

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072509.D
 Acq On : 16 May 2022 18:33
 Operator : JC\MD
 Sample : N2804-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FE-FB-05112022

Quant Time: May 17 07:19:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 17 06:34:50 2022
 Response via : Initial Calibration

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

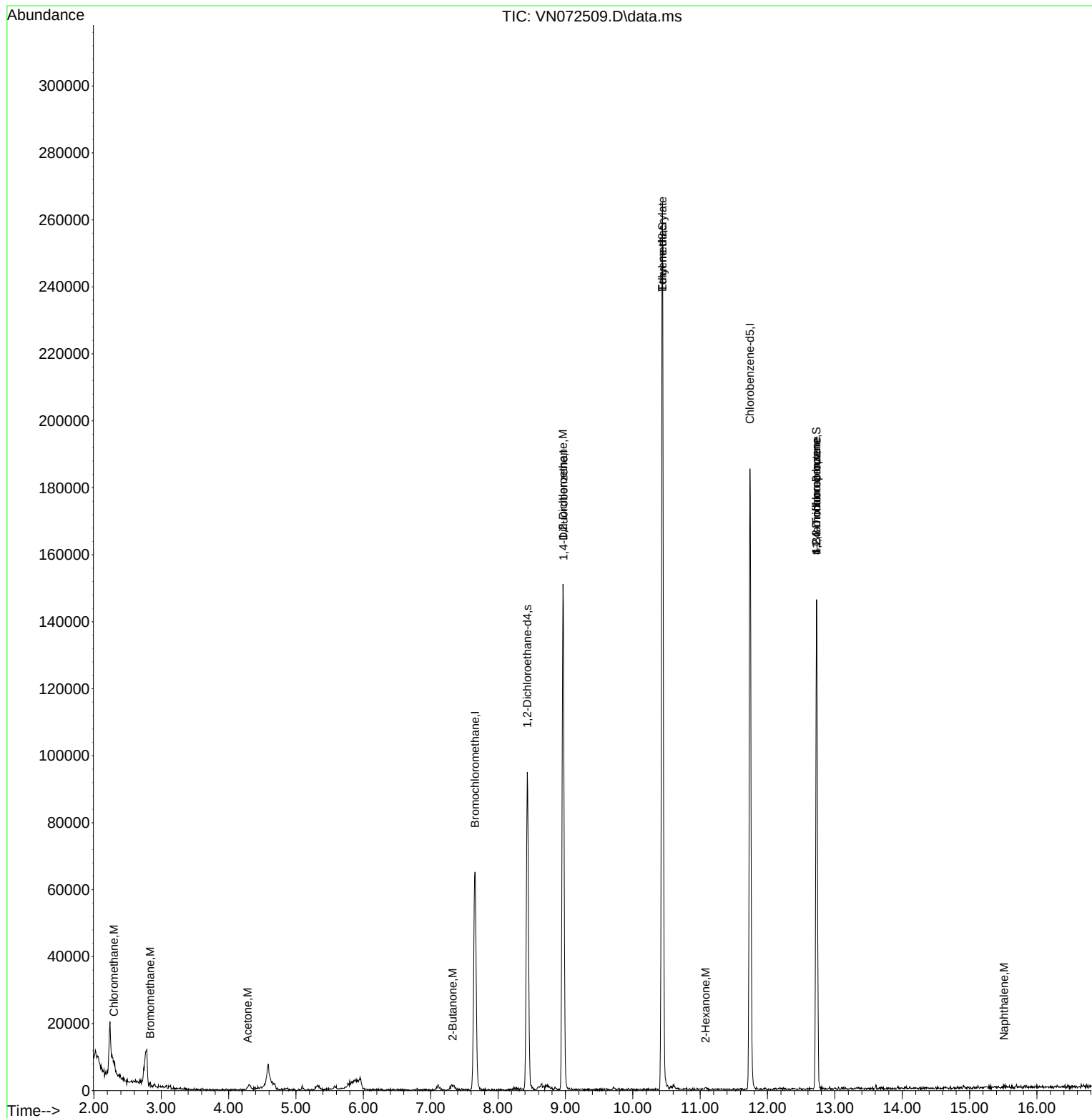
Internal Standards						
1) Bromochloromethane	7.657	128	23902	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.969	114	124230	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	106828	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	84579	31.447	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.833%
60) 4-Bromofluorobenzene	12.727	95	50241	24.086	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.300%
63) Toluene-d8	10.439	98	179475	30.777	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	443	0.247	ug/l #	40
5) Bromomethane	2.834	94	523	0.425	ug/l #	76
15) Acetone	4.281	58	68	0.250	ug/l #	1
30) 2-Butanone	7.328	43	626	0.437	ug/l #	70
36) 1,2-Dichloroethane	8.963	62	5428	1.658	ug/l #	77
51) Ethyl methacrylate	10.439	69	642	0.218	ug/l #	73
59) 2-Hexanone	11.080	43	477	0.258	ug/l #	34
72) 1,2,3-Trichloropropane	12.727	75	28095	12.151	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	28095	36.776	ug/l #	8
91) Naphthalene	15.510	128	452	7.837	ug/l #	68

