

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102522\
 Data File : VN075009.D
 Acq On : 25 Oct 2022 15:26
 Operator : JC\MD
 Sample : VN1025WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 27 10:25:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 10:19:47 2022
 Response via : Initial Calibration

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

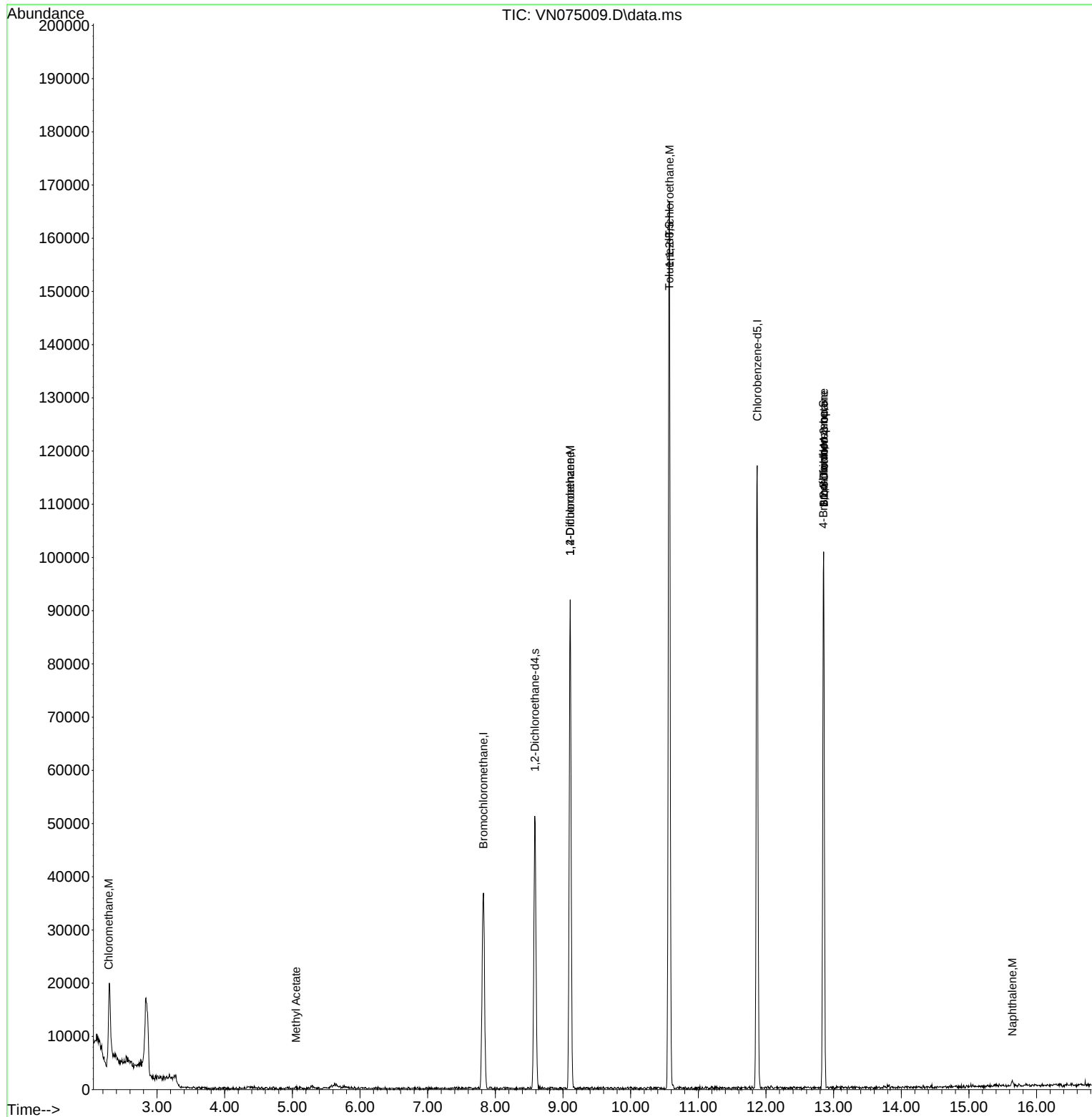
Internal Standards						
1) Bromochloromethane	7.824	128	13676	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	78300	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	66204	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	41092	32.861	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.533%
60) 4-Bromofluorobenzene	12.847	95	34265	26.341	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.800%
63) Toluene-d8	10.571	98	118661	32.046	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.833%
Target Compounds						
					Qvalue	
3) Chloromethane	2.283	50	222	0.253	ug/l #	40
12) Methyl Acetate	5.053	43	334	0.252	ug/l #	49
36) 1,2-Dichloroethane	9.106	62	2851	1.874	ug/l #	77
50) 1,1,2-Trichloroethane	10.577	97	3690	3.212	ug/l #	1
56) Bromoform	12.853	173	266	0.292	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	19572	13.040	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	19572	37.333	ug/l #	8
91) Naphthalene	15.641	128	918	0.237	ug/l #	68

