

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110723\
 Data File : VN079966.D
 Acq On : 07 Nov 2023 15:46
 Operator : JC\MD
 Sample : 05222-06DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 08 04:29:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

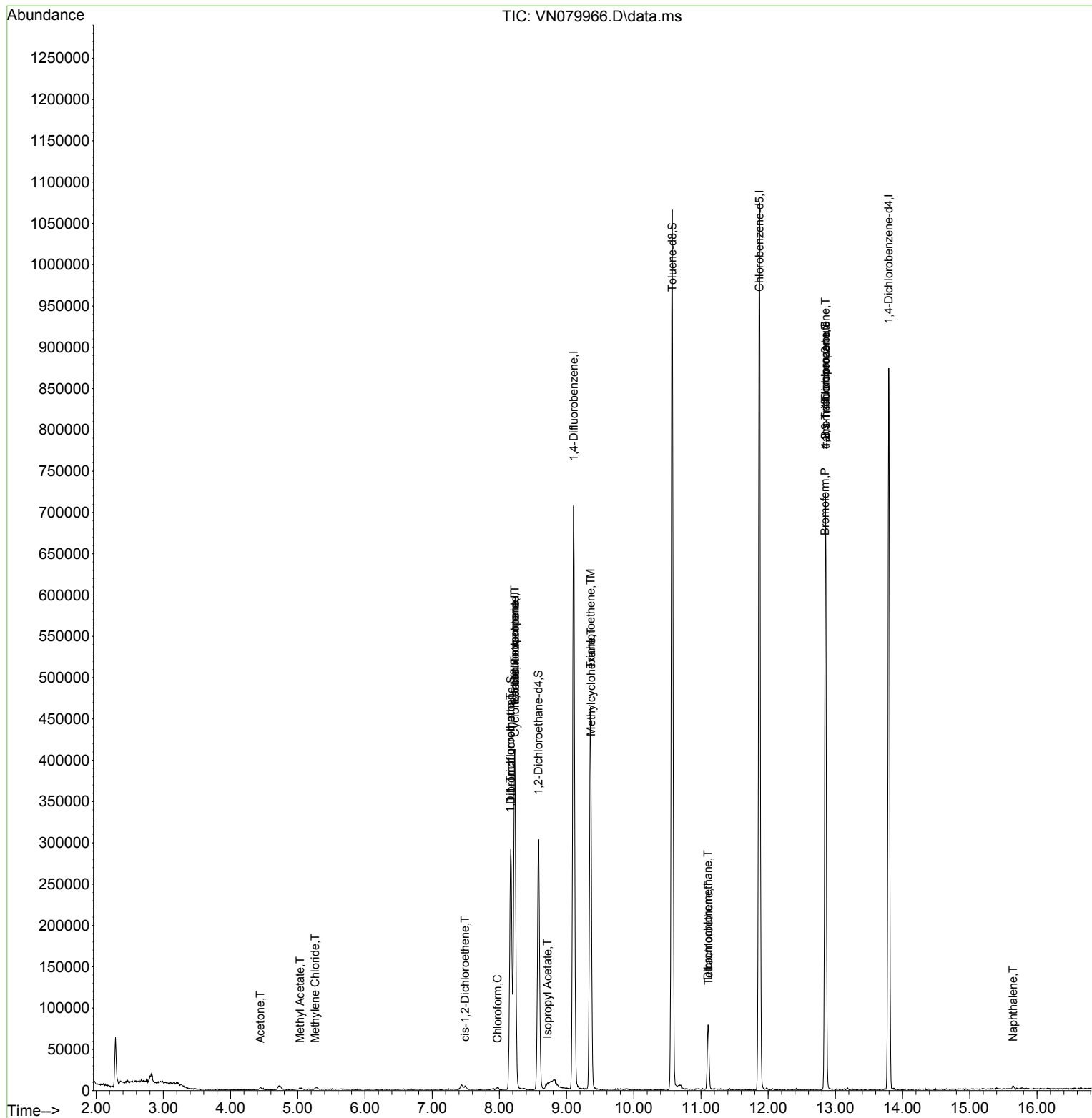
Internal Standards						
1) Pentafluorobenzene	8.230	168	289079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	587560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	603427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	226161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	245820	55.815	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.620%
35) Dibromofluoromethane	8.171	113	202599	48.719	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.440%
50) Toluene-d8	10.571	98	713216	46.588	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.180%
62) 4-Bromofluorobenzene	12.853	95	246344	48.519	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.040%
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	1226	Below Cal		96
16) Acetone	4.442	43	4311	2.787	ug/l	99
18) Methyl Acetate	5.036	43	4419	0.597	ug/l #	58
20) Methylene Chloride	5.259	84	1031	0.264	ug/l #	70
27) cis-1,2-Dichloroethene	7.489	96	2384	0.574	ug/l	96
30) Chloroform	7.971	83	2232	0.306	ug/l	95
31) Cyclohexane	8.236	56	7902	1.358	ug/l #	51
32) 1,1,1-Trichloroethane	8.165	97	9924	1.670	ug/l #	48
36) 1,1-Dichloropropene	8.230	75	26647	4.488	ug/l #	47
38) Carbon Tetrachloride	8.230	117	32899	5.498	ug/l #	16
39) Methylcyclohexane	9.365	83	2118	0.379	ug/l #	1
43) Isopropyl Acetate	8.718	43	7058	0.739	ug/l #	49
44) Trichloroethene	9.359	130	162755	36.881	ug/l	99
60) Dibromochloromethane	11.106	129	17353	3.823	ug/l #	11
64) Tetrachloroethene	11.112	164	17162	4.391	ug/l	93
71) Bromoform	12.847	173	1173	0.350	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	132960	25.041	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	132960	68.132	ug/l #	15
95) Naphthalene	15.647	128	3807	0.320	ug/l #	94

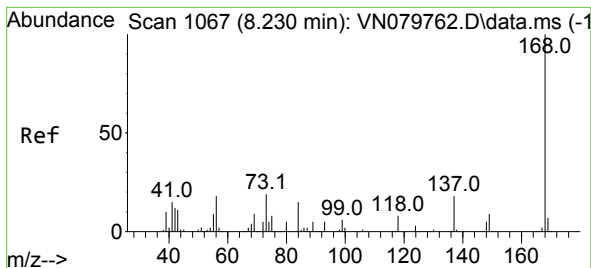
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. 0.001 min

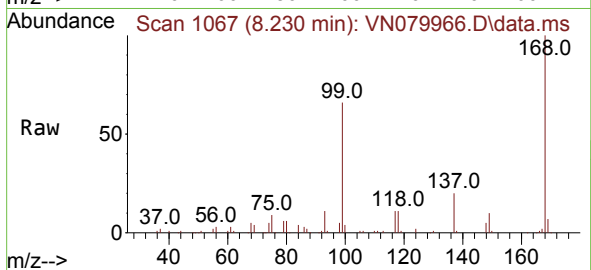
Lab File: VN079966.D

Acq: 07 Nov 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :

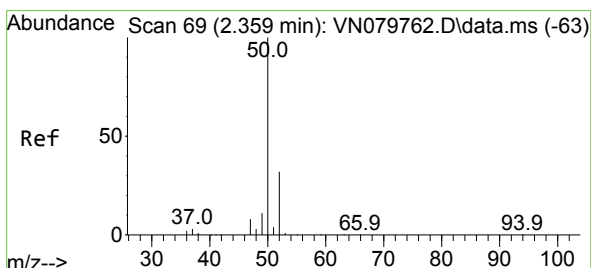
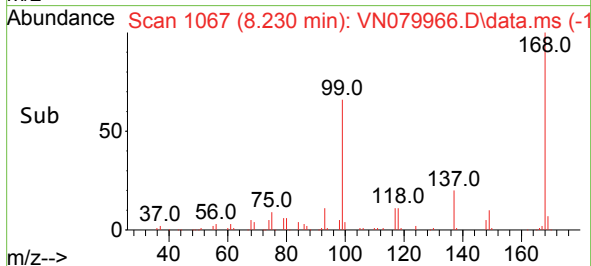
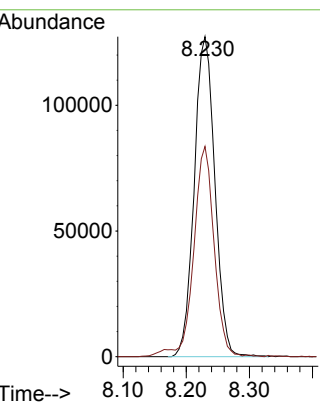


