

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
 Data File : VN071993.D
 Acq On : 14 Apr 2022 13:30
 Operator : JC\MD
 Sample : N2420-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 15 01:37:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

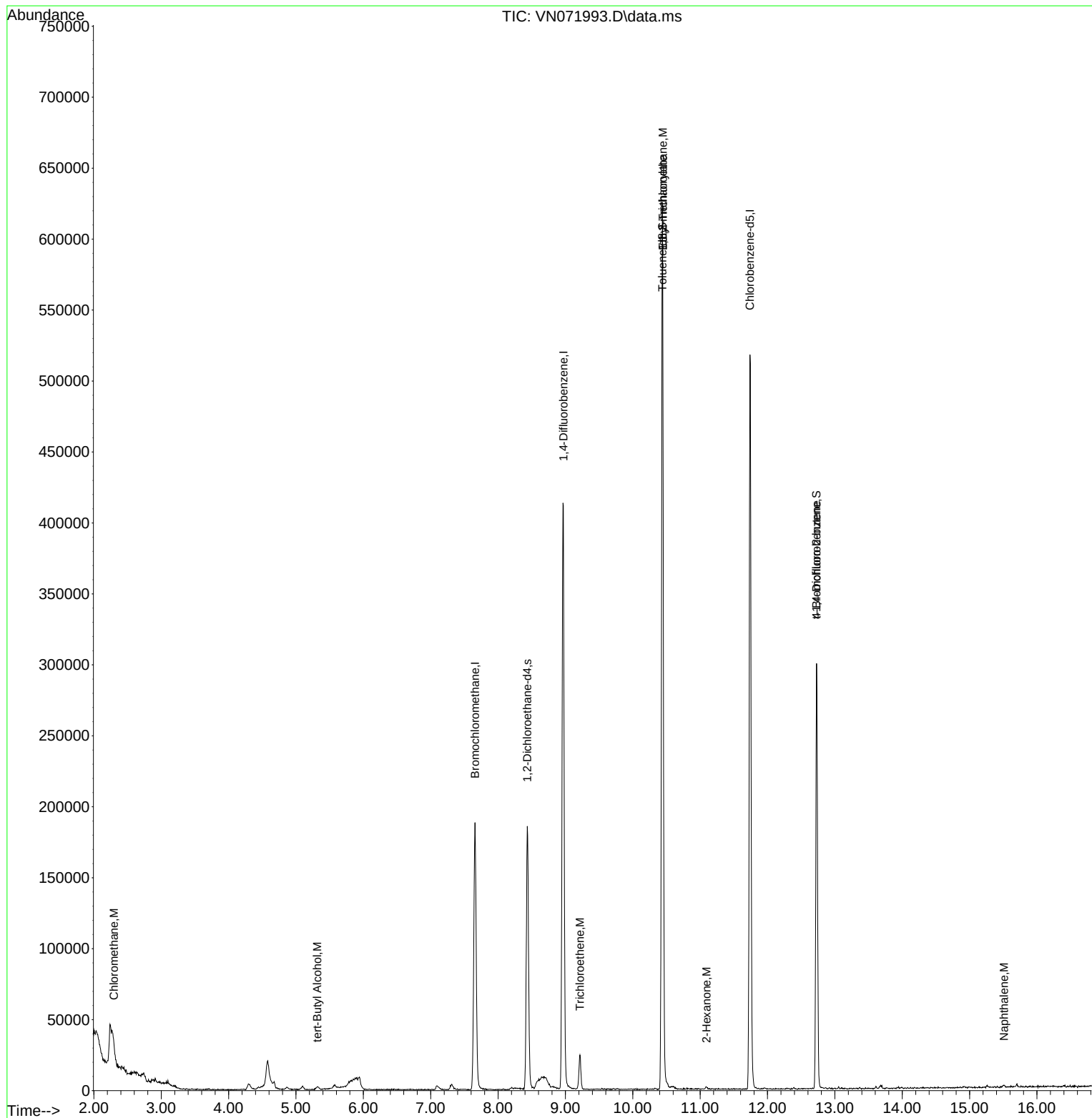
Internal Standards						
1) Bromochloromethane	7.657	128	77159	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.969	114	403092	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	339238	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	155308	28.569	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.233%
60) 4-Bromofluorobenzene	12.727	95	107291	21.330	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	71.100%
63) Toluene-d8	10.439	98	467744	30.374	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.233%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1143	0.202	ug/l	90
23) tert-Butyl Alcohol	5.316	59	1939	1.905	ug/l #	100
37) Trichloroethene	9.216	130	10218	1.954	ug/l	82
50) 1,1,2-Trichloroethane	10.445	97	17930	3.494	ug/l #	1
51) Ethyl methacrylate	10.445	69	1598	0.202	ug/l	73
59) 2-Hexanone	11.092	43	1363	0.290	ug/l #	85
77) t-1,4-Dichloro-2-butene	12.727	75	51973	24.402	ug/l #	8
91) Naphthalene	15.509	128	2728	7.059	ug/l #	74

