

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111023\
 Data File : VN080047.D
 Acq On : 10 Nov 2023 12:48
 Operator : JC\MD
 Sample : 05325-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 23:56:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

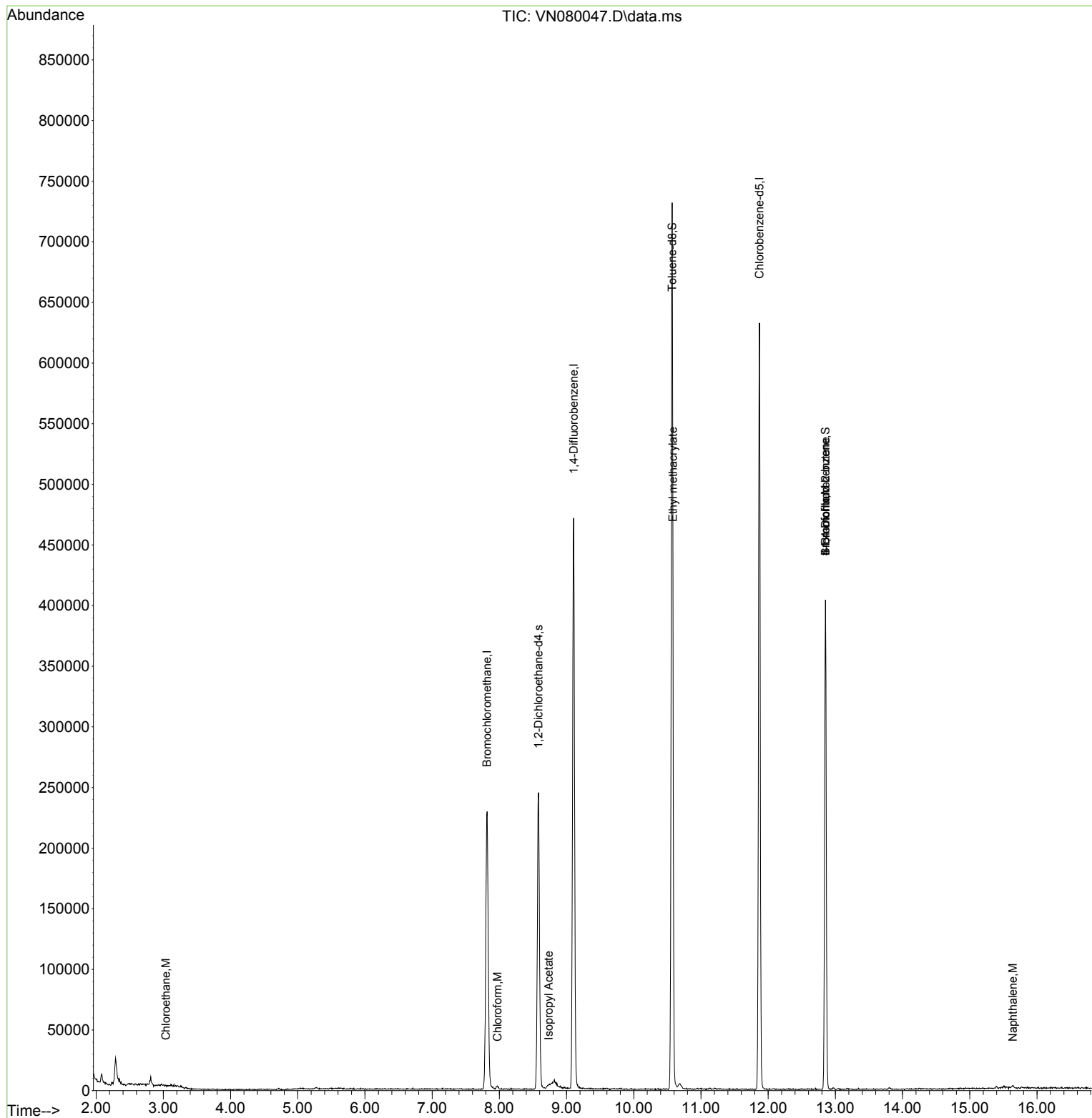
Internal Standards						
1) Bromochloromethane	7.818	128	78109	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	394070	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	356439	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	200327	30.553	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.833%
60) 4-Bromofluorobenzene	12.853	95	139614	24.494	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.633%
63) Toluene-d8	10.571	98	488056	28.898	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.333%
Target Compounds						
					Qvalue	
6) Chloroethane	3.036	64	658	0.211	ug/l	98
25) Chloroform	7.971	83	2248	0.222	ug/l	98
44) Isopropyl Acetate	8.736	43	2138	0.216	ug/l #	50
51) Ethyl methacrylate	10.582	69	1963	0.291	ug/l #	72
56) Bromoform	12.853	173	1523	0.463	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	75913	37.991	ug/l #	8
91) Naphthalene	15.641	128	2538	0.207	ug/l #	78

