

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102423\
 Data File : VN079663.D
 Acq On : 24 Oct 2023 17:38
 Operator : JC\MD
 Sample : 05029-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:01:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	255878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	502804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	490674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	157459	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	218446	52.652	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.300%
35) Dibromofluoromethane	8.171	113	195929	54.224	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.440%
50) Toluene-d8	10.571	98	609261	46.601	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.200%
62) 4-Bromofluorobenzene	12.853	95	207057	49.349	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.700%

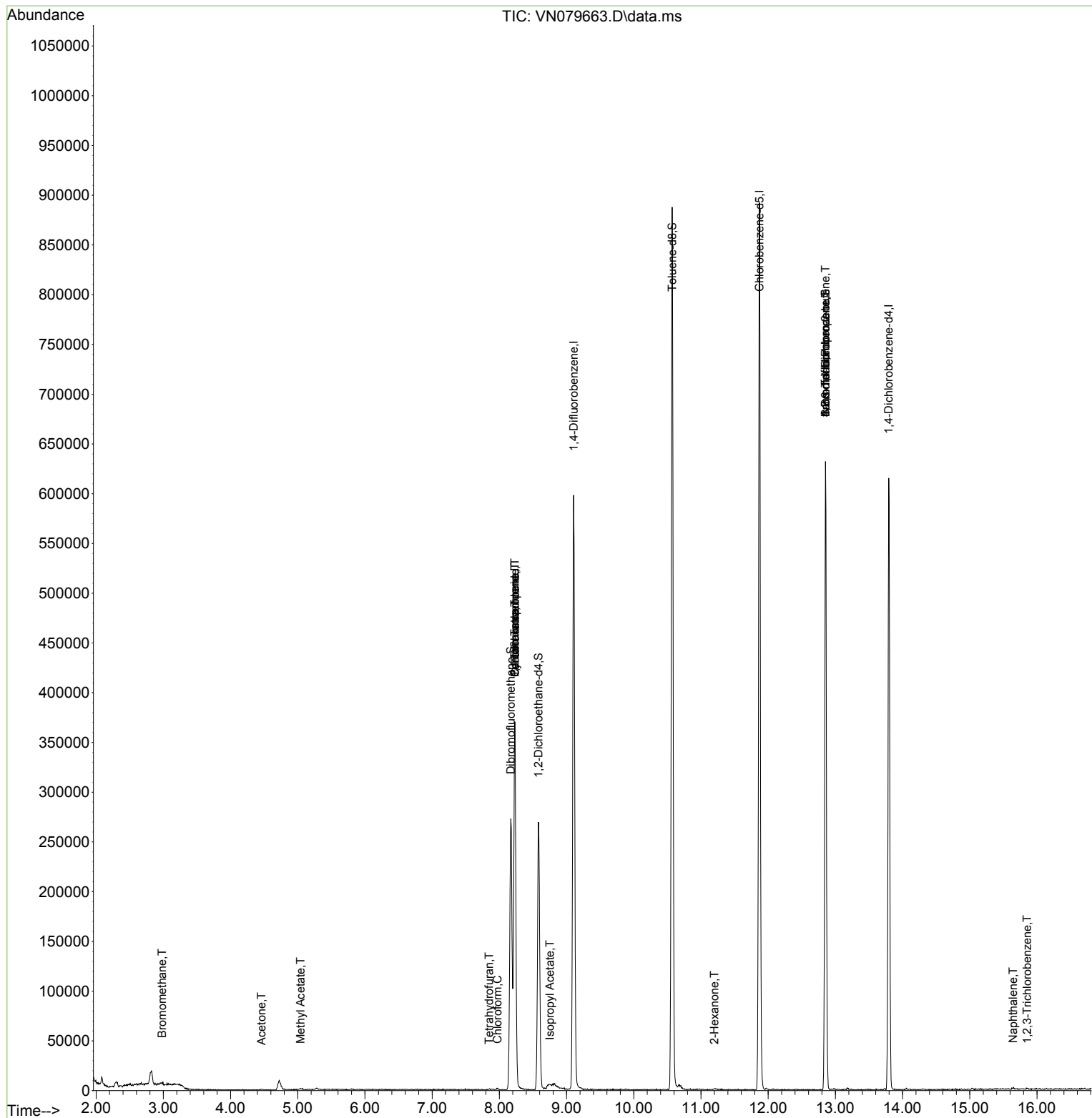
Target Compounds					Qvalue	
5) Bromomethane	2.983	94	1270	0.446	ug/l #	65
16) Acetone	4.459	43	1220	0.741	ug/l #	40
18) Methyl Acetate	5.042	43	1909	0.237	ug/l #	55
20) Methylene Chloride	5.283	84	930	Below Cal	#	81
29) Tetrahydrofuran	7.847	42	357	0.226	ug/l #	20
30) Chloroform	7.971	83	1403	0.207	ug/l #	83
31) Cyclohexane	8.230	56	6331	1.076	ug/l #	48
36) 1,1-Dichloropropene	8.230	75	23217	4.281	ug/l #	47
38) Carbon Tetrachloride	8.230	117	29189	5.376	ug/l #	15
43) Isopropyl Acetate	8.753	43	5776	0.611	ug/l #	49
59) 2-Hexanone	11.200	43	923	0.240	ug/l #	59
71) Bromoform	12.853	173	1177	0.402	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.953	83	263	Below Cal	#	81
76) 1,2,3-Trichloropropane	12.853	75	116998	25.771	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	116998	74.775	ug/l #	15
95) Naphthalene	15.647	128	1846	0.351	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.853	180	452	0.220	ug/l #	44

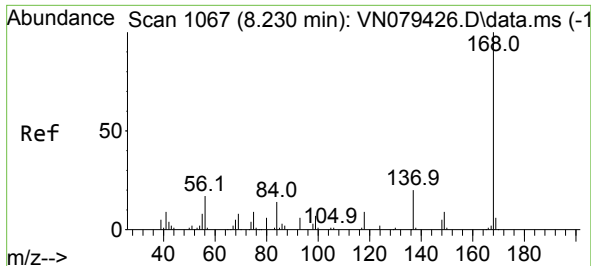
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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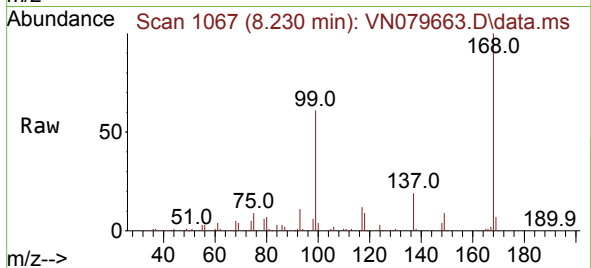
Quant Time: Oct 25 02:01:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



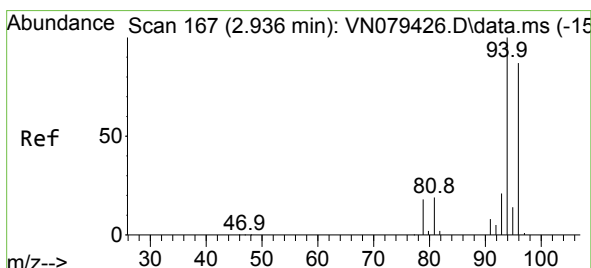
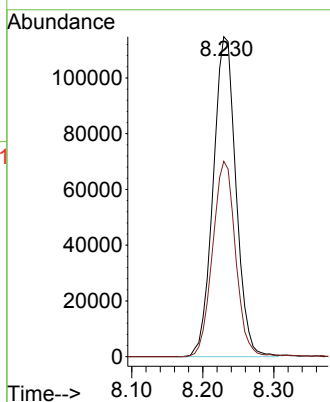
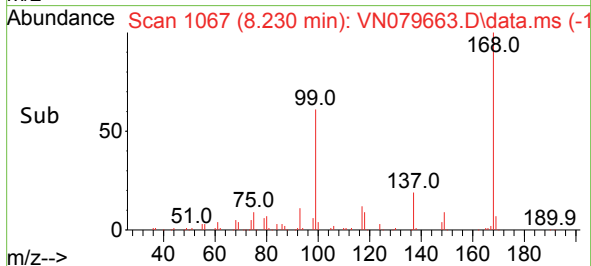