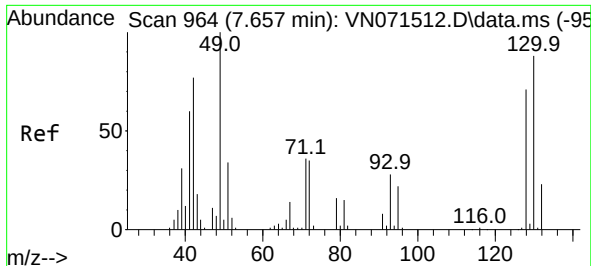
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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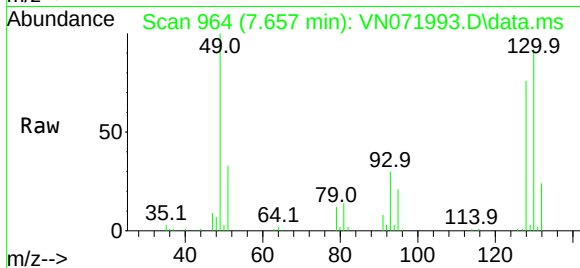
Quant Time: Apr 15 01:37:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 24 12:03:44 2022
Response via : Initial Calibration



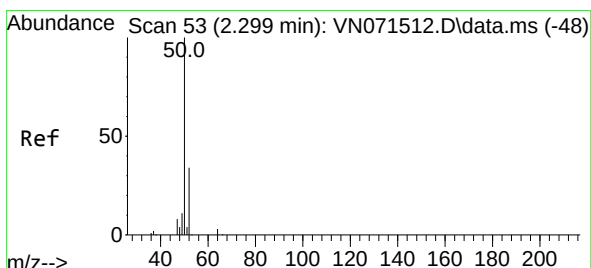
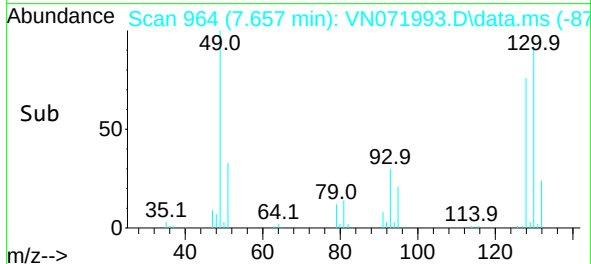
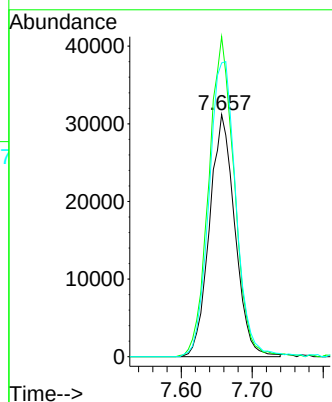


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. -0.000 min
Lab File: VN071993.D
Acq: 14 Apr 2022 13:30

Instrument :
MSVOA_N
ClientSampleId :

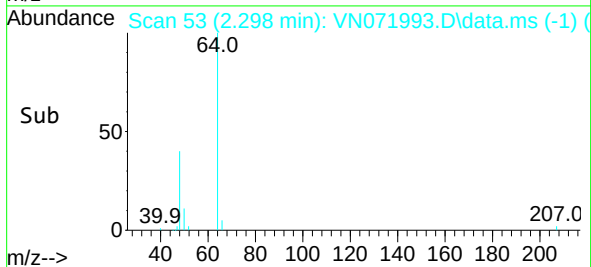
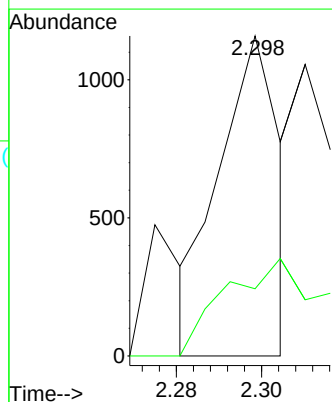
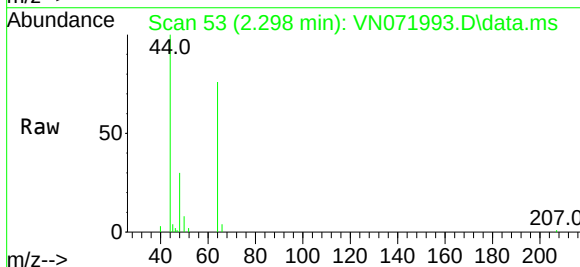


