

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050422\
 Data File : VN072332.D
 Acq On : 04 May 2022 17:01
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 05 02:21:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

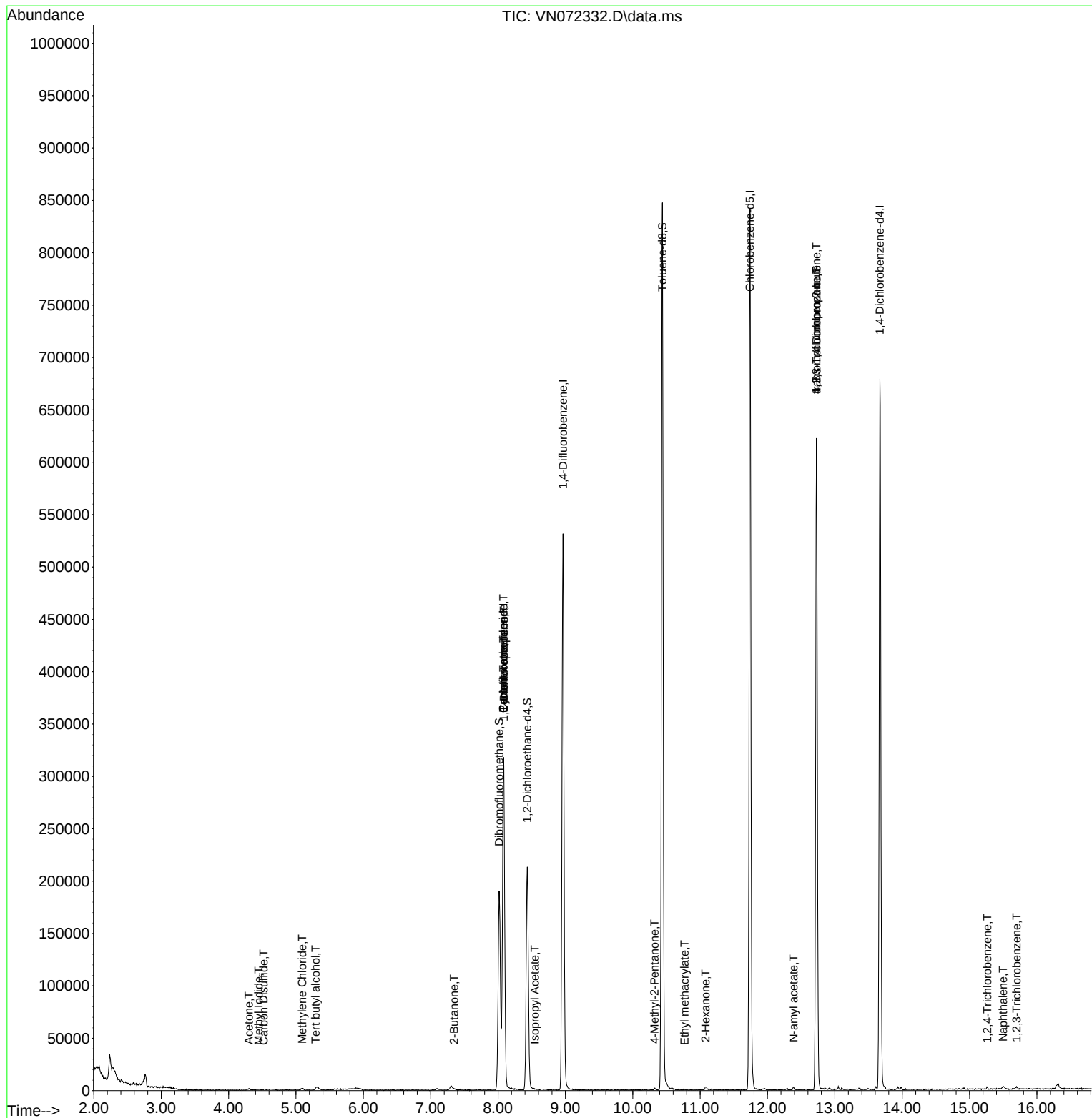
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	228845	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	446055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	474505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	182514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	181676	51.711	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.420%	
35) Dibromofluoromethane	8.016	113	139603	48.898	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.800%	
50) Toluene-d8	10.439	98	570869	50.887	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.727	95	217550	58.424	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 116.840%	
Target Compounds						Qvalue
3) Chloromethane	2.305	50	613	Below Cal	#	43
5) Bromomethane	2.840	94	138	Below Cal		87
6) Chloroethane	3.005	64	513	Below Cal	#	42
10) Methyl Iodide	4.446	142	654	0.228	ug/l	# 78
11) Tert butyl alcohol	5.293	59	1867	3.234	ug/l	# 72
16) Acetone	4.299	43	1392	0.919	ug/l	# 80
17) Carbon Disulfide	4.522	76	508	0.461	ug/l	# 75
20) Methylene Chloride	5.093	84	1227	0.423	ug/l	# 55
25) 2-Butanone	7.345	43	2169	0.899	ug/l	98
31) Cyclohexane	8.081	56	5772	1.230	ug/l	# 39
36) 1,1-Dichloropropene	8.087	75	19846	4.776	ug/l	# 49
38) Carbon Tetrachloride	8.081	117	25250	5.673	ug/l	# 18
43) Isopropyl Acetate	8.545	43	119	0.815	ug/l	# 53
51) 4-Methyl-2-Pentanone	10.322	43	1455	0.279	ug/l	# 70
56) Ethyl methacrylate	10.769	69	130	2.387	ug/l	# 81
59) 2-Hexanone	11.081	43	3118	0.850	ug/l	75
74) N-amyl acetate	12.386	43	1353	0.224	ug/l	# 77
75) 1,1,2,2-Tetrachloroethane	12.822	83	261	Below Cal	#	57
76) 1,2,3-Trichloropropane	12.727	75	118849	28.994	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	118849	75.293	ug/l	# 10
93) 1,2,4-Trichlorobenzene	15.263	180	918	2.731	ug/l	80
95) Naphthalene	15.498	128	3701	4.657	ug/l	# 96
96) 1,2,3-Trichlorobenzene	15.698	180	982	3.005	ug/l	94