Tgt Ion:168 Resp: 289079

Ion Ratio Lower Upper

168 100

99 65.3 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079966.D

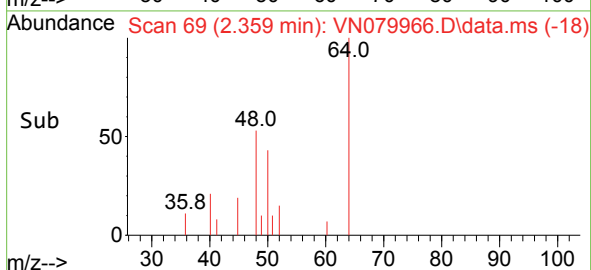
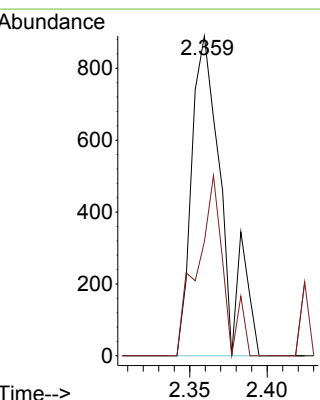
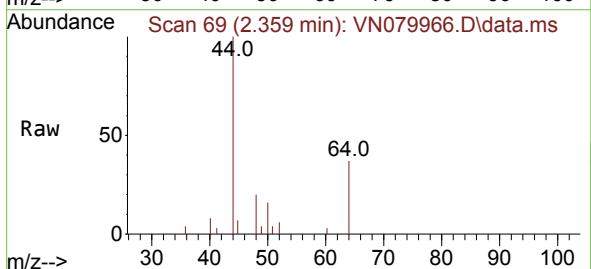
Acq: 07 Nov 2023 15:46

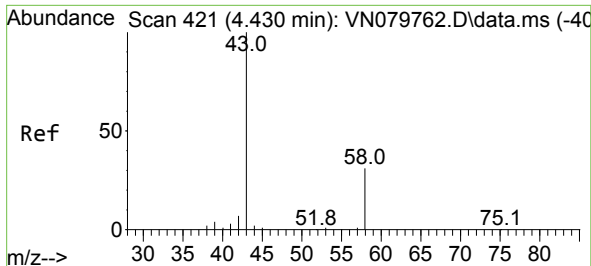
Tgt Ion: 50 Resp: 1226

Ion Ratio Lower Upper

50 100

52 35.6 26.5 39.7

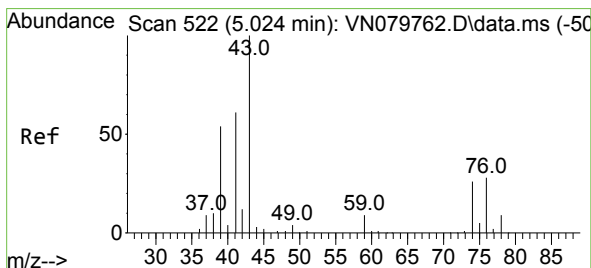
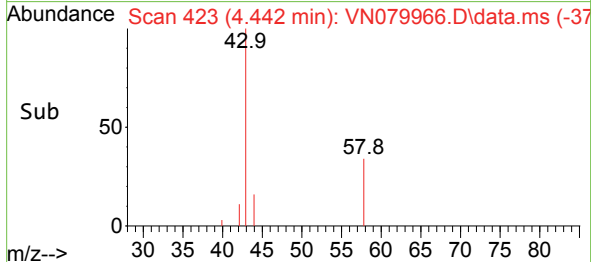
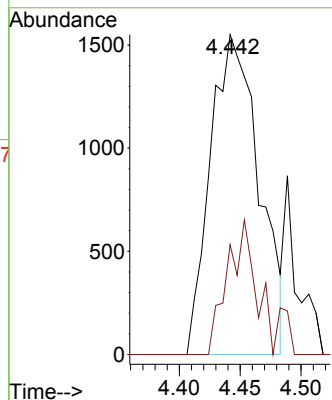
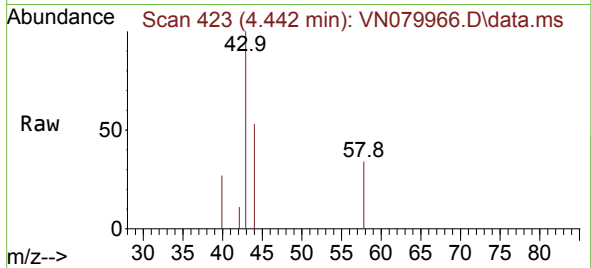




#16
Acetone
Concen: 2.787 ug/l
RT: 4.442 min Scan# 431
Delta R.T. 0.012 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

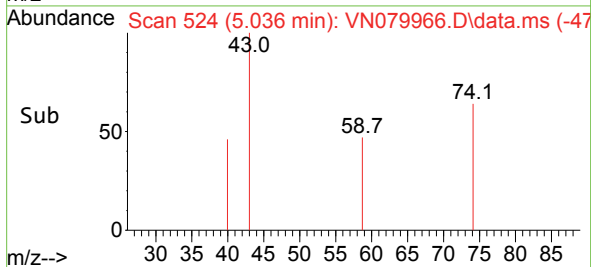
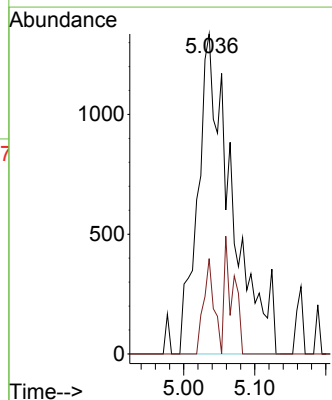
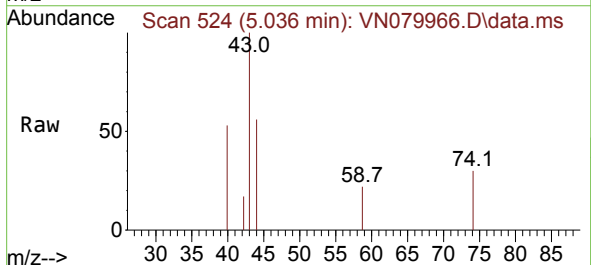
Instrument :
MSVOA_N
ClientSampleId :

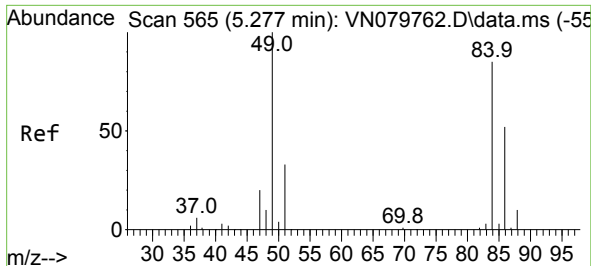
Tgt Ion: 43 Resp: 4311
Ion Ratio Lower Upper
43 100
58 34.4 28.0 42.0



#18
Methyl Acetate
Concen: 0.597 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

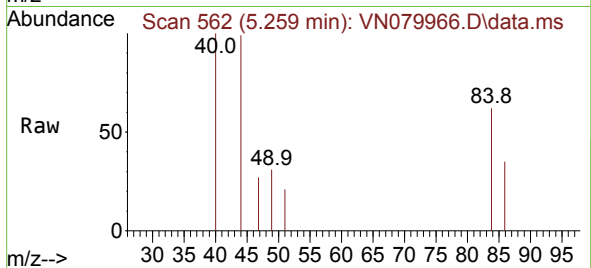
Tgt Ion: 43 Resp: 4419
Ion Ratio Lower Upper
43 100
74 9.2 26.2 39.4#