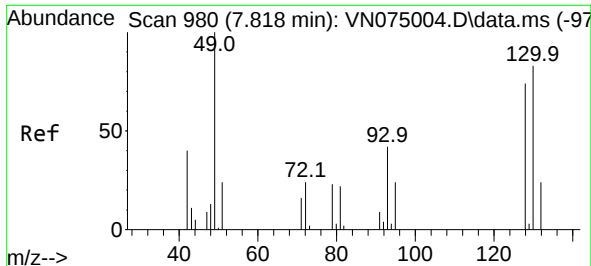
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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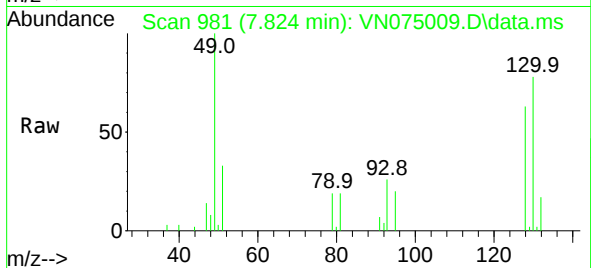
Quant Time: Oct 27 10:25:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 27 10:19:47 2022
Response via : Initial Calibration



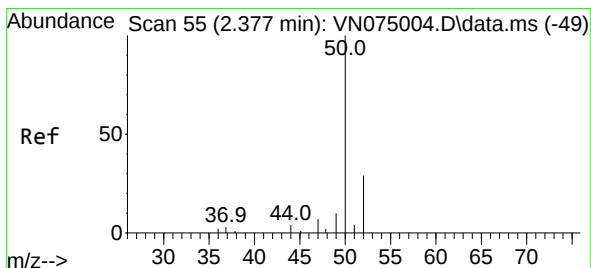
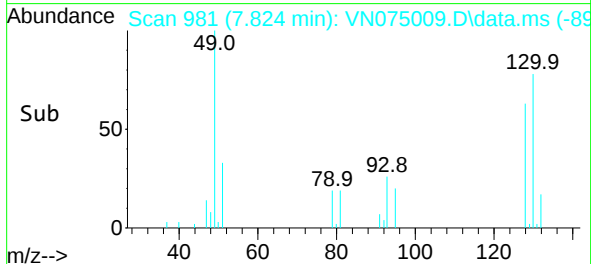
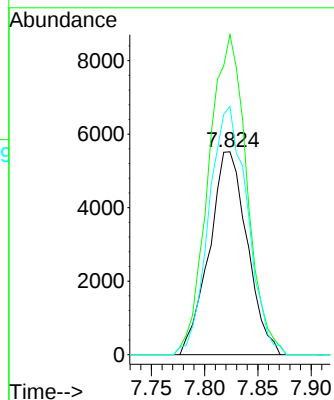


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075009.D
Acq: 25 Oct 2022 15:26

Instrument :
MSVOA_N
ClientSampleId :

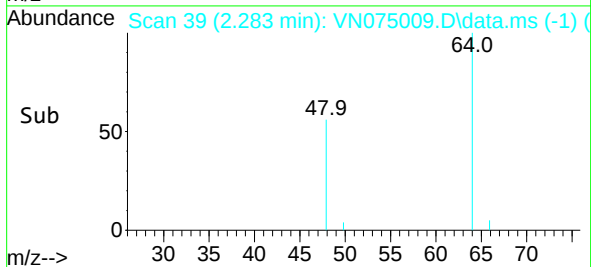
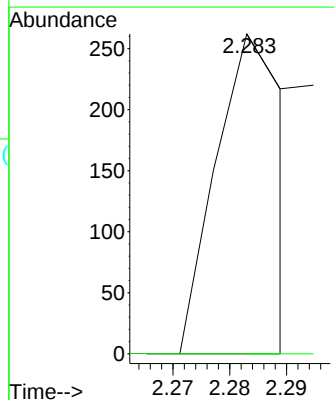
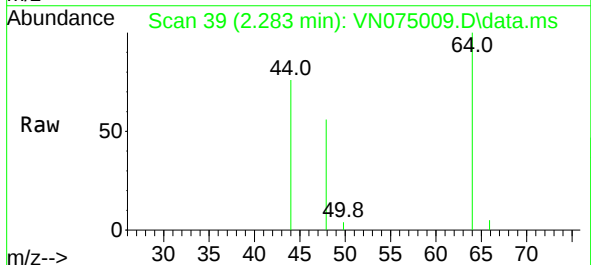


