

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079727.D
 Acq On : 30 Oct 2023 16:59
 Operator : JC\MD
 Sample : VN1030WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 31 07:31:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	274665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	505390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	428530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	115053	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	234333	53.127	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.260%
35) Dibromofluoromethane	8.171	113	180918	50.098	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.200%
50) Toluene-d8	10.570	98	634215	47.111	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.220%
62) 4-Bromofluorobenzene	12.853	95	159664	37.662	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	75.320%#

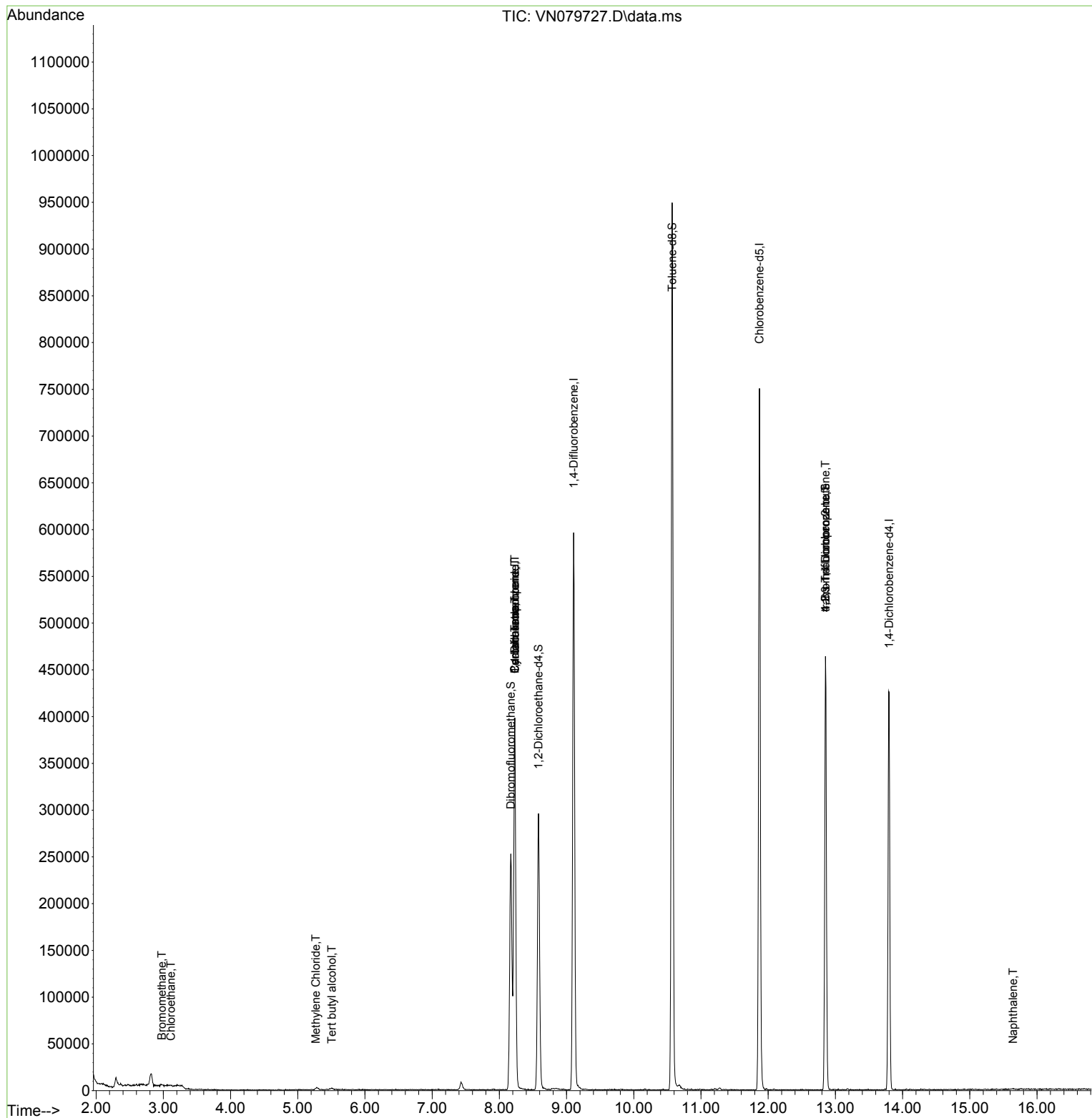
Target Compounds					Qvalue	
5) Bromomethane	2.977	94	908	0.292	ug/l #	61
6) Chloroethane	3.112	64	900	0.260	ug/l #	43
11) Tert butyl alcohol	5.506	59	315	0.538	ug/l #	72
20) Methylene Chloride	5.271	84	1262	0.338	ug/l #	88
31) Cyclohexane	8.229	56	7510	1.248	ug/l #	61
36) 1,1-Dichloropropene	8.229	75	25317	4.726	ug/l #	47
38) Carbon Tetrachloride	8.229	117	30932	5.790	ug/l #	16
76) 1,2,3-Trichloropropane	12.853	75	87751	28.088	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	87751	84.726	ug/l #	15
95) Naphthalene	15.647	128	1063	0.305	ug/l #	70

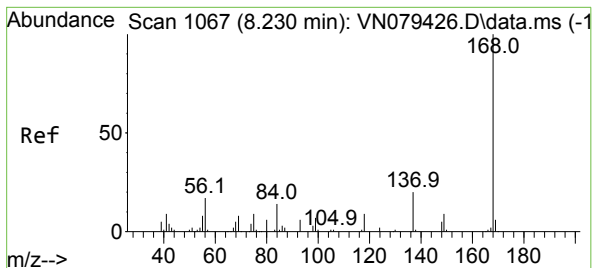
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 31 07:31:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 31 07:23:24 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN079727.D