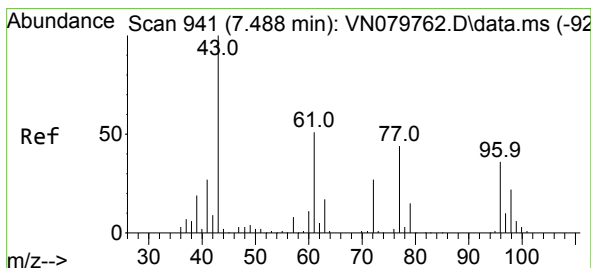
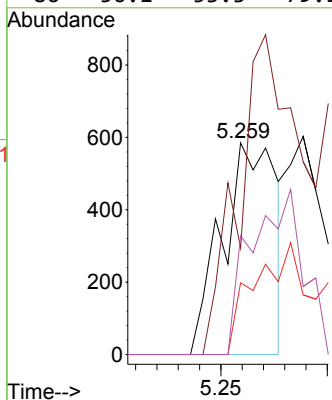
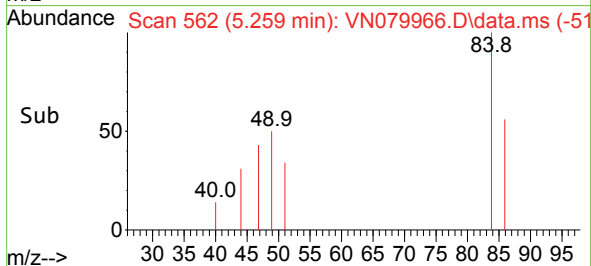


#20
Methylene Chloride
Concen: 0.264 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

Instrument :
MSVOA_N
ClientSampleId :

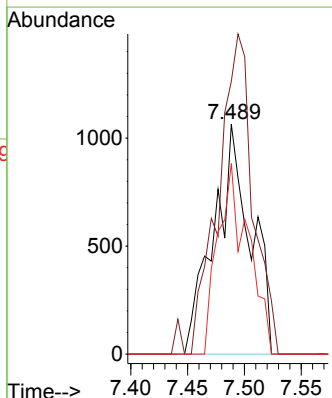
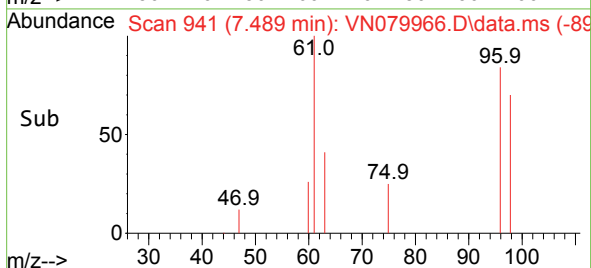
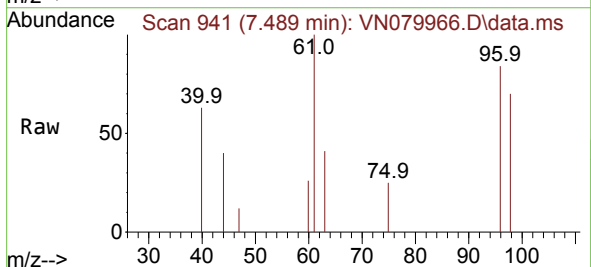


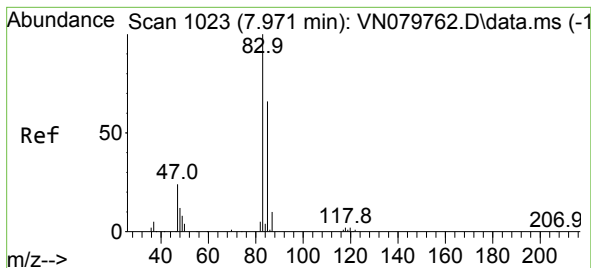
Tgt Ion: 84 Resp: 1031
Ion Ratio Lower Upper
84 100
49 50.3 79.7 119.5#
51 33.8 25.2 37.8
86 56.1 53.3 79.9



#27
cis-1,2-Dichloroethene
Concen: 0.574 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

Tgt Ion: 96 Resp: 2384
Ion Ratio Lower Upper
96 100
61 132.3 0.0 255.2
98 68.3 0.0 128.8





#30

Chloroform

Concen: 0.306 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN079966.D

Acq: 07 Nov 2023 15:46

Instrument :

MSVOA_N

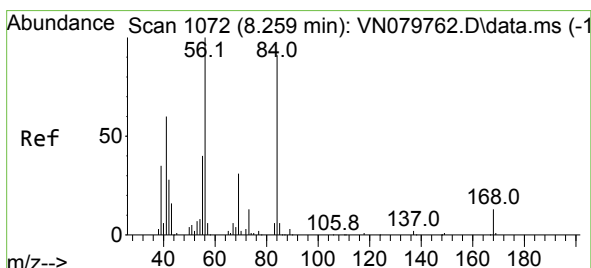
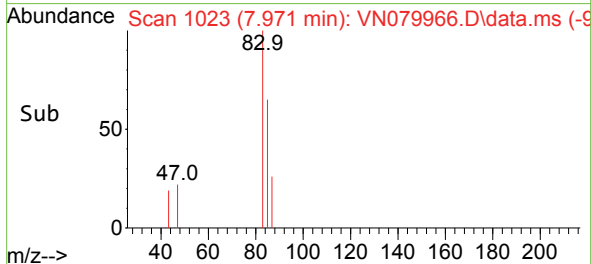
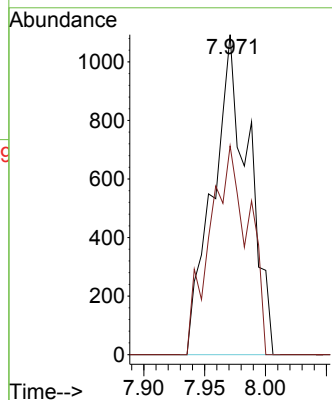
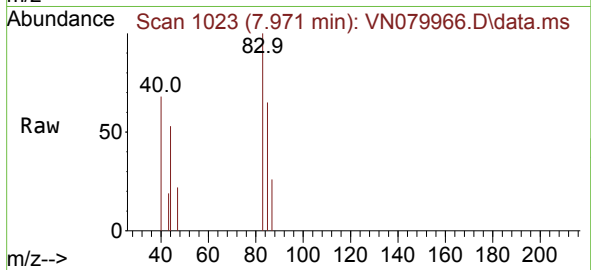
ClientSampleId :

Tgt Ion: 83 Resp: 2232

Ion Ratio Lower Upper

83 100

85 65.2 55.4 83.0



#31

Cyclohexane

Concen: 1.358 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.023 min

Lab File: VN079966.D

Acq: 07 Nov 2023 15:46

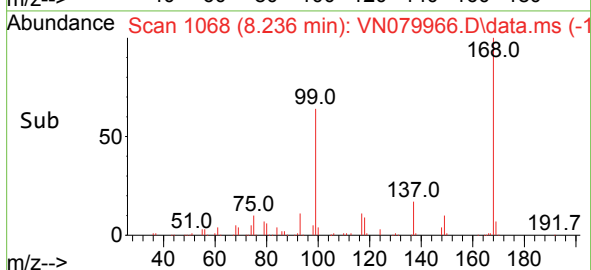
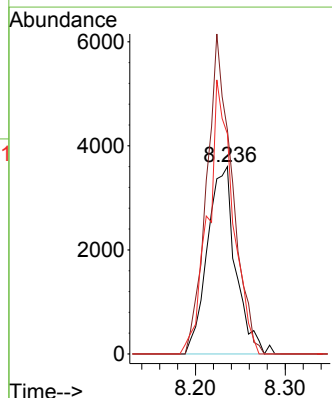
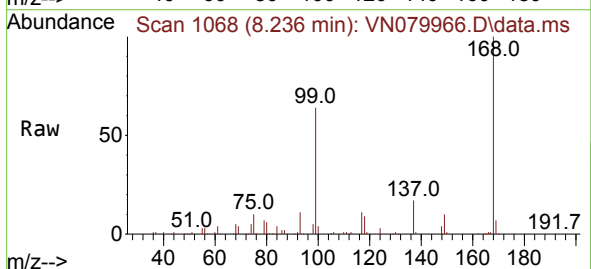
Tgt Ion: 56 Resp: 7902

