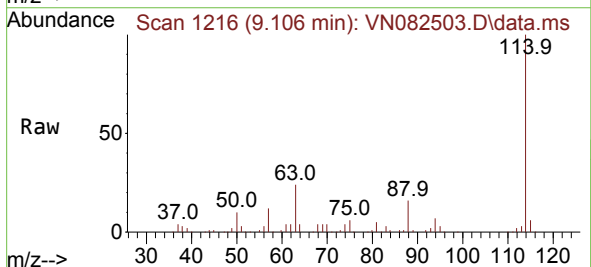
Tgt Ion: 114 Resp: 296321

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.0

88 16.0 0.0 31.4

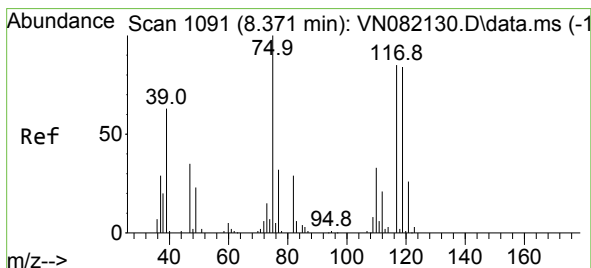
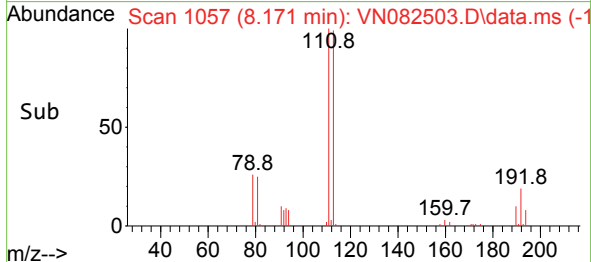
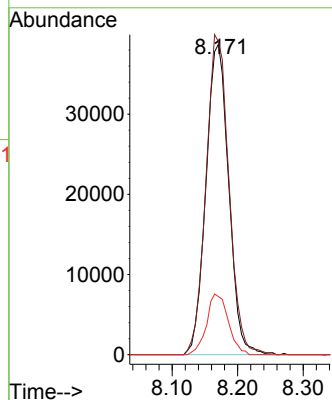
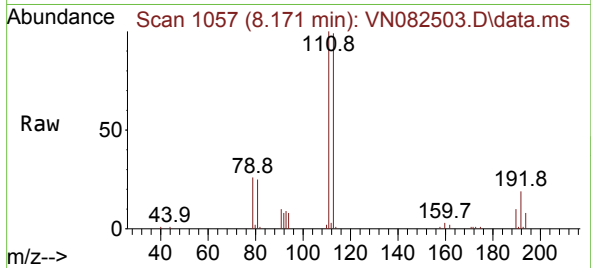




#35
Dibromofluoromethane
Concen: 51.206 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

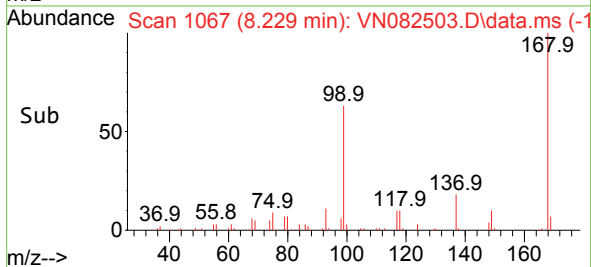
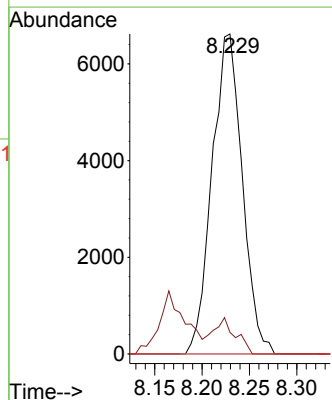
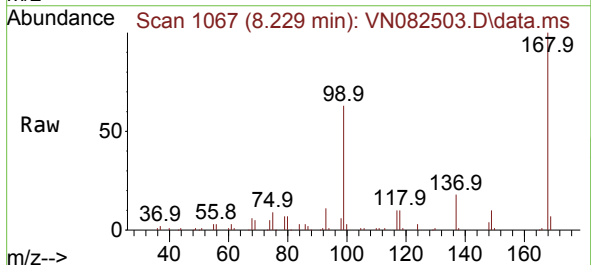
Instrument :
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MH-SLUDGE

Tgt Ion:113 Resp: 93340
Ion Ratio Lower Upper
113 100
111 103.9 83.4 125.2
192 18.6 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.804 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

Tgt Ion: 75 Resp: 14686
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 7.753 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN082503.D

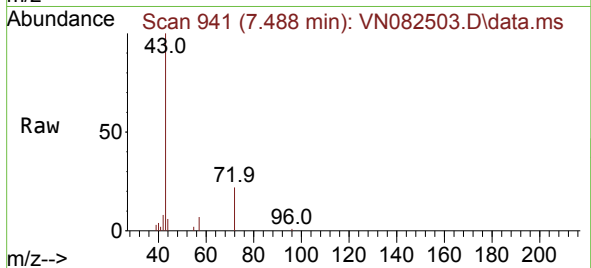
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Instrument :

MSVOA_N

ClientSampleId :