Acq: 30 Oct 2023 16:59

Instrument :

MSVOA_N

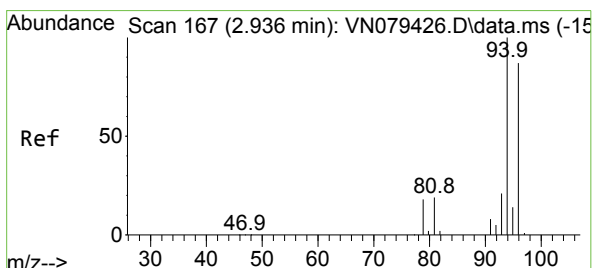
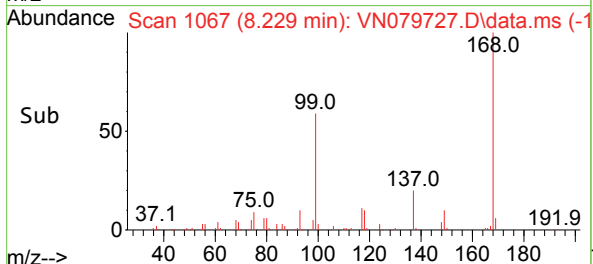
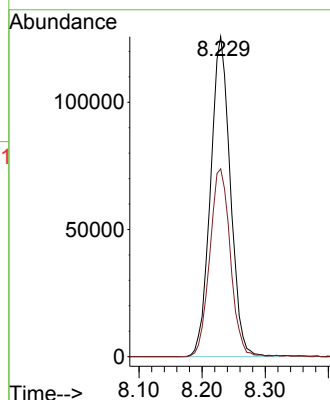
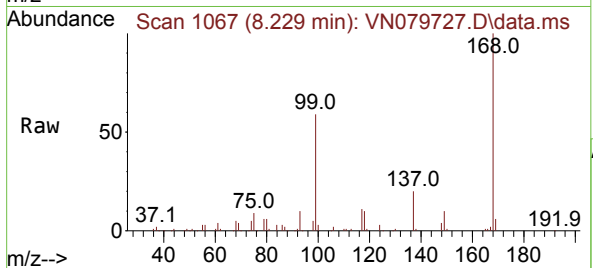
ClientSampleId :

Tgt Ion:168 Resp: 274665

Ion Ratio Lower Upper

168 100

99 58.7 53.0 79.6



#5

Bromomethane

Concen: 0.292 ug/l

RT: 2.977 min Scan# 174

Delta R.T. 0.041 min

Lab File: VN079727.D

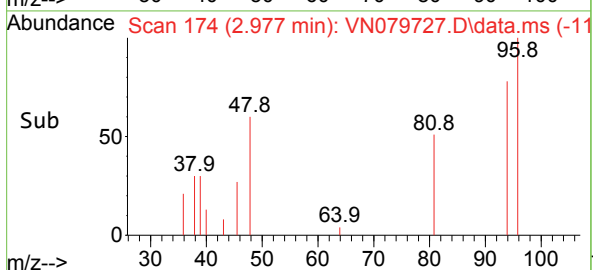
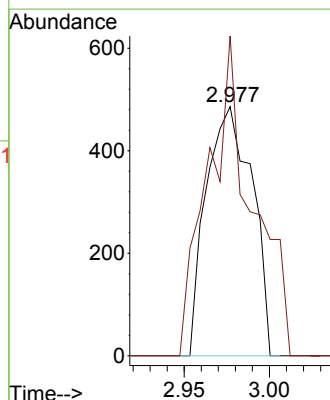
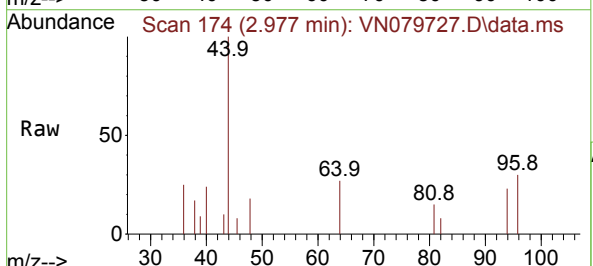
Acq: 30 Oct 2023 16:59

