

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075055.D
 Acq On : 28 Oct 2022 12:36
 Operator : JC\MD
 Sample : VN1028WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBL02

Quant Time: Oct 31 01:49:48 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)

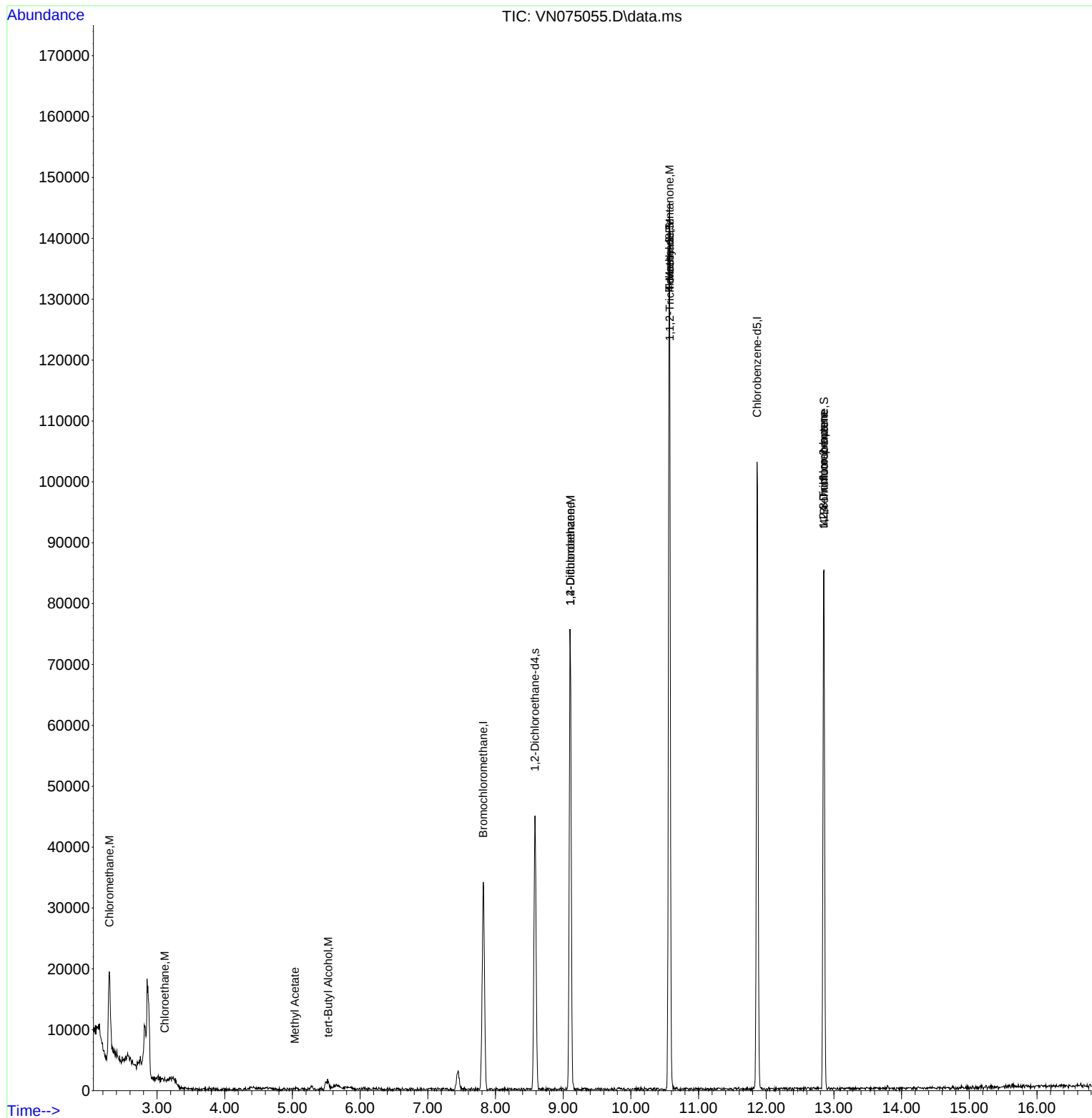
Internal Standards						
1) Bromochloromethane	7.818	128	12128	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	67949	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	58277	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	36115	32.568	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.567%
60) 4-Bromofluorobenzene	12.853	95	28223	24.648	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.167%
63) Toluene-d8	10.571	98	98764	30.301	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.000%
Target Compounds						
					Qvalue	
3) Chloromethane	2.295	50	369	0.475	ug/l #	40
6) Chloroethane	3.112	64	343	0.379	ug/l #	44
12) Methyl Acetate	5.036	43	240	0.204	ug/l #	49
23) tert-Butyl Alcohol	5.530	59	378	1.679	ug/l #	100
36) 1,2-Dichloroethane	9.106	62	2585	1.958	ug/l #	77
50) 1,1,2-Trichloroethane	10.577	97	3348	3.358	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	419	0.333	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	15686	11.873	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	15686	33.990	ug/l #	8