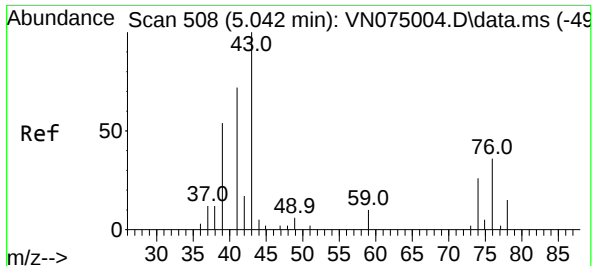
Tgt Ion:128 Resp: 13676
Ion Ratio Lower Upper
128 100
49 158.6 0.0 392.3
130 123.9 0.0 320.2



#3
Chloromethane
Concen: 0.253 ug/l
RT: 2.283 min Scan# 39
Delta R.T. -0.094 min
Lab File: VN075009.D
Acq: 25 Oct 2022 15:26

Tgt Ion: 50 Resp: 222
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

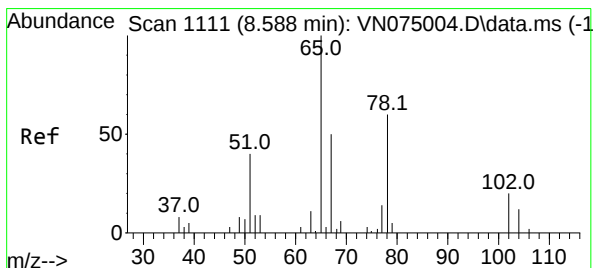
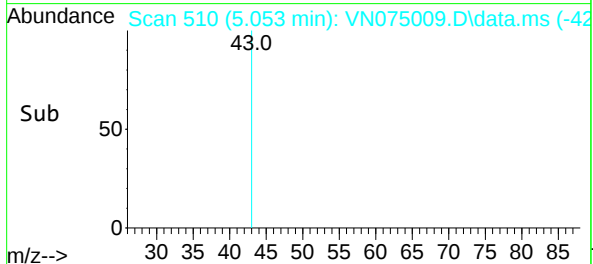
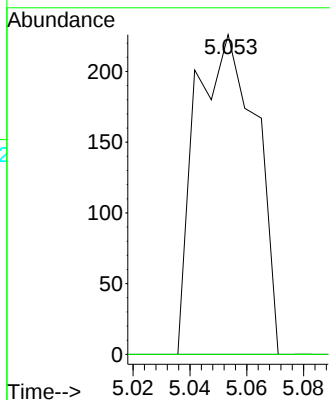
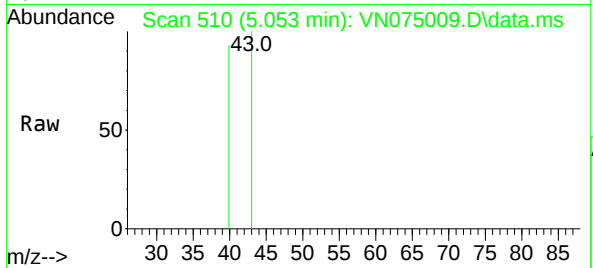




#12
Methyl Acetate
Concen: 0.252 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN075009.D
Acq: 25 Oct 2022 15:26

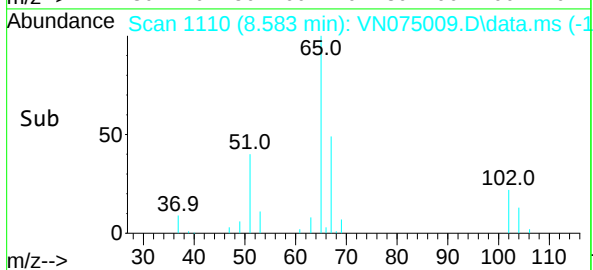
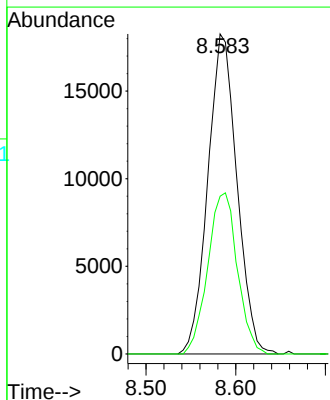
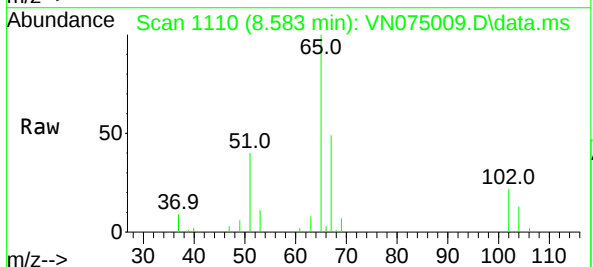
Instrument :
MSVOA_N
ClientSampleId :