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

Instrument :
MSVOA_N
ClientSampleId :

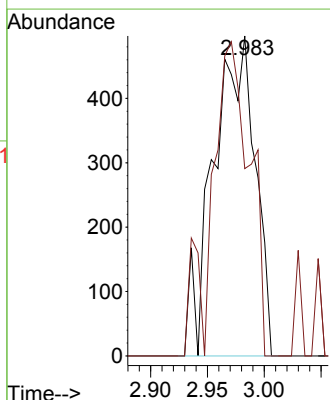
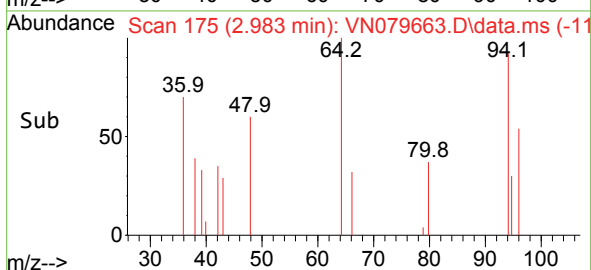
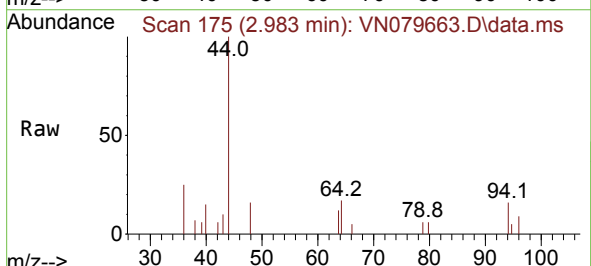


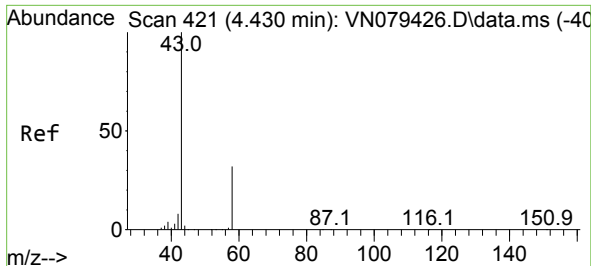
Tgt Ion:168 Resp: 255878
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#5
Bromomethane
Concen: 0.446 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.047 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

Tgt Ion: 94 Resp: 1270
Ion Ratio Lower Upper
94 100
96 58.6 73.1 109.7#

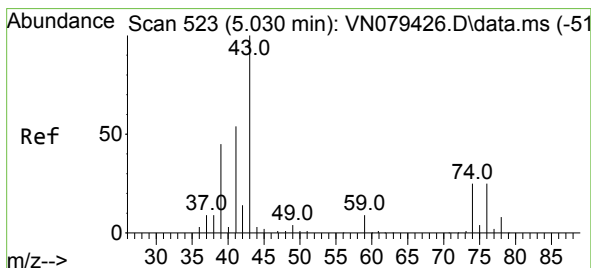
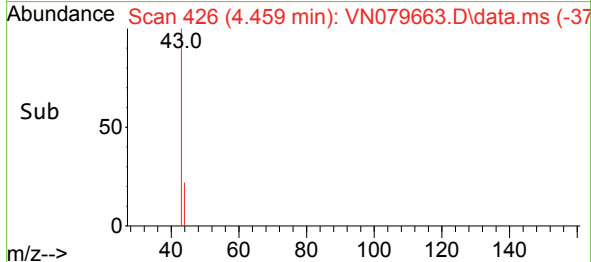
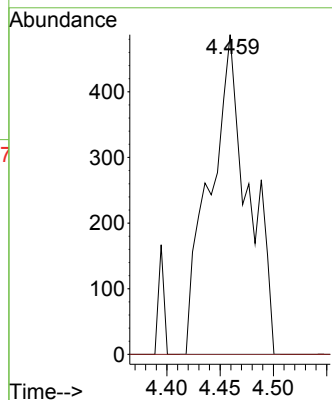
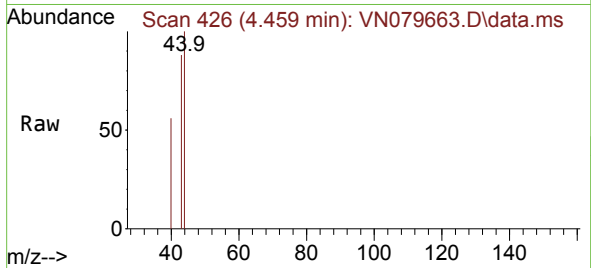




#16
Acetone
Concen: 0.741 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

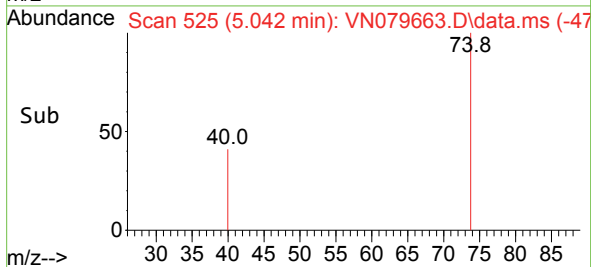
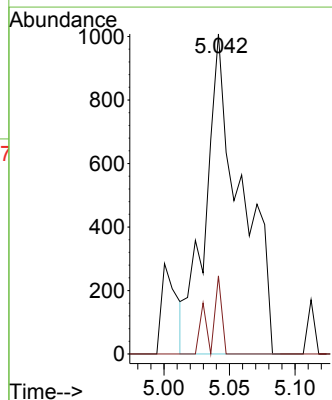
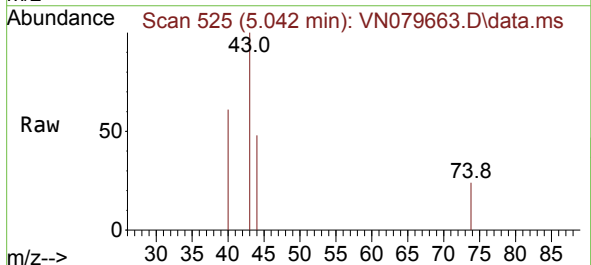
Instrument :
MSVOA_N
ClientSampleId :

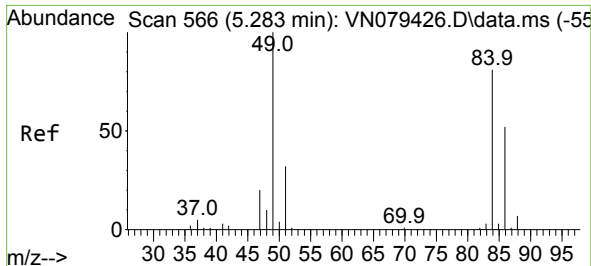
Tgt Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.237 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

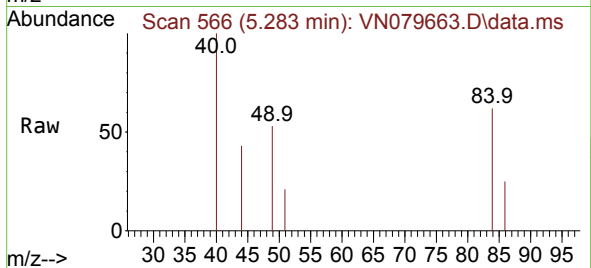
Tgt Ion: 43 Resp: 1909
Ion Ratio Lower Upper
43 100
74 7.5 26.2 39.4#