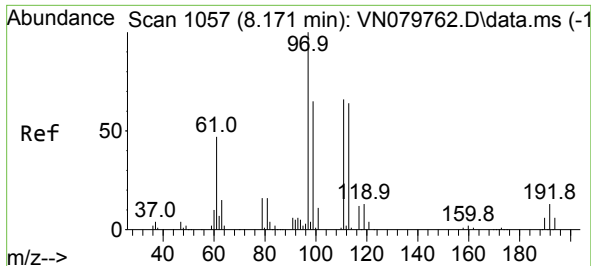
Ion Ratio Lower Upper

56 100

69 119.6 26.8 40.2#

84 117.5 81.8 122.6





#32

1,1,1-Trichloroethane

Concen: 1.670 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

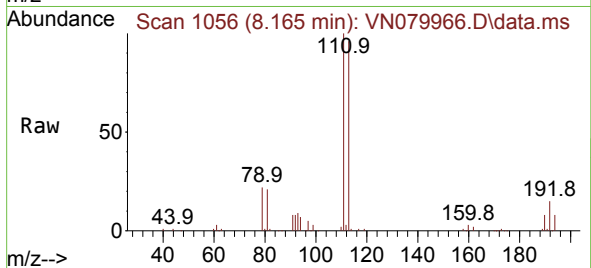
Lab File: VN079966.D

Acq: 07 Nov 2023 15:46

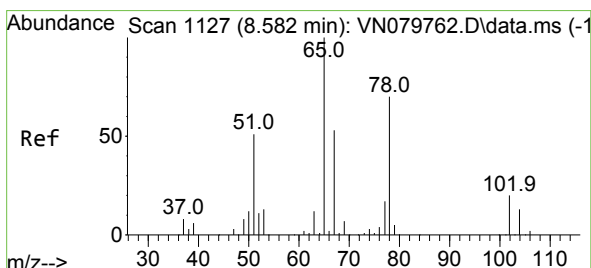
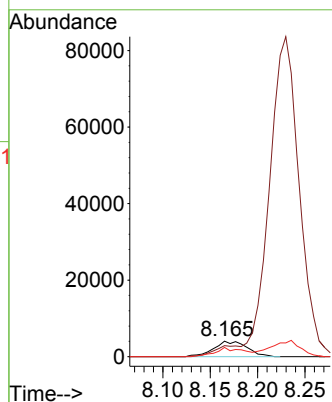
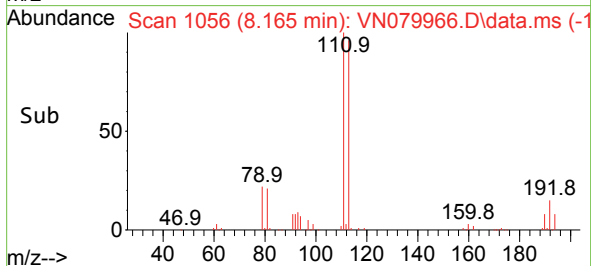
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	97	Resp:	9924
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.3	75.5#
61	49.5	34.7	52.1



#33

1,2-Dichloroethane-d4

Concen: 55.815 ug/l

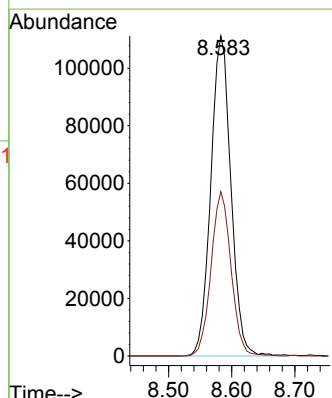
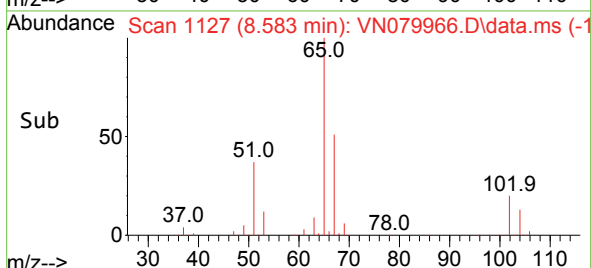
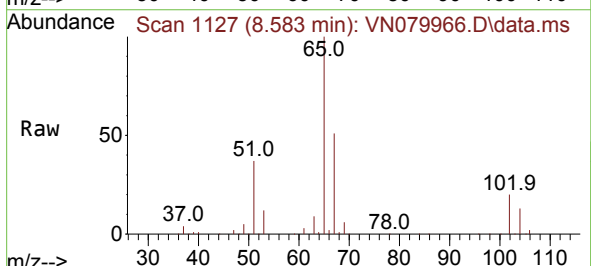
RT: 8.583 min Scan# 1127

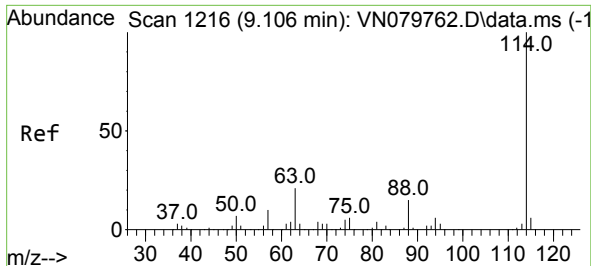
Delta R.T. 0.000 min

Lab File: VN079966.D

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Tgt Ion:	65	Resp:	245820
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.6

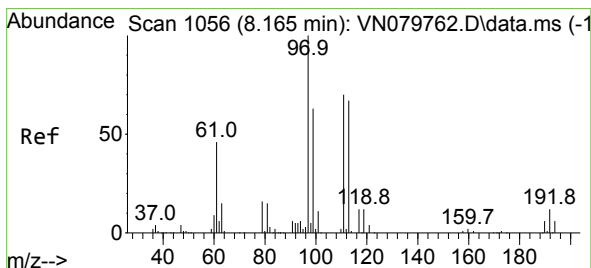
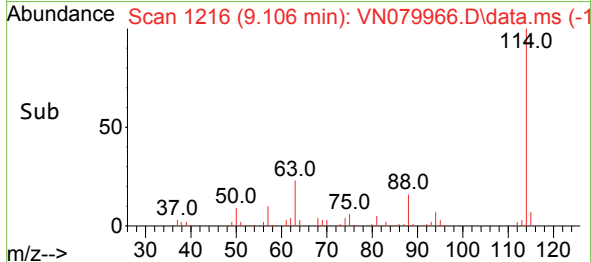
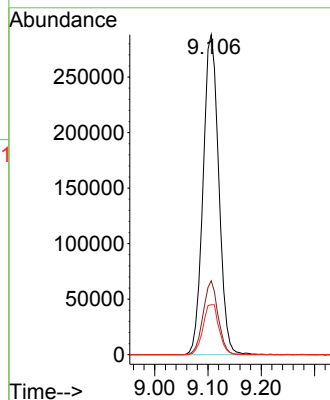
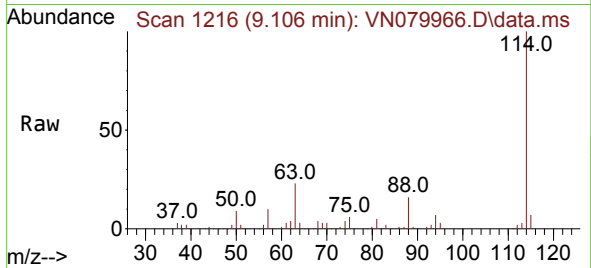




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

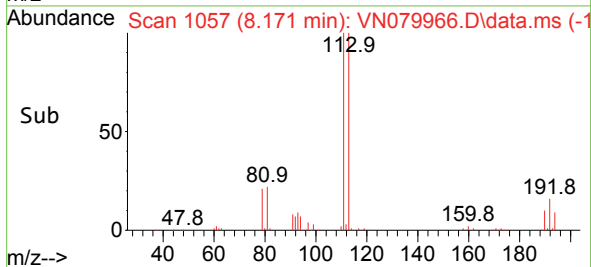
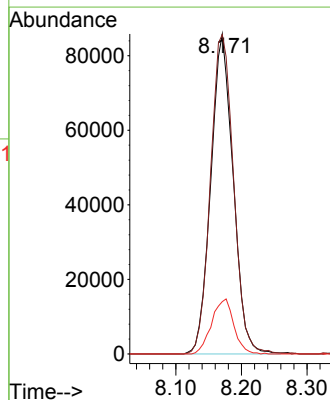
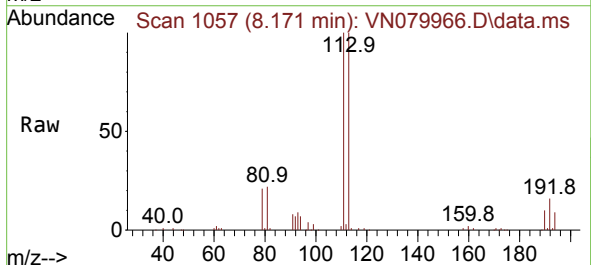
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MSVOA_N
ClientSampleId :