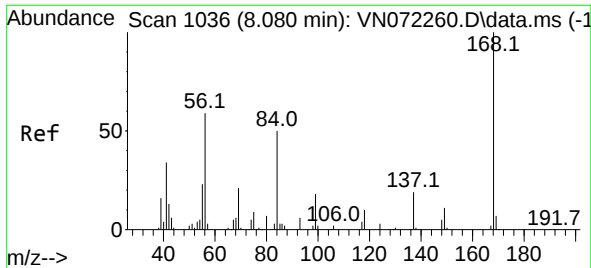
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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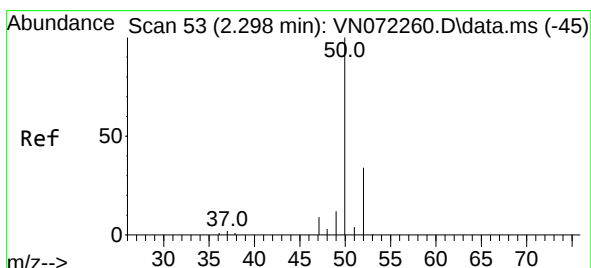
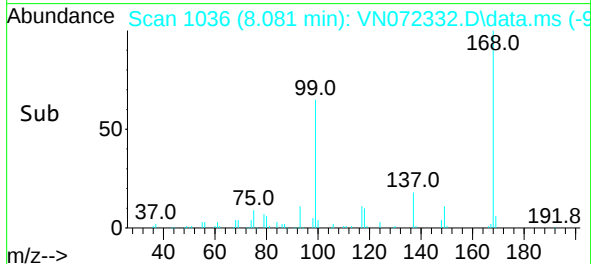
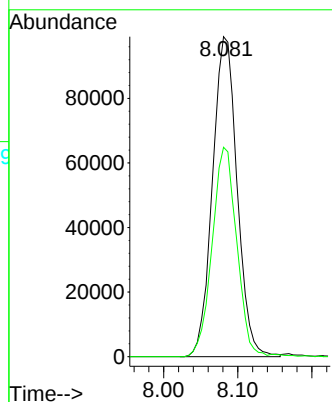
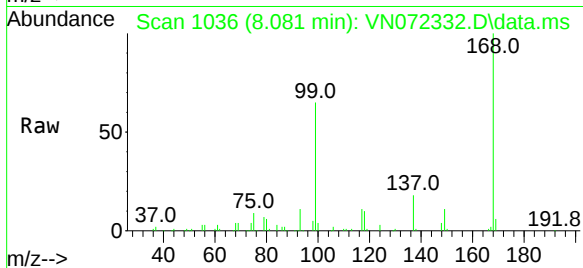




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

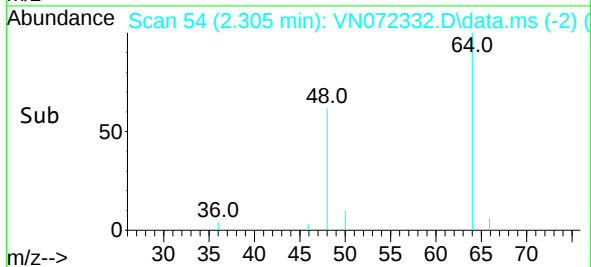
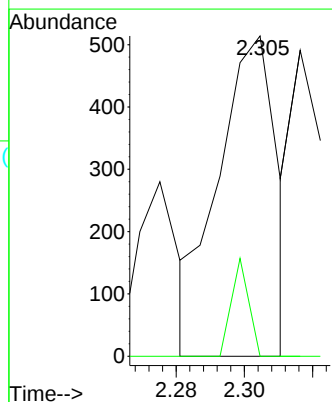
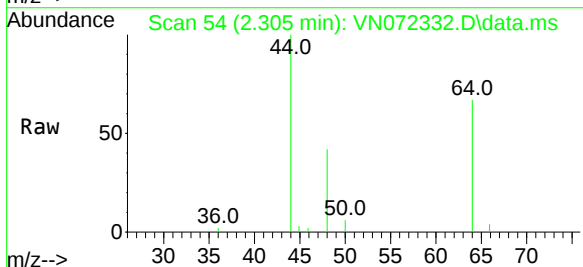
Instrument :
MSVOA_N
ClientSampleId :
IBLK

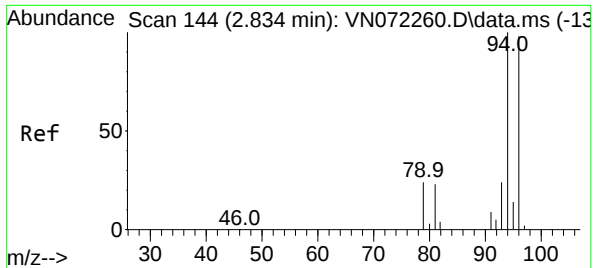
Tgt Ion:168 Resp: 228845
Ion Ratio Lower Upper
168 100
99 65.5 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Tgt Ion: 50 Resp: 613
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

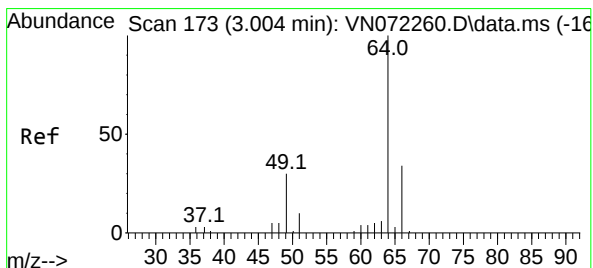
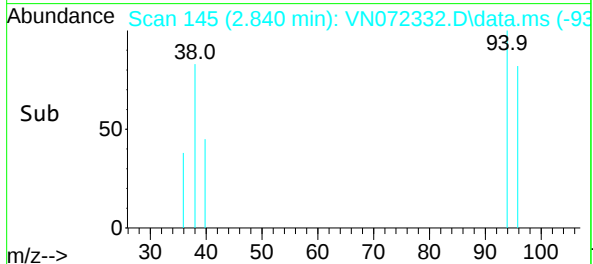
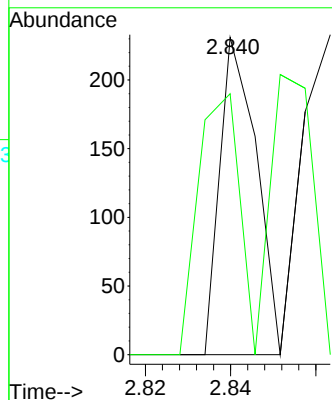
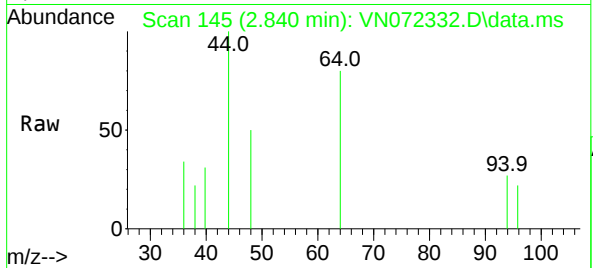