MH-SLUDGE



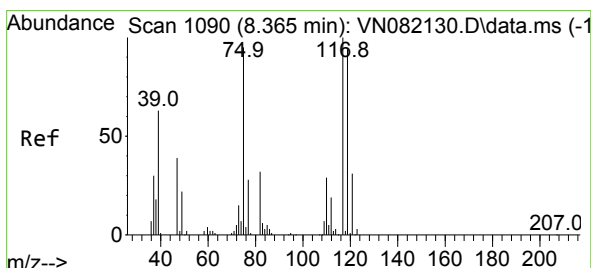
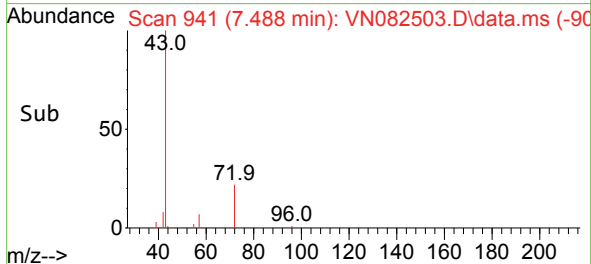
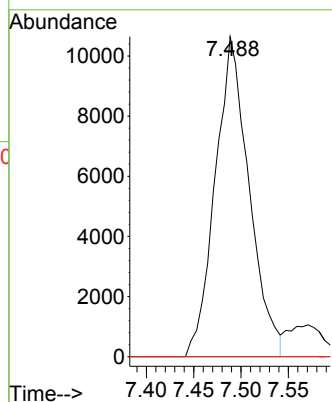
Tgt Ion: 43 Resp: 26526

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.428 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082503.D

Acq: 07 Jun 2024 19:28

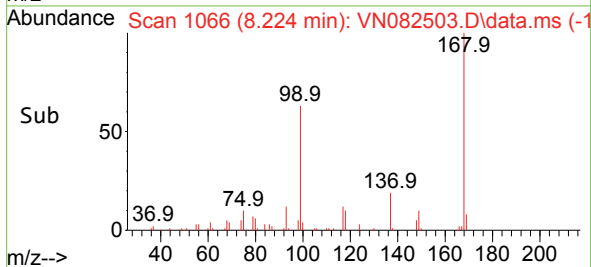
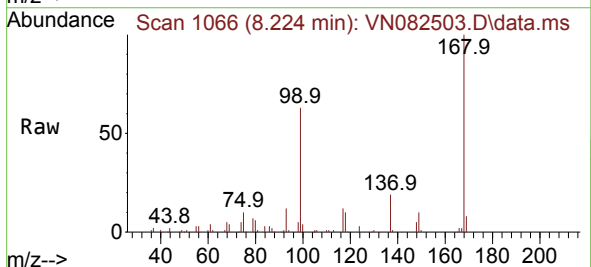
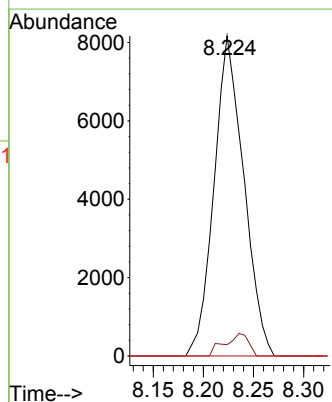
Tgt Ion: 117 Resp: 16822

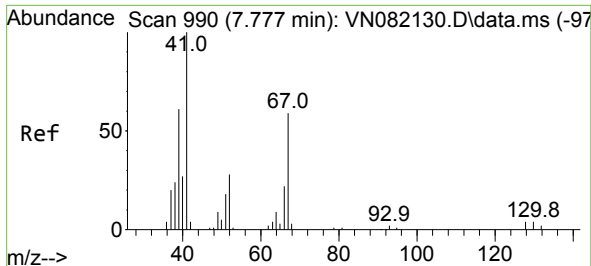
Ion Ratio Lower Upper

117 100

119 3.5 76.5 114.7#

121 0.0 23.9 35.9#

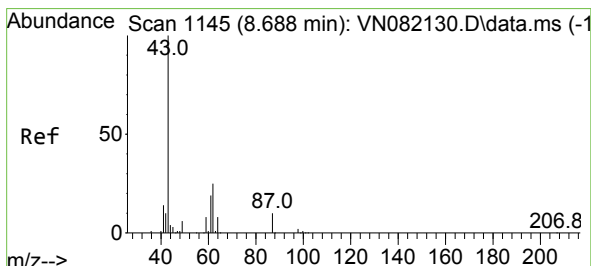
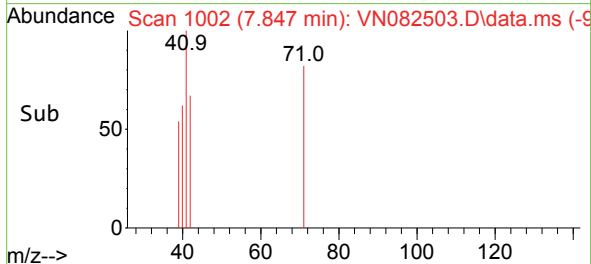
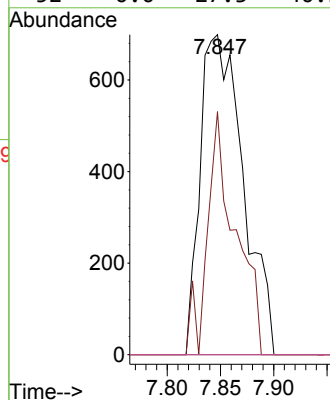
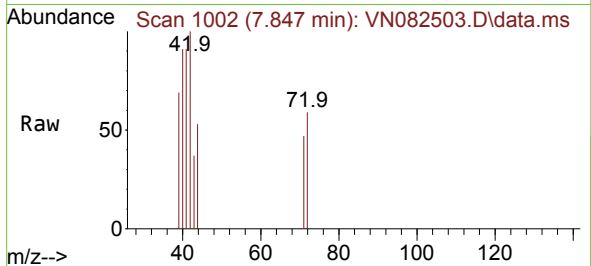




#41
Methacrylonitrile
Concen: 0.976 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.070 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