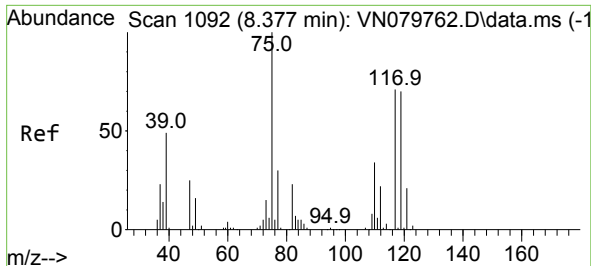
Tgt Ion:114 Resp: 587560
Ion Ratio Lower Upper
114 100
63 23.1 0.0 36.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.719 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

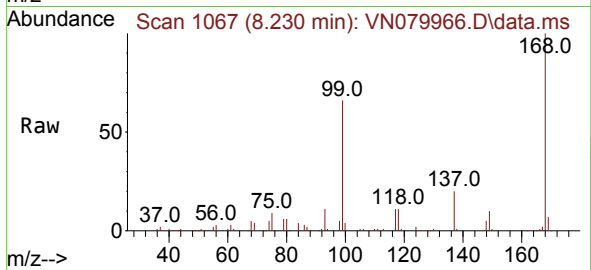
Tgt Ion:113 Resp: 202599
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 17.1 12.7 19.1



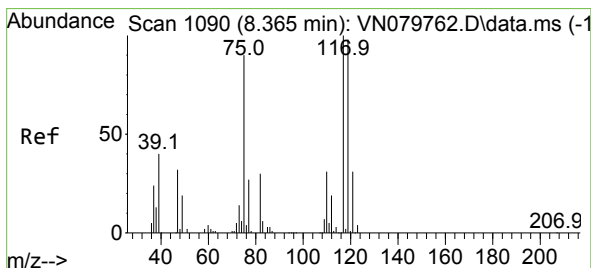
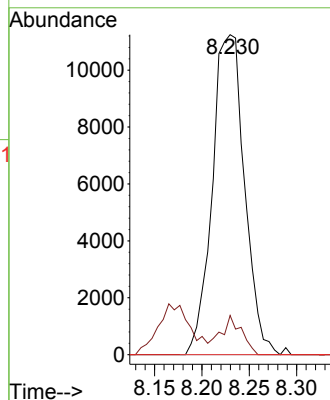
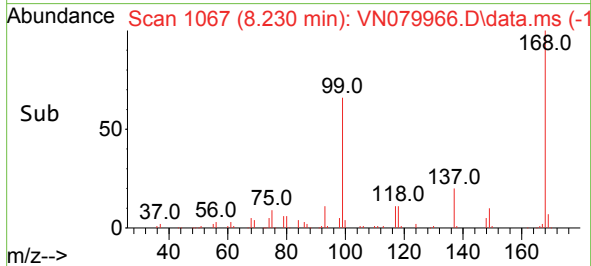


#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

Instrument :
MSVOA_N
ClientSampleId :

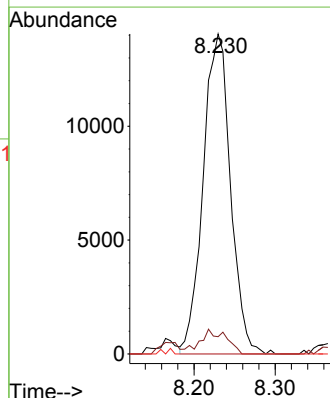
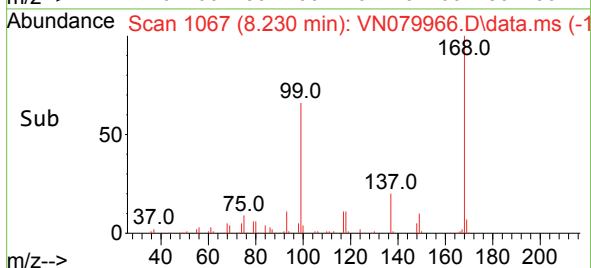
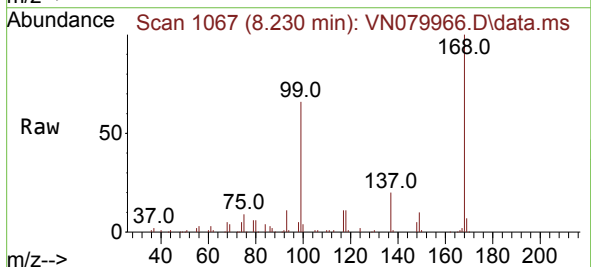


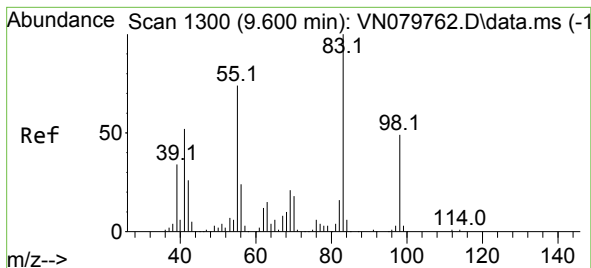
Tgt Ion: 75 Resp: 26647
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.498 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

Tgt Ion: 117 Resp: 32899
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.379 ug/l

RT: 9.365 min Scan# 1150

Delta R.T. -0.241 min

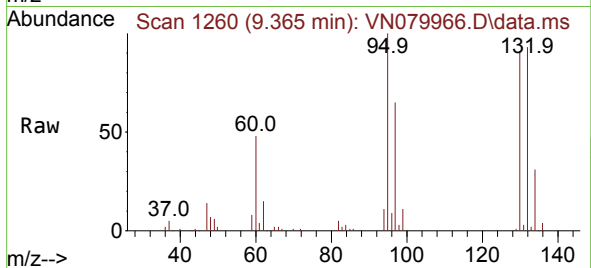
Lab File: VN079966.D

Acq: 07 Nov 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :



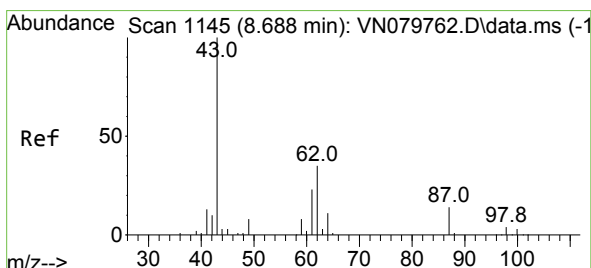
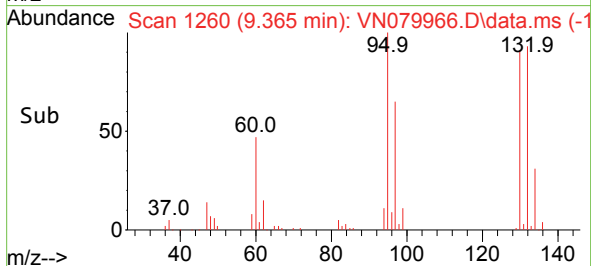
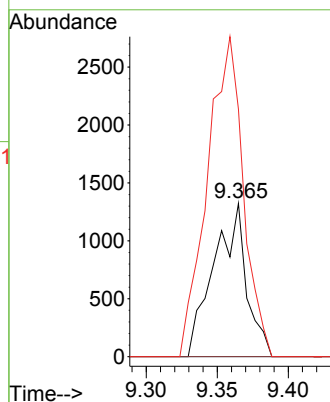
Tgt Ion: 83 Resp: 2118

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 161.4 40.6 61.0#



#43

Isopropyl Acetate

Concen: 0.739 ug/l

RT: 8.718 min Scan# 1150

Delta R.T. 0.030 min

Lab File: VN079966.D

Acq: 07 Nov 2023 15:46

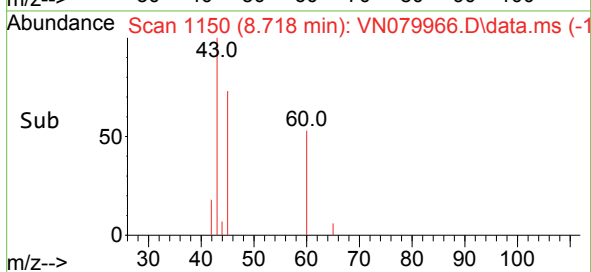
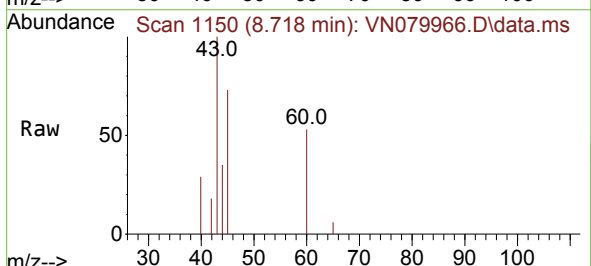
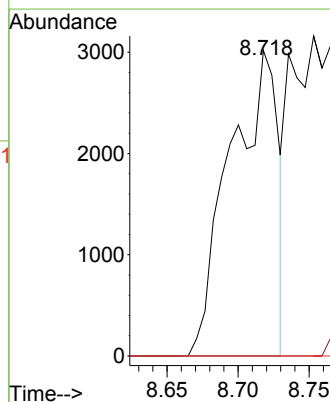
Tgt Ion: 43 Resp: 7058