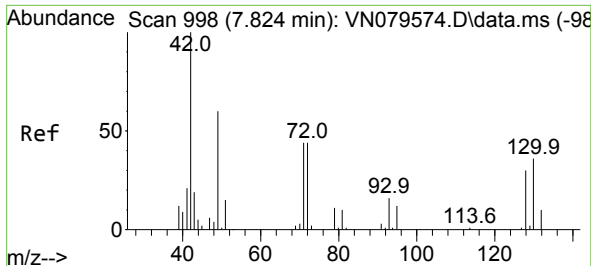
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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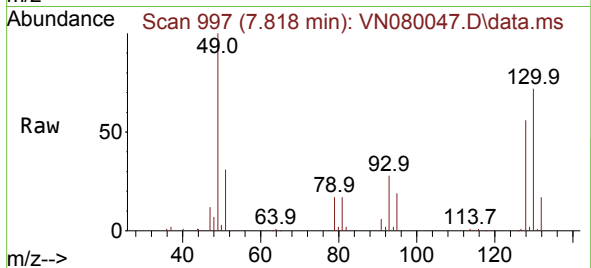
Quant Time: Nov 10 23:56:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
Response via : Initial Calibration



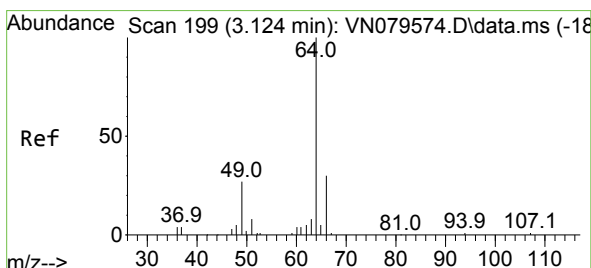
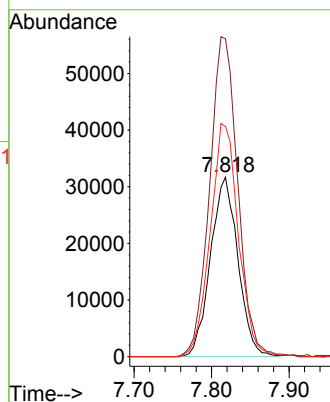
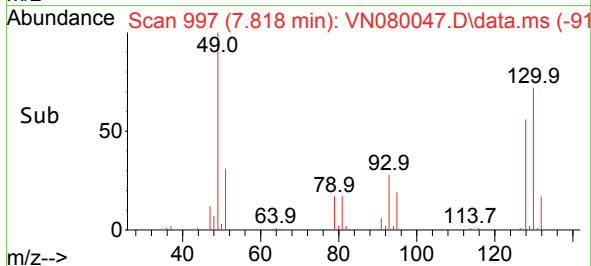


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

Instrument :
MSVOA_N
ClientSampleId :

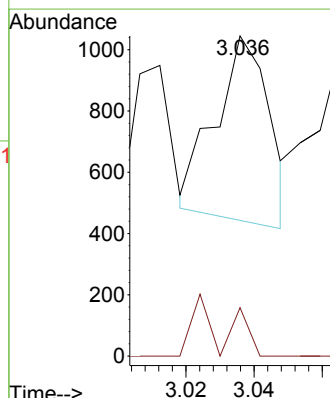
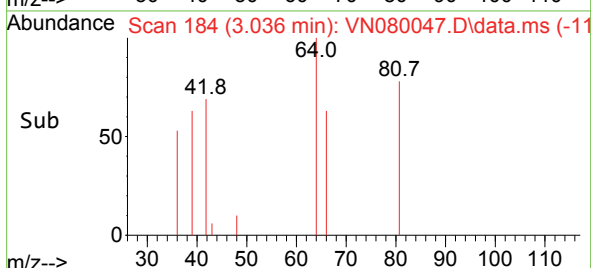
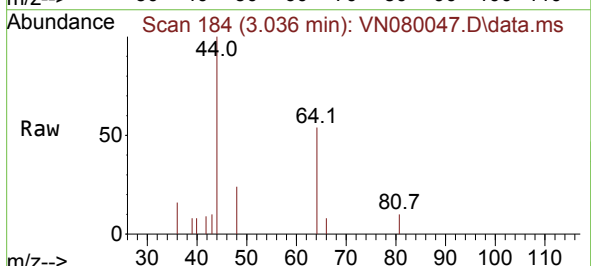