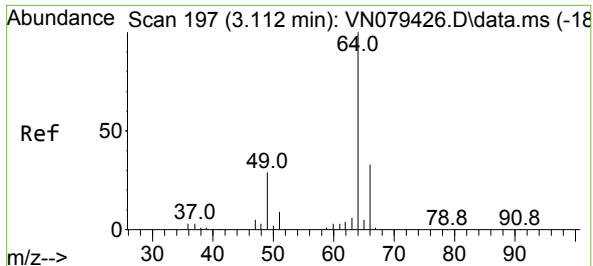
Tgt Ion: 94 Resp: 908

Ion Ratio Lower Upper

94 100

96 128.4 73.1 109.7#

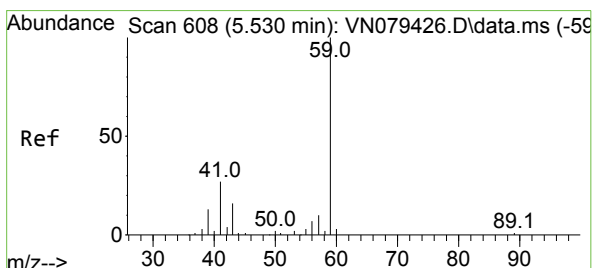
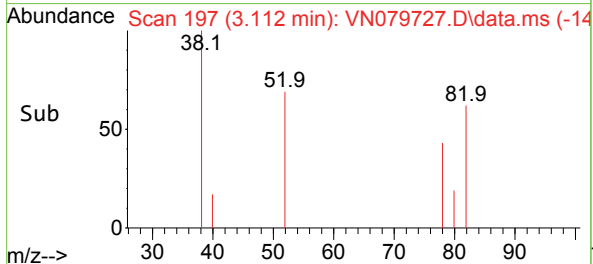
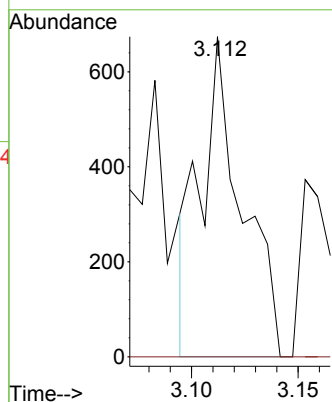
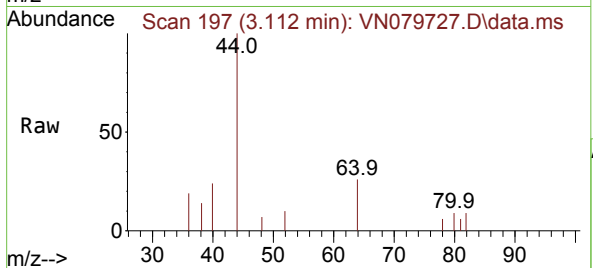




#6
Chloroethane
Concen: 0.260 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079727.D
Acq: 30 Oct 2023 16:59

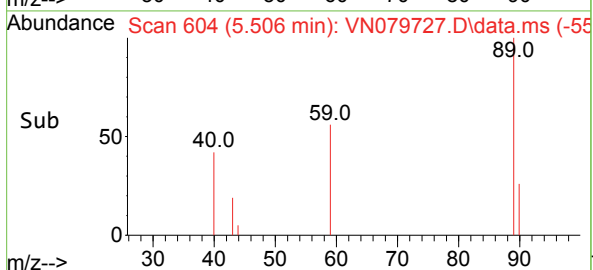
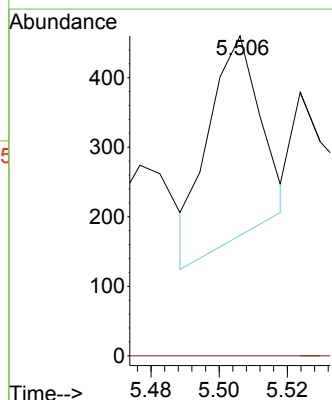
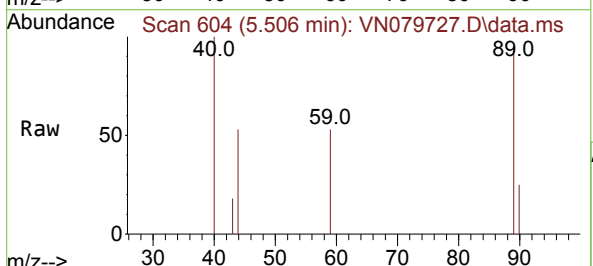
Instrument :
MSVOA_N
ClientSampleId :

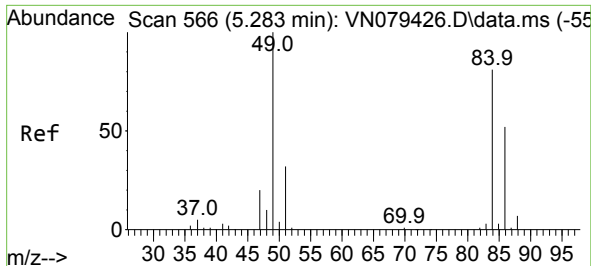
Tgt Ion: 64 Resp: 900
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.538 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.024 min
Lab File: VN079727.D
Acq: 30 Oct 2023 16:59

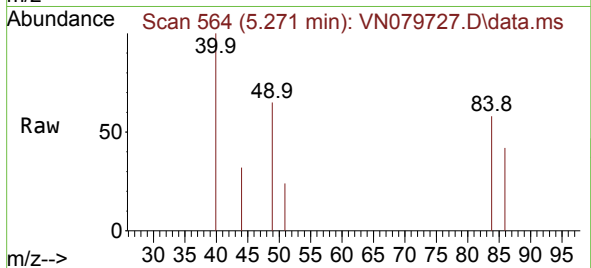
Tgt Ion: 59 Resp: 315
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



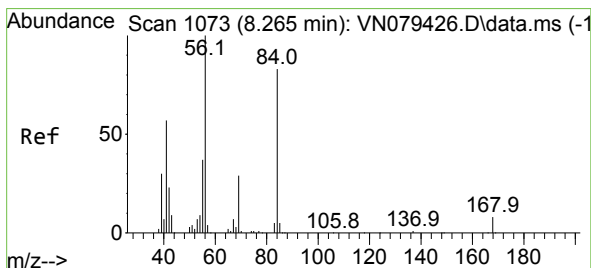
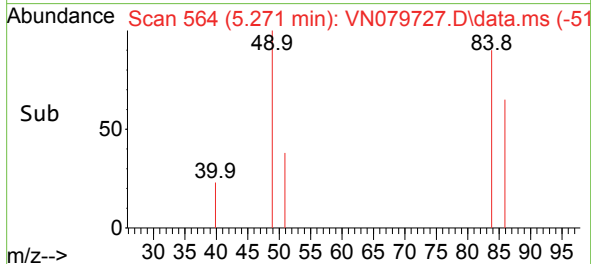
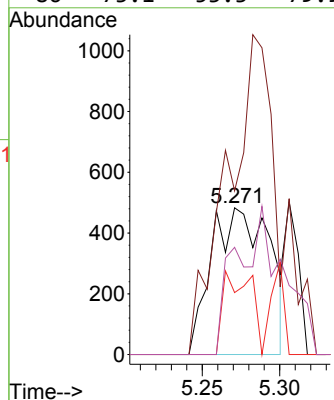