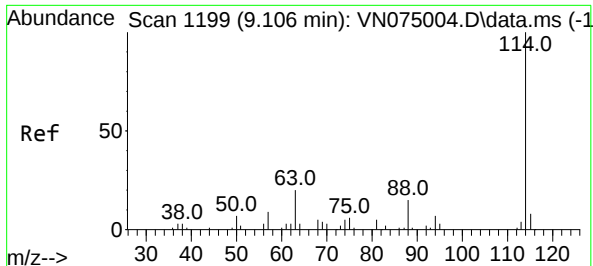
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#27
1,2-Dichloroethane-d4
Concen: 32.861 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075009.D
Acq: 25 Oct 2022 15:26

Tgt Ion: 65 Resp: 41092
Ion Ratio Lower Upper
65 100
67 51.1 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075009.D

Acq: 25 Oct 2022 15:26

Instrument :

MSVOA_N

ClientSampleId :

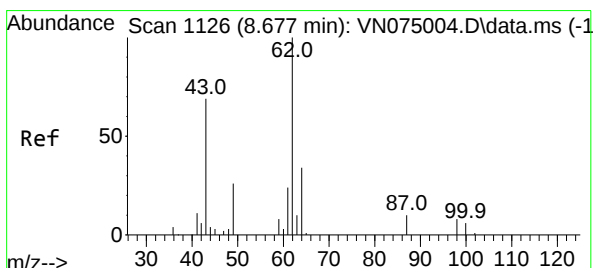
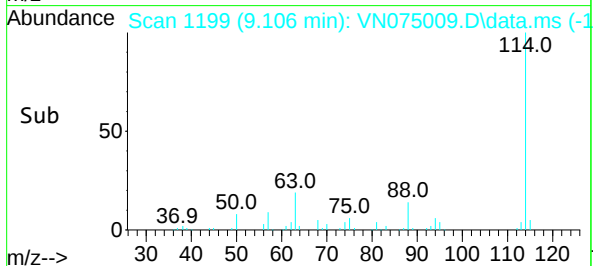
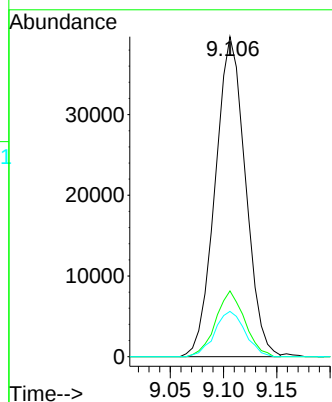
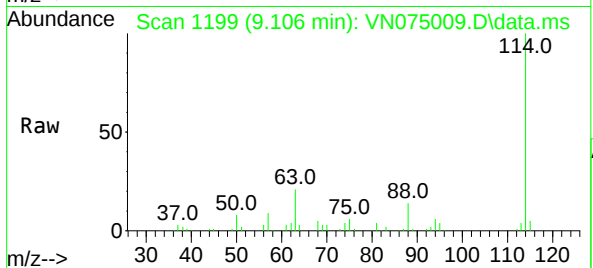
Tgt Ion:114 Resp: 78300