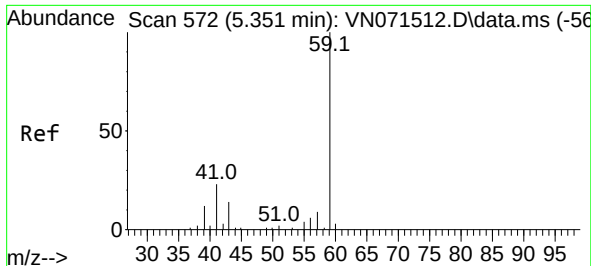
Tgt Ion:128 Resp: 77159
Ion Ratio Lower Upper
128 100
49 133.7 0.0 392.3
130 129.7 0.0 320.2



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071993.D
Acq: 14 Apr 2022 13:30

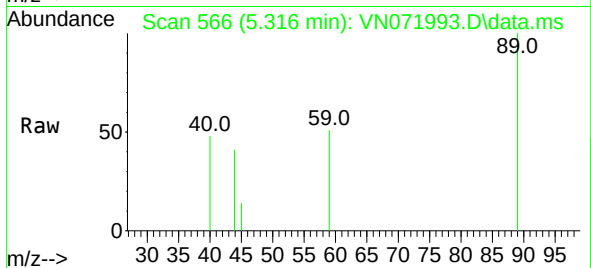
Tgt Ion: 50 Resp: 1143
Ion Ratio Lower Upper
50 100
52 29.1 27.8 41.6



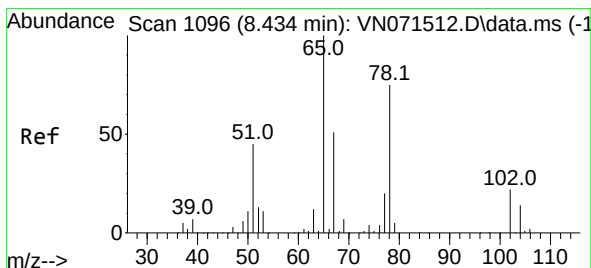
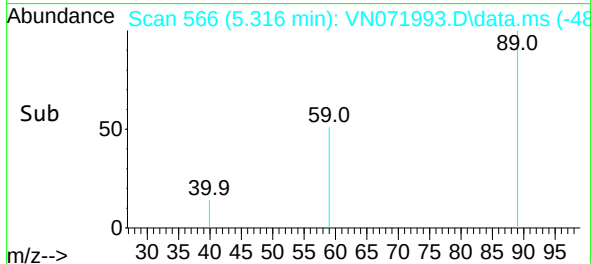
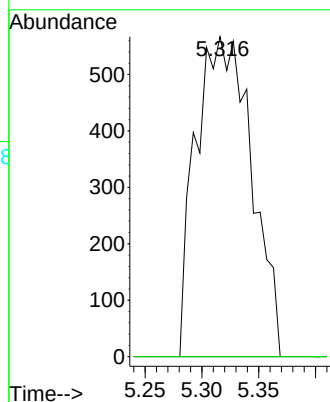


#23
tert-Butyl Alcohol
Concen: 1.905 ug/l
RT: 5.316 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN071993.D
Acq: 14 Apr 2022 13:30

Instrument :
MSVOA_N
ClientSampleId :

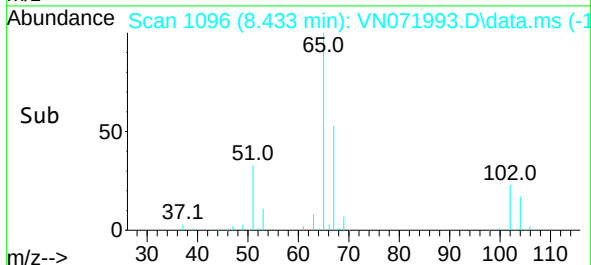
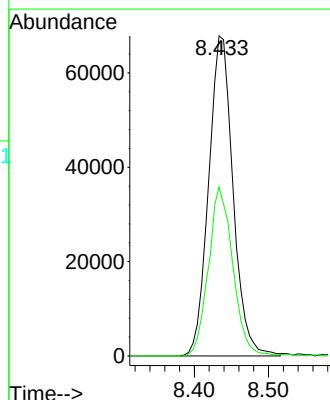
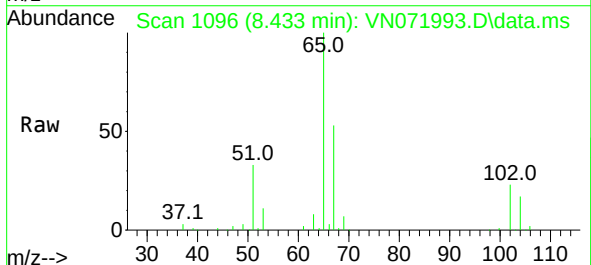