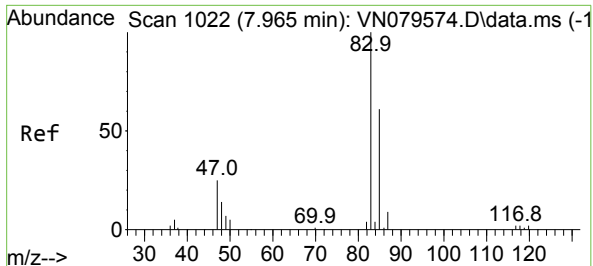
Tgt Ion:128 Resp: 78109
Ion Ratio Lower Upper
128 100
49 182.8 0.0 468.5
130 133.3 0.0 320.7



#6
Chloroethane
Concen: 0.211 ug/l
RT: 3.036 min Scan# 184
Delta R.T. -0.088 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

Tgt Ion: 64 Resp: 658
Ion Ratio Lower Upper
64 100
66 30.4 23.3 34.9





#25

Chloroform

Concen: 0.222 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN080047.D

Acq: 10 Nov 2023 12:48

Instrument :

MSVOA_N

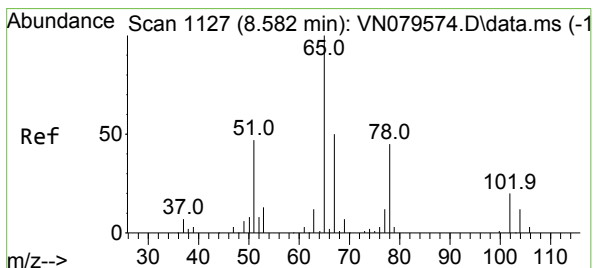
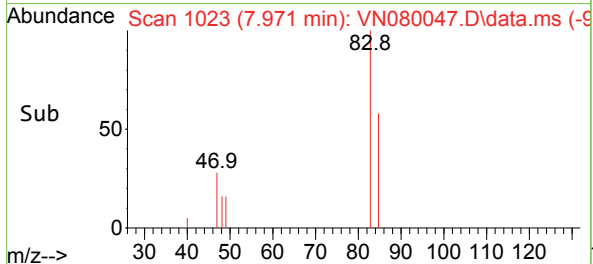
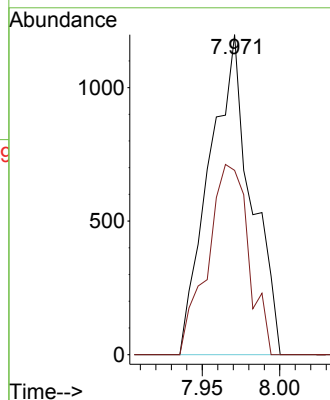
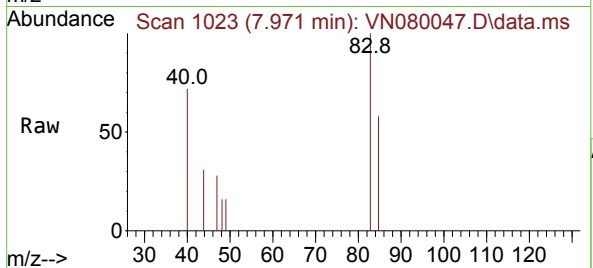
ClientSampleId :