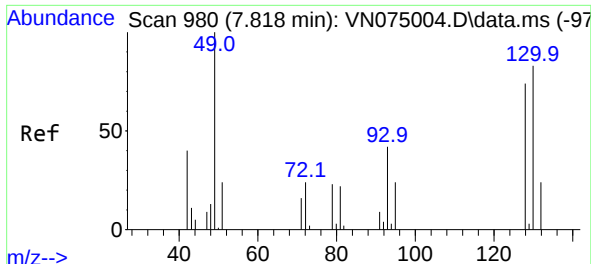
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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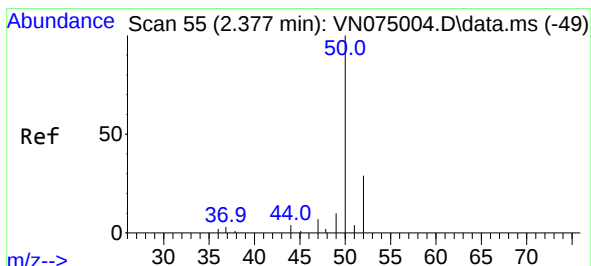
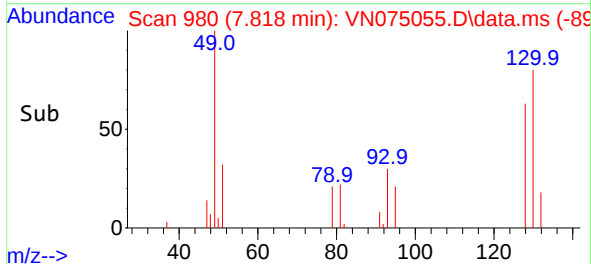
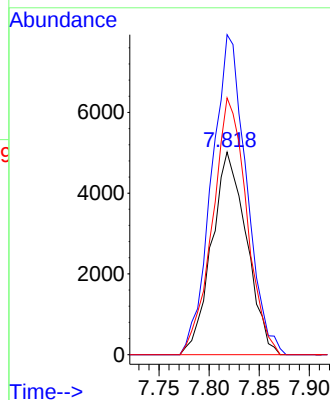
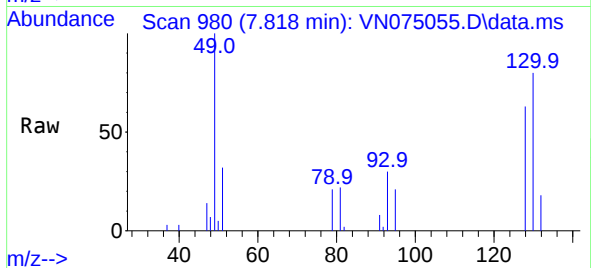




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

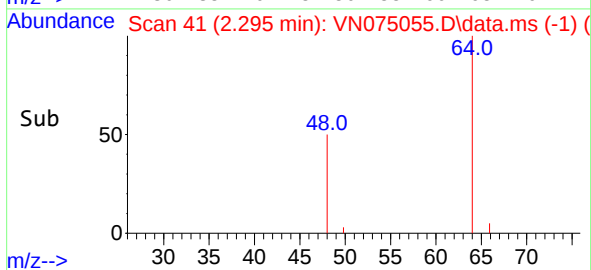
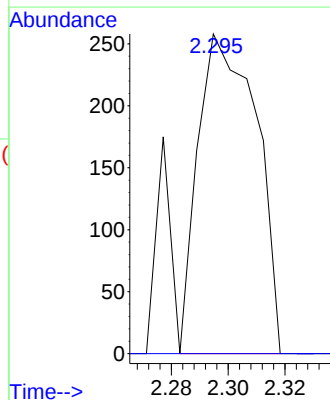
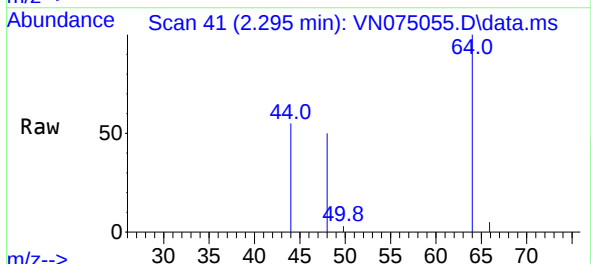
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL02

Tgt Ion:128 Resp: 12128
Ion Ratio Lower Upper
128 100
49 157.2 0.0 392.3
130 124.2 0.0 320.2