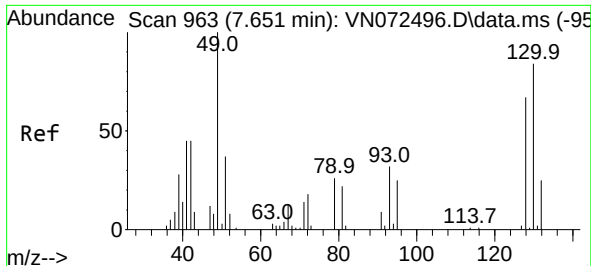
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 17 06:34:50 2022
Response via : Initial Calibration

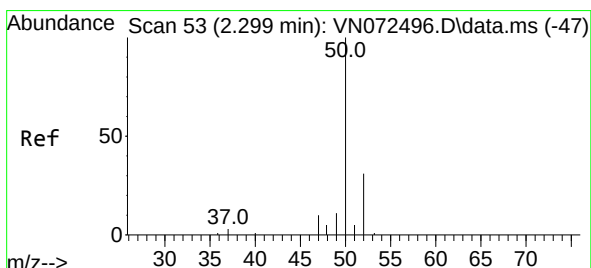
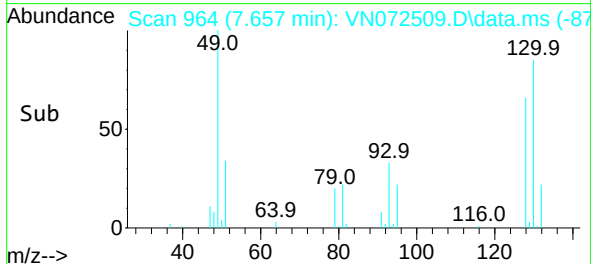
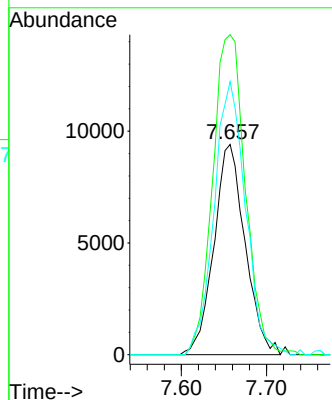
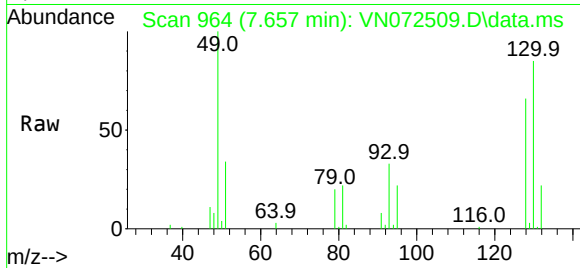




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

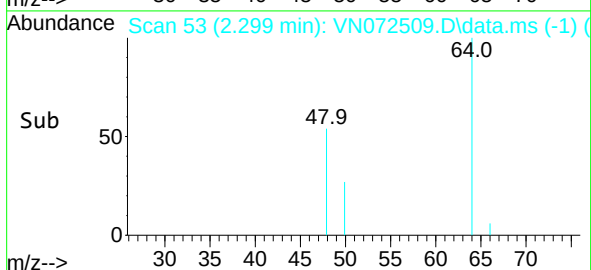
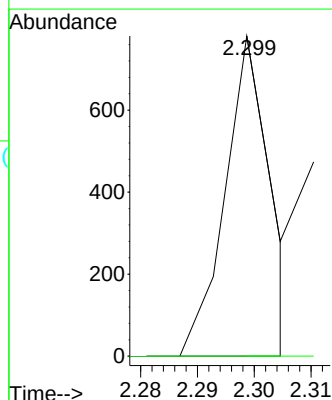
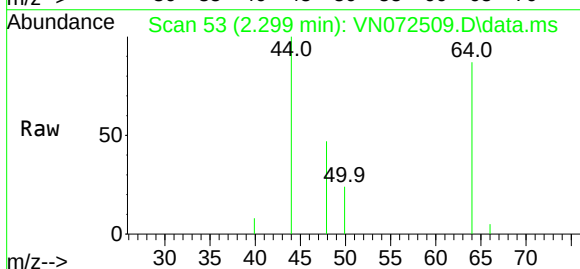
Instrument :
MSVOA_N
ClientSampleId :
FE-FB-05112022

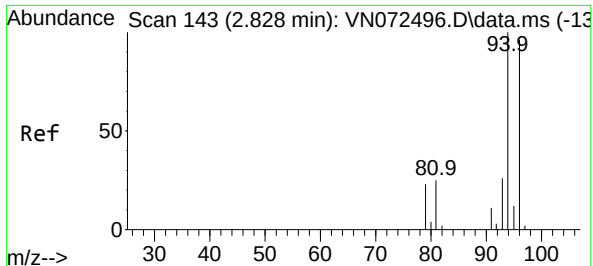
Tgt Ion:128 Resp: 23902
Ion Ratio Lower Upper
128 100
49 159.2 0.0 392.3
130 131.2 0.0 320.2