Ion Ratio Lower Upper

114 100

63 19.7 15.8 23.6

88 14.3 11.6 17.4



#36

1,2-Dichloroethane

Concen: 1.874 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.429 min

Lab File: VN075009.D

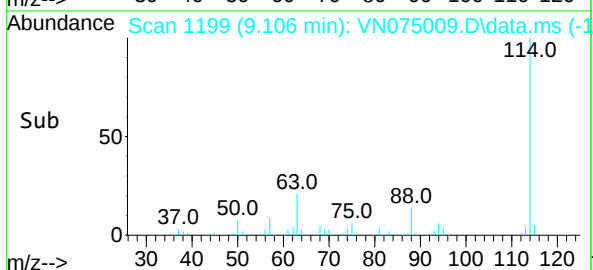
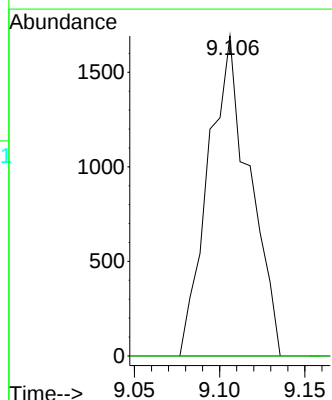
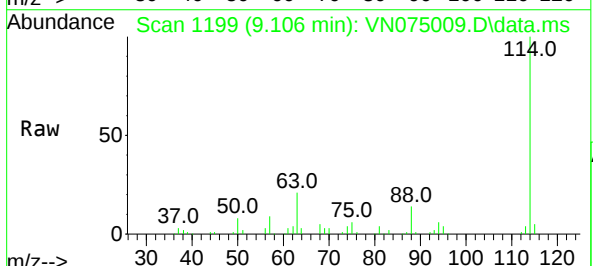
Acq: 25 Oct 2022 15:26

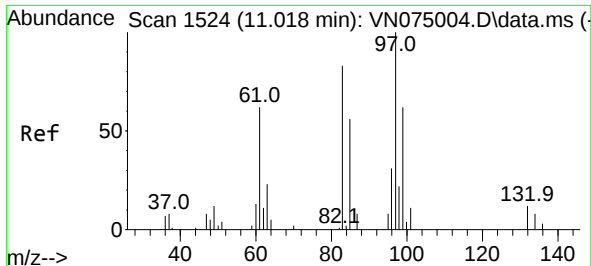
Tgt Ion: 62 Resp: 2851

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#





#50

1,1,2-Trichloroethane

Concen: 3.212 ug/l

RT: 10.577 min Scan# 1449

Delta R.T. -0.441 min

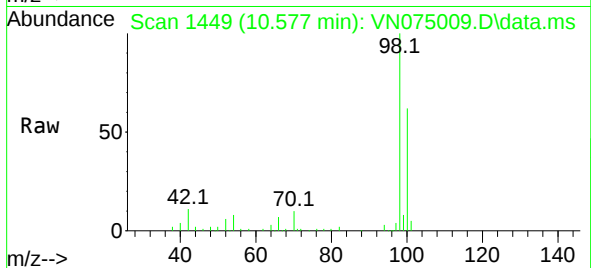
Lab File: VN075009.D

Acq: 25 Oct 2022 15:26

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 3690

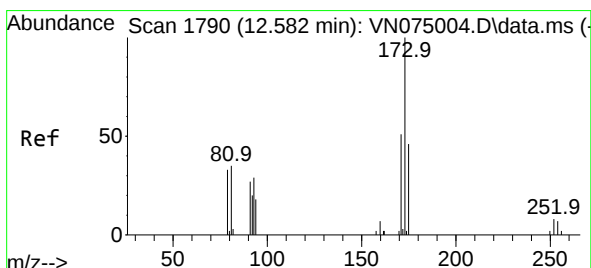
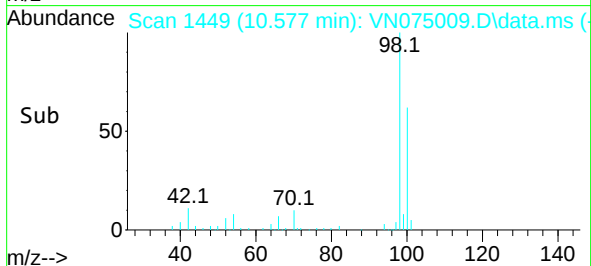
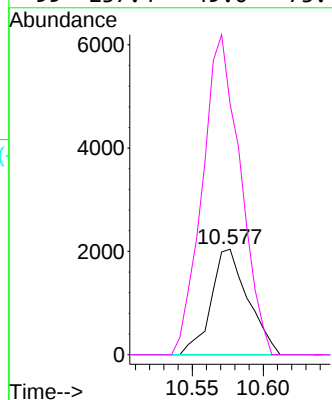
Ion Ratio Lower Upper