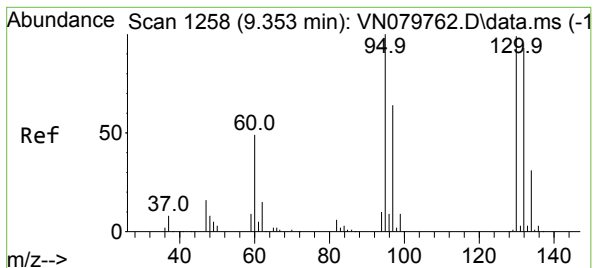
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 36.881 ug/l

RT: 9.359 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN079966.D

Acq: 07 Nov 2023 15:46

Instrument :

MSVOA_N

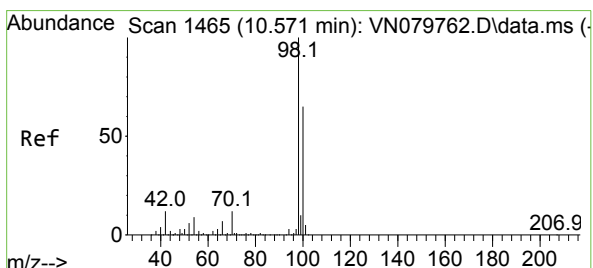
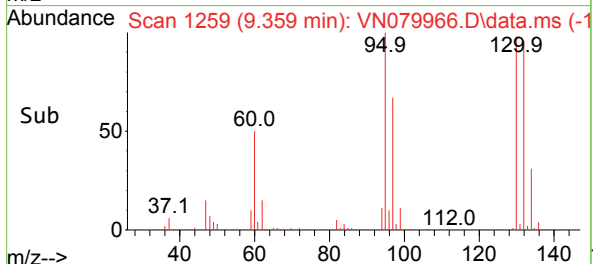
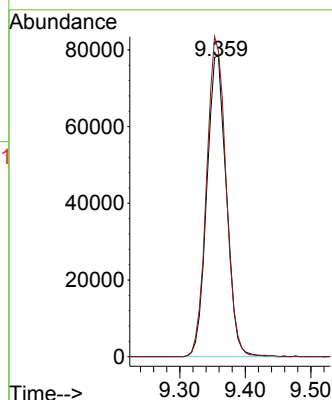
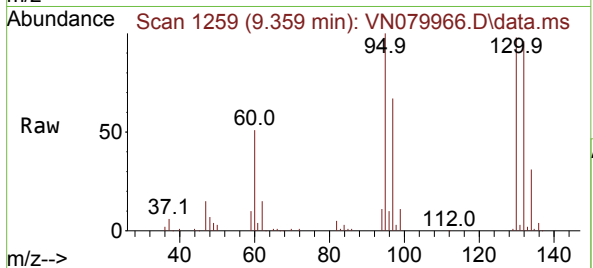
ClientSampleId :

Tgt Ion:130 Resp: 162755

Ion Ratio Lower Upper

130 100

95 101.7 0.0 204.6



#50

Toluene-d8

Concen: 46.588 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079966.D

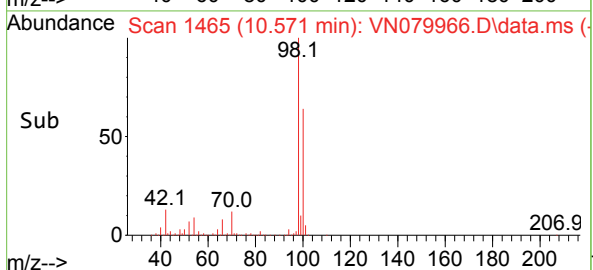
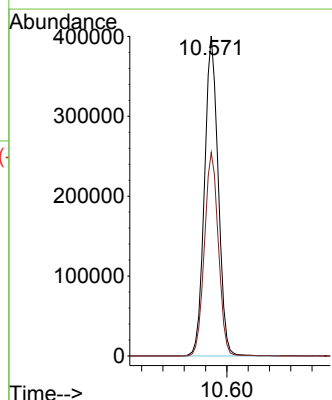
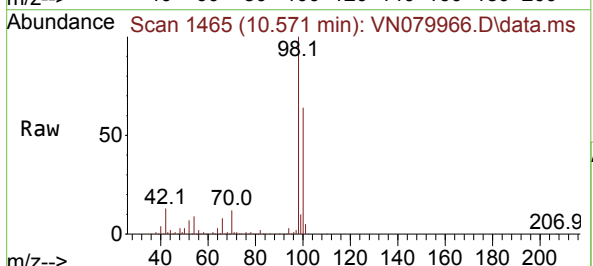
Acq: 07 Nov 2023 15:46

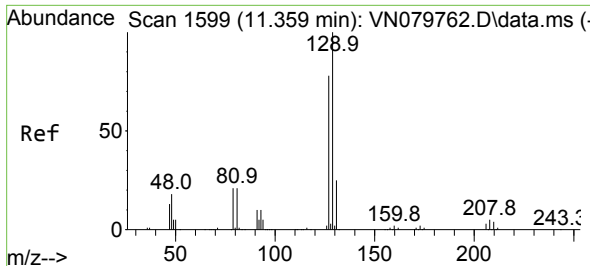
Tgt Ion: 98 Resp: 713216

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

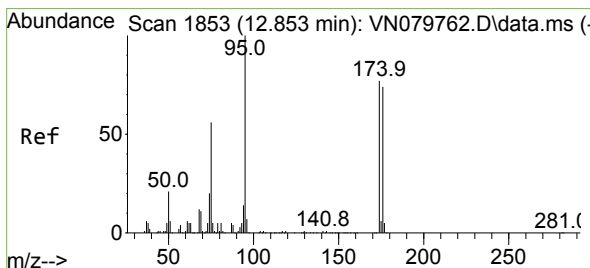
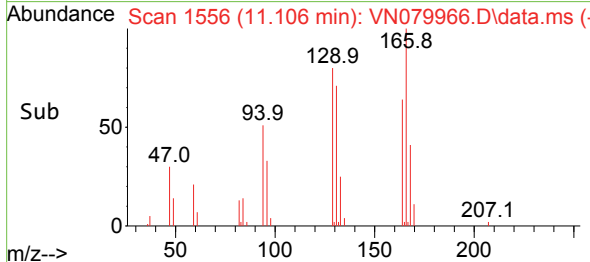
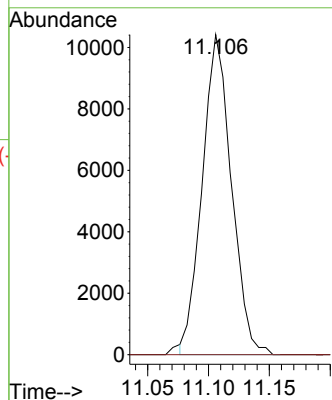
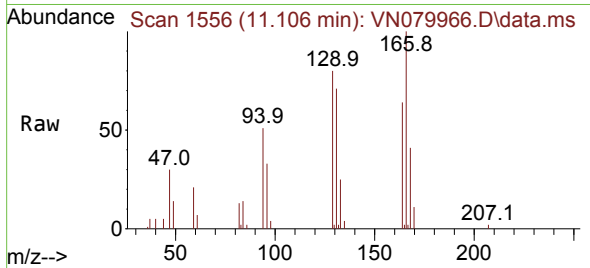




#60
Dibromochloromethane
Concen: 3.823 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