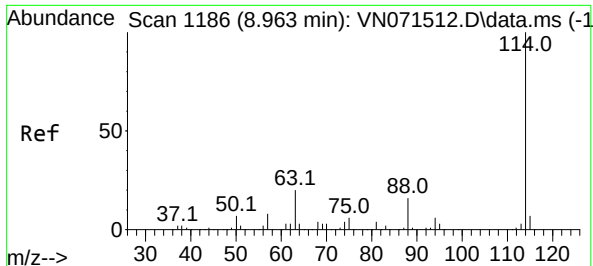
Tgt Ion: 59 Resp: 1939
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 28.569 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071993.D
Acq: 14 Apr 2022 13:30

Tgt Ion: 65 Resp: 155308
Ion Ratio Lower Upper
65 100
67 52.3 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN071993.D

Acq: 14 Apr 2022 13:30

Instrument :

MSVOA_N

ClientSampleId :

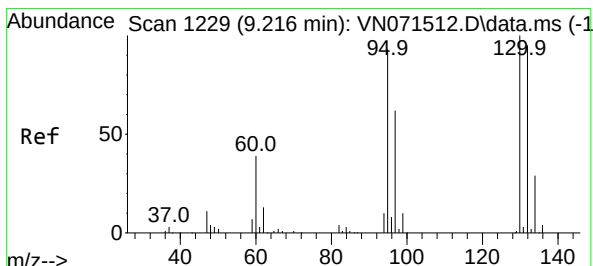
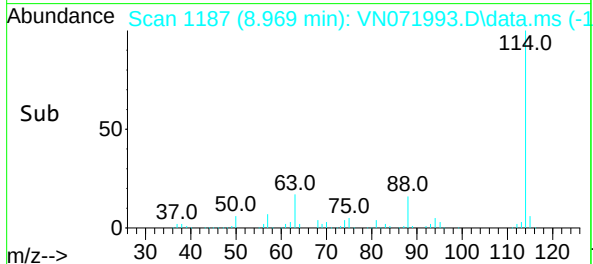
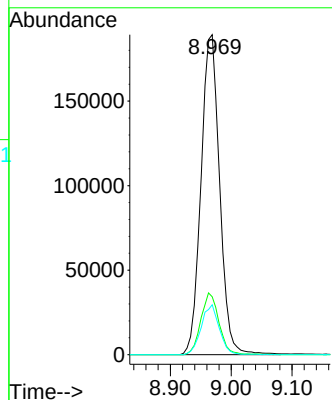
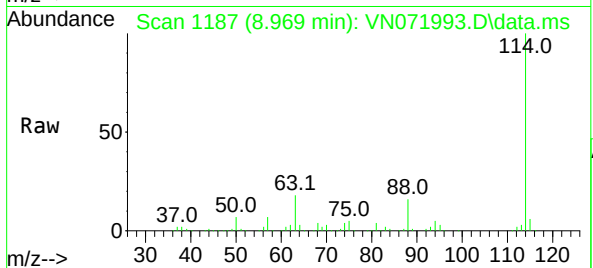
Tgt Ion:114 Resp: 403092

Ion Ratio Lower Upper

114 100

63 18.6 15.8 23.6

88 15.1 11.6 17.4



#37

Trichloroethene

Concen: 1.954 ug/l

RT: 9.216 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VN071993.D

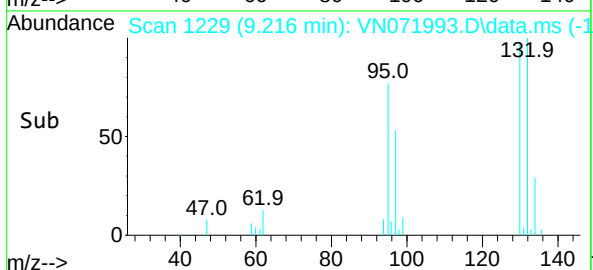
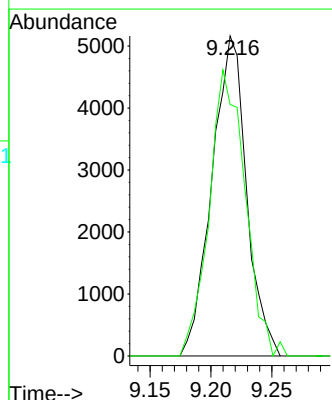
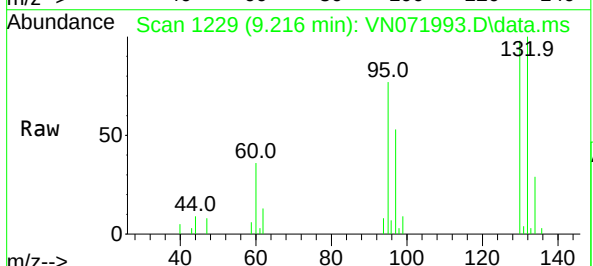
Acq: 14 Apr 2022 13:30