Tgt Ion: 83 Resp: 2248

Ion Ratio Lower Upper

83 100

85 57.6 47.4 71.2



#27

1,2-Dichloroethane-d4

Concen: 30.553 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN080047.D

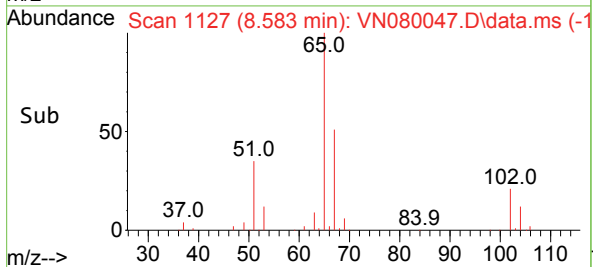
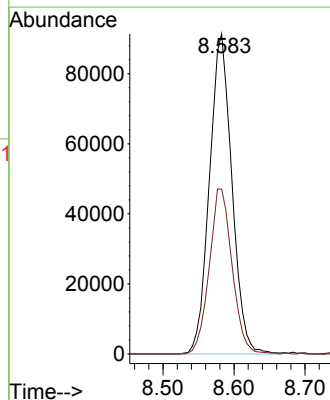
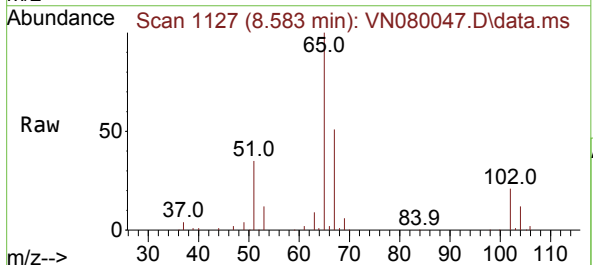
Acq: 10 Nov 2023 12:48

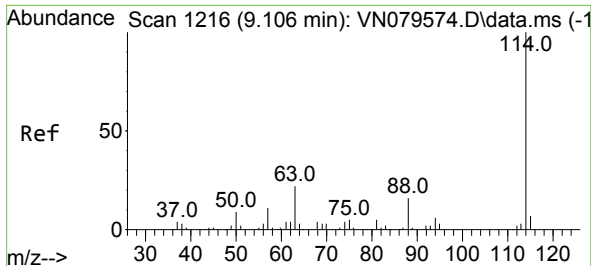
Tgt Ion: 65 Resp: 200327

Ion Ratio Lower Upper

65 100

67 52.5 42.1 63.1

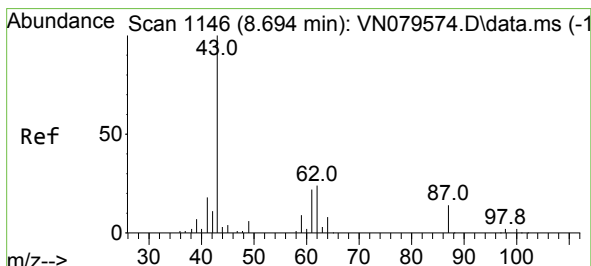
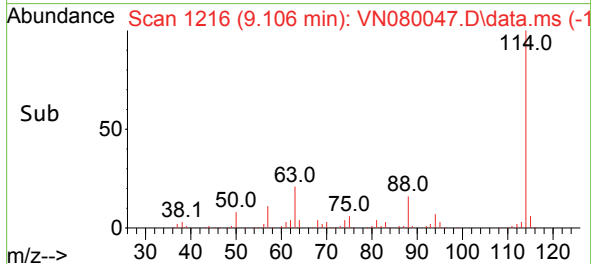
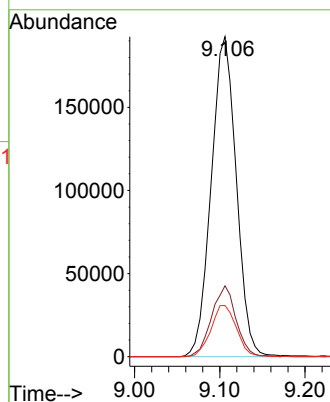
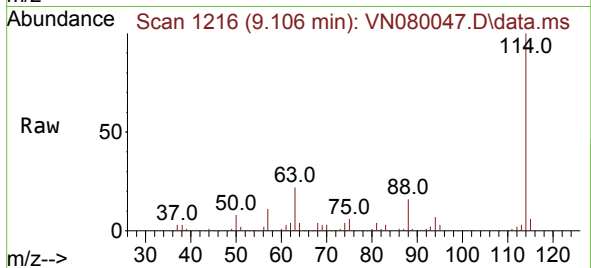




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1153
Delta R.T. 0.000 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