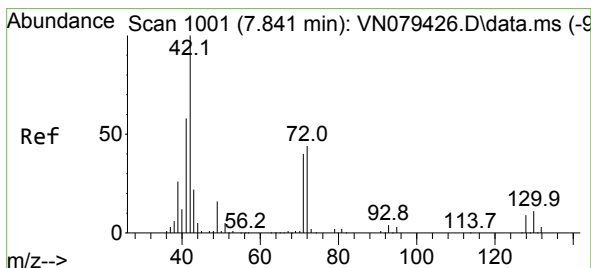
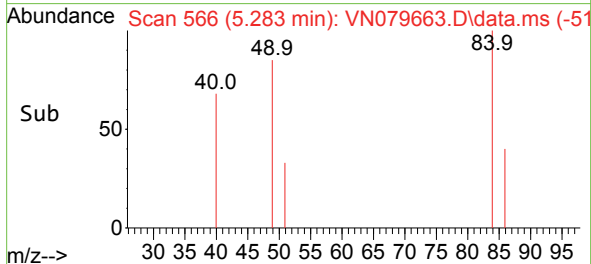
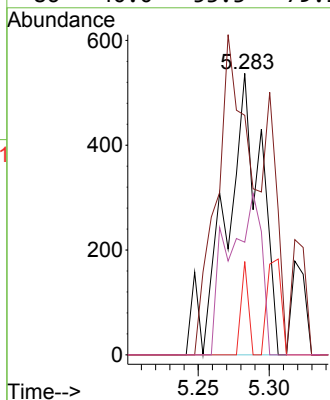
#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 930

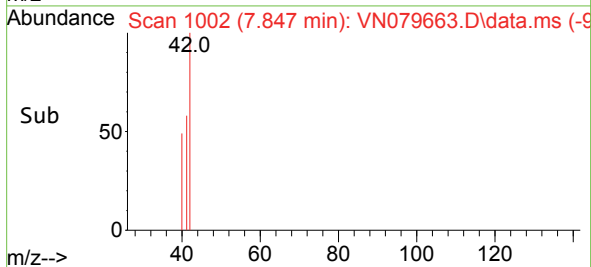
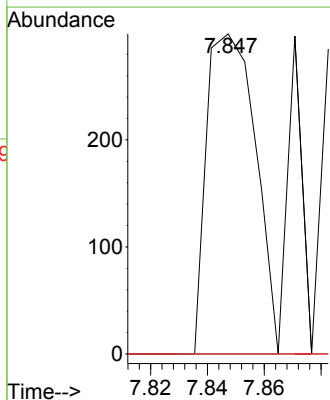
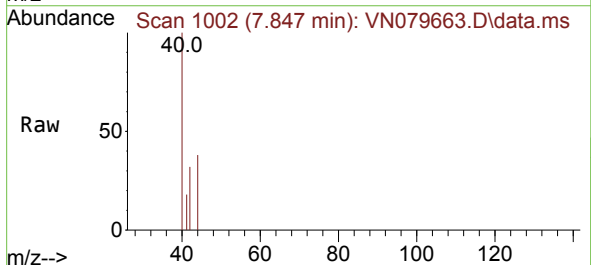
Ion	Ratio	Lower	Upper
84	100		
49	85.1	79.7	119.5
51	33.1	25.2	37.8
86	40.0	53.3	79.9#

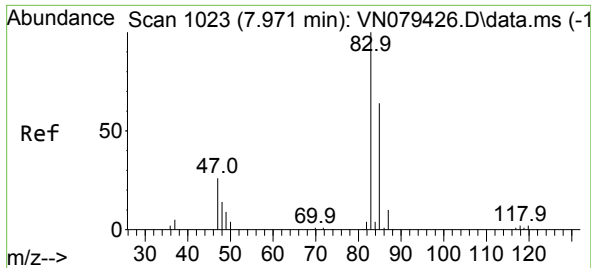


#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

Tgt Ion: 42 Resp: 357

Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#

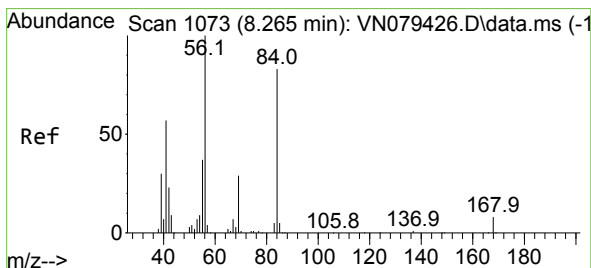
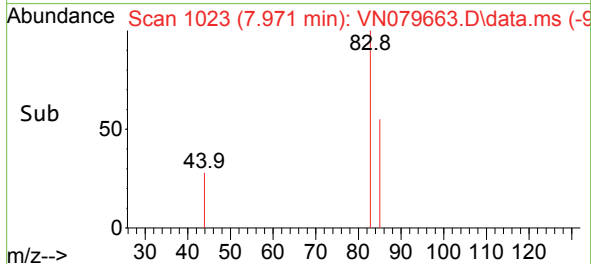
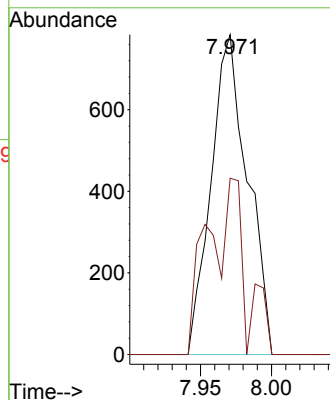
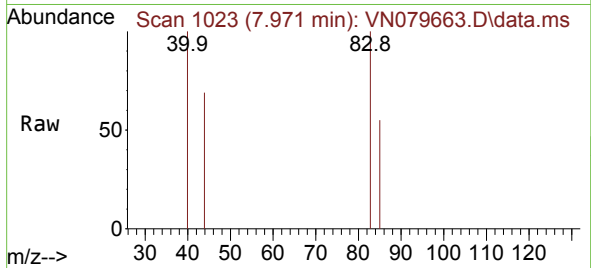




#30
Chloroform
Concen: 0.207 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

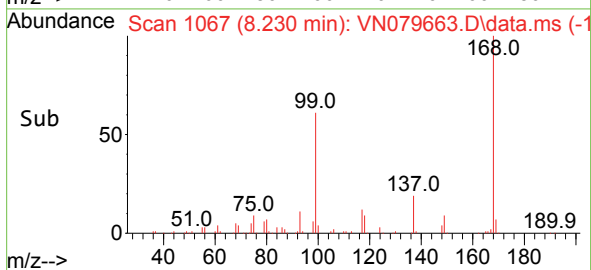
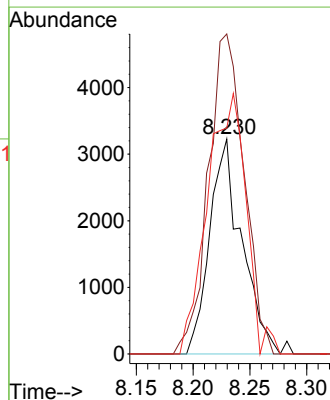
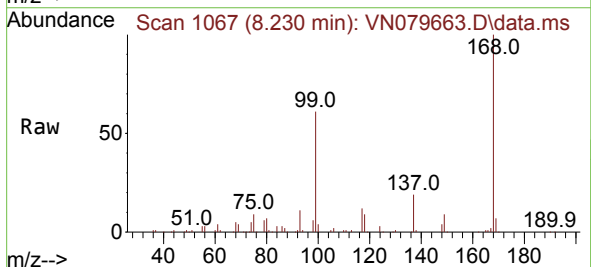
Instrument :
MSVOA_N
ClientSampleId :