97 100

83 0.0 67.2 100.8#

85 0.0 43.0 64.4#

99 237.4 49.0 73.4#



#56

Bromoform

Concen: 0.292 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN075009.D

Acq: 25 Oct 2022 15:26

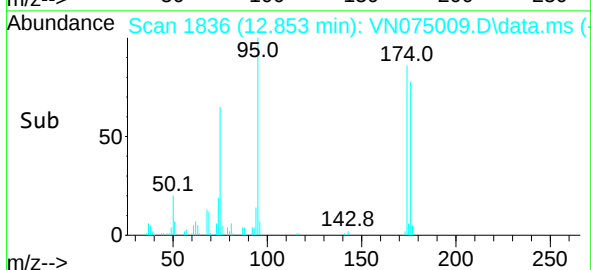
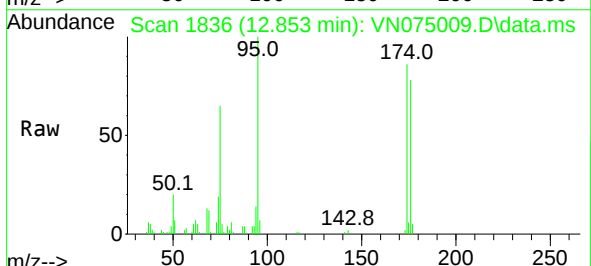
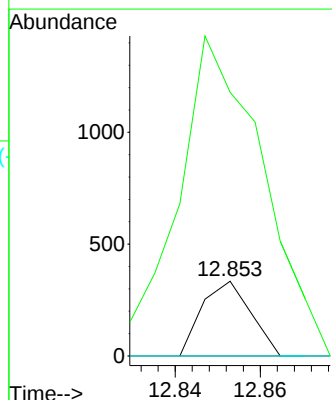
Tgt Ion:173 Resp: 266

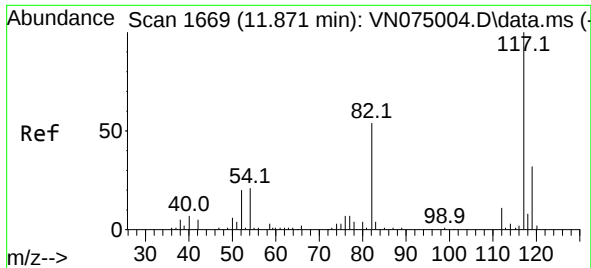
Ion Ratio Lower Upper

173 100

175 746.6 38.6 58.0#

254 0.0 0.0 0.0

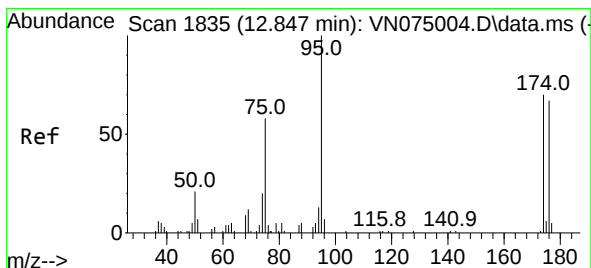
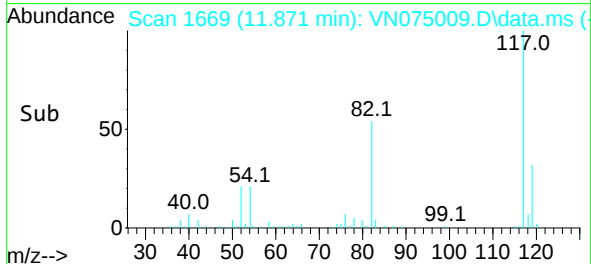
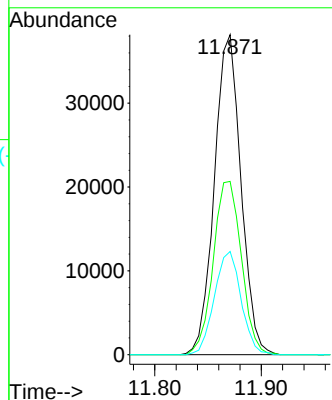
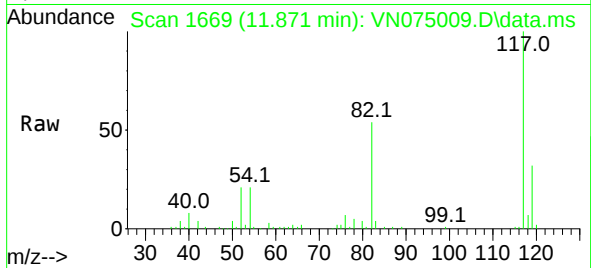




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN075009.D
Acq: 25 Oct 2022 15:26