#20
Methylene Chloride
Concen: 0.338 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079727.D
Acq: 30 Oct 2023 16:59

Instrument :
MSVOA_N
ClientSampleId :

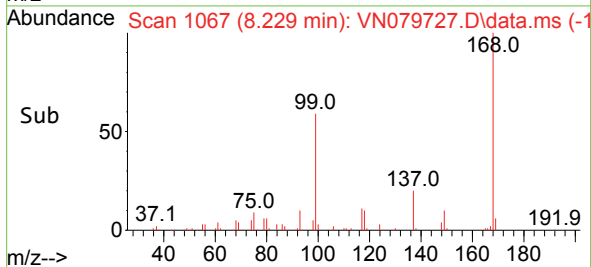
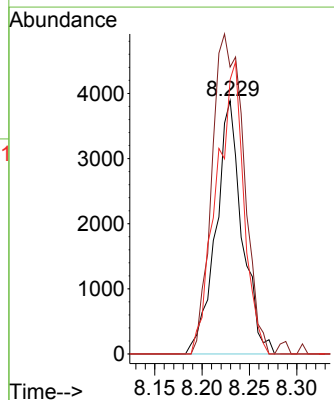
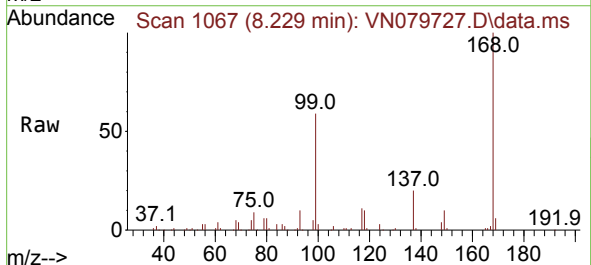


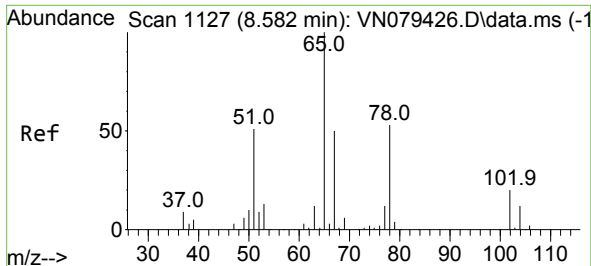
Tgt Ion:	84	Resp:	1262
Ion	Ratio	Lower	Upper
84	100		
49	111.6	79.7	119.5
51	42.2	25.2	37.8#
86	73.1	53.3	79.9



#31
Cyclohexane
Concen: 1.248 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN079727.D
Acq: 30 Oct 2023 16:59

Tgt Ion:	56	Resp:	7510
Ion	Ratio	Lower	Upper
56	100		
69	113.3	26.8	40.2#
84	108.3	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 53.127 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079727.D

Acq: 30 Oct 2023 16:59

Instrument :

MSVOA_N

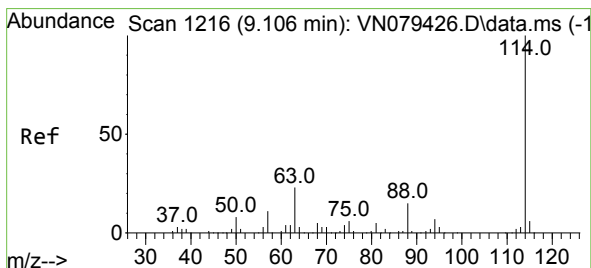
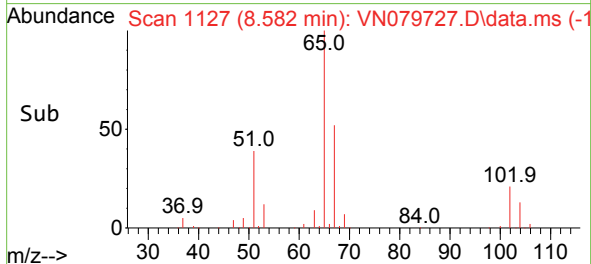
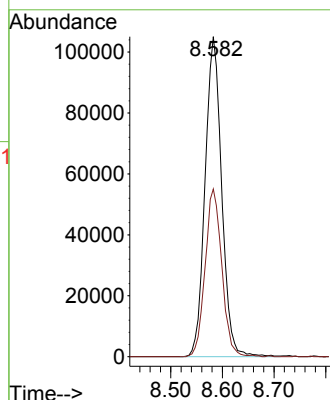
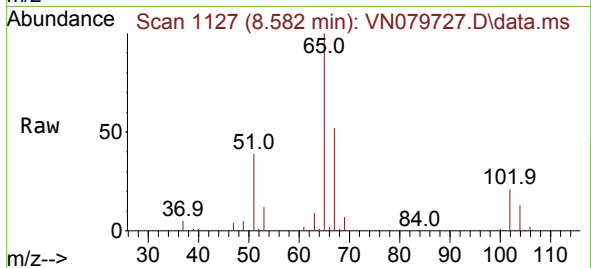
ClientSampleId :