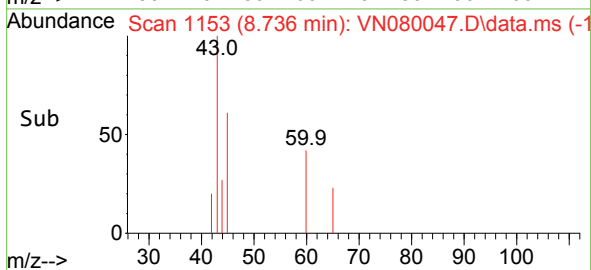
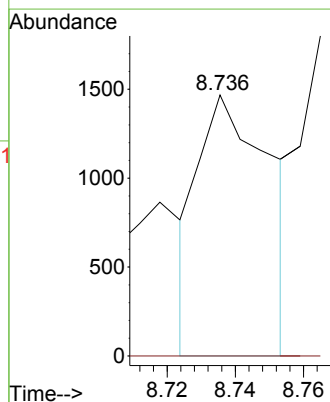
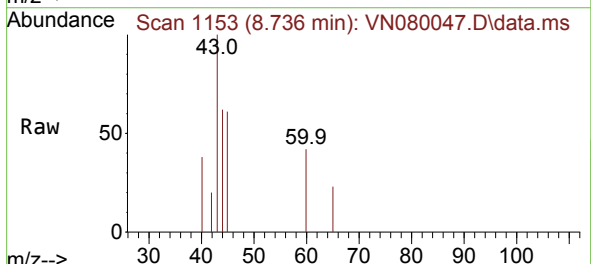
Instrument :
MSVOA_N
ClientSampleId :

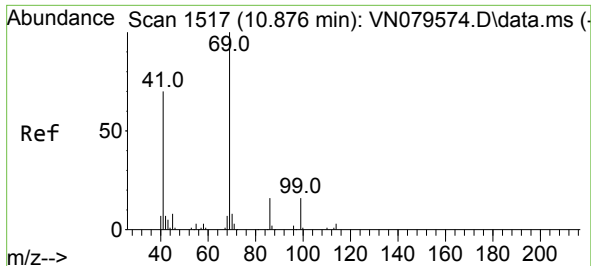
Tgt Ion:114 Resp: 394070
Ion Ratio Lower Upper
114 100
63 21.7 18.1 27.1
88 16.3 12.2 18.2



#44
Isopropyl Acetate
Concen: 0.216 ug/l
RT: 8.736 min Scan# 1153
Delta R.T. 0.041 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
61 0.0 20.3 30.5#

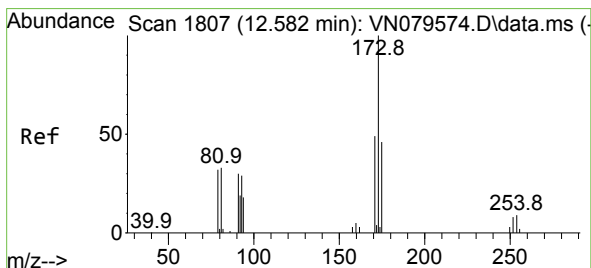
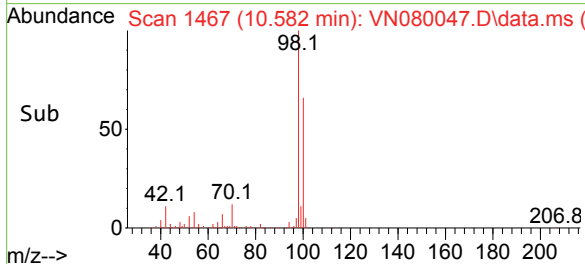
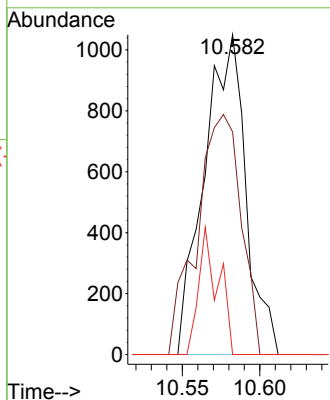
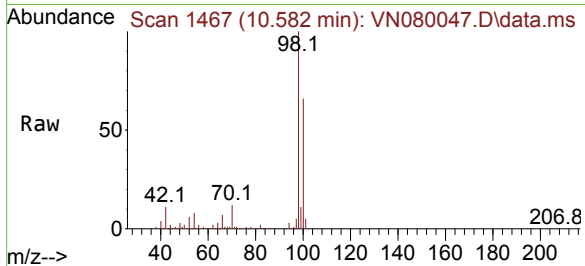