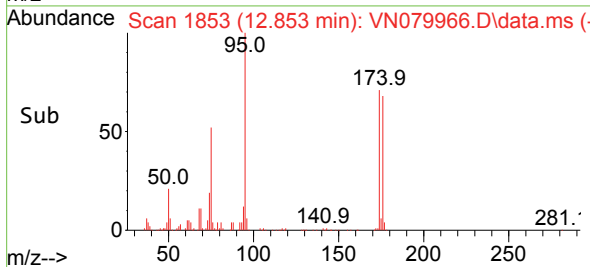
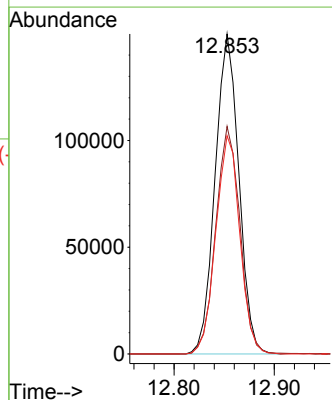
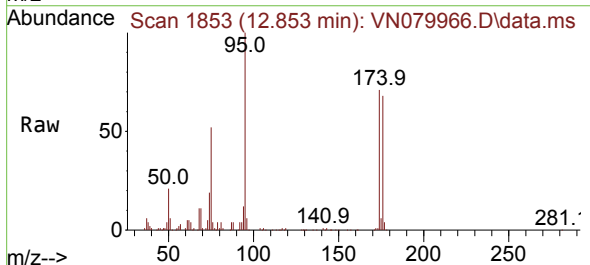
Instrument :
MSVOA_N
ClientSampleId :

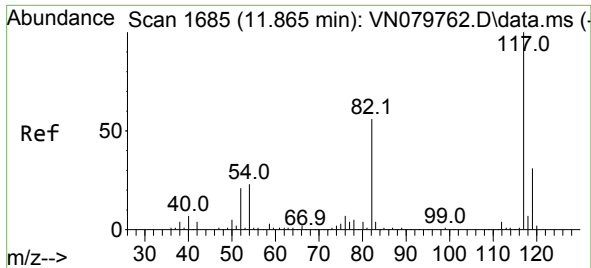
Tgt Ion:129 Resp: 17353
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 48.519 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

Tgt Ion: 95 Resp: 246344
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.8
176 69.1 0.0 135.8

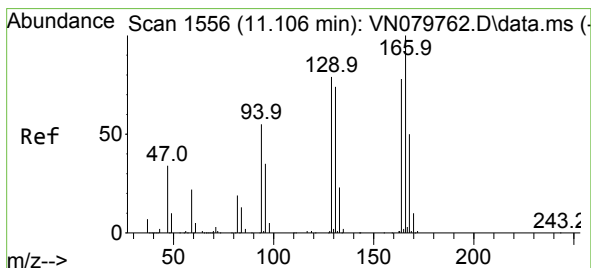
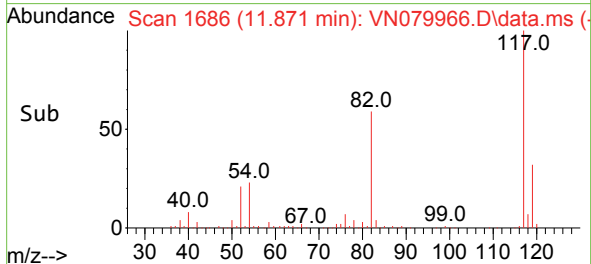
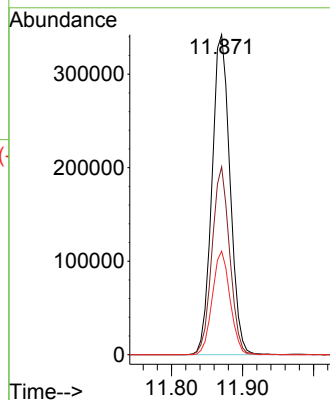
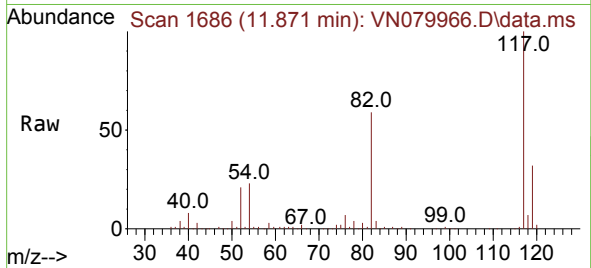




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

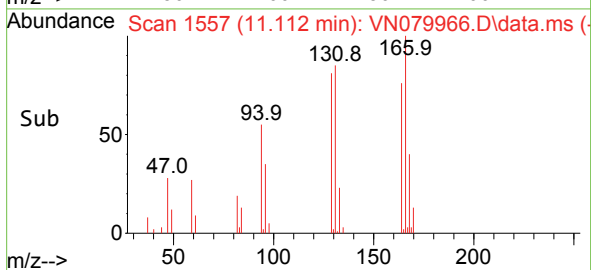
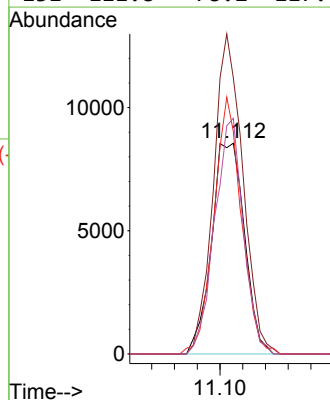
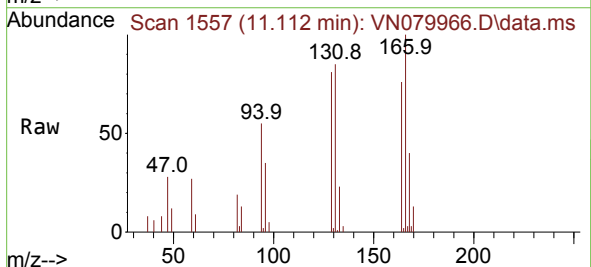
Instrument :
MSVOA_N
ClientSampleId :

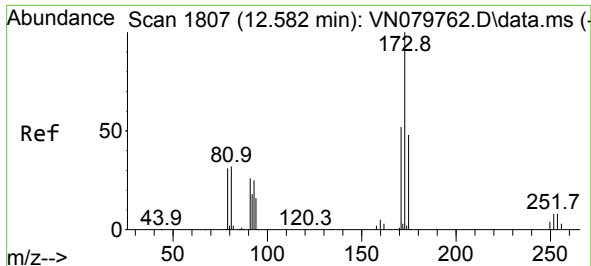
Tgt Ion:117 Resp: 603427
Ion Ratio Lower Upper
117 100
82 58.7 44.0 66.0
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 4.391 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

Tgt Ion:164 Resp: 17162
Ion Ratio Lower Upper
164 100
166 131.0 101.4 152.0
129 105.6 82.4 123.6
131 111.8 78.2 117.4

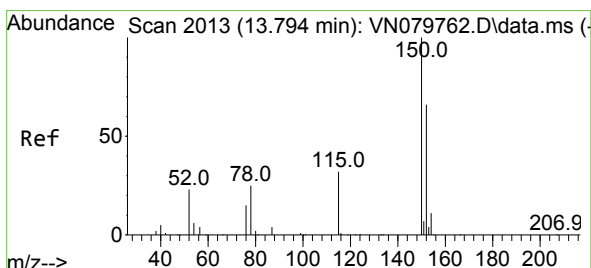
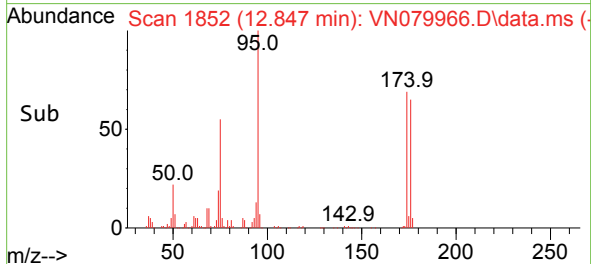
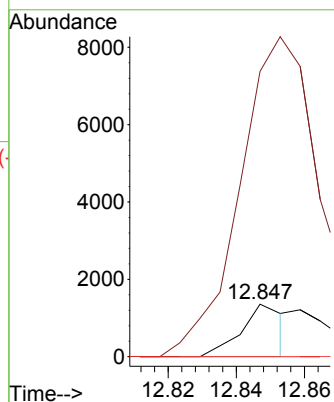
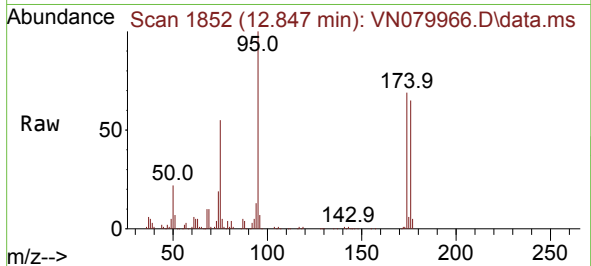