Tgt Ion: 65 Resp: 234333

Ion Ratio Lower Upper

65 100

67 52.6 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: VN079727.D

Acq: 30 Oct 2023 16:59

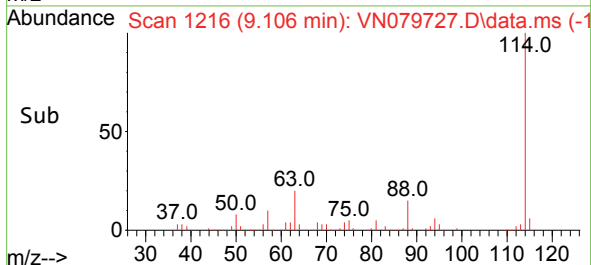
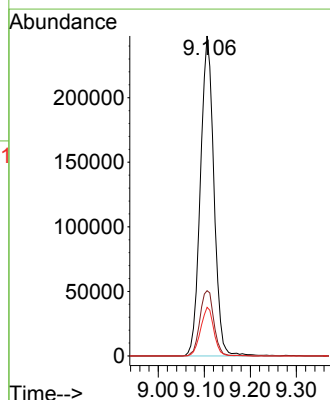
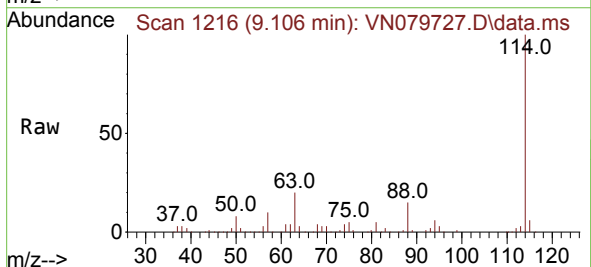
Tgt Ion: 114 Resp: 505390

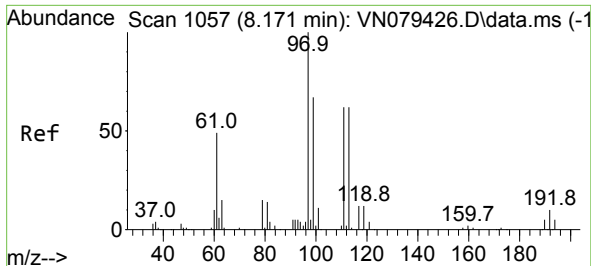
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

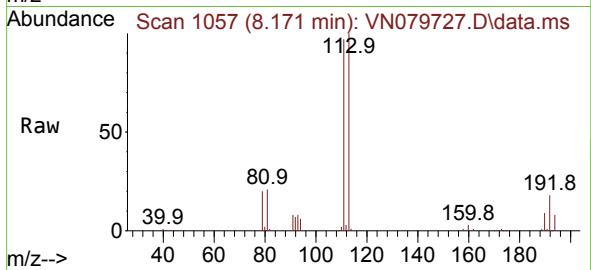
88 15.2 0.0 30.6



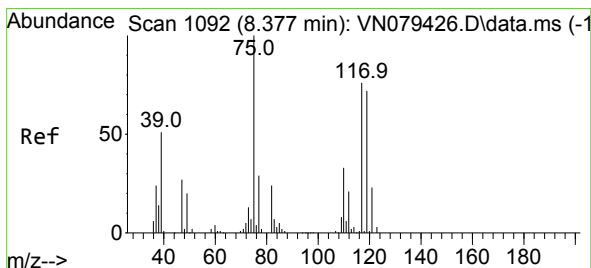
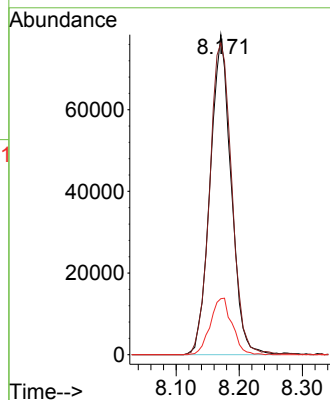
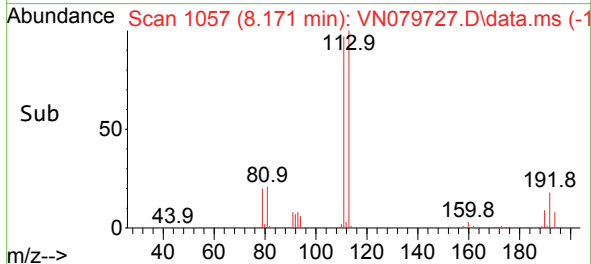


#35
Dibromofluoromethane
Concen: 50.098 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079727.D
Acq: 30 Oct 2023 16:59

Instrument :
MSVOA_N
ClientSampleId :

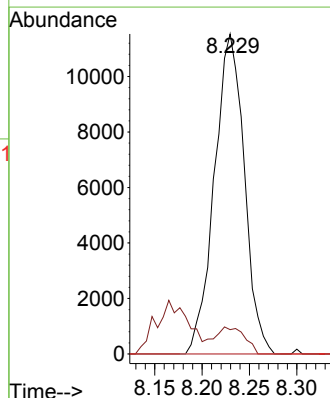
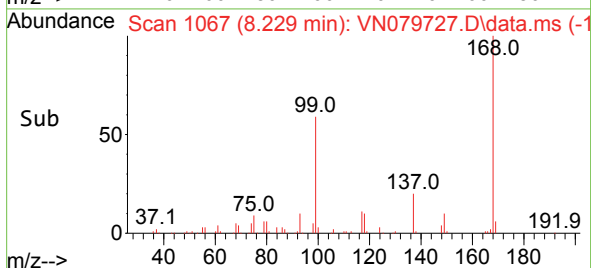
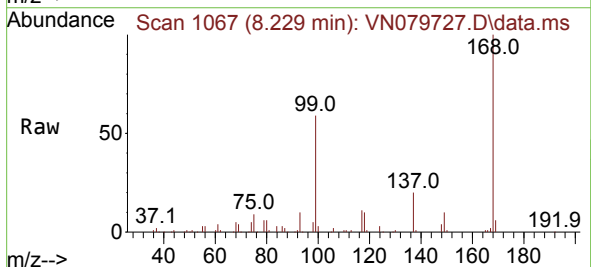