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 144
Delta R.T. 0.006 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

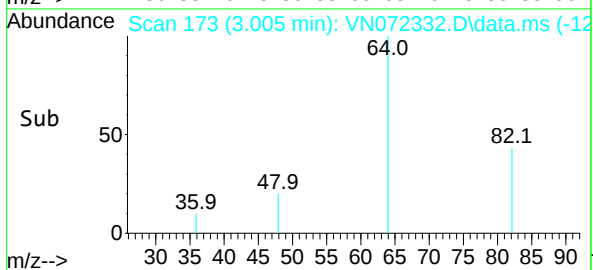
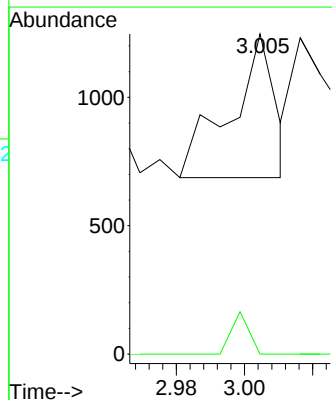
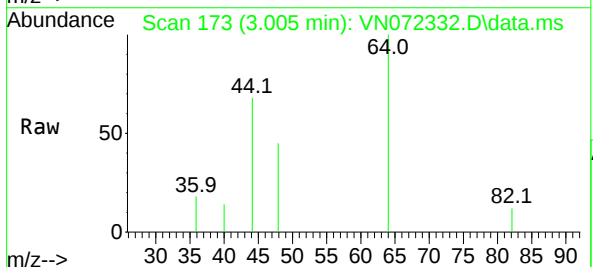
Instrument :
MSVOA_N
ClientSampleId :
IBLK

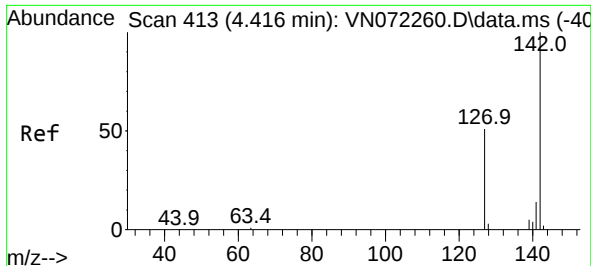
Tgt Ion: 94 Resp: 138
Ion Ratio Lower Upper
94 100
96 82.3 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 3.005 min Scan# 173
Delta R.T. -0.000 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Tgt Ion: 64 Resp: 513
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

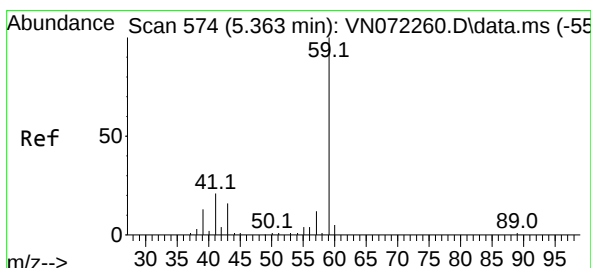
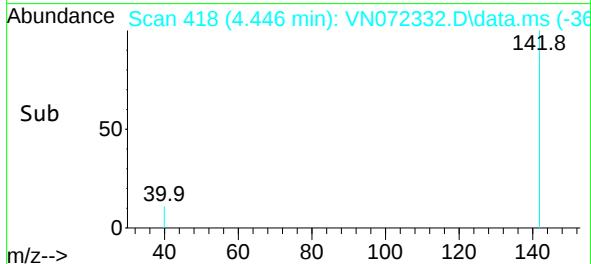
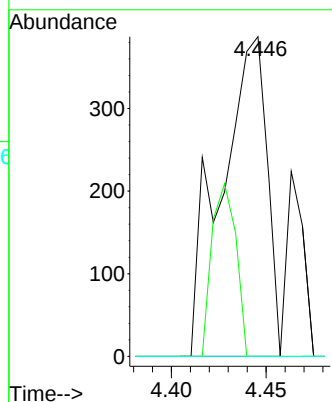
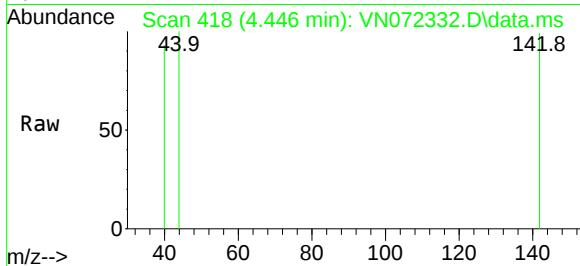




#10
Methyl Iodide
Concen: 0.228 ug/l
RT: 4.446 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

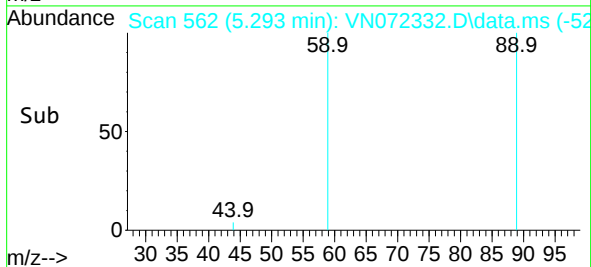
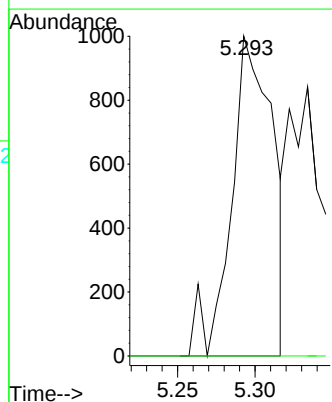
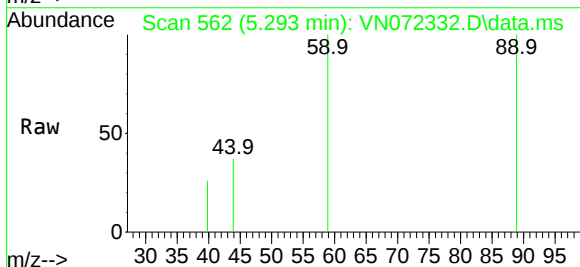
Instrument :
MSVOA_N
ClientSampleId :
IBLK