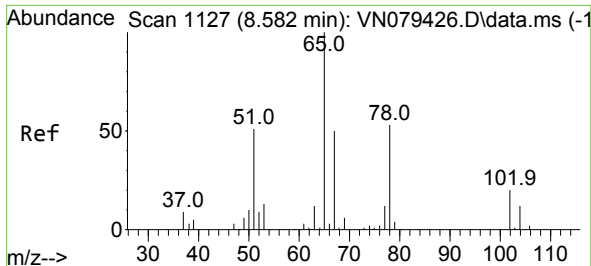
Tgt Ion: 83 Resp: 1403
Ion Ratio Lower Upper
83 100
85 55.1 55.4 83.0#



#31
Cyclohexane
Concen: 1.076 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

Tgt Ion: 56 Resp: 6331
Ion Ratio Lower Upper
56 100
69 148.9 26.8 40.2#
84 105.2 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.652 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079663.D

Acq: 24 Oct 2023 17:38

Instrument :

MSVOA_N

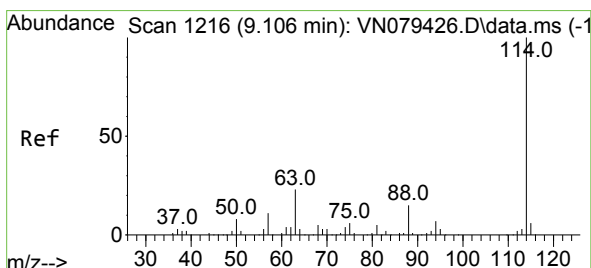
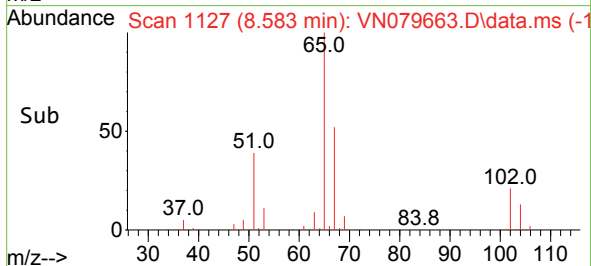
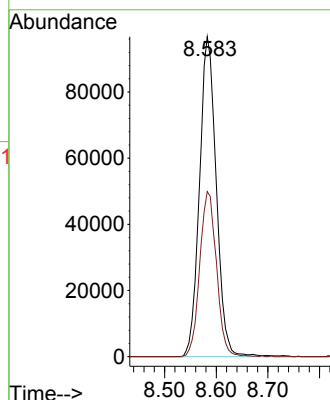
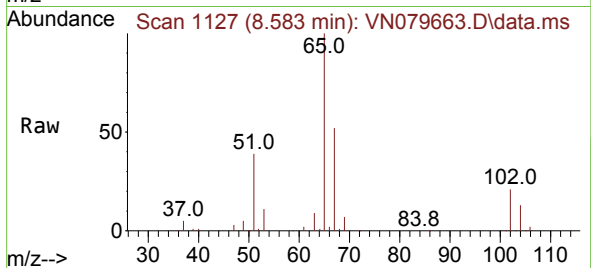
ClientSampleId :

Tgt Ion: 65 Resp: 218446

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079663.D

Acq: 24 Oct 2023 17:38

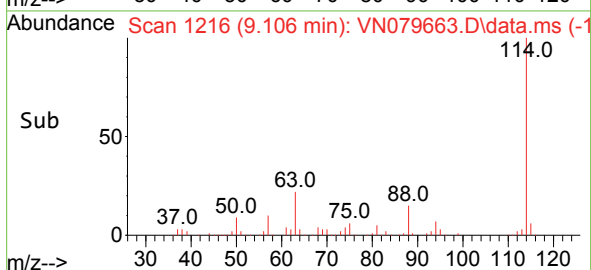
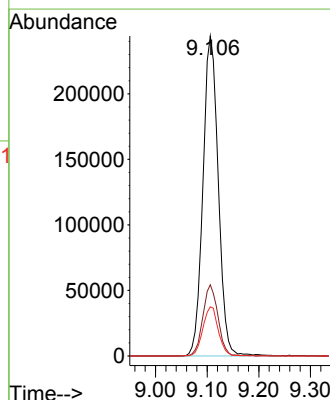
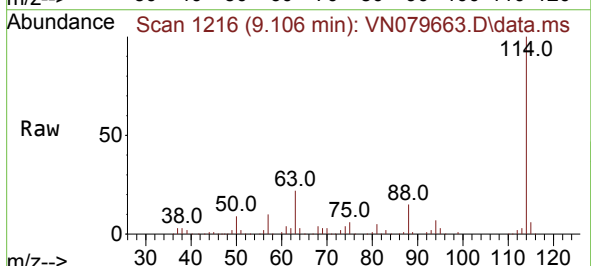
Tgt Ion: 114 Resp: 502804

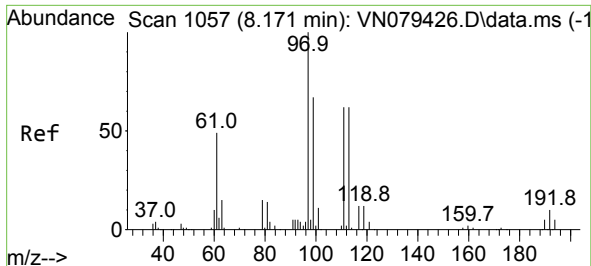
Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.224 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

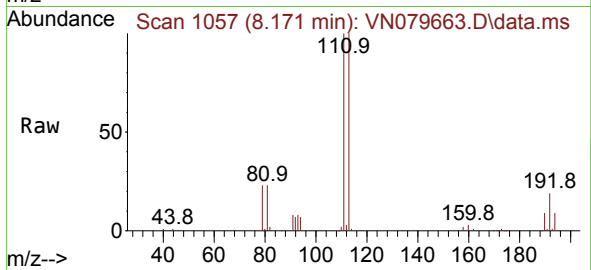
Lab File: VN079663.D

Acq: 24 Oct 2023 17:38

Instrument :

MSVOA_N

ClientSampleId :



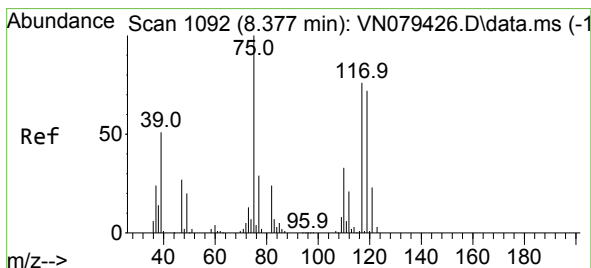
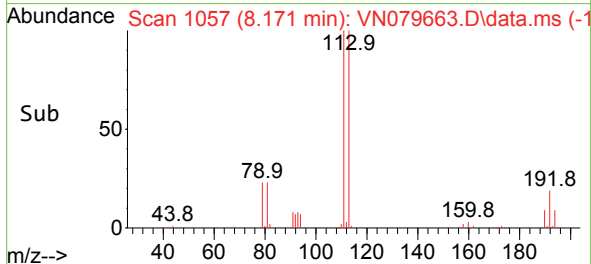
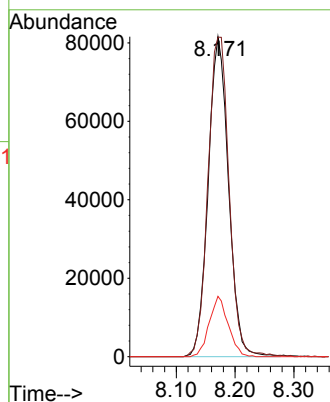
Tgt Ion:113 Resp: 195929

Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

192 17.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.281 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079663.D

Acq: 24 Oct 2023 17:38

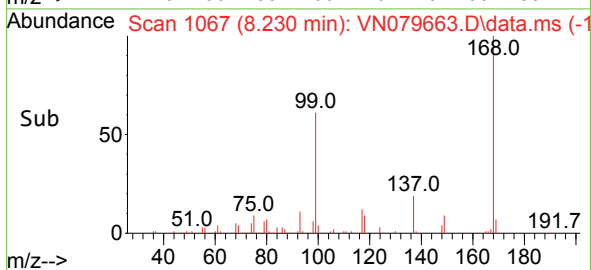
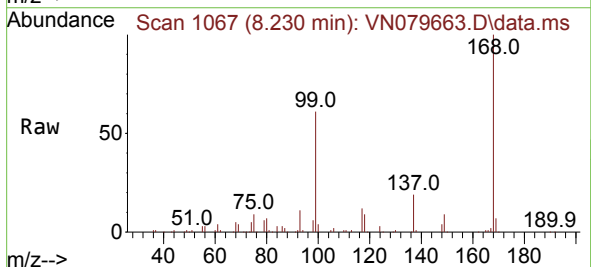
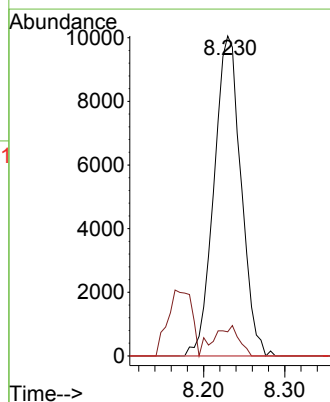
Tgt Ion: 75 Resp: 23217

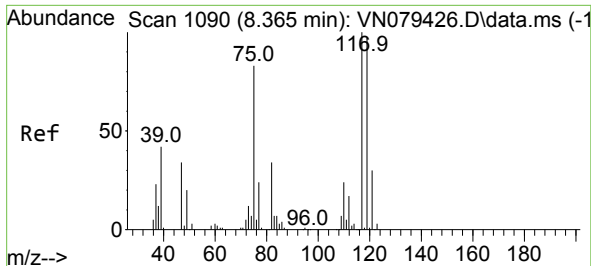
Ion Ratio Lower Upper

75 100

110 7.5 19.1 57.3#

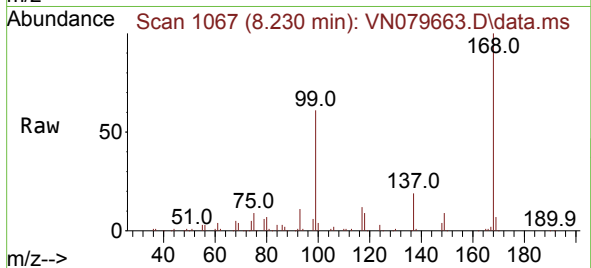
77 0.0 25.0 37.4#



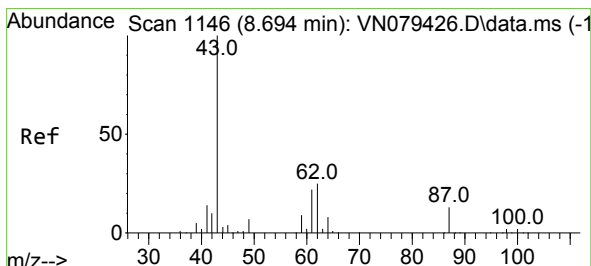
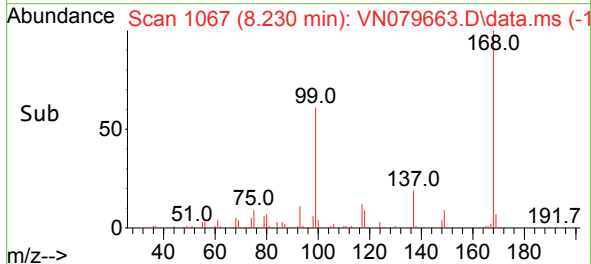
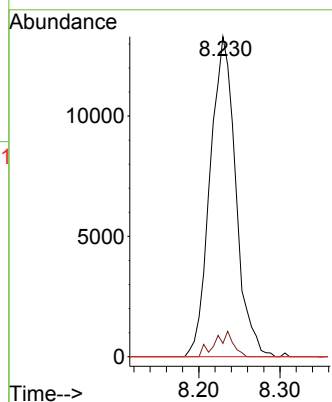


#38
Carbon Tetrachloride
Concen: 5.376 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

Instrument :
MSVOA_N
ClientSampleId :

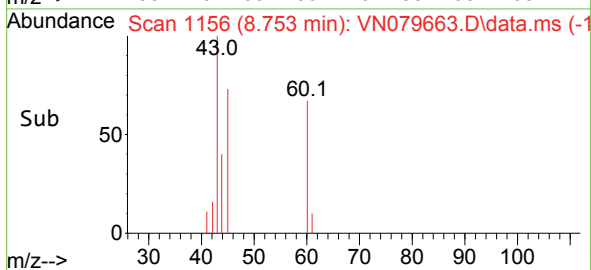
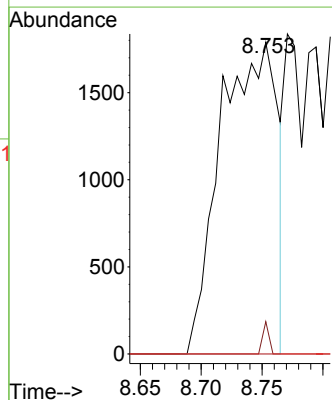
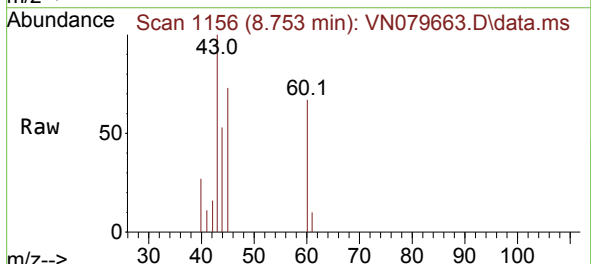


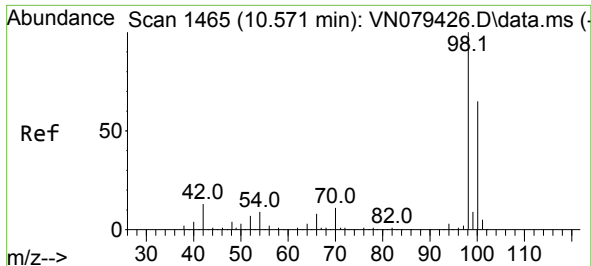
Tgt Ion:117 Resp: 29189
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.611 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.059 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