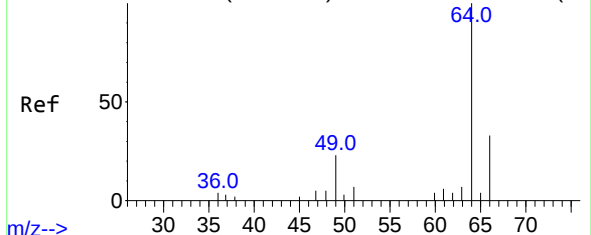


#3
Chloromethane
Concen: 0.475 ug/l
RT: 2.295 min Scan# 41
Delta R.T. -0.082 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

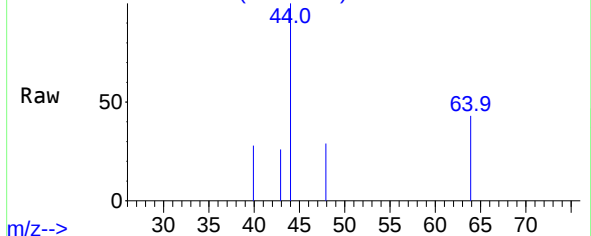
Tgt Ion: 50 Resp: 369
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#



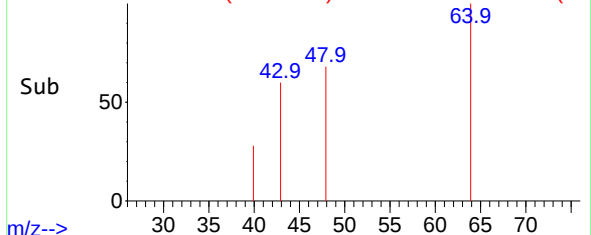
Abundance Scan 182 (3.124 min): VN075004.D\data.ms (-17



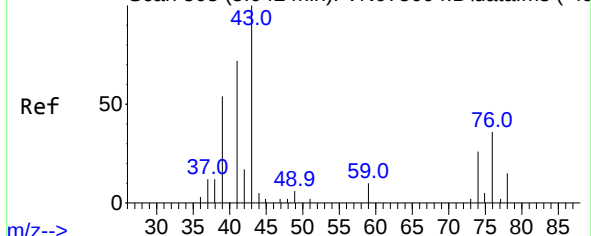
Abundance Scan 180 (3.112 min): VN075055.D\data.ms



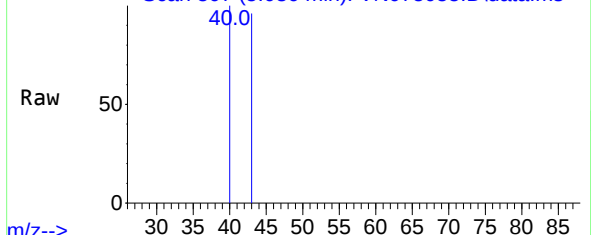
Abundance Scan 180 (3.112 min): VN075055.D\data.ms (-97



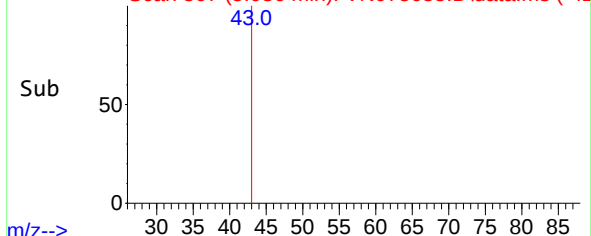
Abundance Scan 508 (5.042 min): VN075004.D\data.ms (-49



Abundance Scan 507 (5.036 min): VN075055.D\data.ms



Abundance Scan 507 (5.036 min): VN075055.D\data.ms (-42



#6
Chloroethane
Concen: 0.379 ug/l
RT: 3.112 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

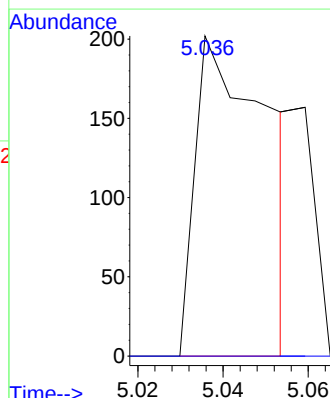
Instrument :
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ClientSampleId :
VN1028WBL02

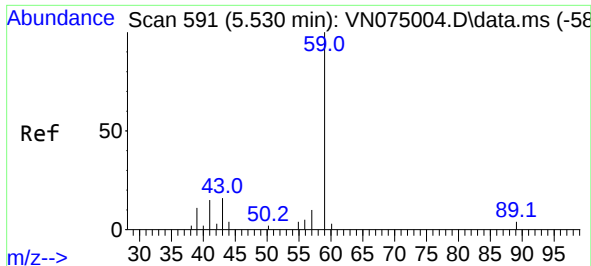
Tgt Ion: 64 Resp: 343
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#12
Methyl Acetate
Concen: 0.204 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