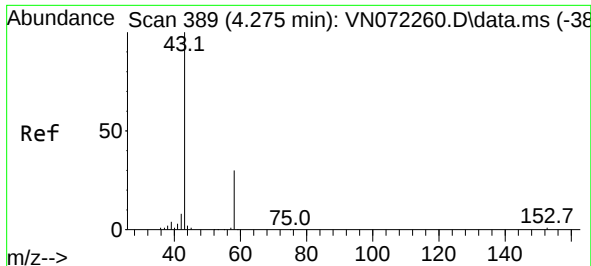
Tgt Ion:142 Resp: 654
Ion Ratio Lower Upper
142 100
127 28.3 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 3.234 ug/l
RT: 5.293 min Scan# 562
Delta R.T. -0.070 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Tgt Ion: 59 Resp: 1867
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.919 ug/l

RT: 4.299 min Scan# 393

Delta R.T. 0.018 min

Lab File: VN072332.D

Acq: 04 May 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

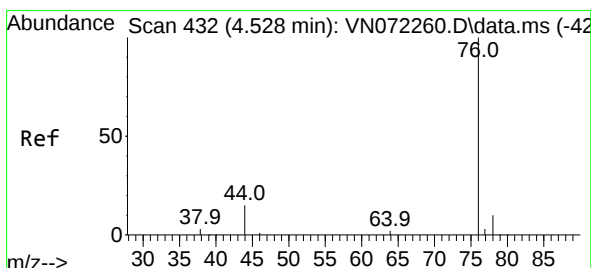
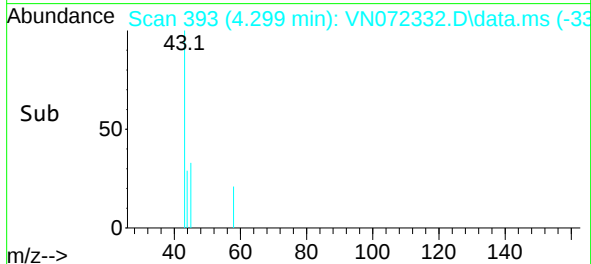
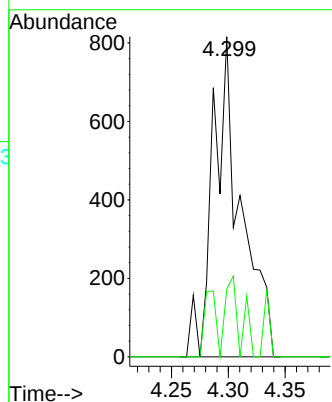
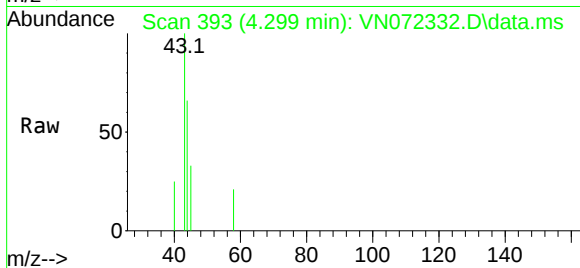
IBLK

Tgt Ion: 43 Resp: 1392

Ion Ratio Lower Upper

43 100

58 21.1 26.0 39.0#



#17

Carbon Disulfide

Concen: 0.461 ug/l

RT: 4.522 min Scan# 431

Delta R.T. -0.012 min

Lab File: VN072332.D

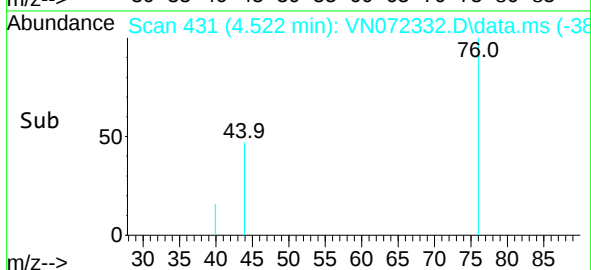
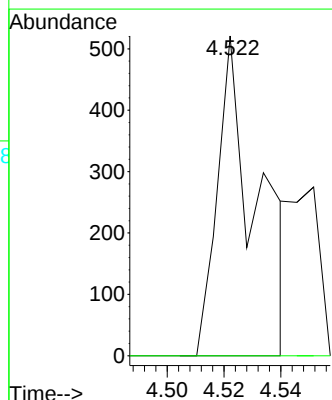
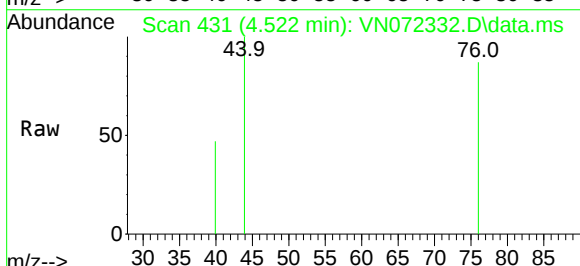
Acq: 04 May 2022 17:01