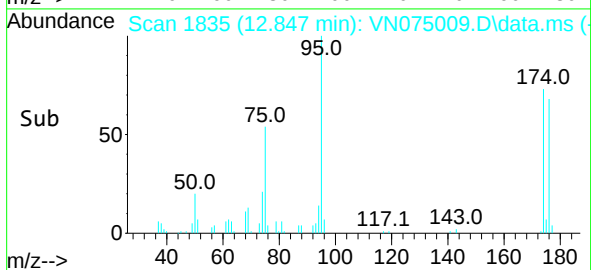
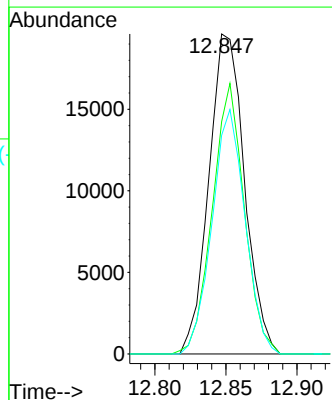
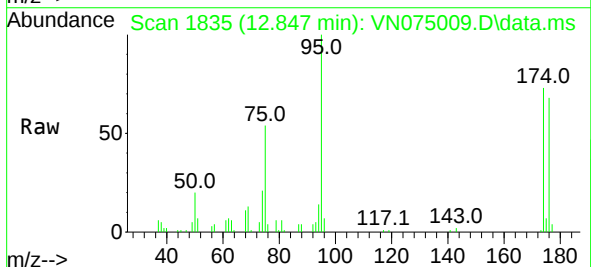
Instrument :
MSVOA_N
ClientSampleId :

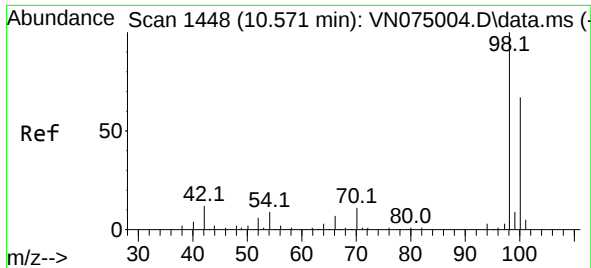
Tgt Ion:117 Resp: 66204
Ion Ratio Lower Upper
117 100
82 57.3 43.6 65.4
119 32.3 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 26.341 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN075009.D
Acq: 25 Oct 2022 15:26

Tgt Ion: 95 Resp: 34265
Ion Ratio Lower Upper
95 100
174 75.7 62.9 94.3
176 70.9 61.0 91.4

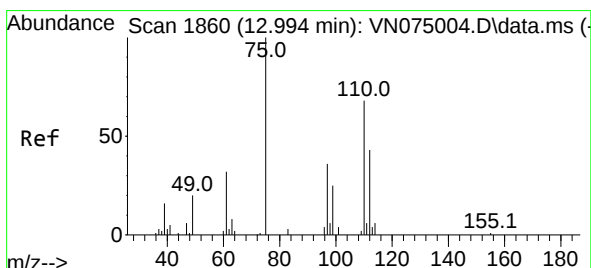
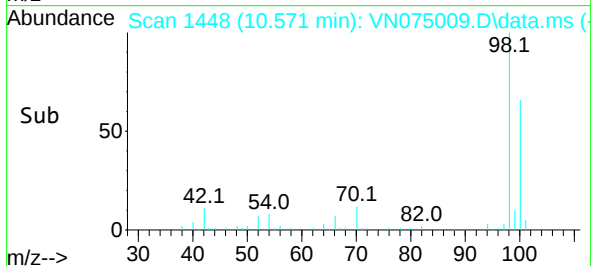
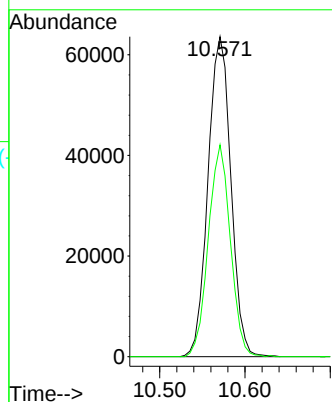
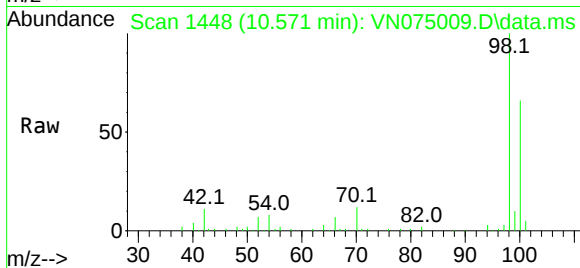




#63
Toluene-d8
Concen: 32.046 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075009.D
Acq: 25 Oct 2022 15:26