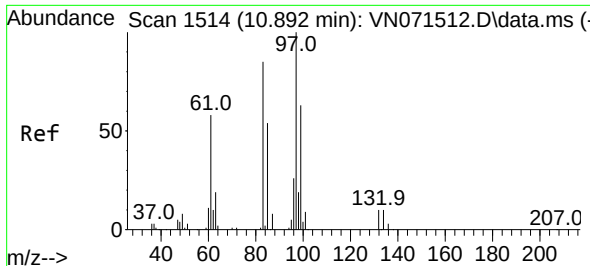
Tgt Ion:130 Resp: 10218

Ion Ratio Lower Upper

130 100

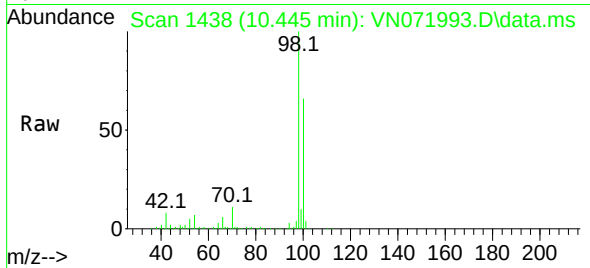
95 78.6 76.6 115.0



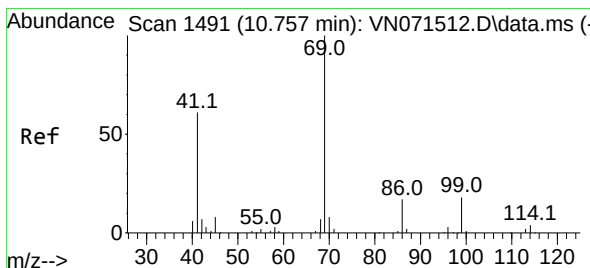
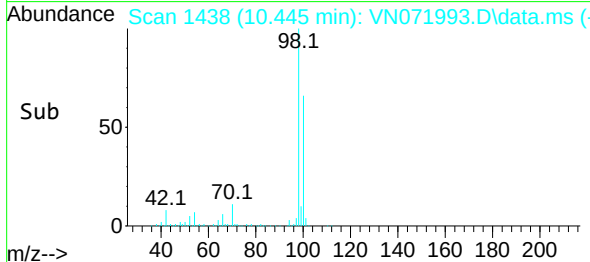
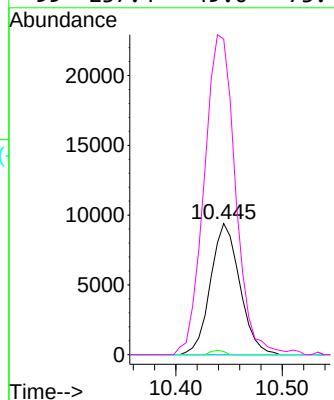


#50
1,1,2-Trichloroethane
Concen: 3.494 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.447 min
Lab File: VN071993.D
Acq: 14 Apr 2022 13:30

Instrument :
MSVOA_N
ClientSampleId :

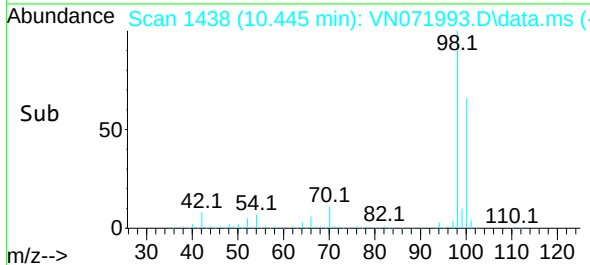
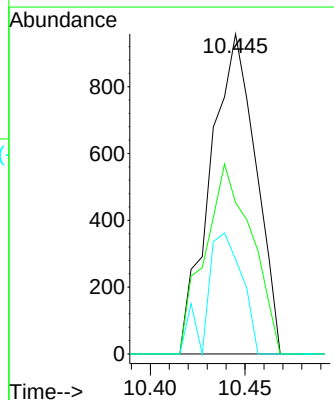
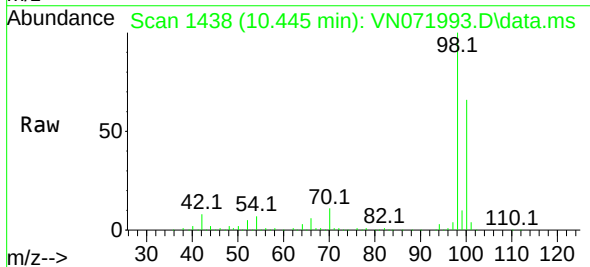