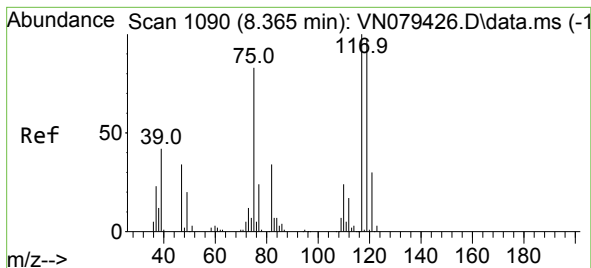
Tgt Ion:113 Resp: 180918
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 18.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.726 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN079727.D
Acq: 30 Oct 2023 16:59

Tgt Ion: 75 Resp: 25317
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.790 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.136 min

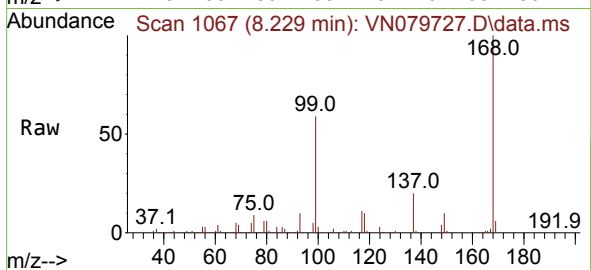
Lab File: VN079727.D

Acq: 30 Oct 2023 16:59

Instrument :

MSVOA_N

ClientSampleId :



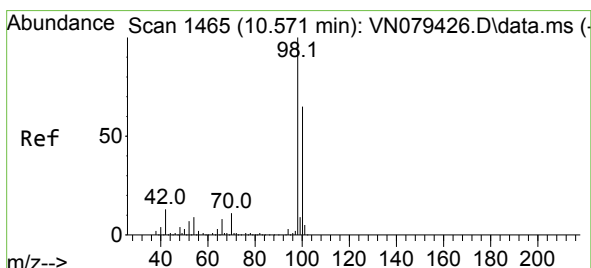
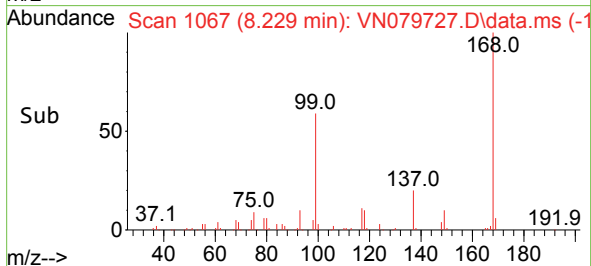
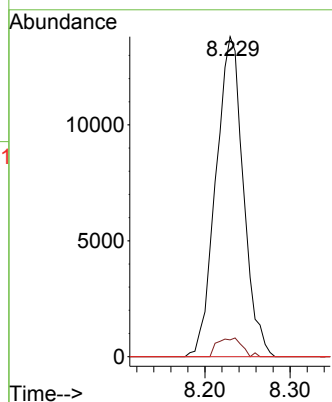
Tgt Ion:117 Resp: 30932

Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 47.111 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.001 min

Lab File: VN079727.D

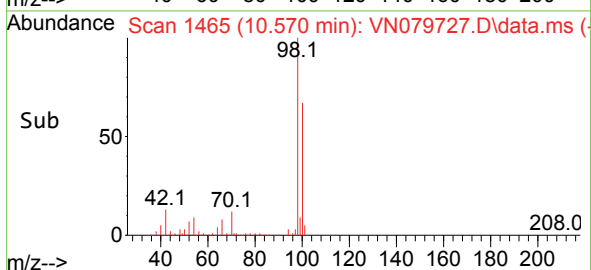
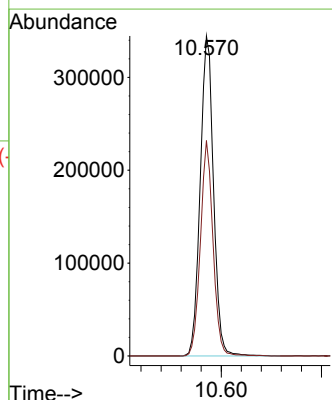
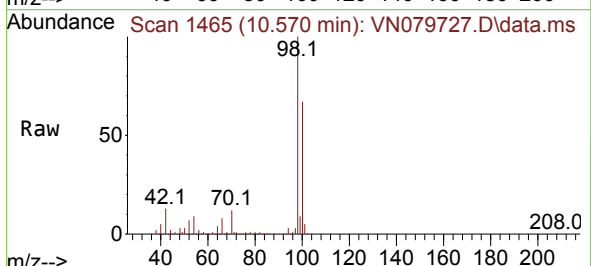
Acq: 30 Oct 2023 16:59