#71
Bromoform
Concen: 0.350 ug/l
RT: 12.847 min Scan# 1173
Delta R.T. 0.265 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

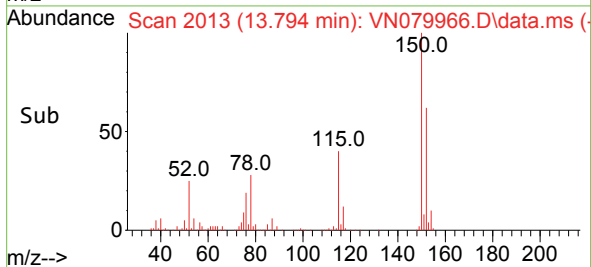
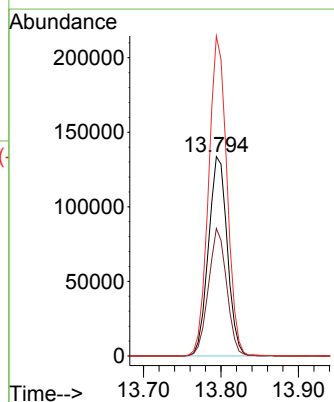
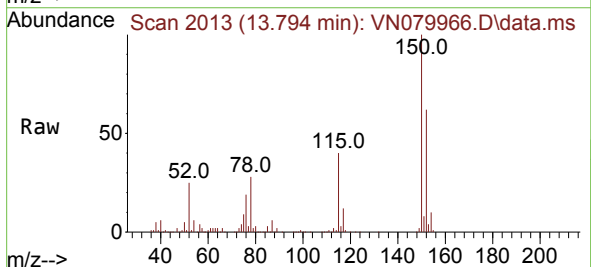
Instrument :
MSVOA_N
ClientSampleId :

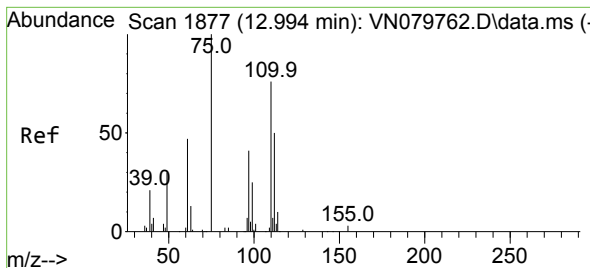
Tgt Ion:173 Resp: 1173
Ion Ratio Lower Upper
173 100
175 921.1 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079966.D
Acq: 07 Nov 2023 15:46

Tgt Ion:152 Resp: 226161
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 156.3 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 25.041 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079966.D

Acq: 07 Nov 2023 15:46

Instrument :

MSVOA_N

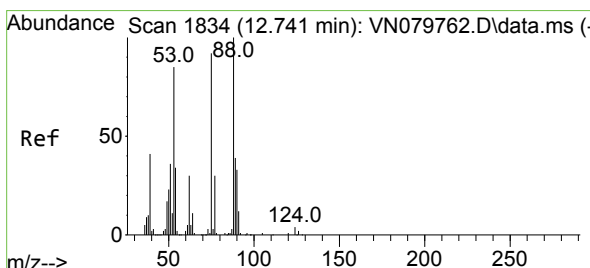
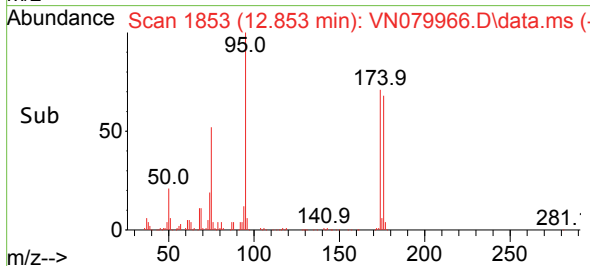
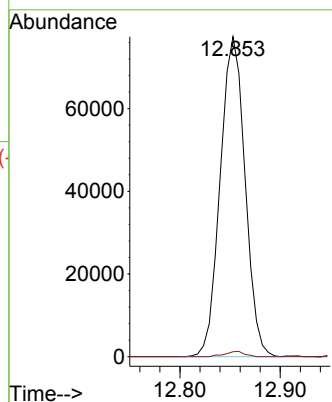
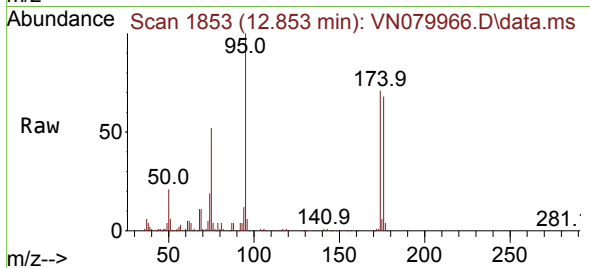
ClientSampleId :

Tgt Ion: 75 Resp: 132960

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.132 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079966.D

Acq: 07 Nov 2023 15:46

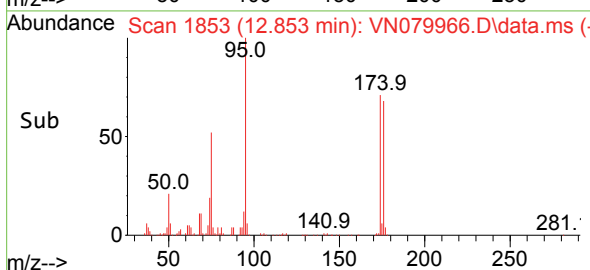
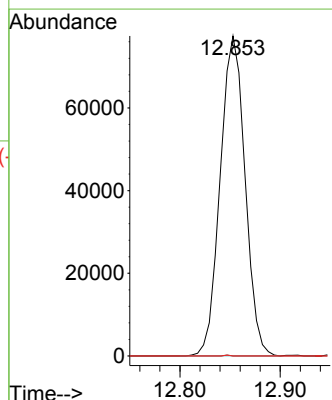
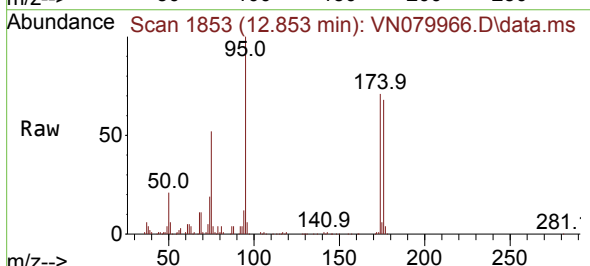
Tgt Ion: 75 Resp: 132960

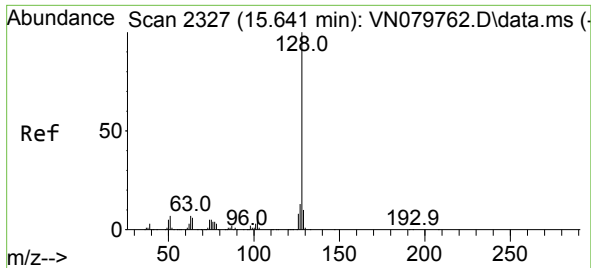
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.1 38.8 58.2#





#95

Naphthalene

Concen: 0.320 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

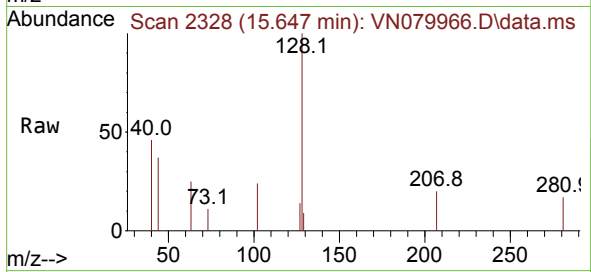
Lab File: VN079966.D

Acq: 07 Nov 2023 15:46

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	3807
Ion	Ratio	Lower	Upper
128	100		
127	9.1	10.0	15.0#
129	9.4	8.7	13.1