Tgt Ion: 43 Resp: 240
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#

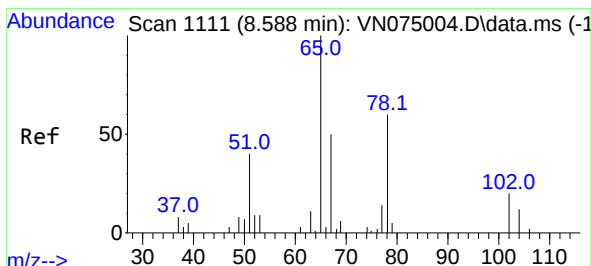
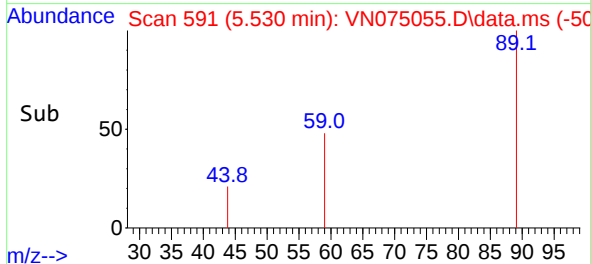
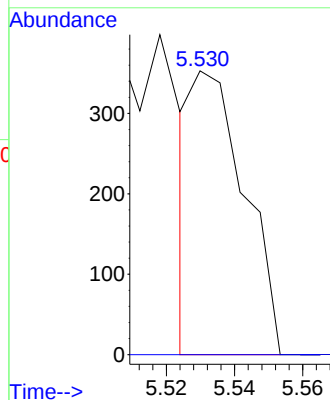
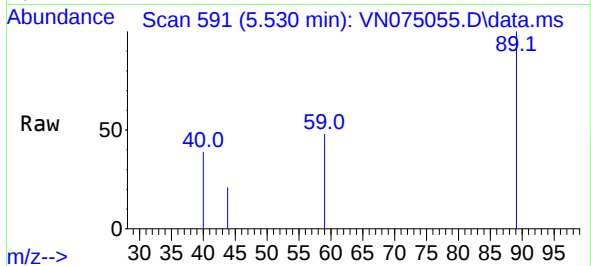




#23
tert-Butyl Alcohol
Concen: 1.679 ug/l
RT: 5.530 min Scan# 591
Delta R.T. 0.000 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

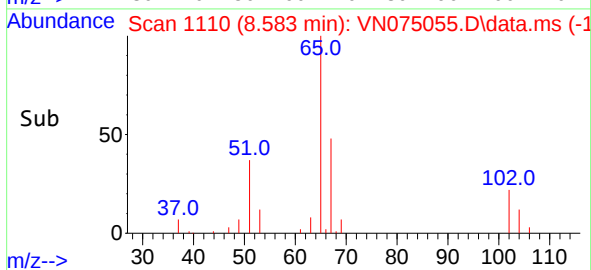
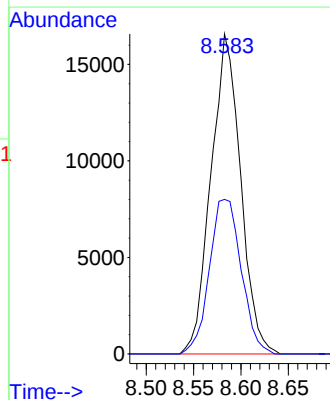
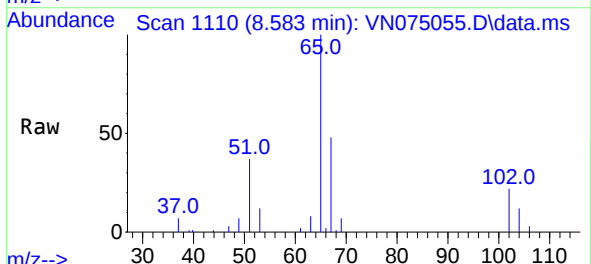
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL02

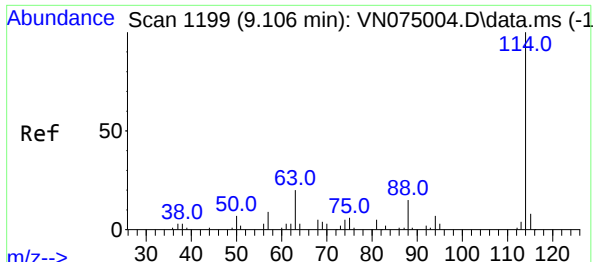
Tgt Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 32.568 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