#3
Chloromethane
Concen: 0.247 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

Tgt Ion: 50 Resp: 443
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

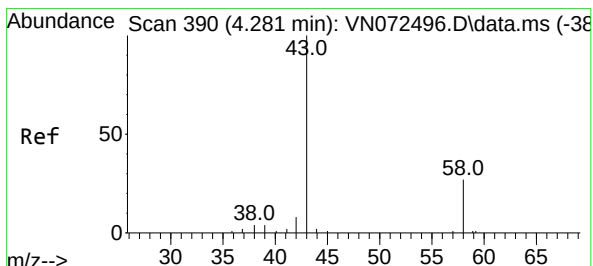
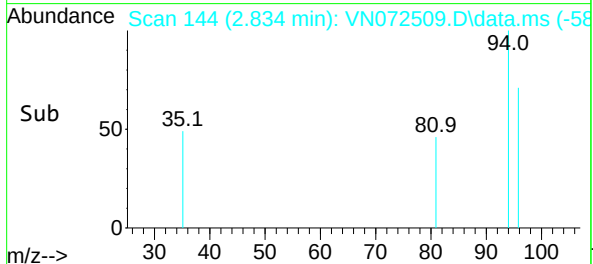
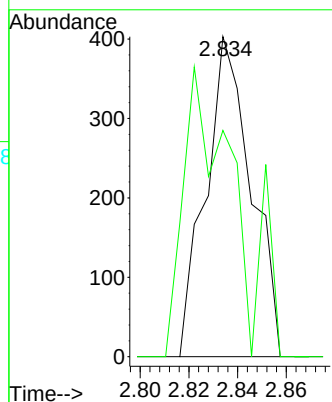
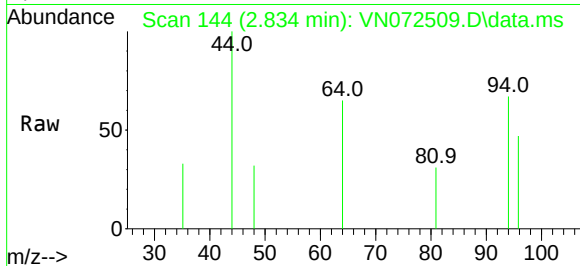




#5
Bromomethane
Concen: 0.425 ug/l
RT: 2.834 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

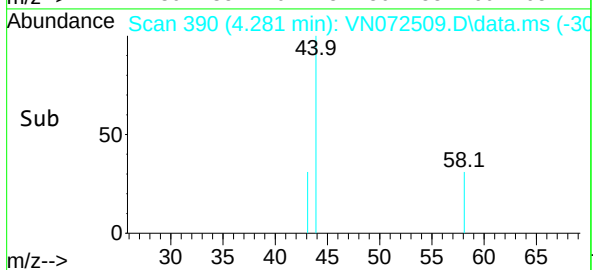
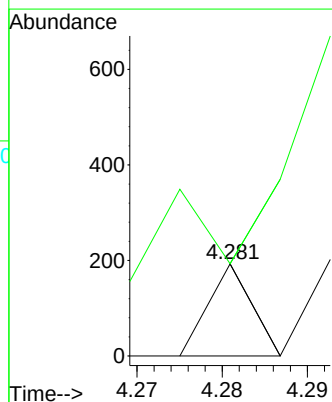
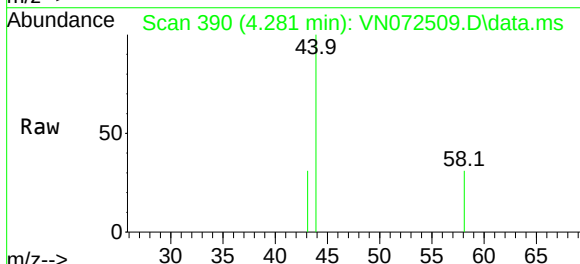
Instrument :
MSVOA_N
ClientSampleId :
FE-FB-05112022

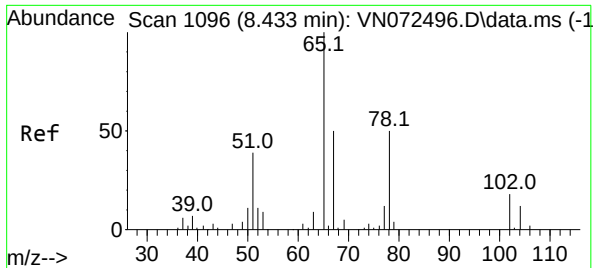
Tgt Ion: 94 Resp: 523
Ion Ratio Lower Upper
94 100
96 70.7 75.2 112.8#