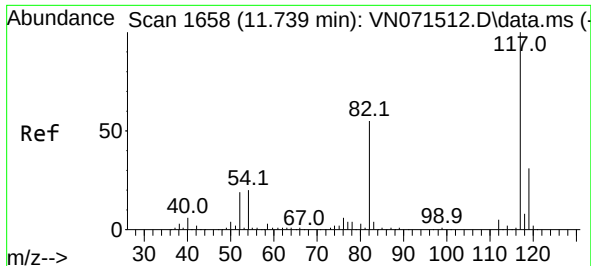
Tgt Ion: 97	Resp: 17930
Ion Ratio	Lower Upper
97	100
83	2.4 67.2 100.8#
85	0.0 43.0 64.4#
99	237.4 49.0 73.4#



#51
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.312 min
Lab File: VN071993.D
Acq: 14 Apr 2022 13:30

Tgt Ion: 69	Resp: 1598
Ion Ratio	Lower Upper
69	100
41	47.3 33.0 98.9
39	29.5 25.4 76.4





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN071993.D

Acq: 14 Apr 2022 13:30

Instrument :

MSVOA_N

ClientSampleId :

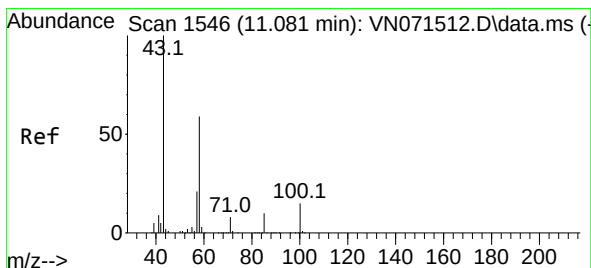
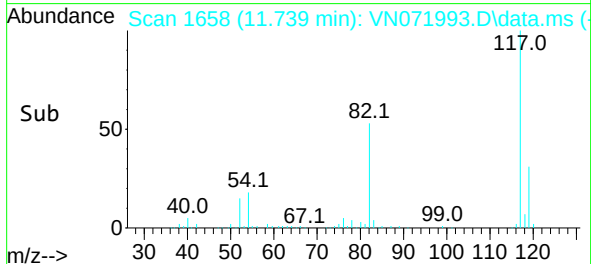
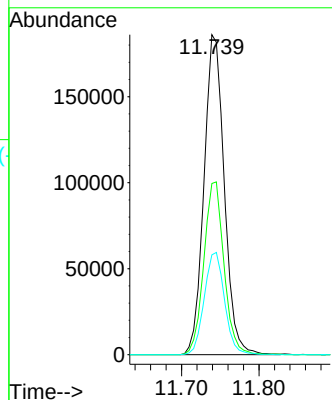
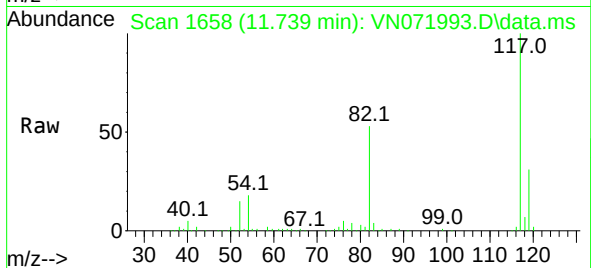
Tgt Ion:117 Resp: 339238

Ion Ratio Lower Upper

117 100

82 53.7 43.6 65.4

119 32.0 25.8 38.6



#59

2-Hexanone

Concen: 0.290 ug/l

RT: 11.092 min Scan# 1548

Delta R.T. 0.011 min

Lab File: VN071993.D

Acq: 14 Apr 2022 13:30

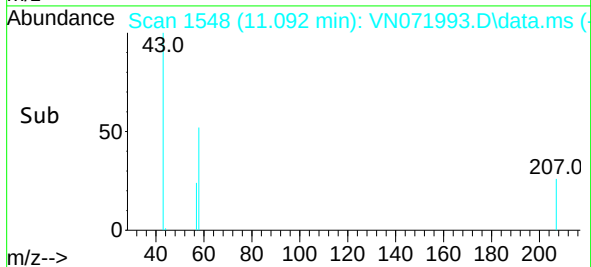
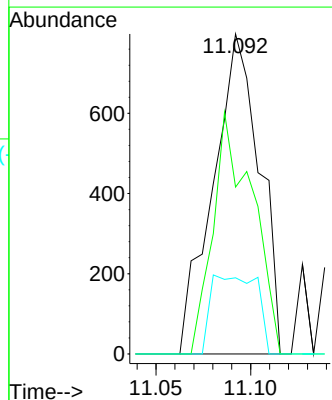
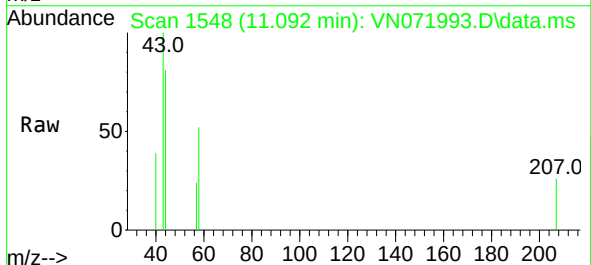
Tgt Ion: 43 Resp: 1363