Tgt Ion: 65 Resp: 36115
Ion Ratio Lower Upper
65 100
67 52.0 40.2 60.2

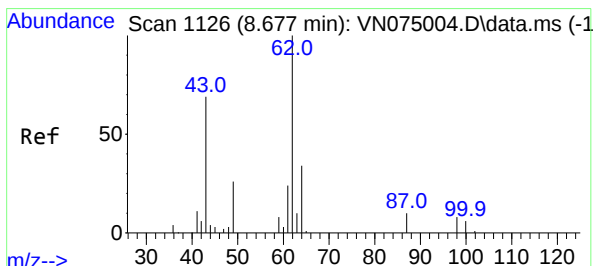
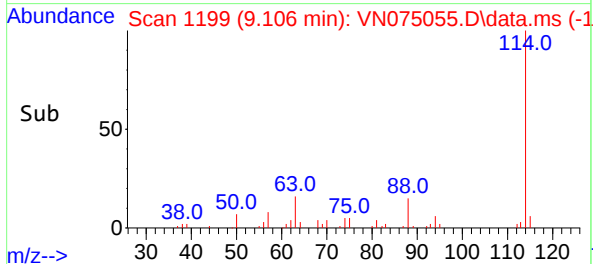
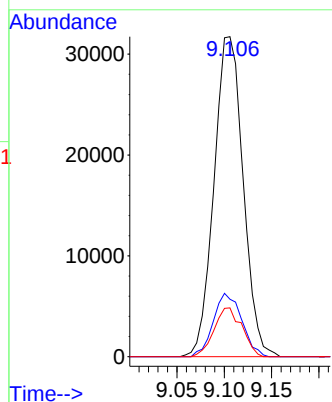
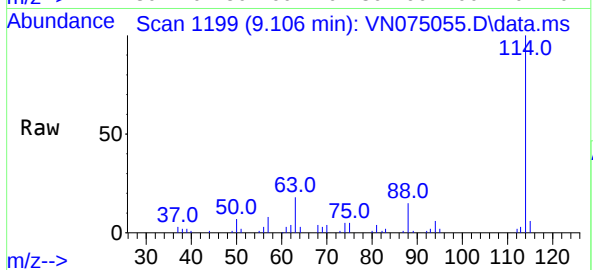




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

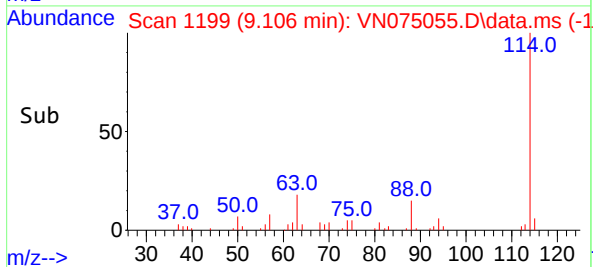
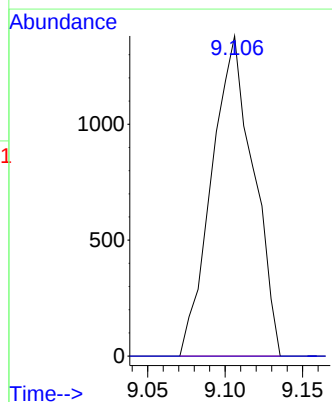
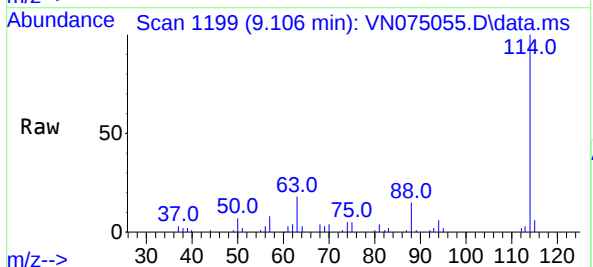
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL02

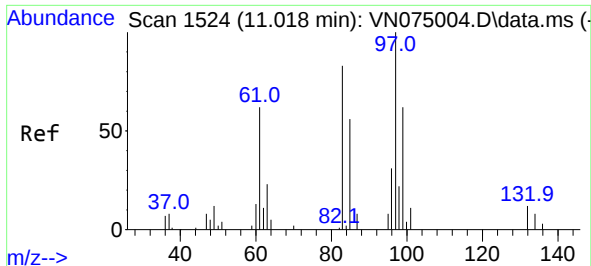
Tgt Ion:114 Resp: 67949
Ion Ratio Lower Upper
114 100
63 19.3 15.8 23.6
88 14.6 11.6 17.4



#36
1,2-Dichloroethane
Concen: 1.958 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.429 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