#15
Acetone
Concen: 0.250 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

Tgt Ion: 58 Resp: 68
Ion Ratio Lower Upper
58 100
43 0.0 256.6 384.8#

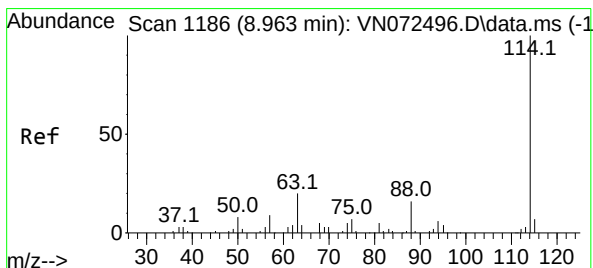
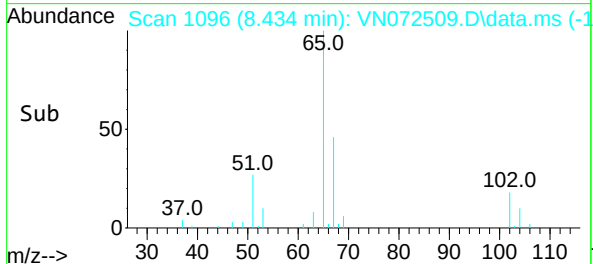
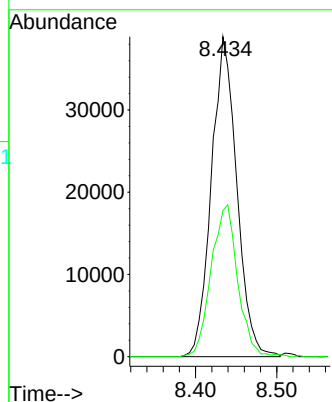
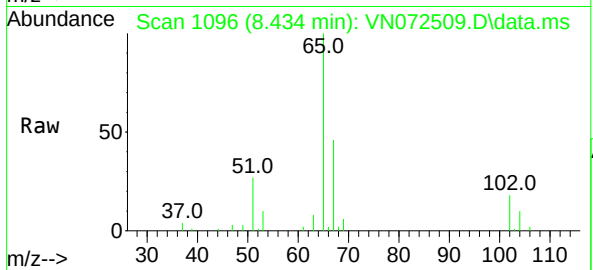




#27
1,2-Dichloroethane-d4
Concen: 31.447 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

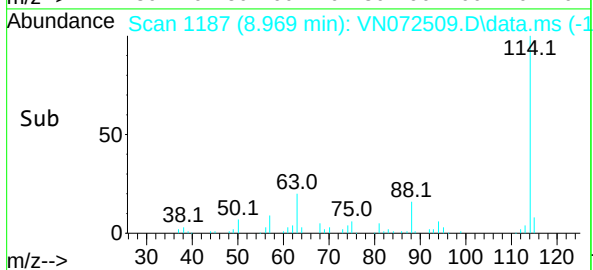
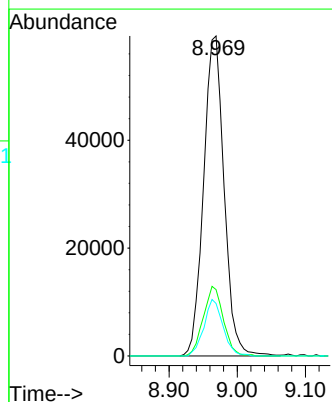
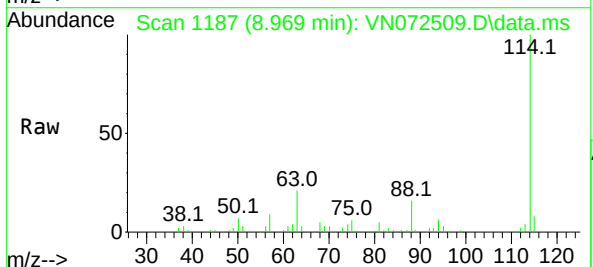
Instrument :
MSVOA_N
ClientSampleId :
FE-FB-05112022

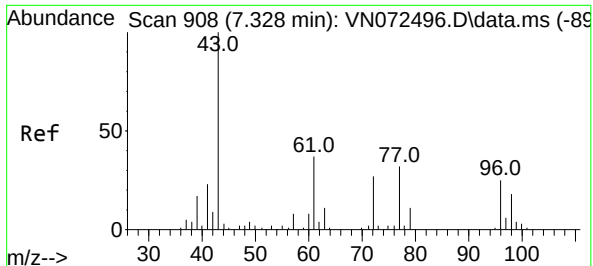
Tgt Ion: 65 Resp: 84579
Ion Ratio Lower Upper
65 100
67 49.3 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

Tgt Ion: 114 Resp: 124230
Ion Ratio Lower Upper
114 100
63 21.1 15.8 23.6
88 16.2 11.6 17.4