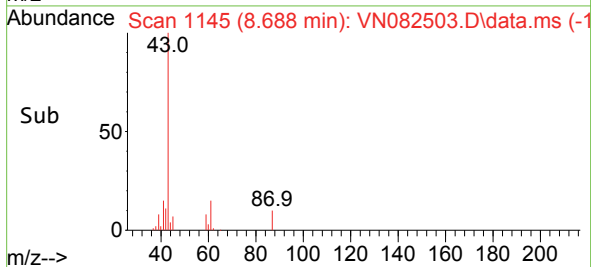
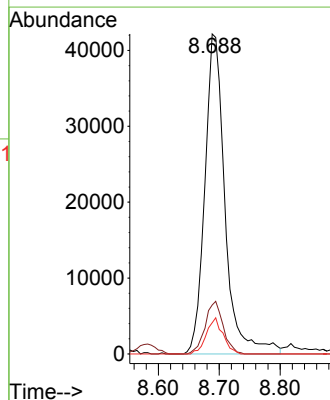
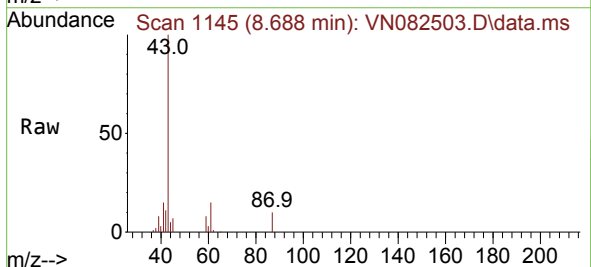
Instrument :
MSVOA_N
ClientSampleId :
MH-SLUDGE

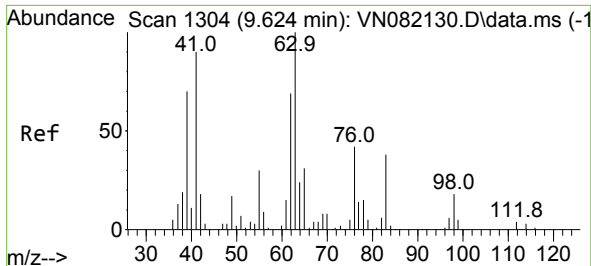
Tgt Ion:	41	Resp:	1963
Ion	Ratio	Lower	Upper
41	100		
39	49.7	46.6	69.8
67	0.0	67.3	100.9#
52	0.0	27.3	40.9#



#43
Isopropyl Acetate
Concen: 16.064 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

Tgt Ion:	43	Resp:	97384
Ion	Ratio	Lower	Upper
43	100		
61	14.7	22.8	34.2#
87	9.2	12.0	18.0#





#45

1,2-Dichloropropane

Concen: 0.215 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN082503.D

Acq: 07 Jun 2024 19:28

Instrument :

MSVOA_N

ClientSampleId :

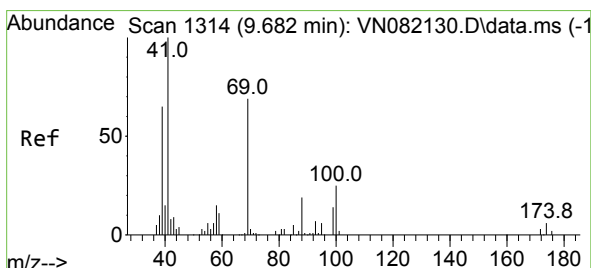
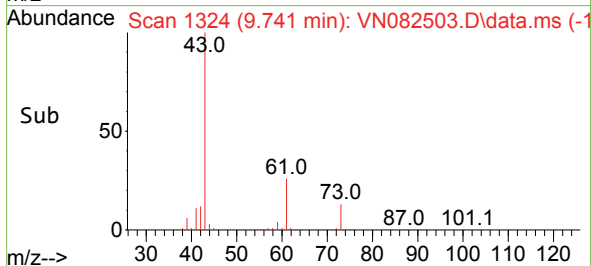
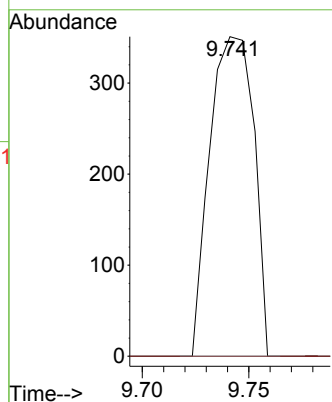
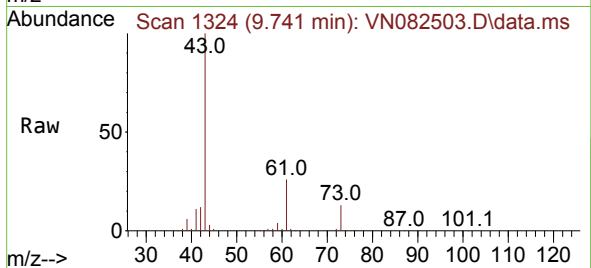
MH-SLUDGE

Tgt Ion: 63 Resp: 506

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.227 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082503.D

Acq: 07 Jun 2024 19:28

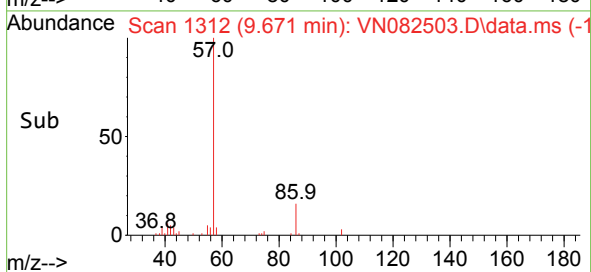
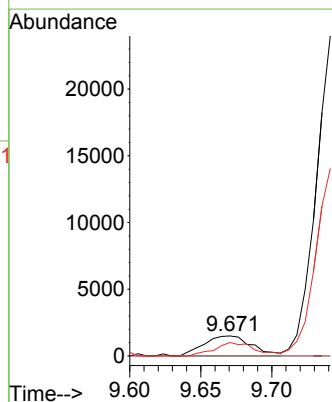
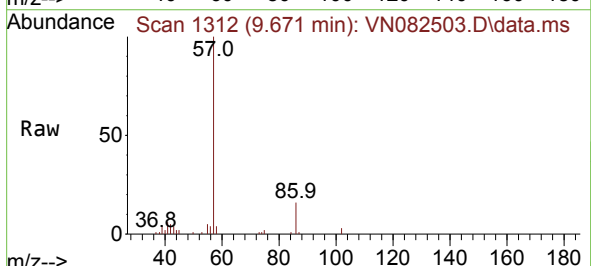
Tgt Ion: 41 Resp: 3545