Tgt Ion: 62 Resp: 2585
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

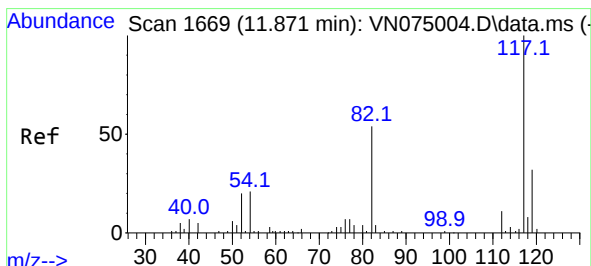
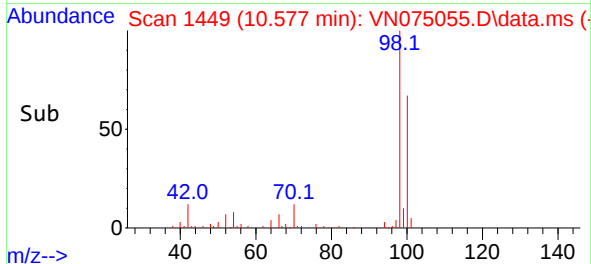
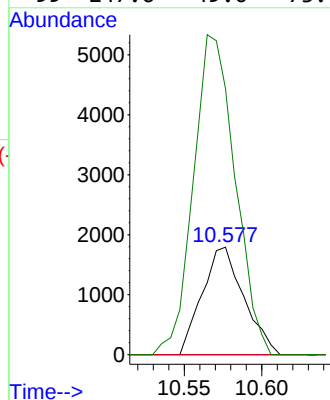
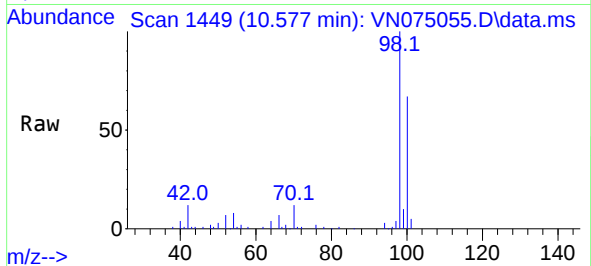




#50
1,1,2-Trichloroethane
Concen: 3.358 ug/l
RT: 10.577 min Scan# 1449
Delta R.T. -0.441 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

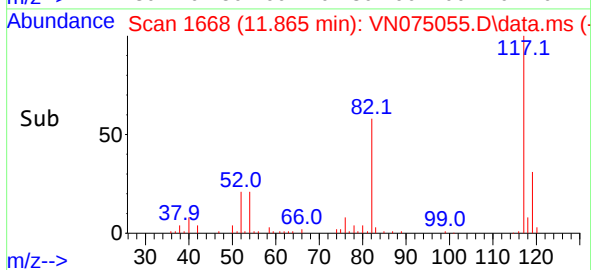
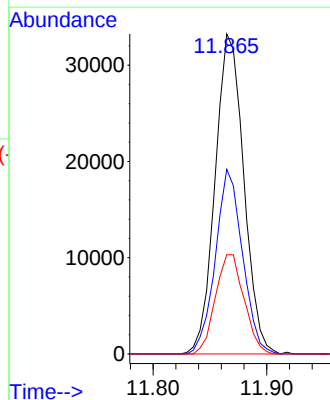
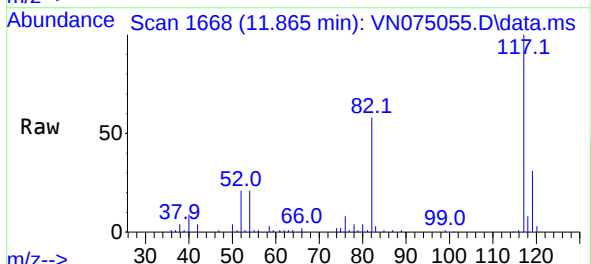
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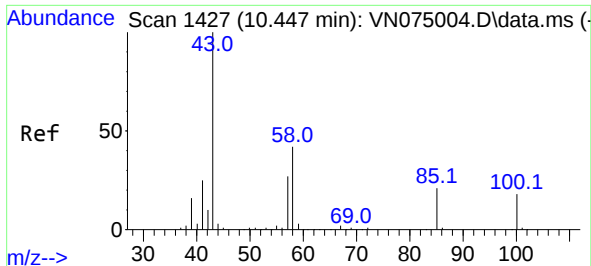
Tgt Ion: 97 Resp: 3348
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 43.0 64.4#
99 247.6 49.0 73.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

Tgt Ion: 117 Resp: 58277
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 31.0 25.8 38.6