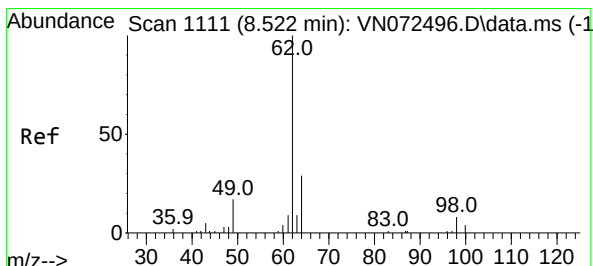
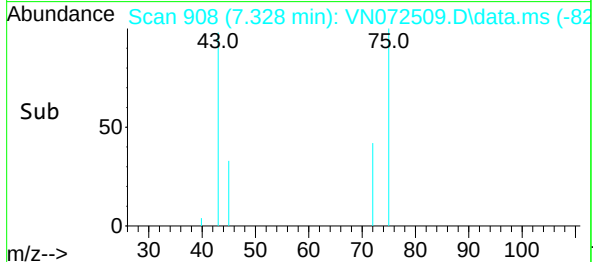
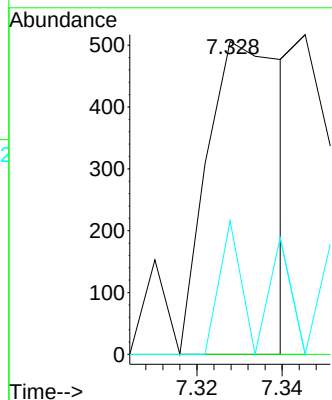
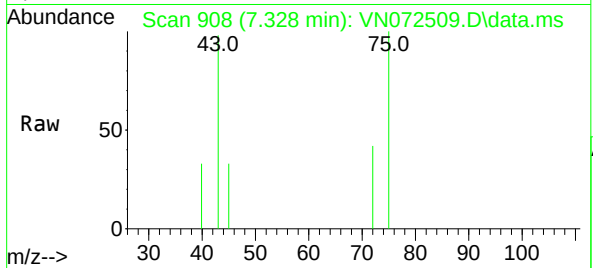




#30
2-Butanone
Concen: 0.437 ug/l
RT: 7.328 min Scan# 908
Delta R.T. 0.000 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

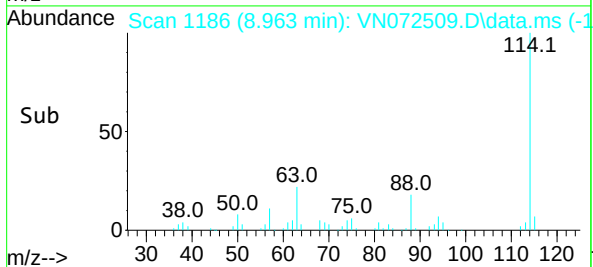
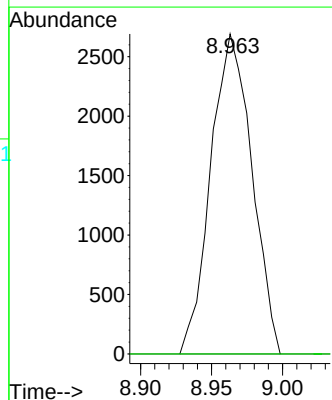
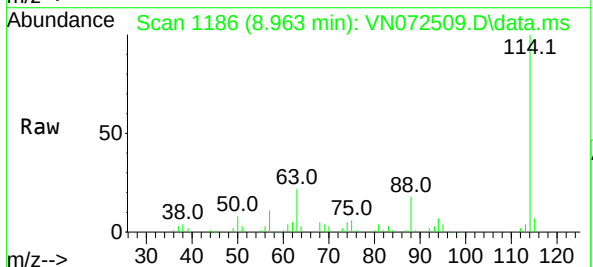
Instrument :
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ClientSampleId :
FE-FB-05112022

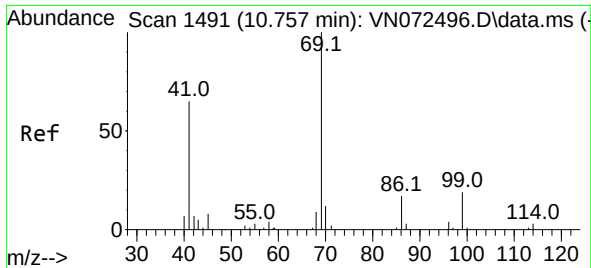
Tgt Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 12.1 23.2 34.8#



#36
1,2-Dichloroethane
Concen: 1.658 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.441 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

Tgt Ion: 62 Resp: 5428
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#



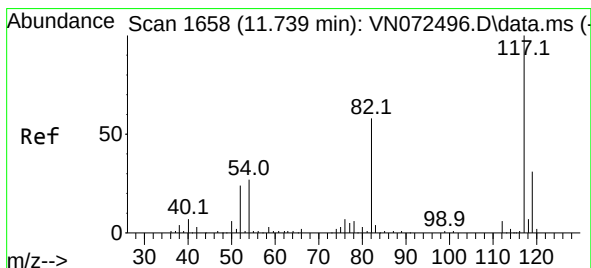
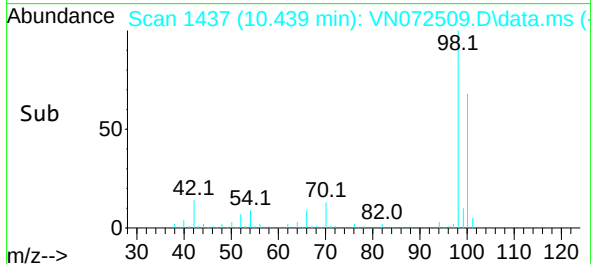
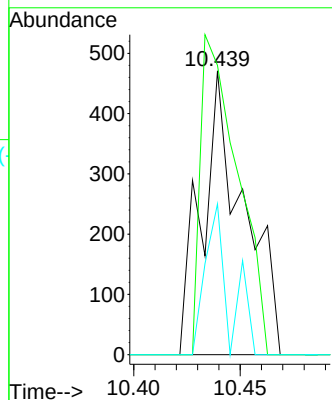
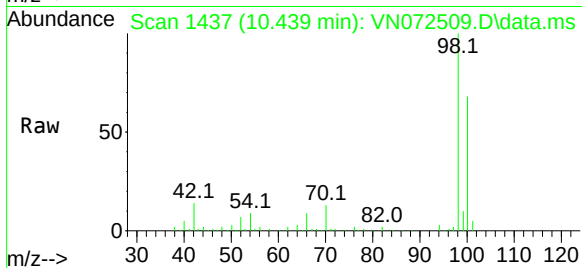