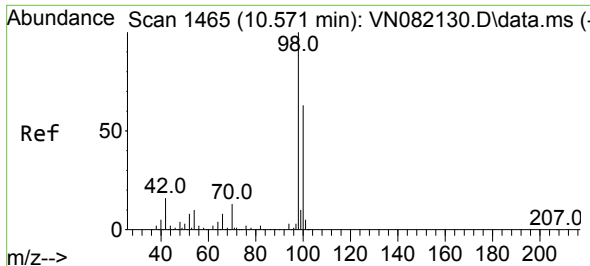
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 56.2 50.9 76.3

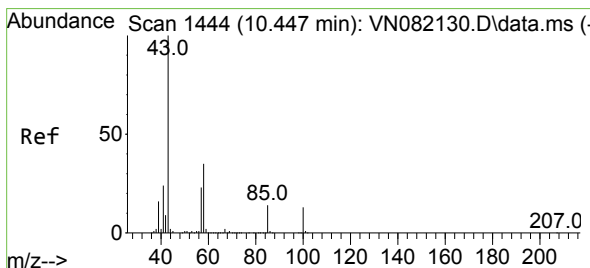
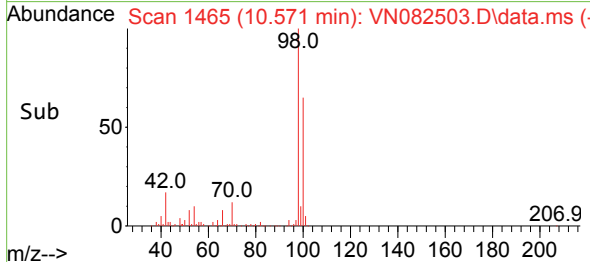
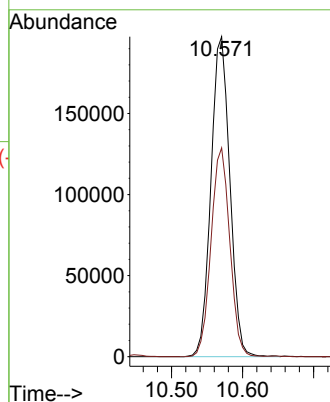
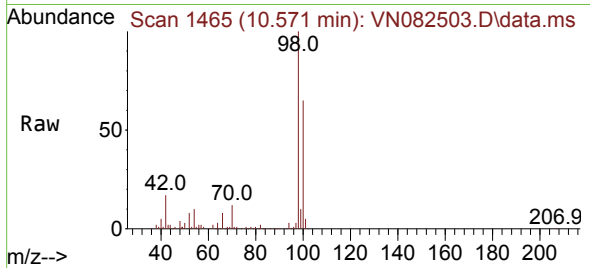




#50
Toluene-d8
Concen: 52.140 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

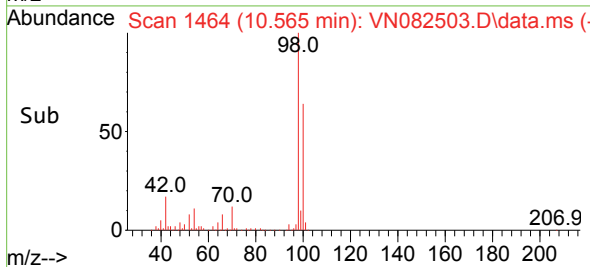
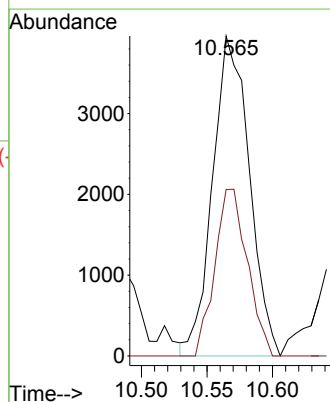
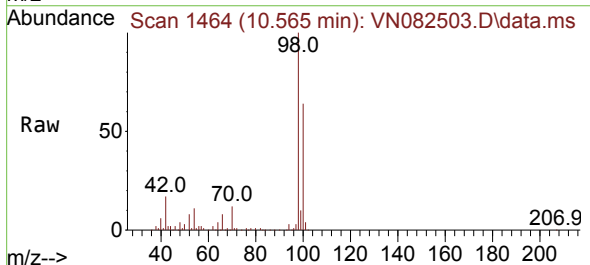
Instrument :
MSVOA_N
ClientSampleId :
MH-SLUDGE

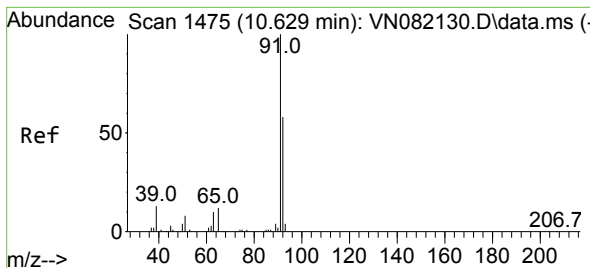
Tgt Ion: 98 Resp: 364388
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.235 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.117 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

Tgt Ion: 43 Resp: 7697
Ion Ratio Lower Upper
43 100
58 46.2 33.2 49.8





#52

Toluene

Concen: 0.336 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN082503.D

Acq: 07 Jun 2024 19:28

Instrument :

MSVOA_N

ClientSampleId :