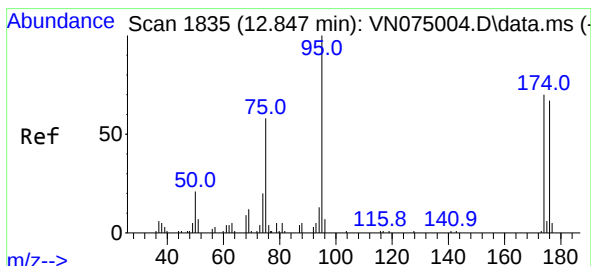
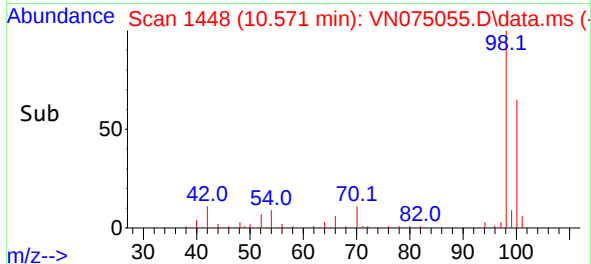
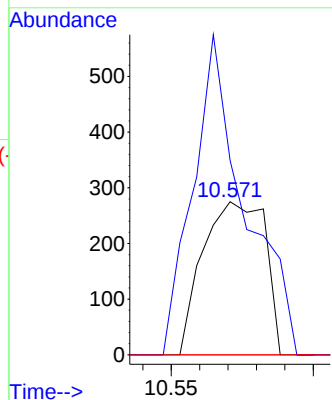
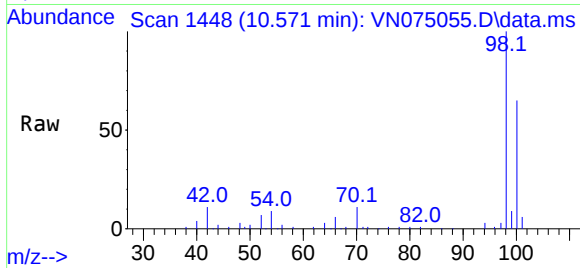




#58
4-Methyl-2-Pentanone
Concen: 0.333 ug/l
RT: 10.571 min Scan# 1427
Delta R.T. 0.124 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

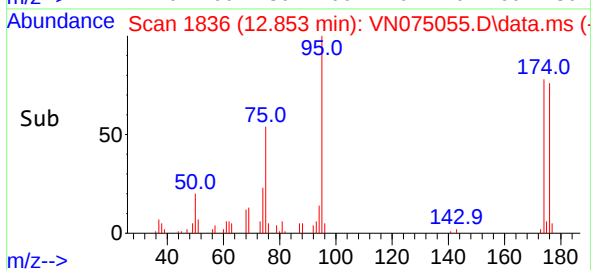
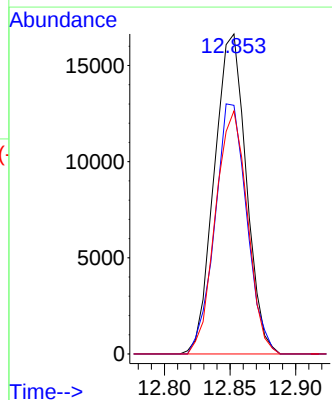
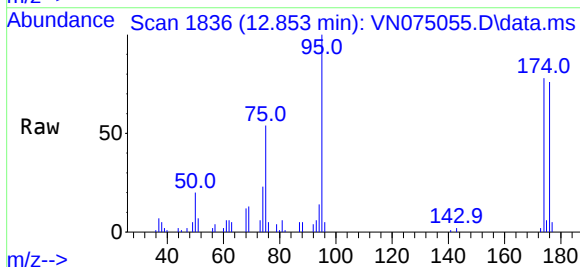
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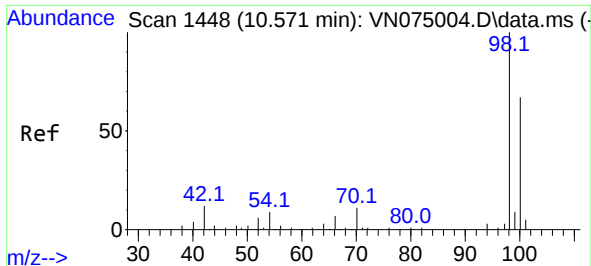
Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
58 173.0 30.0 45.0#
85 0.0 15.0 22.6#



#60
4-Bromofluorobenzene
Concen: 24.648 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

Tgt Ion: 95 Resp: 28223
Ion Ratio Lower Upper
95 100
174 78.0 62.9 94.3
176 75.9 61.0 91.4