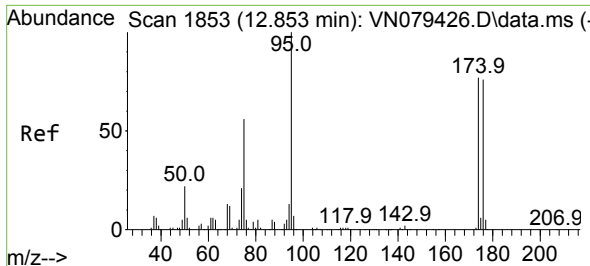
Tgt Ion: 98 Resp: 634215

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0

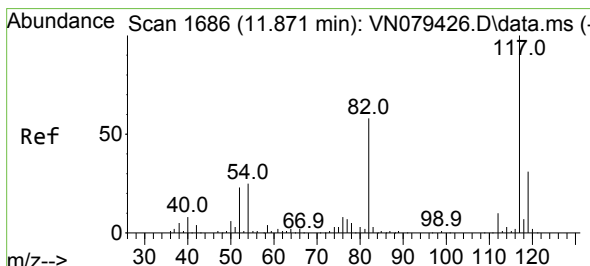
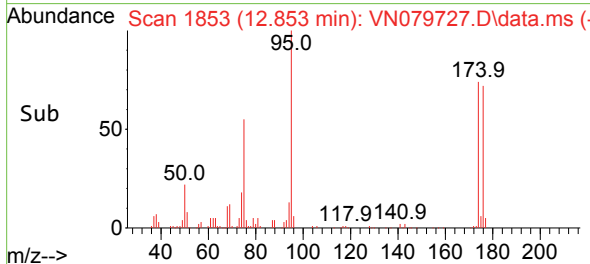
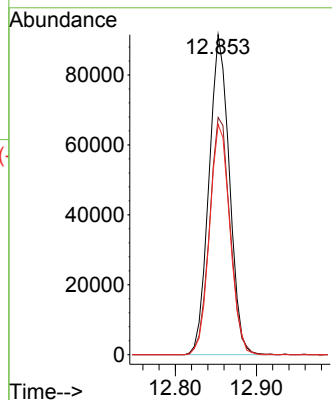
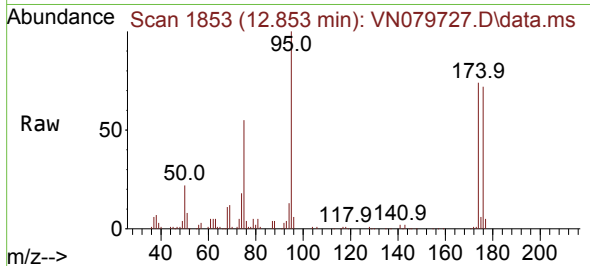




#62
4-Bromofluorobenzene
Concen: 37.662 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079727.D
Acq: 30 Oct 2023 16:59

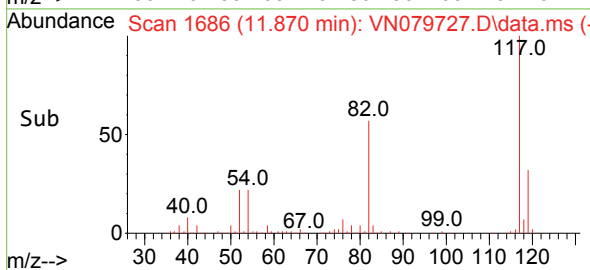
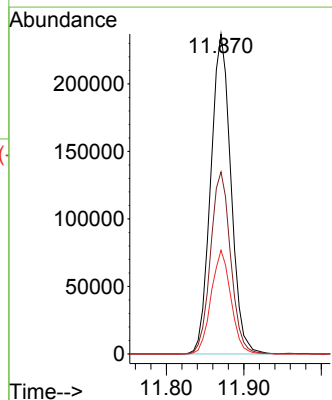
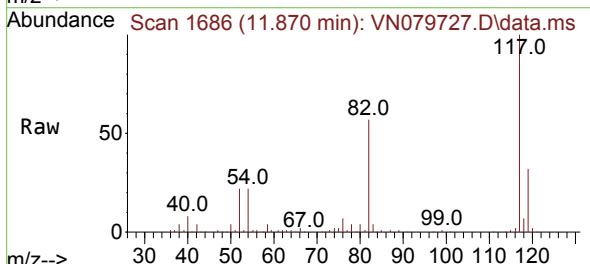
Instrument :
MSVOA_N
ClientSampleId :

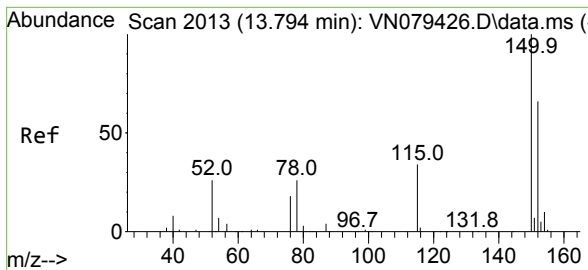
Tgt Ion: 95 Resp: 159664
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 71.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079727.D
Acq: 30 Oct 2023 16:59

Tgt Ion: 117 Resp: 428530
Ion Ratio Lower Upper
117 100
82 56.9 44.0 66.0
119 32.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN079727.D

Acq: 30 Oct 2023 16:59

Instrument :

MSVOA_N

ClientSampleId :

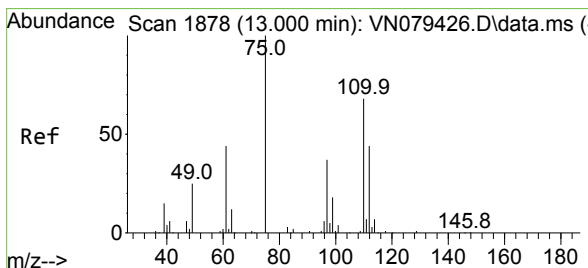
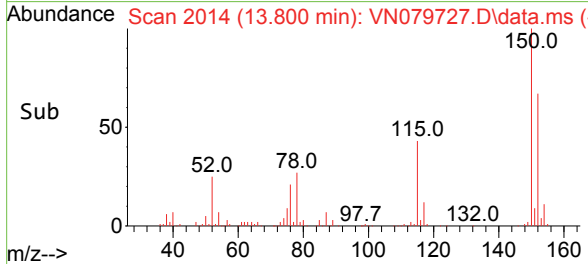
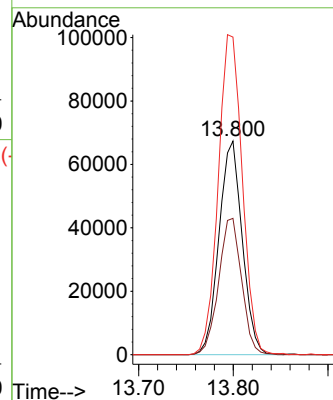
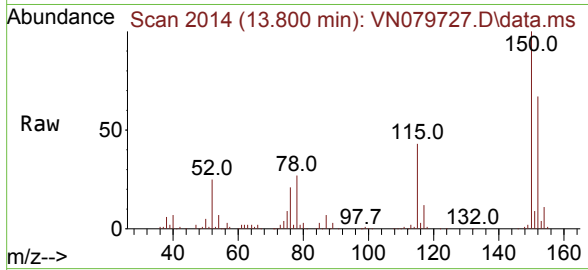
Tgt Ion:152 Resp: 115053