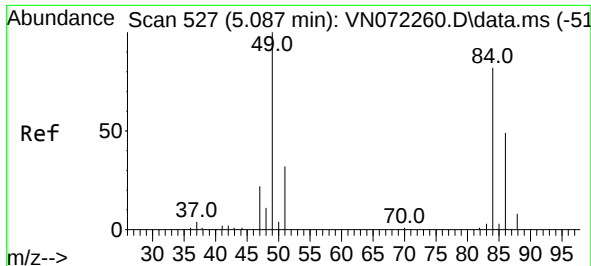
Tgt Ion: 76 Resp: 508

Ion Ratio Lower Upper

76 100

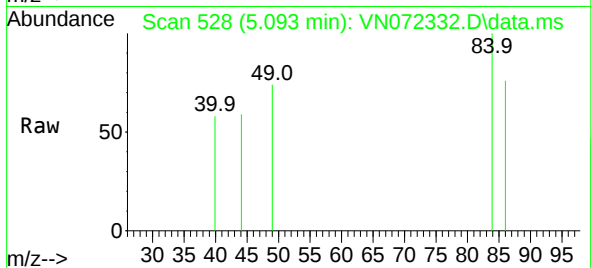
78 0.0 7.2 10.8#





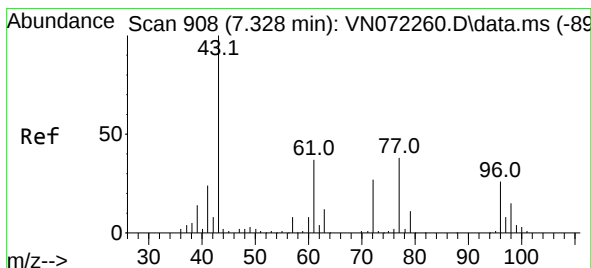
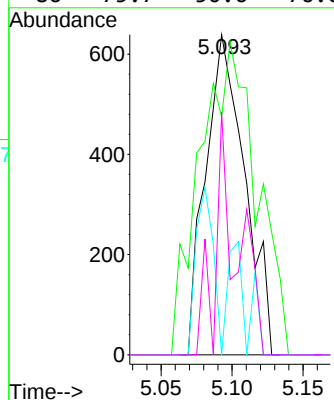
#20
Methylene Chloride
Concen: 0.423 ug/l
RT: 5.093 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion: 84 Resp: 1227

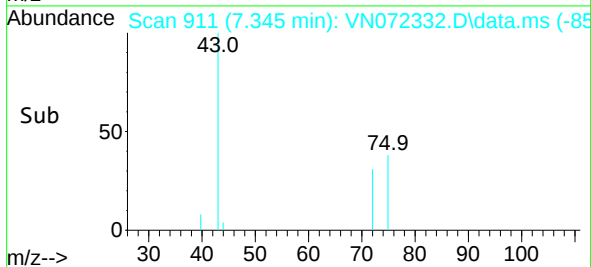
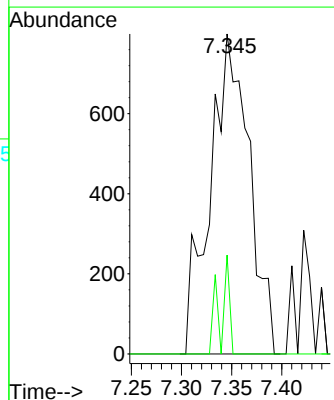
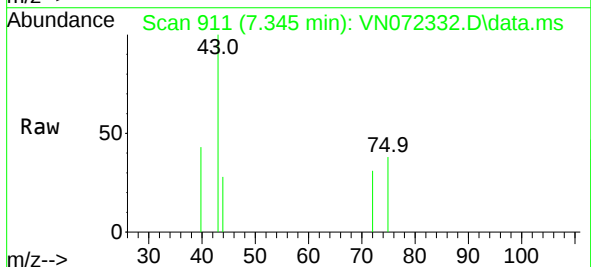
Ion	Ratio	Lower	Upper
84	100		
49	50.5	88.3	132.5#
51	0.0	28.2	42.2#
86	75.7	50.6	76.0

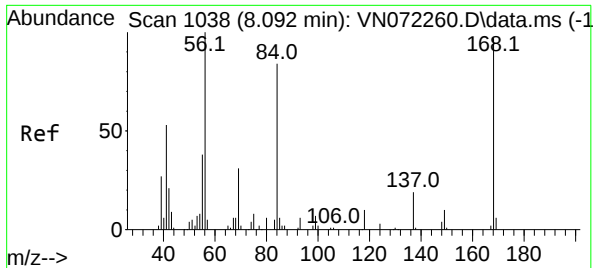


#25
2-Butanone
Concen: 0.899 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Tgt Ion: 43 Resp: 2169

Ion	Ratio	Lower	Upper
43	100		
72	30.9	23.7	35.5





#31

Cyclohexane

Concen: 1.230 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072332.D

Acq: 04 May 2022 17:01

Instrument :

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ClientSampleId :

IBLK

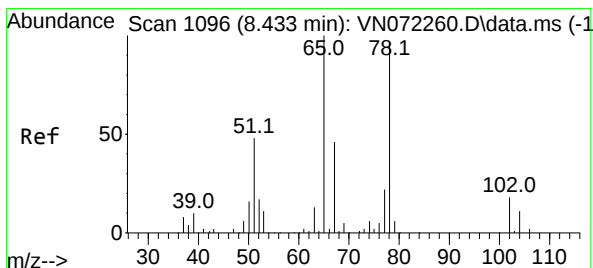
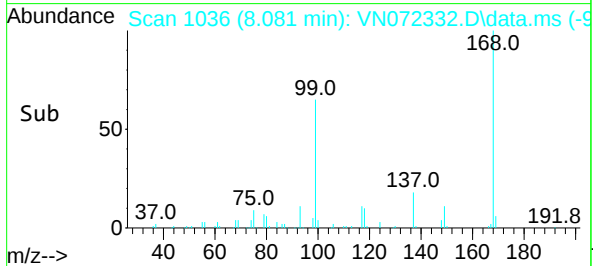
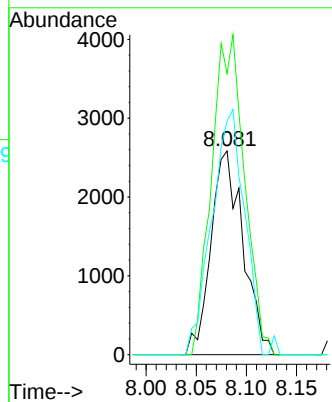
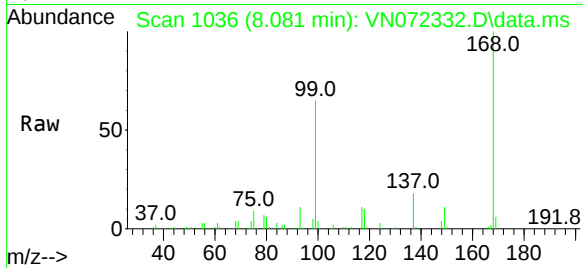
Tgt Ion: 56 Resp: 5772