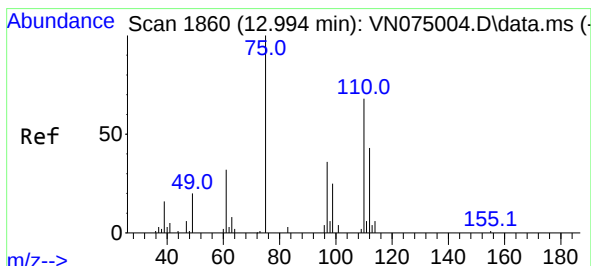
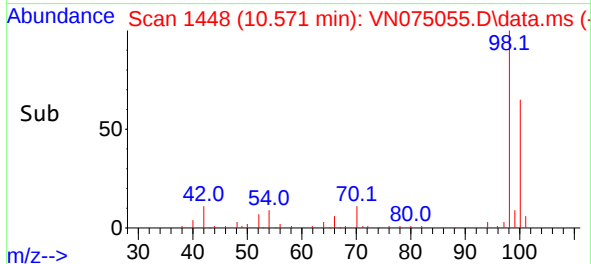
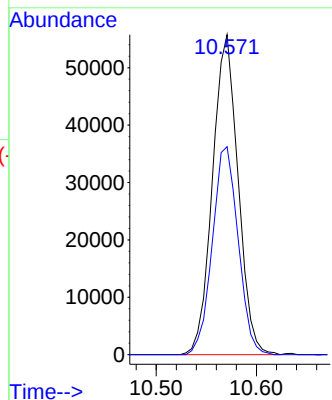
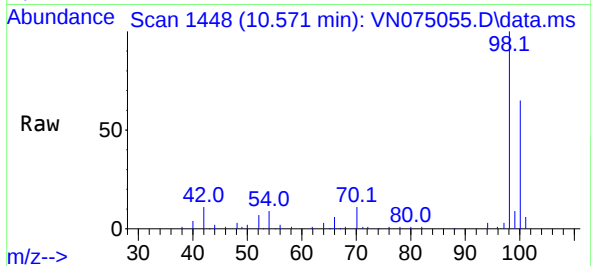




#63
Toluene-d8
Concen: 30.301 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

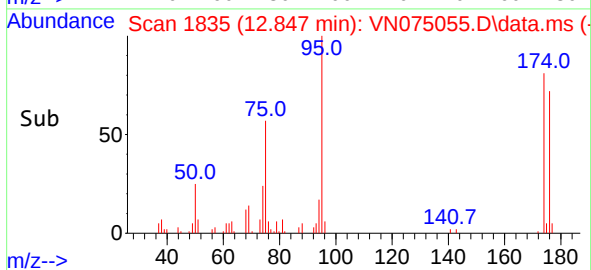
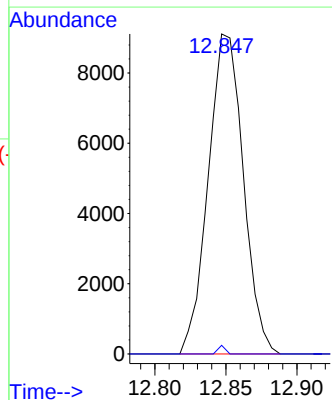
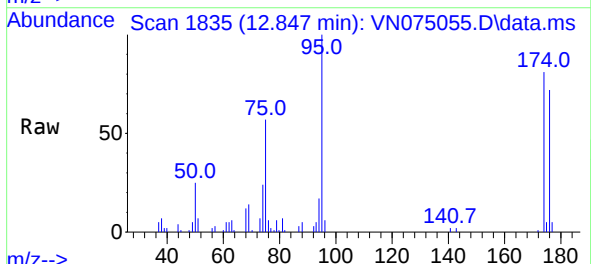
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL02

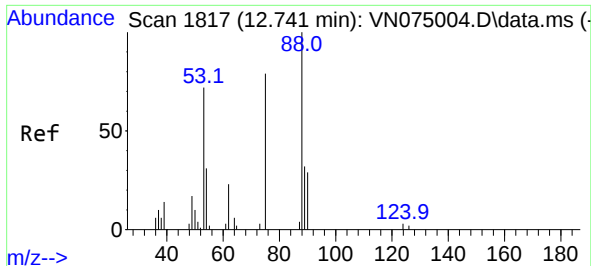
Tgt Ion: 98 Resp: 98764
Ion Ratio Lower Upper
98 100
100 65.6 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 11.873 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

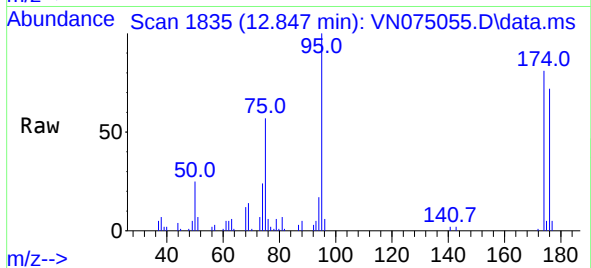
Tgt Ion: 75 Resp: 15686
Ion Ratio Lower Upper
75 100
77 0.0 0.0 378.0





#77
t-1,4-Dichloro-2-butene
Concen: 33.990 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075055.D
Acq: 28 Oct 2022 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL02



Tgt Ion: 75 Resp: 15686
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