Tgt Ion: 43 Resp: 5776
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

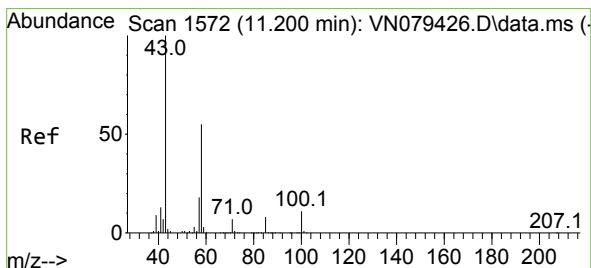
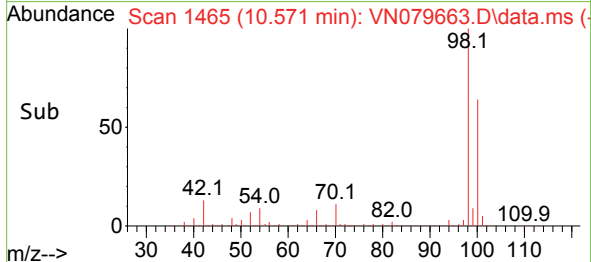
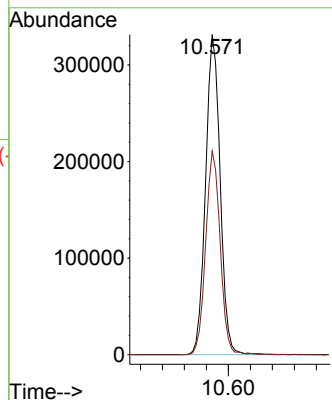
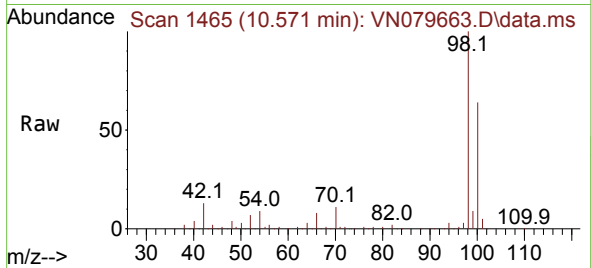




#50
Toluene-d8
Concen: 46.601 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

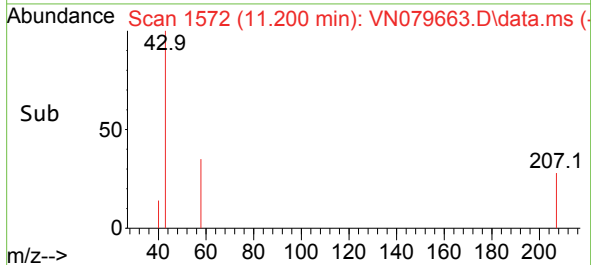
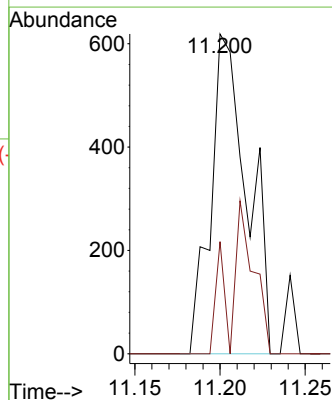
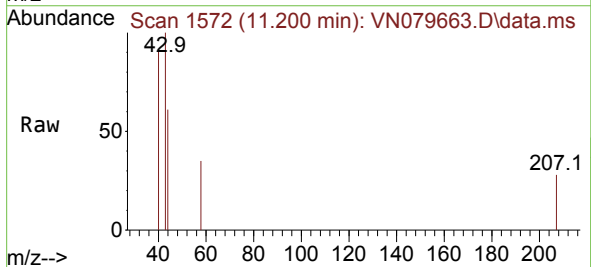
Instrument :
MSVOA_N
ClientSampleId :

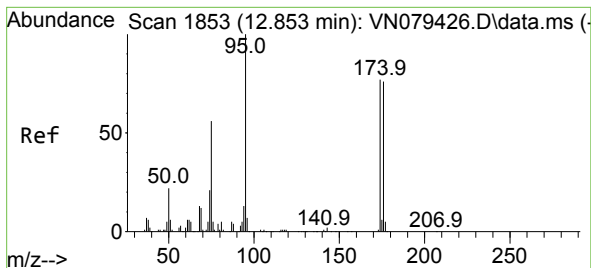
Tgt Ion: 98 Resp: 609261
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#59
2-Hexanone
Concen: 0.240 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
58 31.6 31.7 95.1#

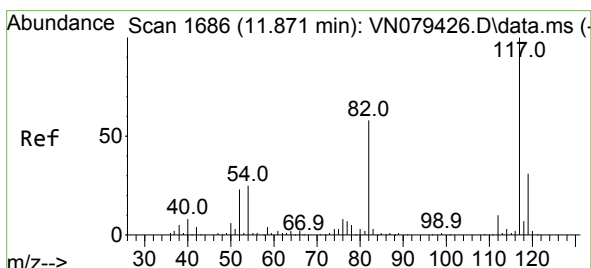
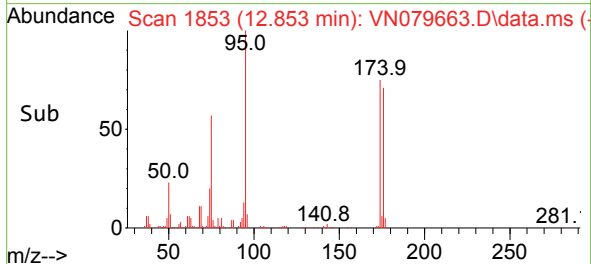
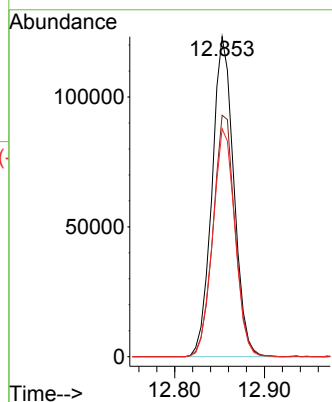
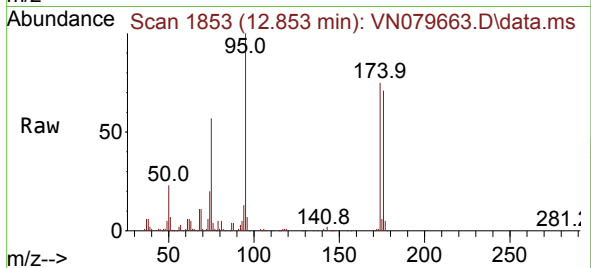




#62
4-Bromofluorobenzene
Concen: 49.349 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

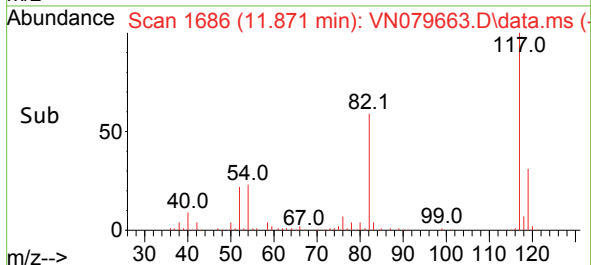
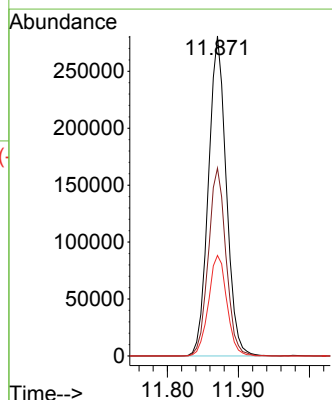
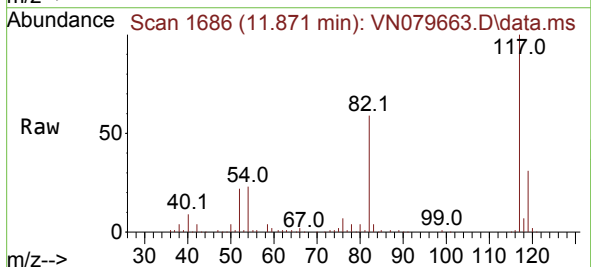
Instrument :
MSVOA_N
ClientSampleId :