Ion Ratio Lower Upper

56 100

69 138.1 27.8 41.8#

84 114.7 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 51.711 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072332.D

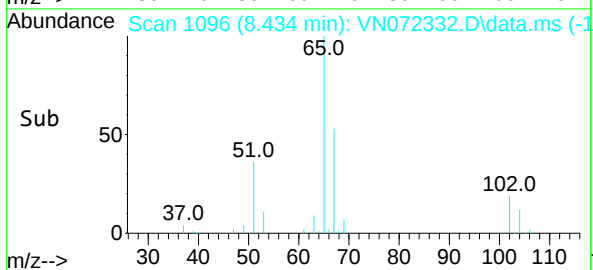
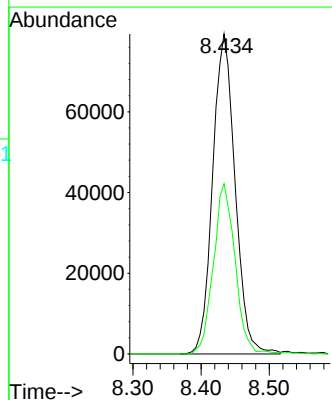
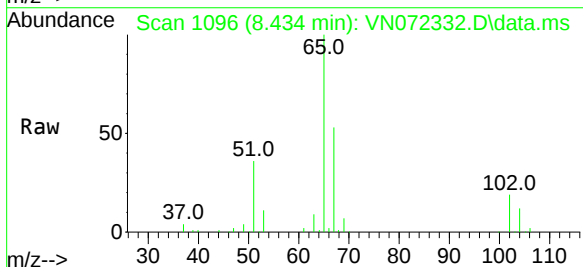
Acq: 04 May 2022 17:01

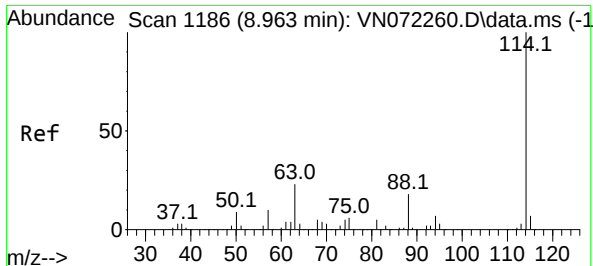
Tgt Ion: 65 Resp: 181676

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072332.D

Acq: 04 May 2022 17:01

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ClientSampleId :

IBLK

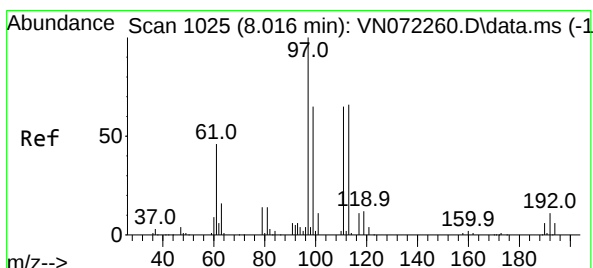
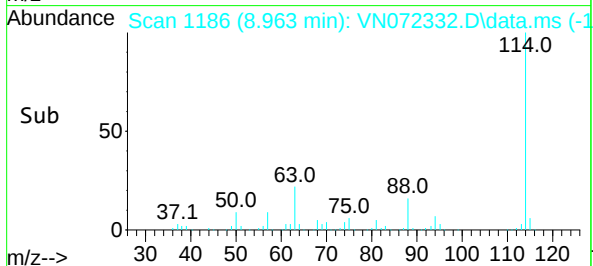
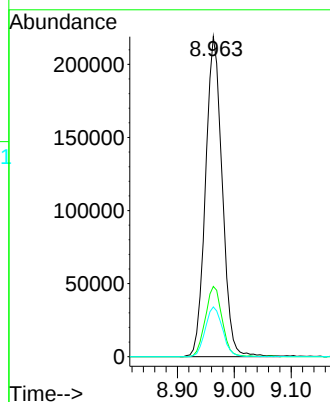
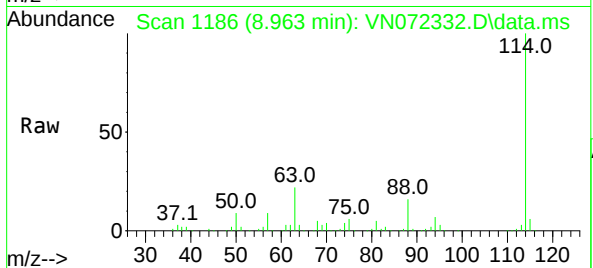
Tgt Ion:114 Resp: 446055

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.898 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN072332.D

Acq: 04 May 2022 17:01

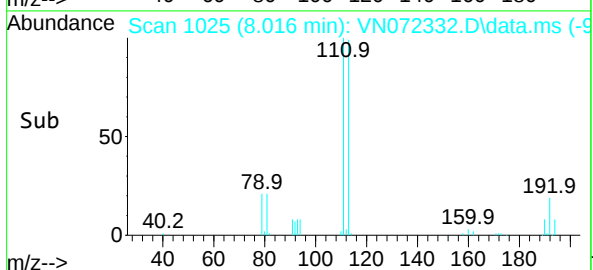
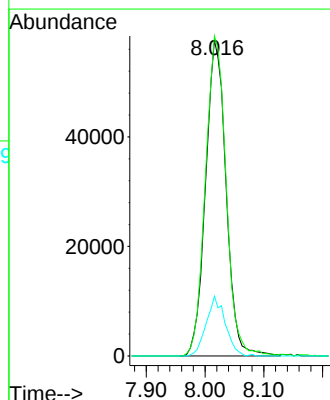
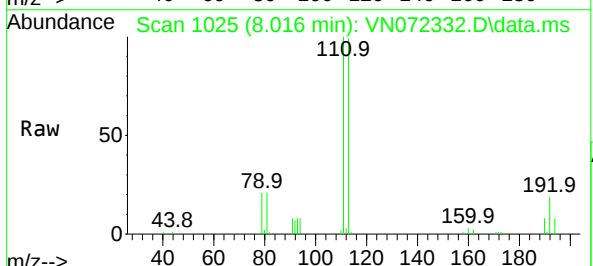
Tgt Ion:113 Resp: 139603