#51
Ethyl methacrylate
Concen: 0.218 ug/l
RT: 10.439 min Scan# 1491
Delta R.T. -0.318 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

Instrument :
MSVOA_N
ClientSampleId :
FE-FB-05112022

Tgt Ion: 69 Resp: 642

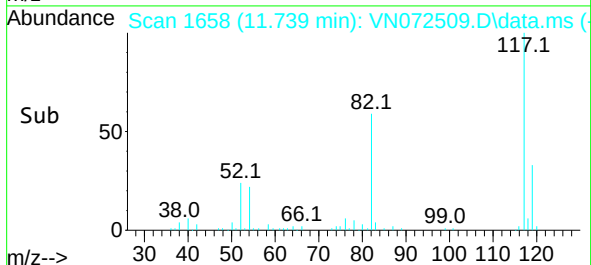
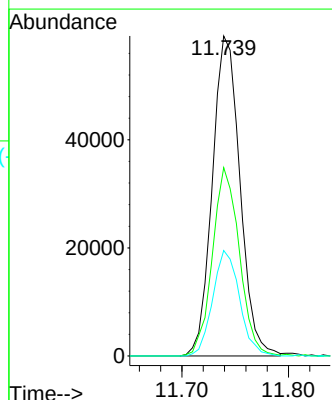
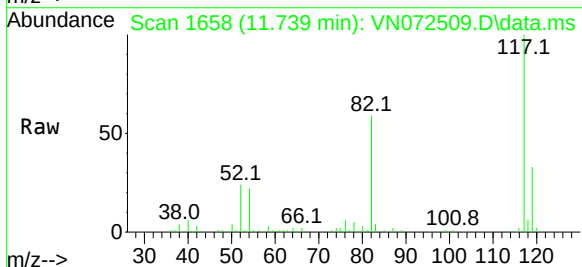
Ion	Ratio	Lower	Upper
69	100		
41	101.9	33.0	98.9#
39	53.1	25.4	76.4

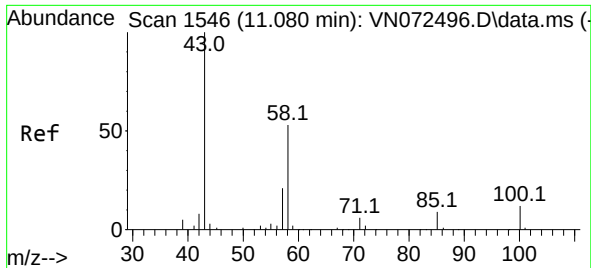


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

Tgt Ion: 117 Resp: 106828

Ion	Ratio	Lower	Upper
117	100		
82	57.2	43.6	65.4
119	32.0	25.8	38.6

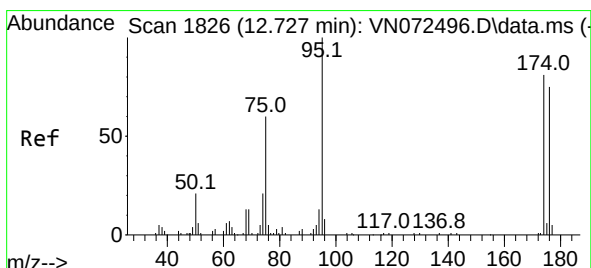
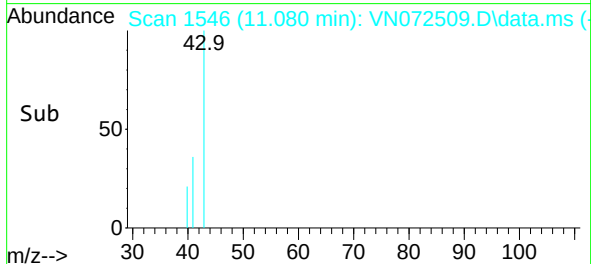
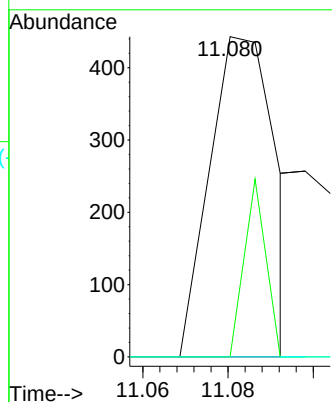
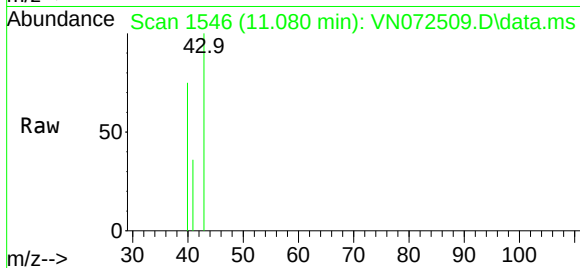