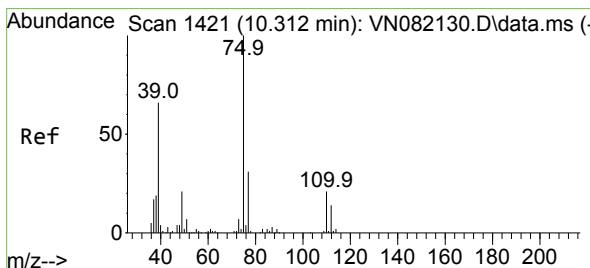
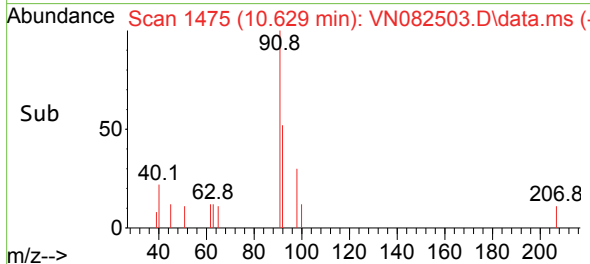
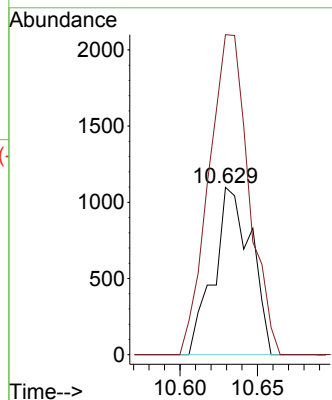
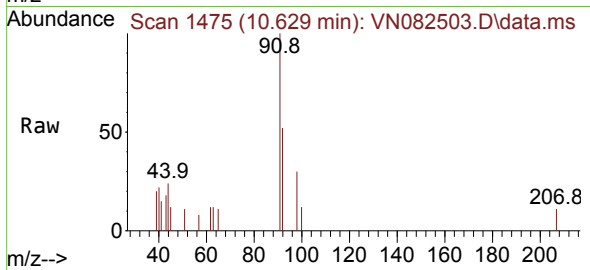
MH-SLUDGE

Tgt Ion: 92 Resp: 1838

Ion Ratio Lower Upper

92 100

91 205.2 136.7 205.1#



#54

cis-1,3-Dichloropropene

Concen: 7.521 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN082503.D

Acq: 07 Jun 2024 19:28

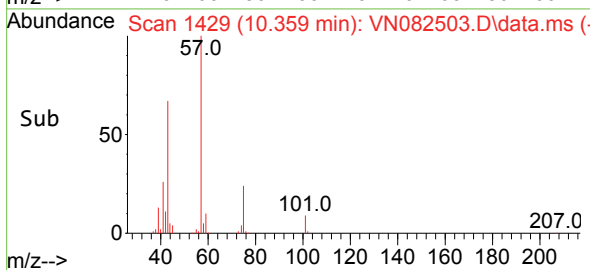
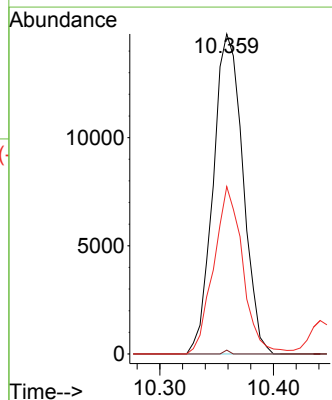
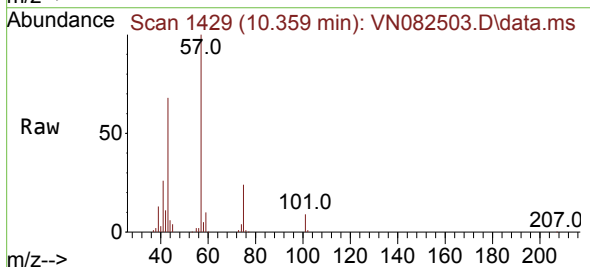
Tgt Ion: 75 Resp: 26842

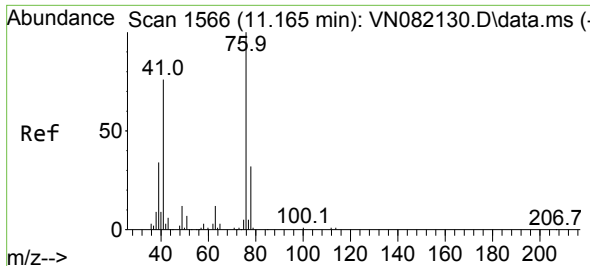
Ion Ratio Lower Upper

75 100

77 1.2 25.0 37.4#

39 50.9 34.8 52.2





#57

1,3-Dichloropropane

Concen: 0.621 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN082503.D

Acq: 07 Jun 2024 19:28

Instrument :

MSVOA_N

ClientSampleId :

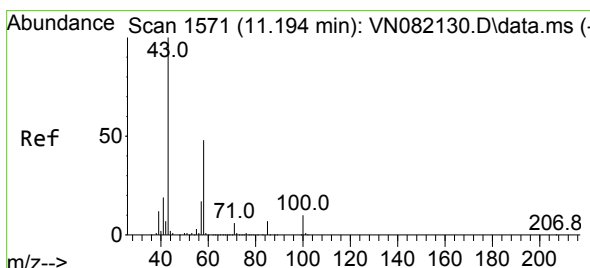
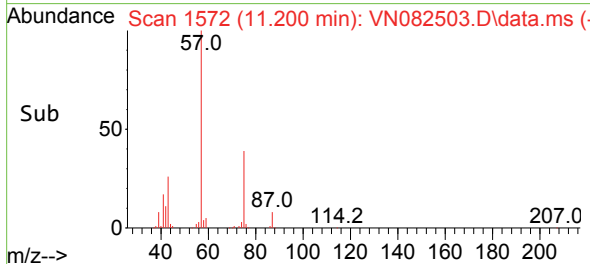
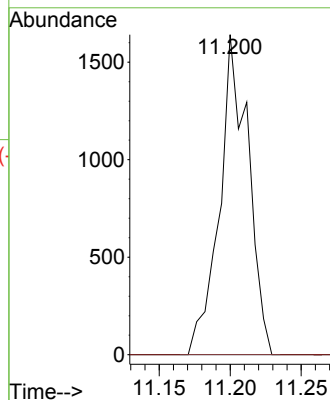
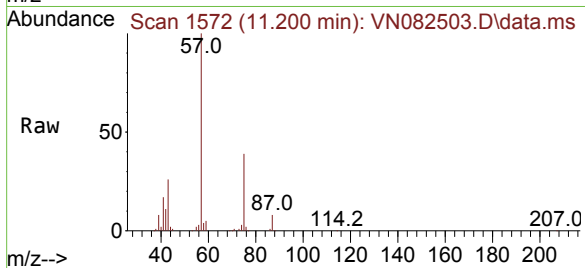
MH-SLUDGE