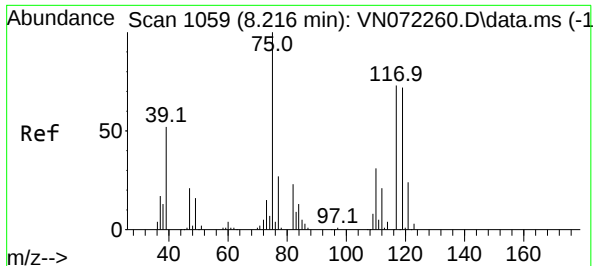
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 17.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.776 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN072332.D

Acq: 04 May 2022 17:01

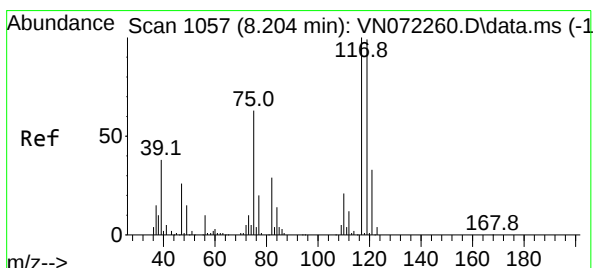
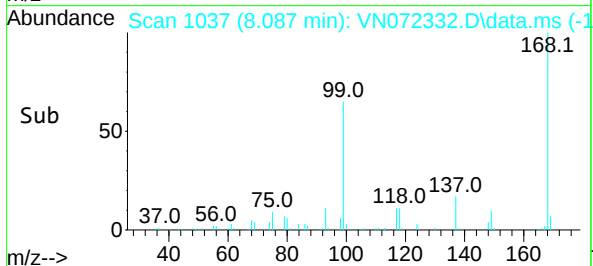
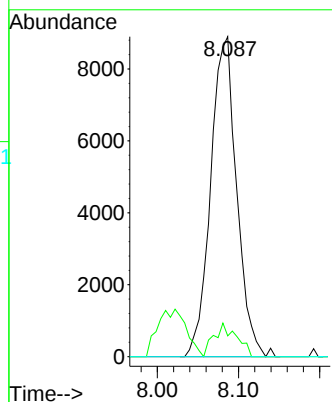
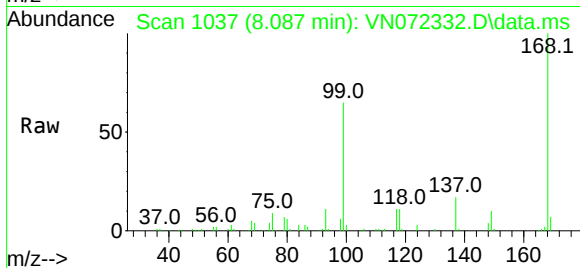
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:	75	Resp:	19846
Ion Ratio	Lower	Upper	
75	100		
110	9.1	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 5.673 ug/l

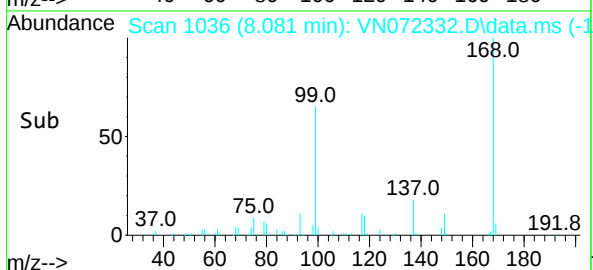
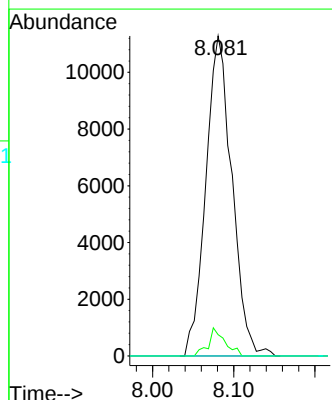
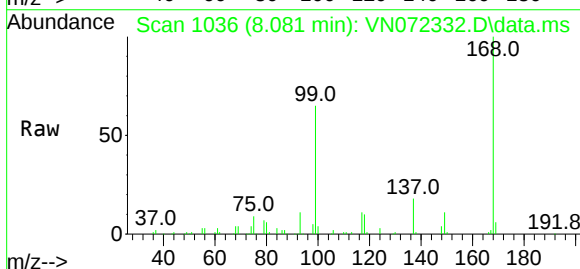
RT: 8.081 min Scan# 1036

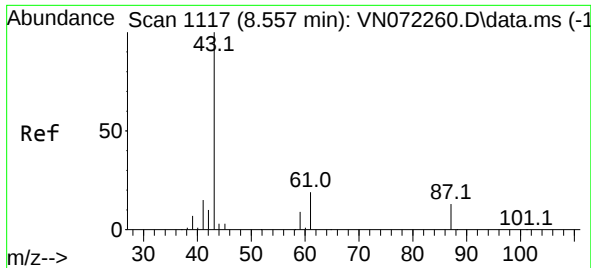
Delta R.T. -0.123 min

Lab File: VN072332.D

Acq: 04 May 2022 17:01

Tgt Ion:	117	Resp:	25250
Ion Ratio	Lower	Upper	
117	100		
119	6.6	75.8	113.8#
121	0.0	24.6	37.0#