#51
Ethyl methacrylate
Concen: 0.291 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.294 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

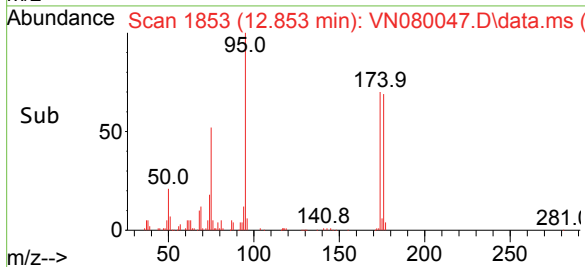
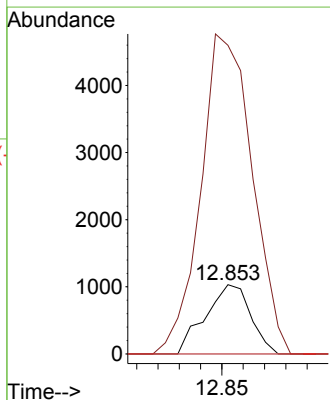
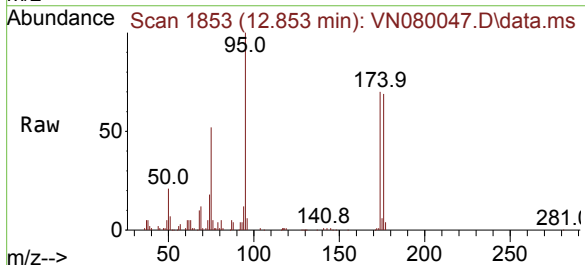
Instrument :
MSVOA_N
ClientSampleId :

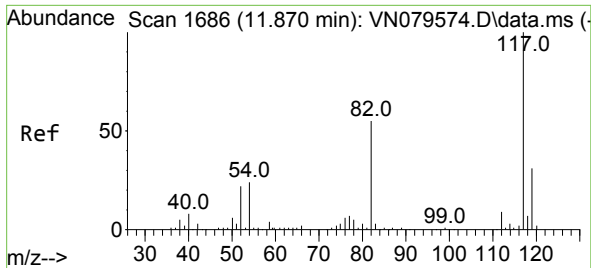
Tgt Ion: 69 Resp: 1963
Ion Ratio Lower Upper
69 100
41 69.6 33.8 101.3
39 0.0 21.3 63.9#



#56
Bromoform
Concen: 0.463 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

Tgt Ion:173 Resp: 1523
Ion Ratio Lower Upper
173 100
175 524.0 37.9 56.9#
254 0.0 7.3 10.9#

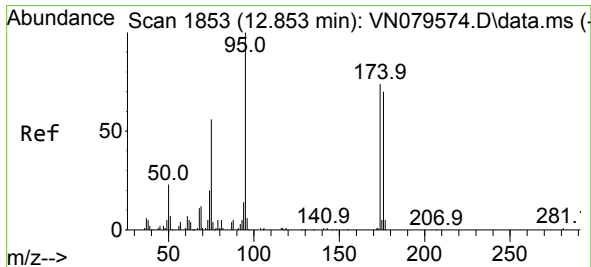
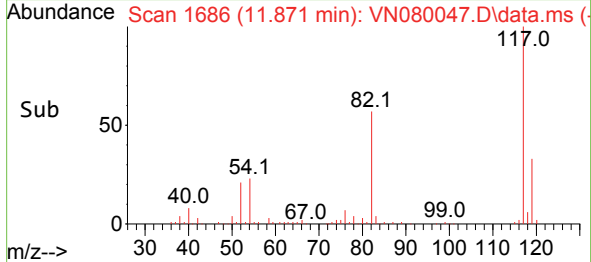
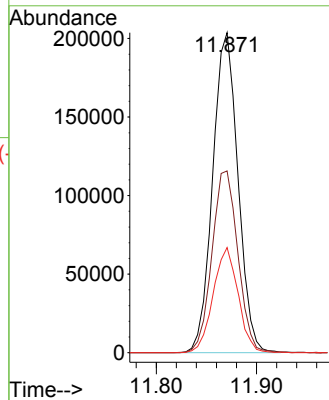
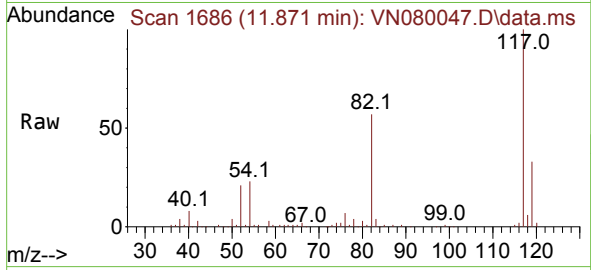