Tgt Ion: 76 Resp: 2308

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 33.720 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082503.D

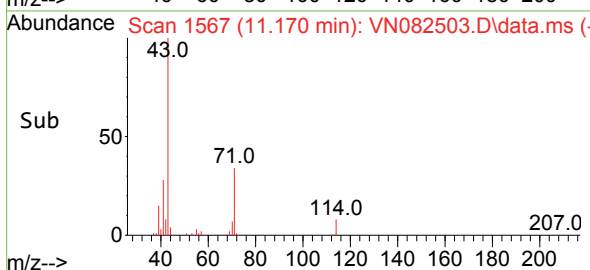
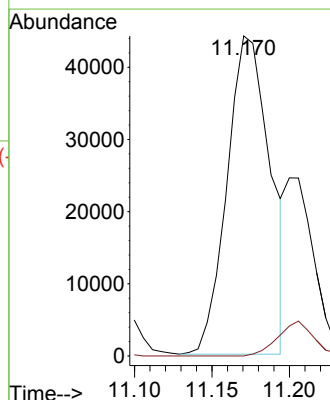
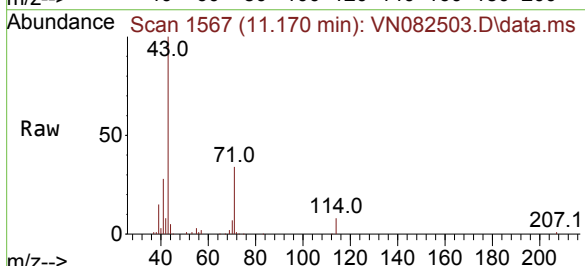
Acq: 07 Jun 2024 19:28

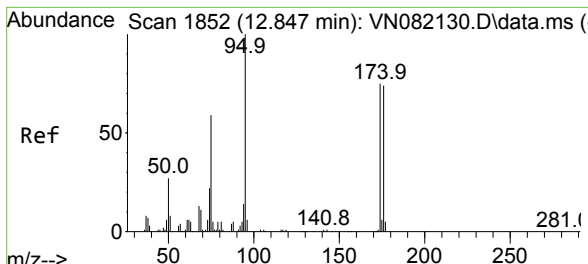
Tgt Ion: 43 Resp: 85045

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

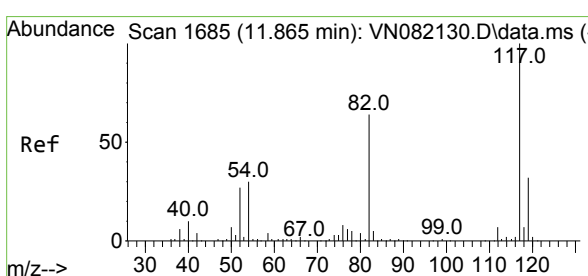
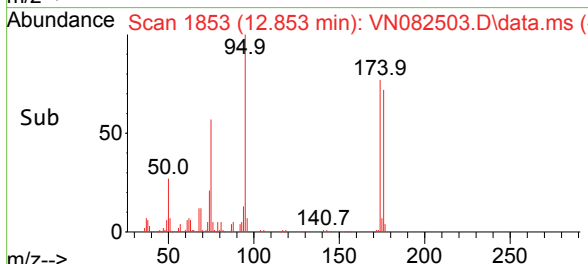
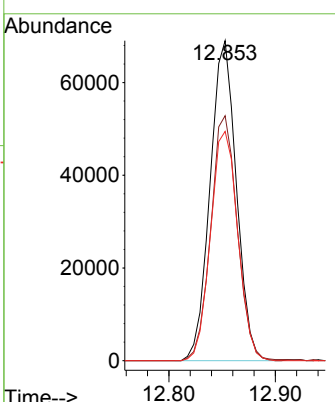
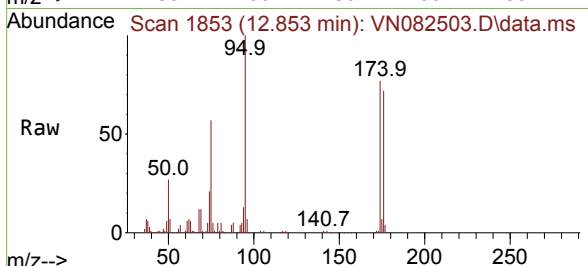




#62
 4-Bromofluorobenzene
 Concen: 47.283 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN082503.D
 Acq: 07 Jun 2024 19:28