#59
2-Hexanone
Concen: 0.258 ug/l
RT: 11.080 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

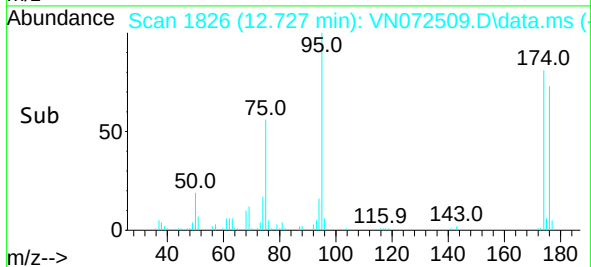
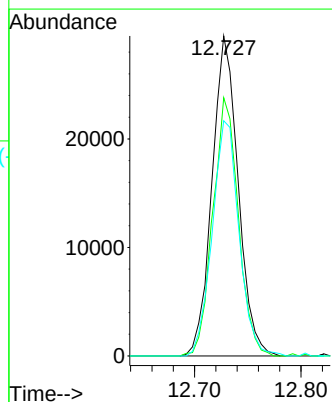
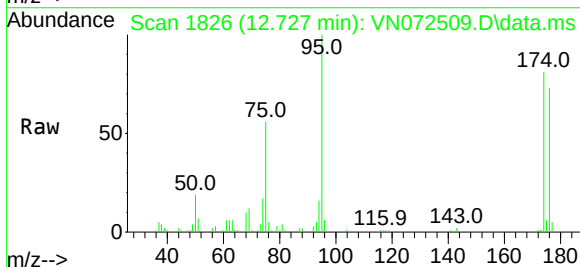
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ClientSampleId :
FE-FB-05112022

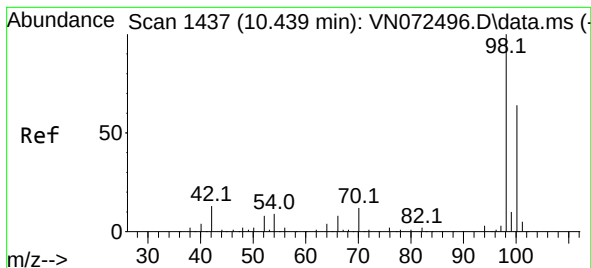
Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
58 0.0 42.2 63.2#
57 0.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 24.086 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

Tgt Ion: 95 Resp: 50241
Ion Ratio Lower Upper
95 100
174 78.7 62.9 94.3
176 75.2 61.0 91.4





#63

Toluene-d8

Concen: 30.777 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072509.D

Acq: 16 May 2022 18:33

Instrument :

MSVOA_N

ClientSampleId :

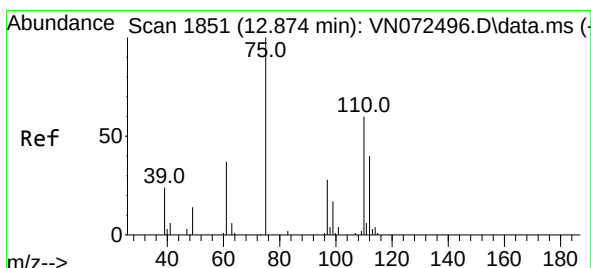
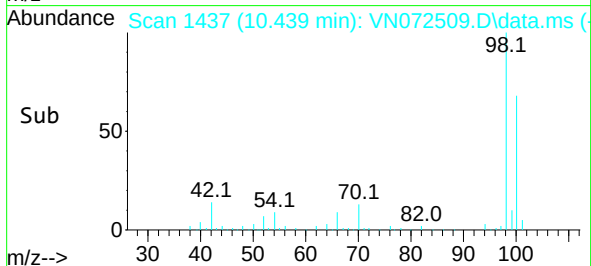
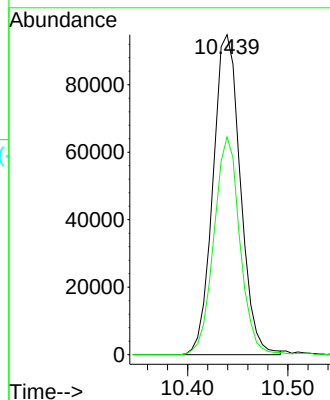
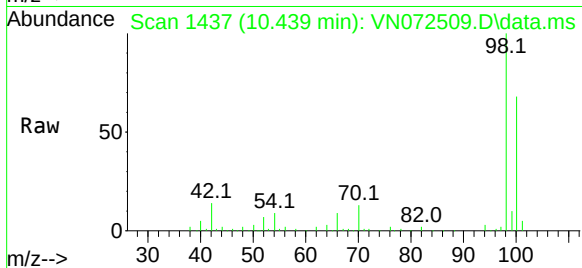
FE-FB-05112022