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

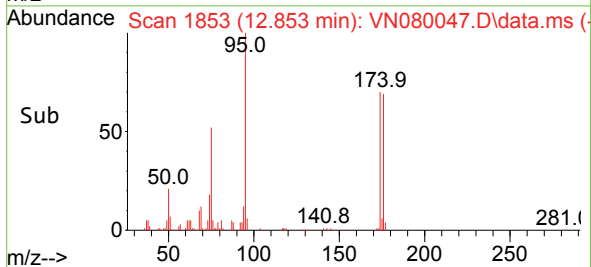
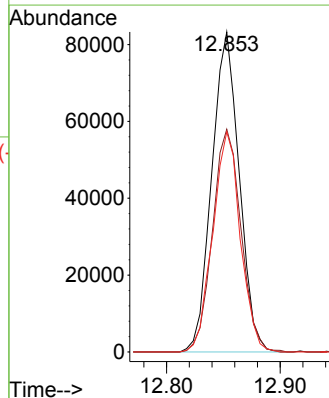
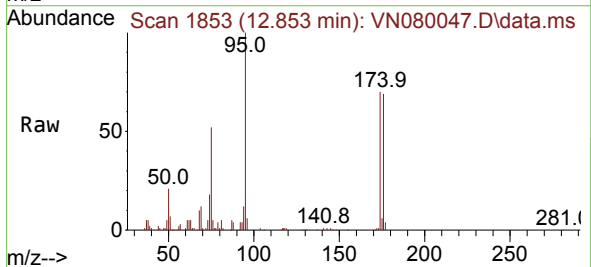
Instrument :
MSVOA_N
ClientSampleId :

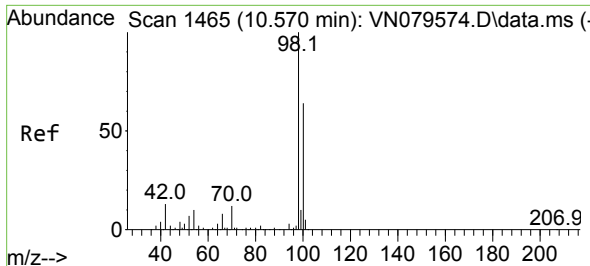
Tgt Ion:117 Resp: 356439
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.2
119 32.4 25.2 37.8



#60
4-Bromofluorobenzene
Concen: 24.494 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

Tgt Ion: 95 Resp: 139614
Ion Ratio Lower Upper
95 100
174 72.3 60.5 90.7
176 69.2 57.2 85.8

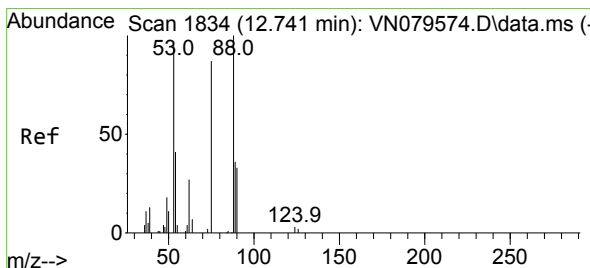
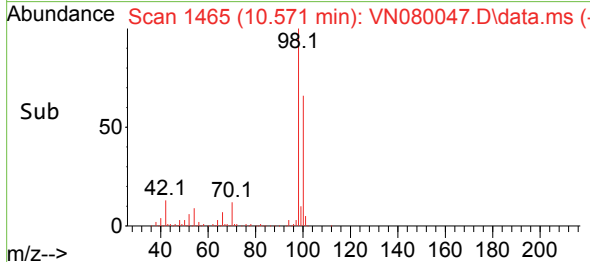
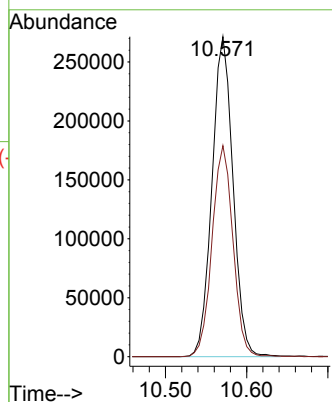
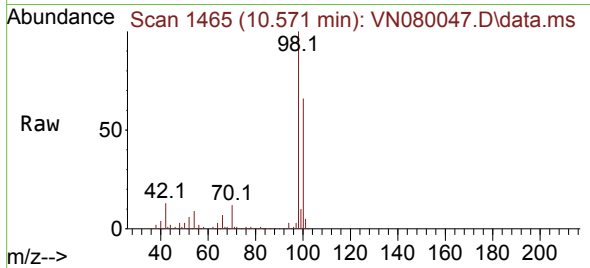