Ion Ratio Lower Upper

152 100

115 63.0 32.3 96.8

150 155.3 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 28.088 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079727.D

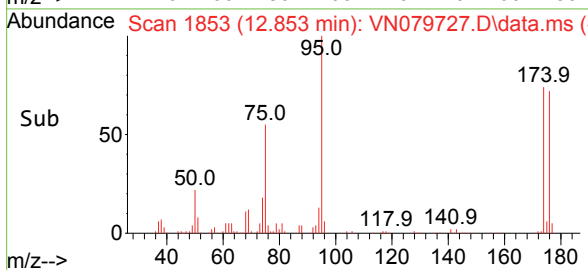
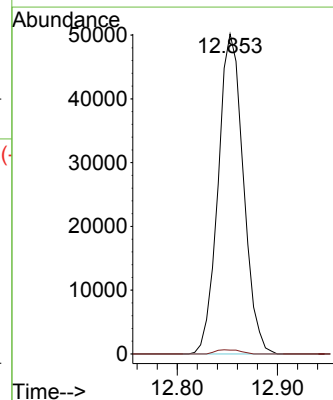
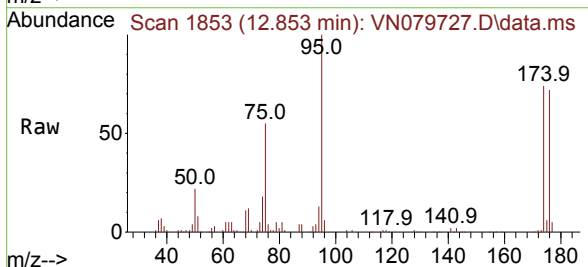
Acq: 30 Oct 2023 16:59

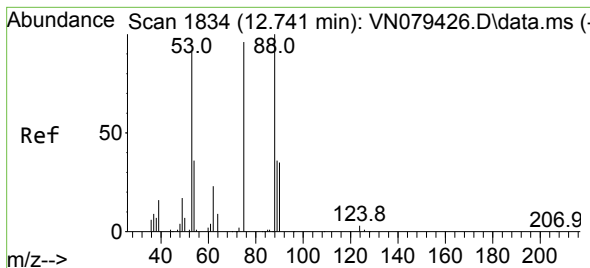
Tgt Ion: 75 Resp: 87751

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#

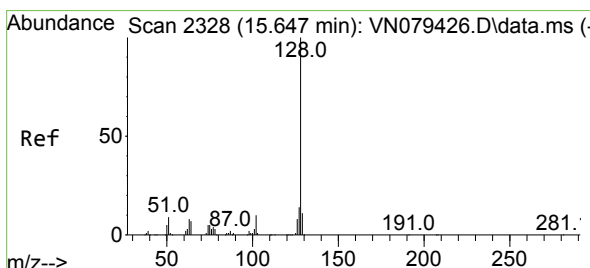
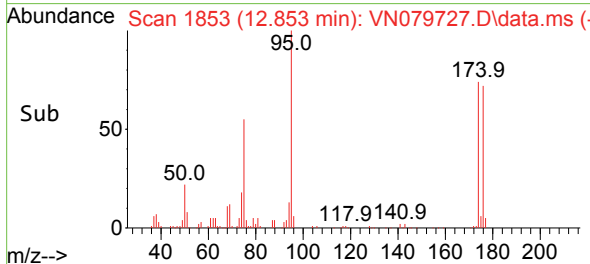
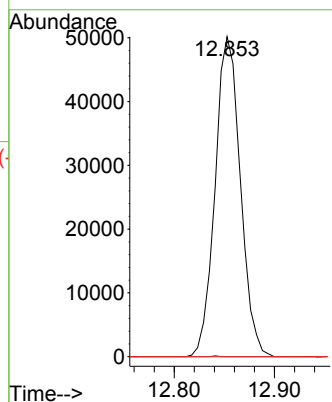
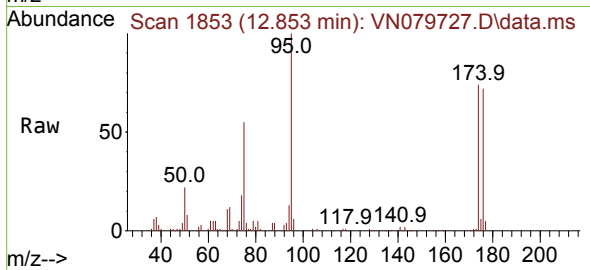




#81
trans-1,4-Dichloro-2-butene
Concen: 84.726 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079727.D
Acq: 30 Oct 2023 16:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 87751
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.305 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079727.D
Acq: 30 Oct 2023 16:59

Tgt Ion: 128 Resp: 1063
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