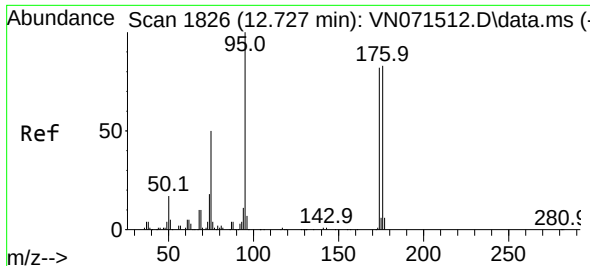
Ion Ratio Lower Upper

43 100

58 38.3 42.2 63.2#

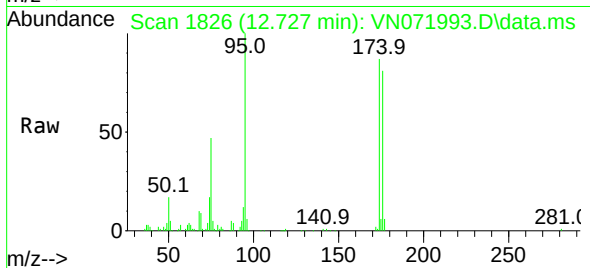
57 19.4 15.0 22.4



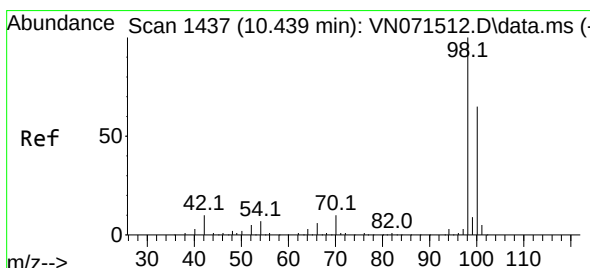
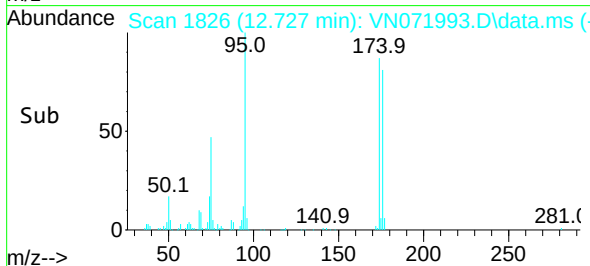
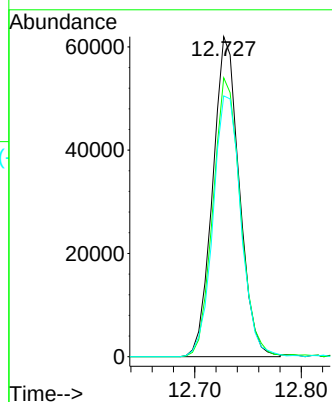


#60
4-Bromofluorobenzene
Concen: 21.330 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071993.D
Acq: 14 Apr 2022 13:30

Instrument :
MSVOA_N
ClientSampleId :

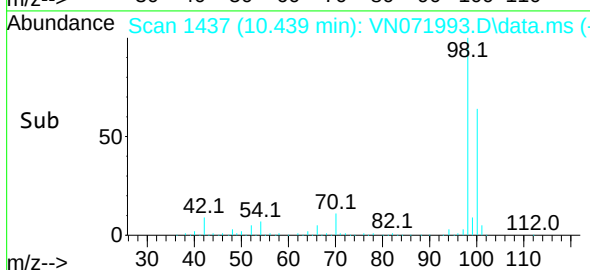
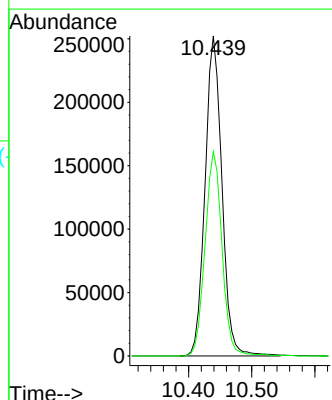
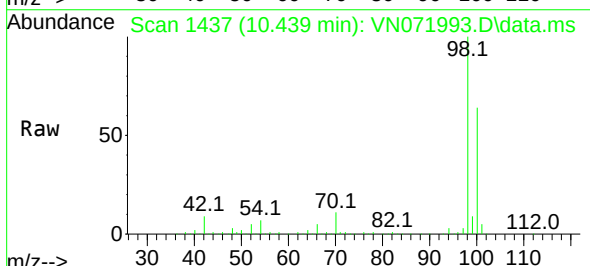