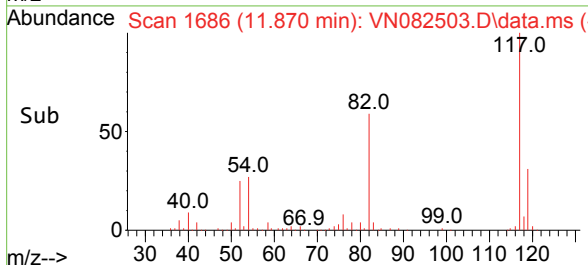
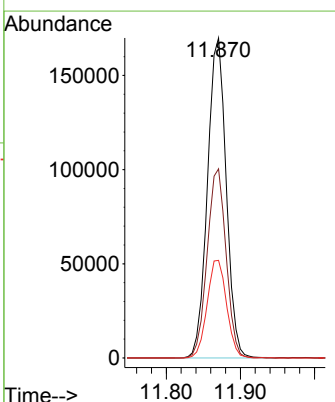
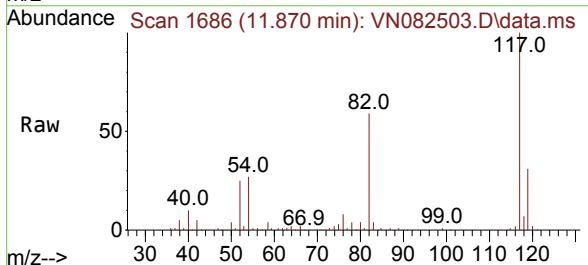
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-SLUDGE

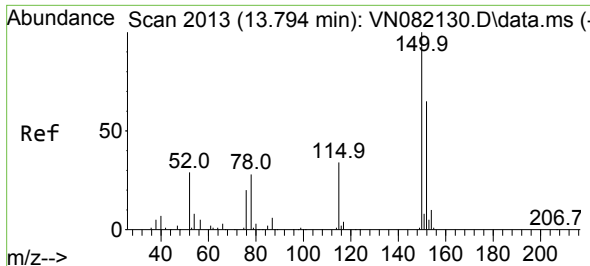
Tgt Ion:	95	Resp:	117942
Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	160.6
176	74.5	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN082503.D
 Acq: 07 Jun 2024 19:28

Tgt Ion:	117	Resp:	298179
Ion	Ratio	Lower	Upper
117	100		
82	59.1	44.6	66.8
119	30.5	25.9	38.9

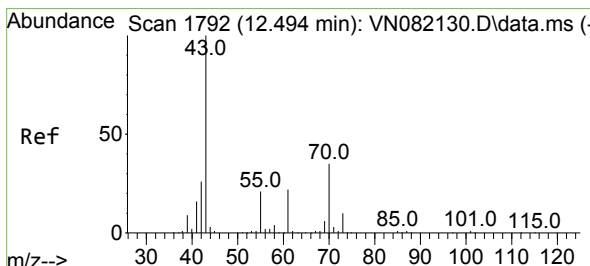
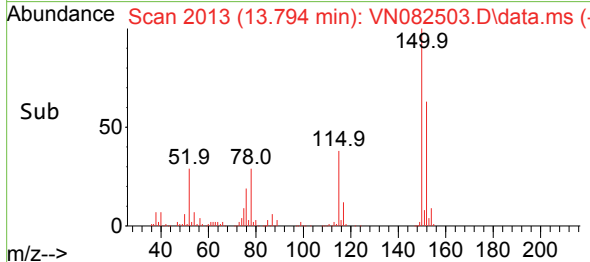
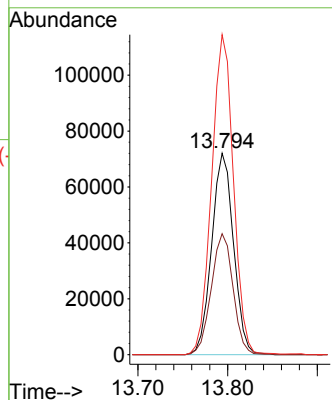
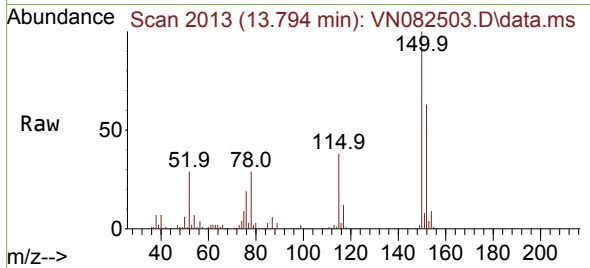




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

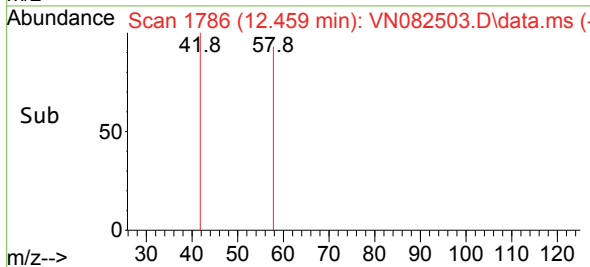
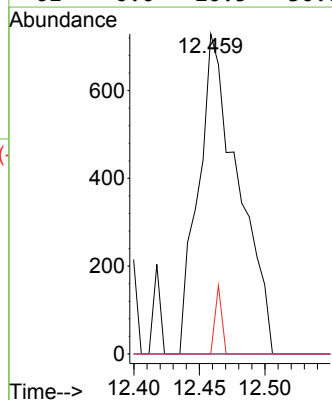
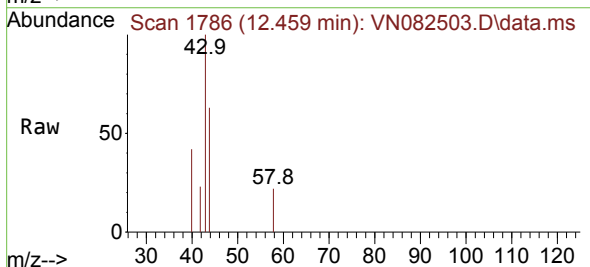
Instrument :
MSVOA_N
ClientSampleId :
MH-SLUDGE

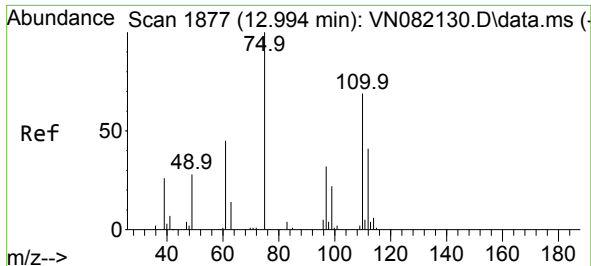
Tgt Ion:152 Resp: 121987
Ion Ratio Lower Upper
152 100
115 59.8 30.4 91.3
150 158.2 0.0 353.2