Tgt Ion: 98 Resp: 179475

Ion Ratio Lower Upper

98 100

100 64.5 50.6 76.0



#72

1,2,3-Trichloropropane

Concen: 12.151 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072509.D

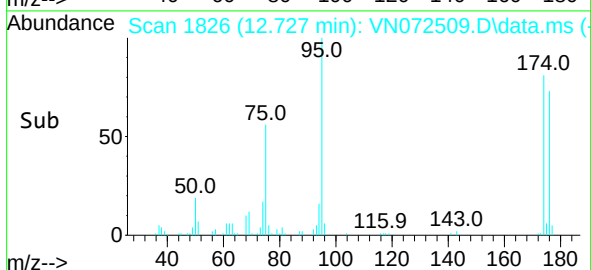
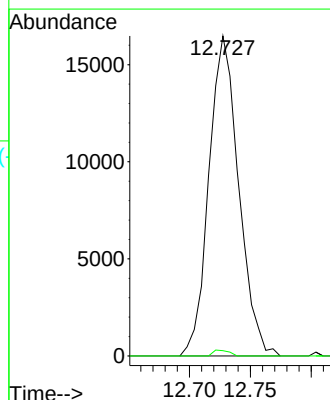
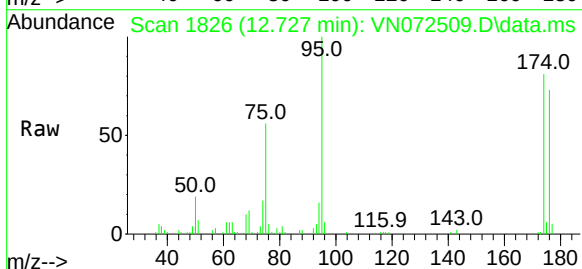
Acq: 16 May 2022 18:33

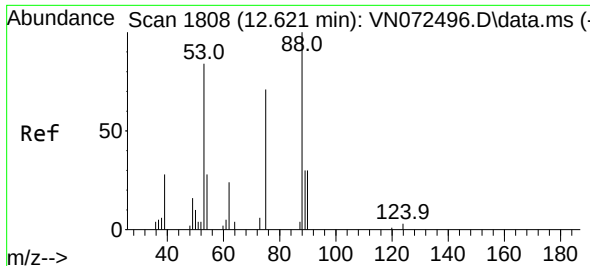
Tgt Ion: 75 Resp: 28095

Ion Ratio Lower Upper

75 100

77 1.0 0.0 378.0

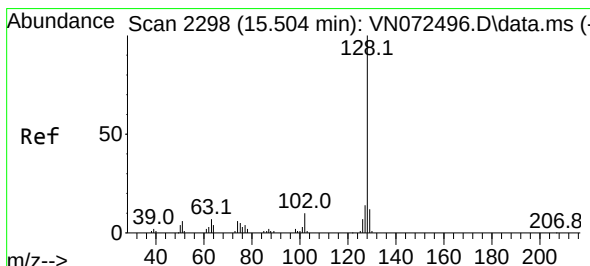
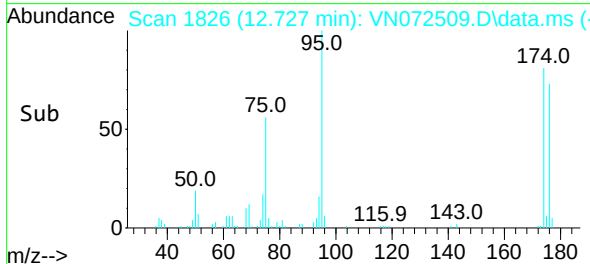
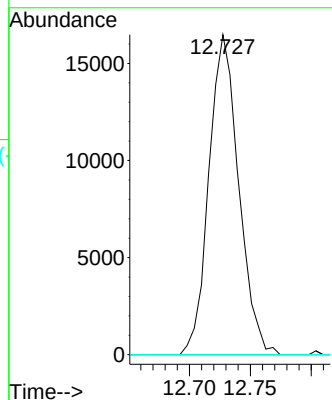
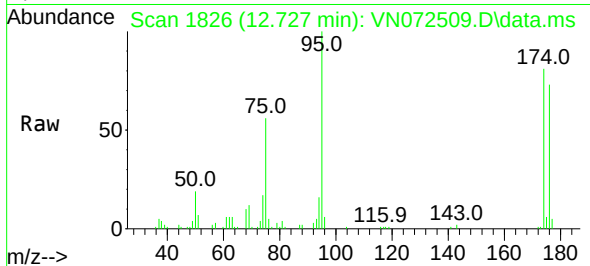




#77
t-1,4-Dichloro-2-butene
Concen: 36.776 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

Instrument :
MSVOA_N
ClientSampleId :
FE-FB-05112022

Tgt Ion: 75 Resp: 28095
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 7.837 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VN072509.D
Acq: 16 May 2022 18:33

Tgt Ion: 128 Resp: 452
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.6#