#63
Toluene-d8
Concen: 28.898 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

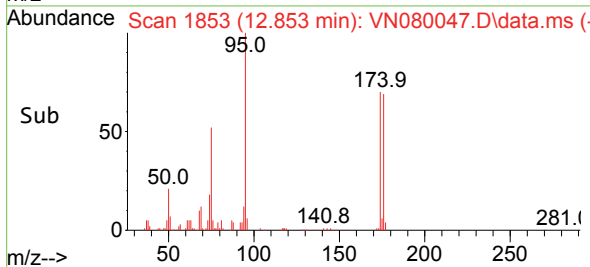
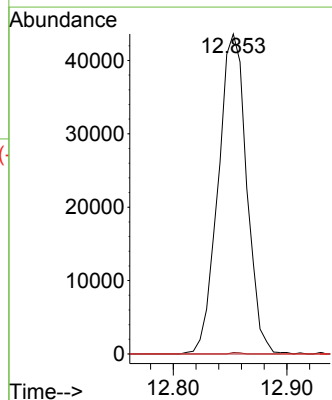
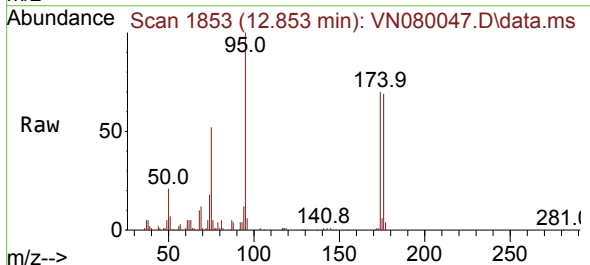
Instrument :
MSVOA_N
ClientSampleId :

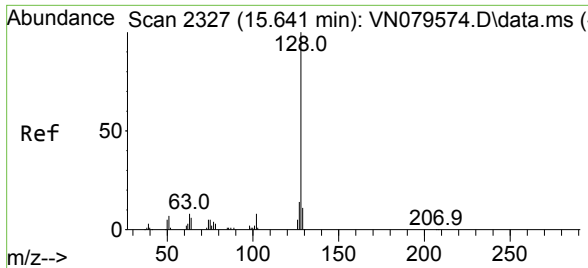
Tgt Ion: 98 Resp: 488056
Ion Ratio Lower Upper
98 100
100 65.3 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 37.991 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

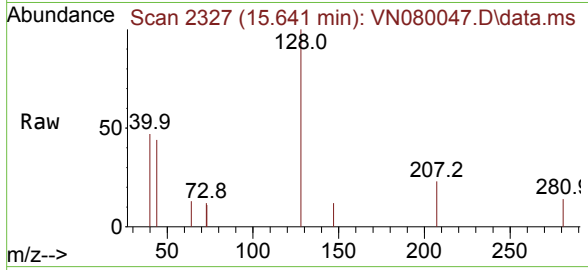
Tgt Ion: 75 Resp: 75913
Ion Ratio Lower Upper
75 100
53 0.5 53.0 159.1#
89 0.0 22.6 67.7#





#91
Naphthalene
Concen: 0.207 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080047.D
Acq: 10 Nov 2023 12:48

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2538
Ion	Ratio	Lower	Upper
128	100		
127	2.3	10.9	16.3#
129	5.1	8.6	12.8#