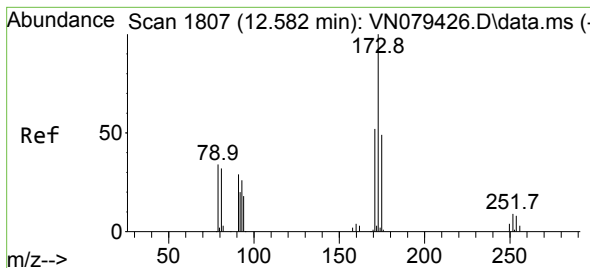
Tgt Ion: 95 Resp: 207057
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 72.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

Tgt Ion: 117 Resp: 490674
Ion Ratio Lower Upper
117 100
82 58.7 44.0 66.0
119 31.4 25.6 38.4





#71

Bromoform

Concen: 0.402 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

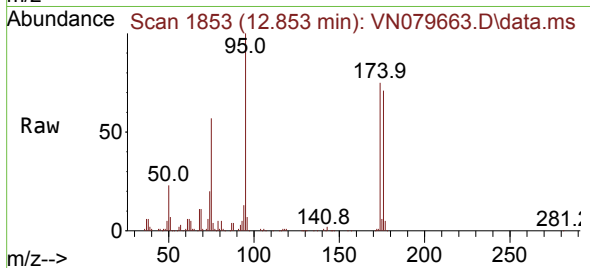
Lab File: VN079663.D

Acq: 24 Oct 2023 17:38

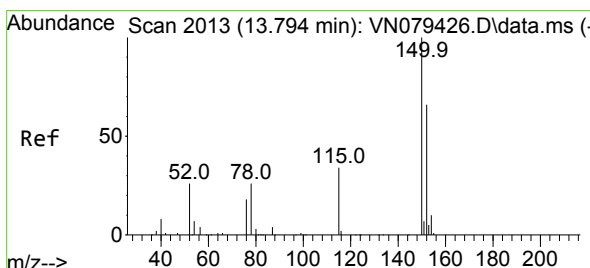
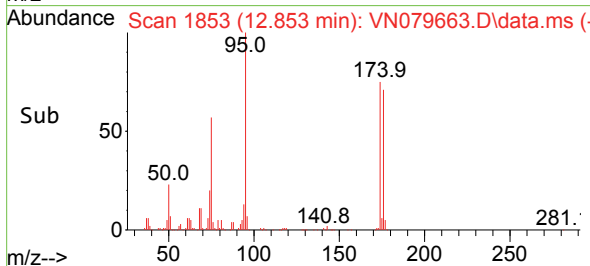
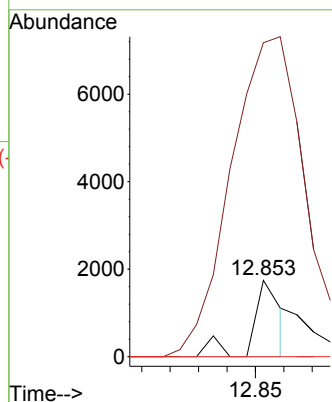
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1177
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

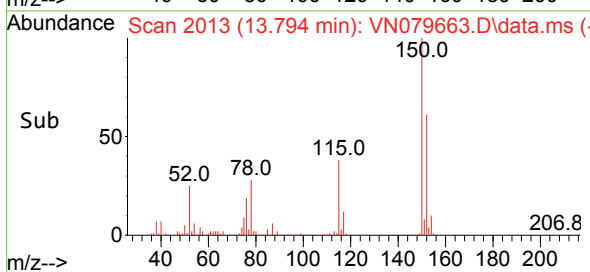
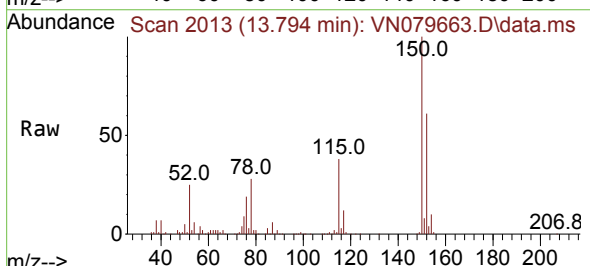
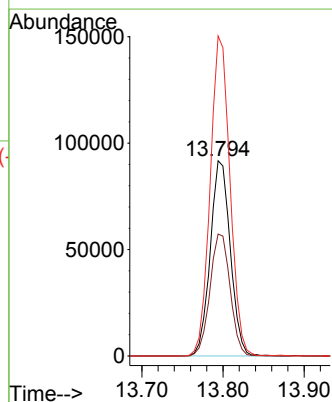
RT: 13.794 min Scan# 2013

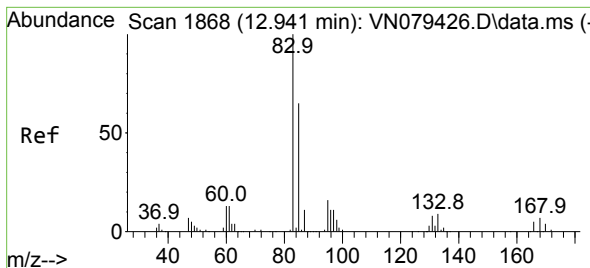
Delta R.T. 0.000 min

Lab File: VN079663.D

Acq: 24 Oct 2023 17:38

Tgt Ion:	152	Resp:	157459
Ion Ratio	Lower	Upper	
152	100		
115	62.7	32.3	96.8
150	161.6	0.0	355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.953 min Scan# 1853

Delta R.T. 0.012 min

Lab File: VN079663.D

Acq: 24 Oct 2023 17:38

Instrument :

MSVOA_N

ClientSampleId :

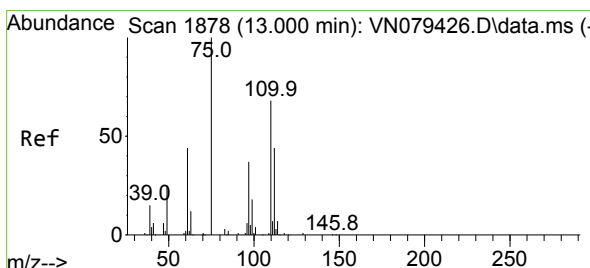
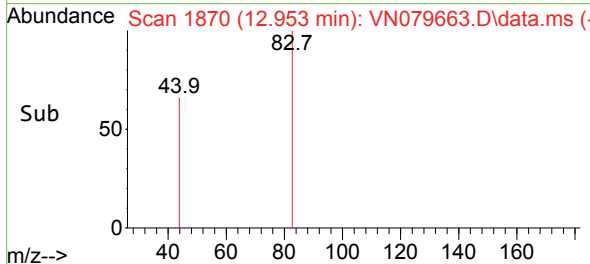
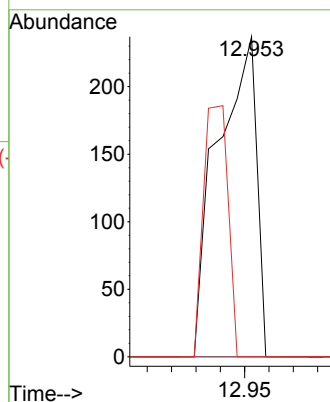
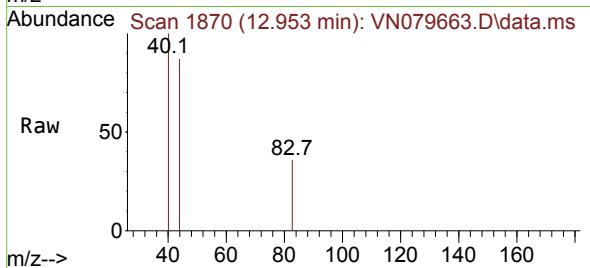
Tgt Ion: 83 Resp: 263