#74
N-ethyl acetate
Concen: 0.289 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

Tgt Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 3.6 21.3 31.9#
61 0.0 20.5 30.7#

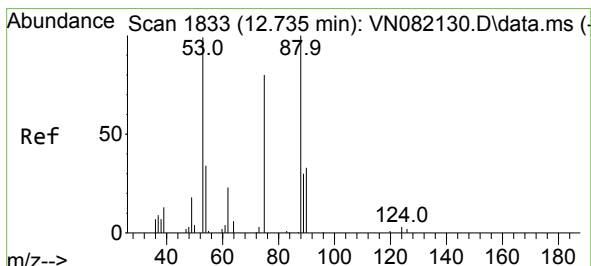
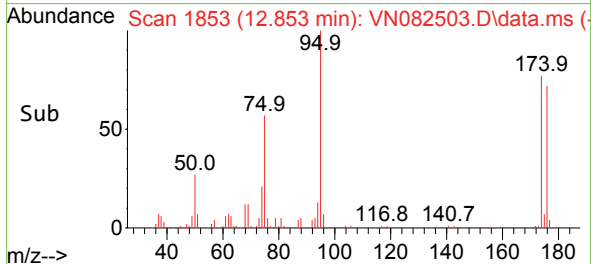
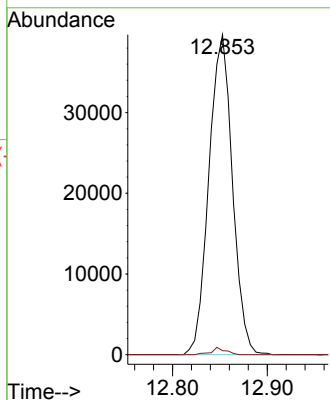
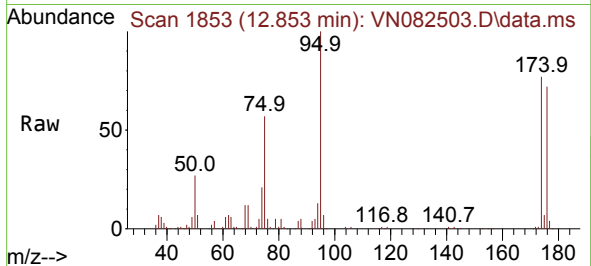




#76
1,2,3-Trichloropropane
Concen: 26.628 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

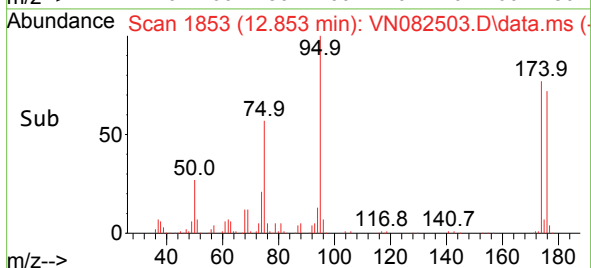
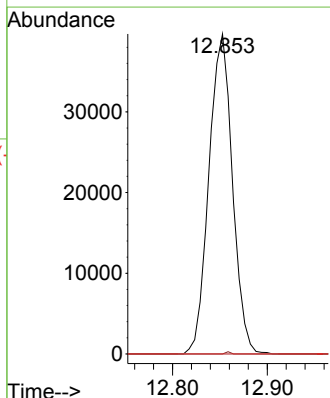
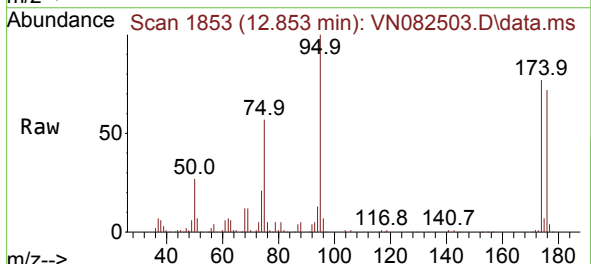
Instrument :
MSVOA_N
ClientSampleId :
MH-SLUDGE

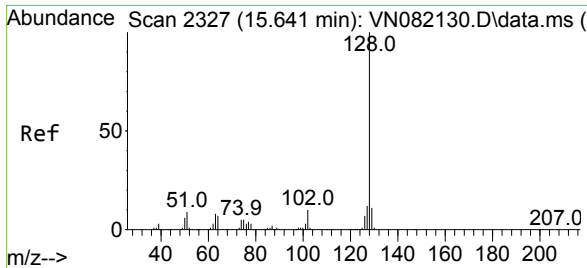
Tgt Ion: 75 Resp: 68368
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.282 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082503.D
Acq: 07 Jun 2024 19:28

Tgt Ion: 75 Resp: 68368
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#





#95

Naphthalene

Concen: 2.989 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN082503.D

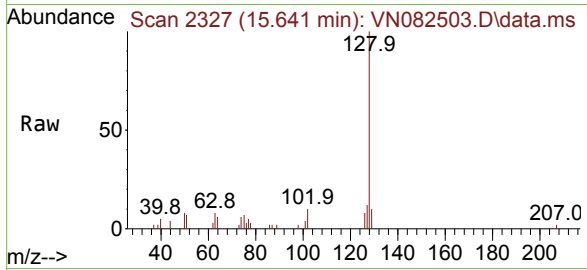
Acq: 07 Jun 2024 19:28

Instrument :

MSVOA_N

ClientSampleId :

MH-SLUDGE



Tgt Ion:128 Resp: 20798

Ion Ratio Lower Upper

128 100

127 13.8 10.1 15.1

129 10.9 8.9 13.3