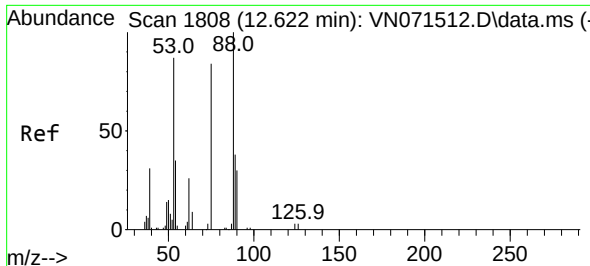
Tgt Ion: 95 Resp: 107291
Ion Ratio Lower Upper
95 100
174 89.4 62.9 94.3
176 85.4 61.0 91.4



#63
Toluene-d8
Concen: 30.374 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071993.D
Acq: 14 Apr 2022 13:30

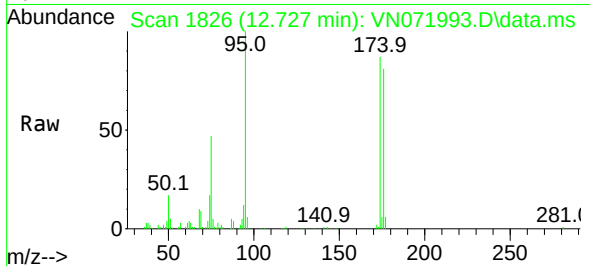
Tgt Ion: 98 Resp: 467744
Ion Ratio Lower Upper
98 100
100 64.1 50.6 76.0



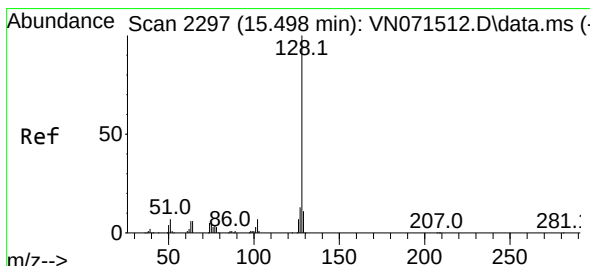
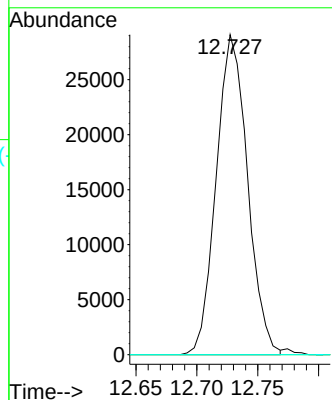
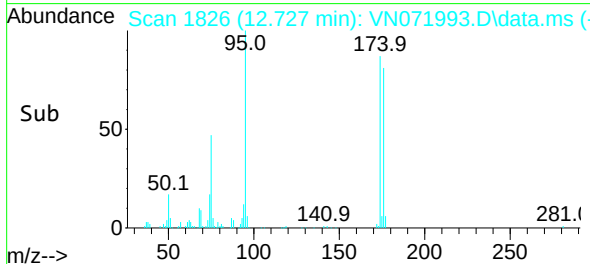


#77
t-1,4-Dichloro-2-butene
Concen: 24.402 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071993.D
Acq: 14 Apr 2022 13:30

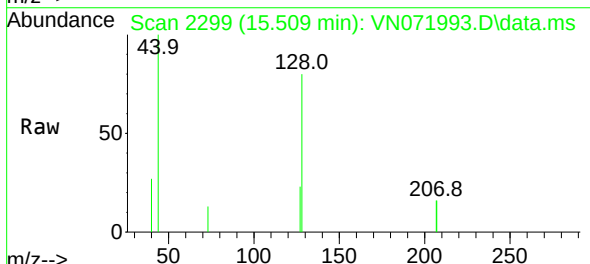
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 51973
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 7.059 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.011 min
Lab File: VN071993.D
Acq: 14 Apr 2022 13:30



Tgt Ion: 128 Resp: 2728
Ion Ratio Lower Upper
128 100
127 4.4 10.7 16.1#
129 0.0 9.0 13.6#