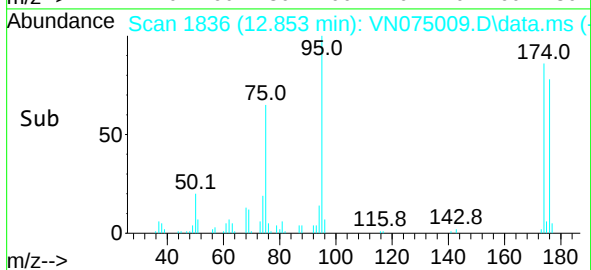
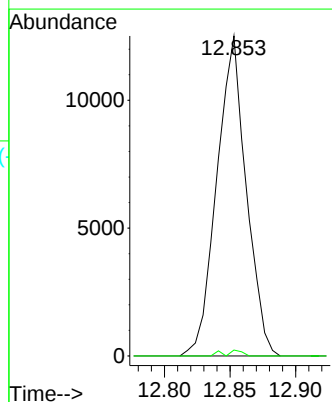
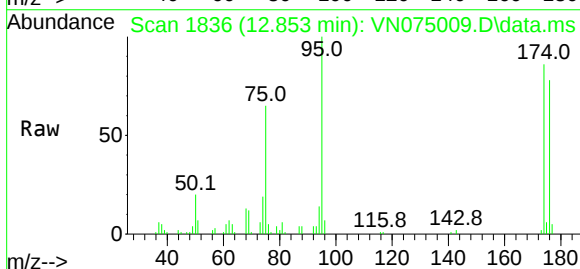
Instrument :
MSVOA_N
ClientSampleId :

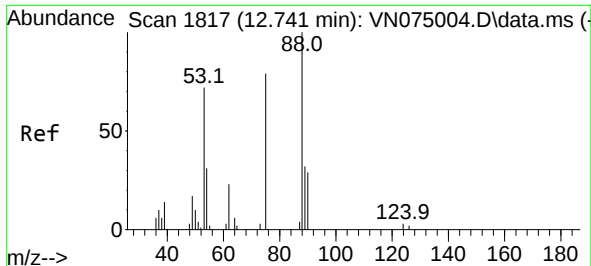
Tgt Ion: 98 Resp: 118661
Ion Ratio Lower Upper
98 100
100 63.8 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 13.040 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075009.D
Acq: 25 Oct 2022 15:26

Tgt Ion: 75 Resp: 19572
Ion Ratio Lower Upper
75 100
77 0.7 0.0 378.0

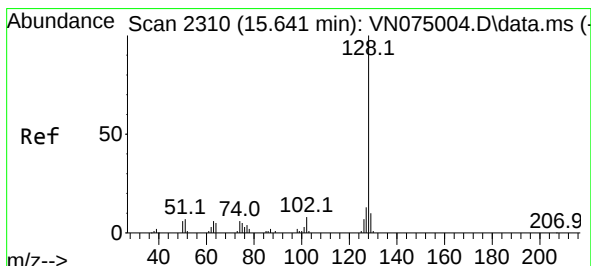
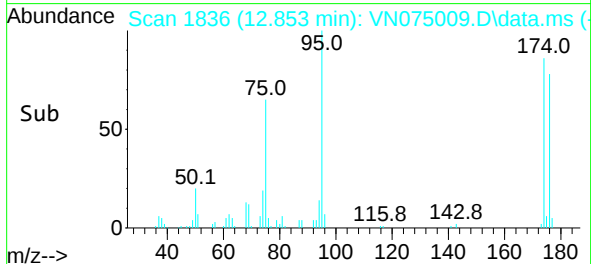
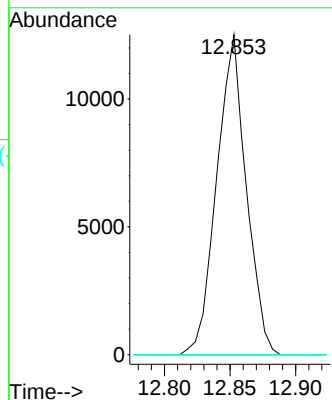
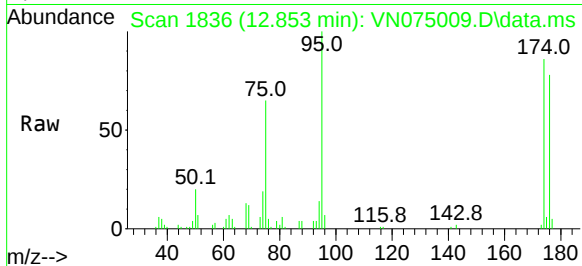




#77
t-1,4-Dichloro-2-butene
Concen: 37.333 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075009.D
Acq: 25 Oct 2022 15:26

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 19572
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 0.237 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN075009.D
Acq: 25 Oct 2022 15:26

Tgt Ion: 128 Resp: 918
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.6#