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 49.8 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 25.771 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079663.D

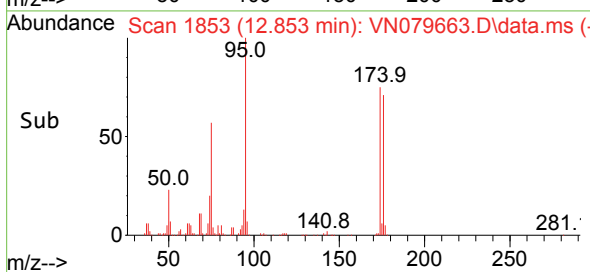
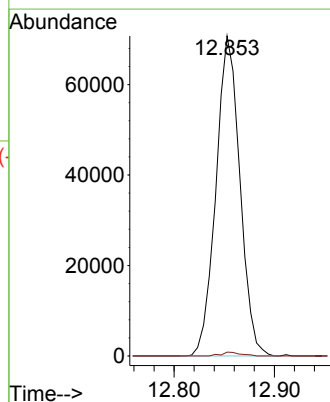
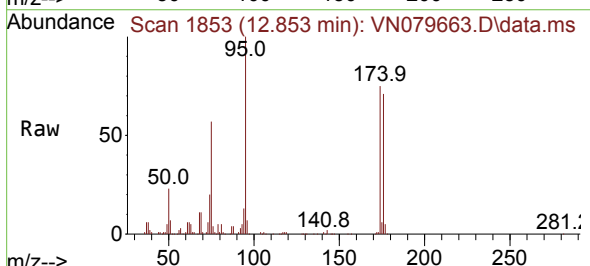
Acq: 24 Oct 2023 17:38

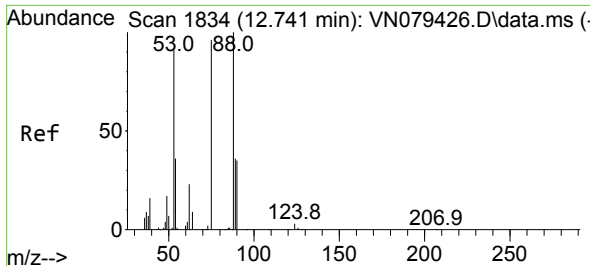
Tgt Ion: 75 Resp: 116998

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#

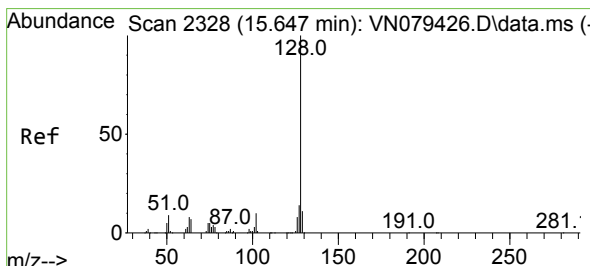
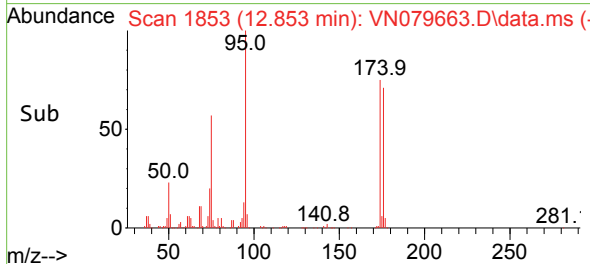
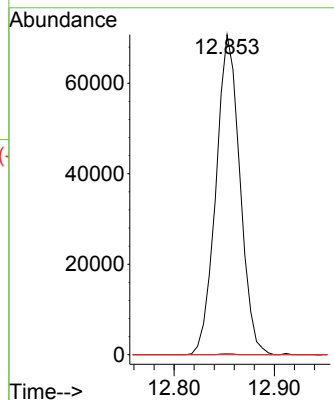
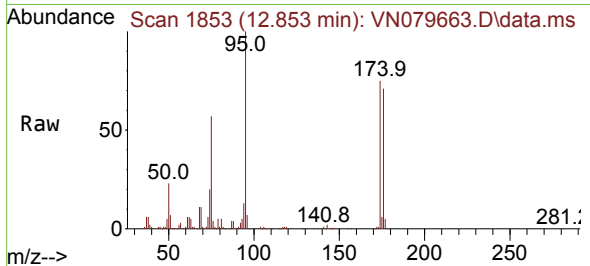




#81
trans-1,4-Dichloro-2-butene
Concen: 74.775 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

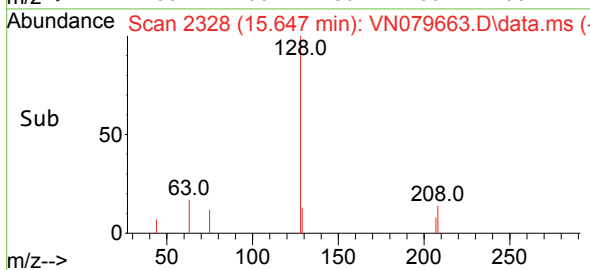
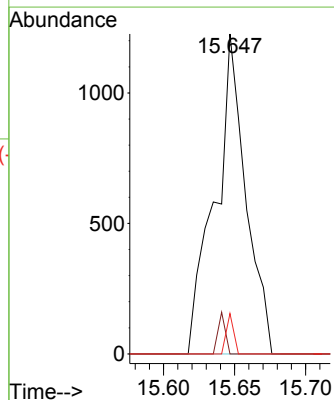
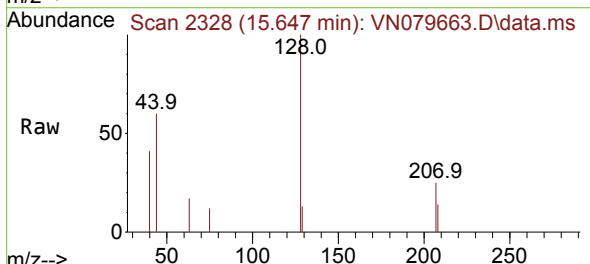
Instrument :
MSVOA_N
ClientSampleId :

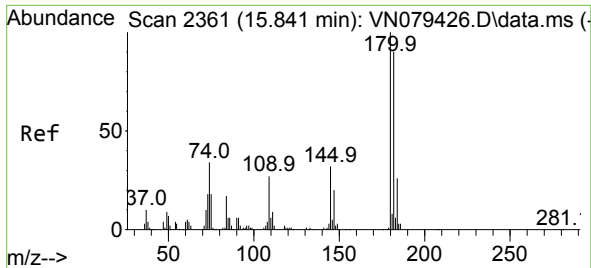
Tgt Ion: 75 Resp: 116998
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.351 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079663.D
Acq: 24 Oct 2023 17:38

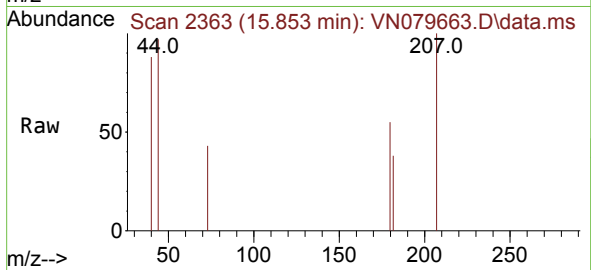
Tgt Ion:128 Resp: 1846
Ion Ratio Lower Upper
128 100
127 3.0 10.0 15.0#
129 3.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.220 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN079663.D
 Acq: 24 Oct 2023 17:38

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	32.1	46.2	138.6#
145	13.7	17.5	52.6#