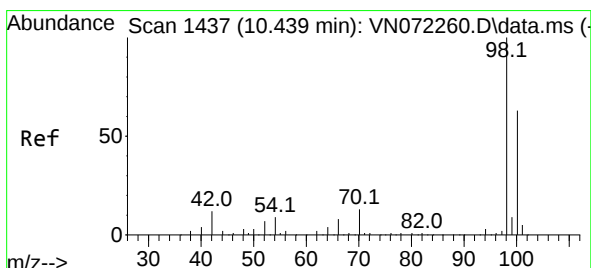
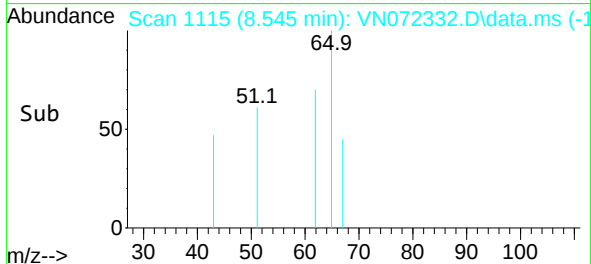
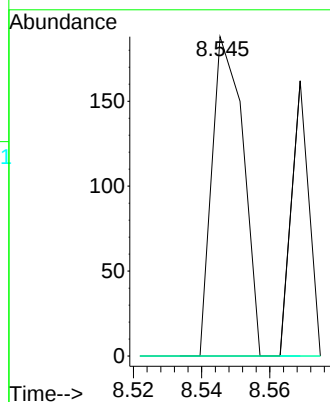
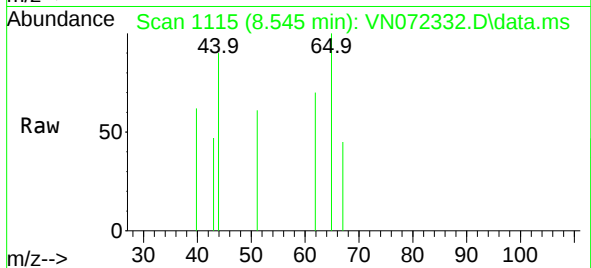




#43
Isopropyl Acetate
Concen: 0.815 ug/l
RT: 8.545 min Scan# 1115
Delta R.T. -0.012 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

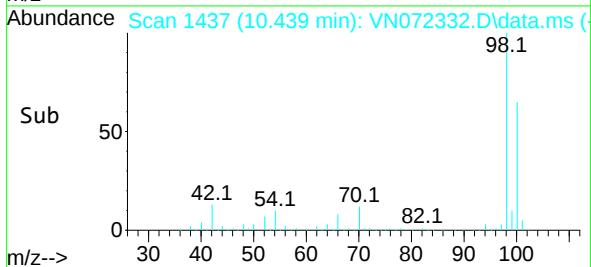
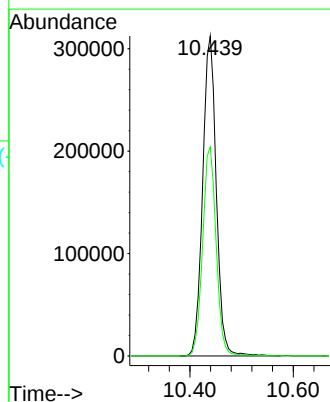
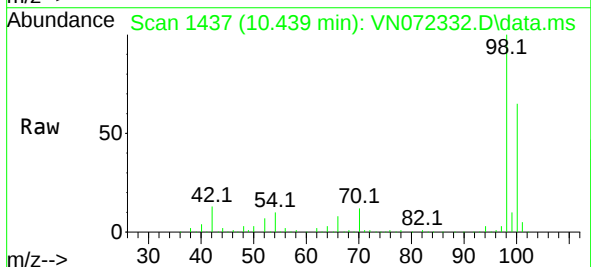
Instrument :
MSVOA_N
ClientSampleId :
IBLK

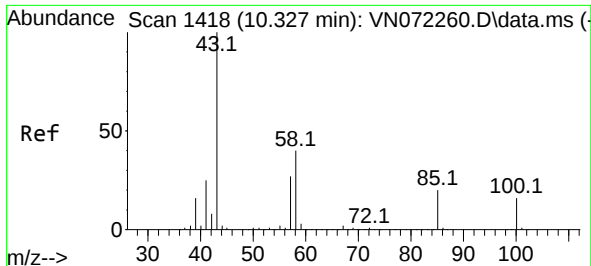
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 50.887 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Tgt Ion: 98 Resp: 570869
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

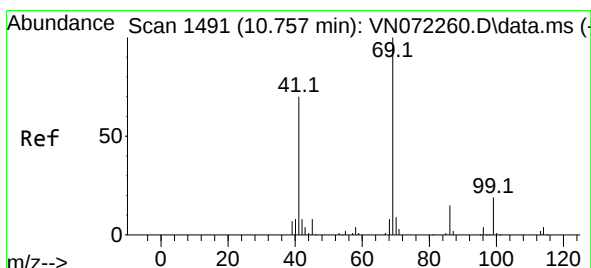
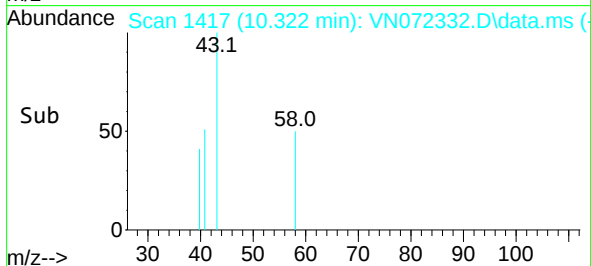
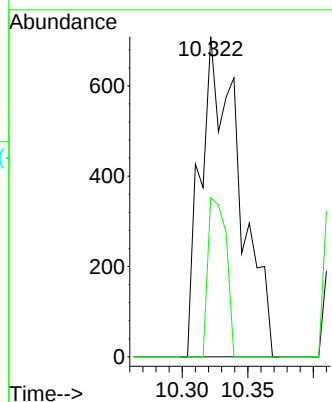
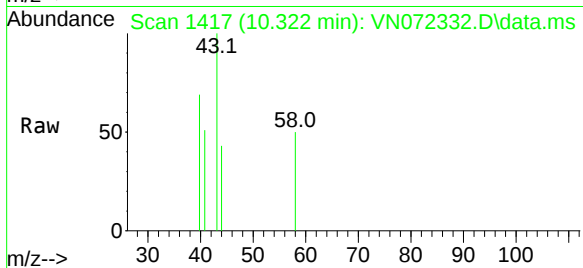




#51
4-Methyl-2-Pentanone
Concen: 0.279 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

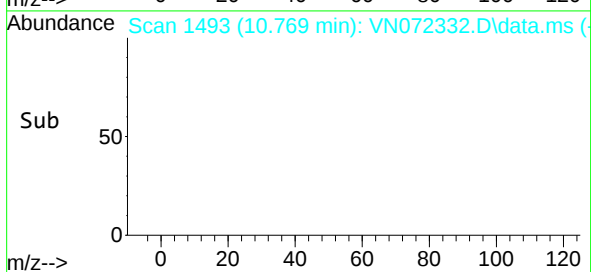
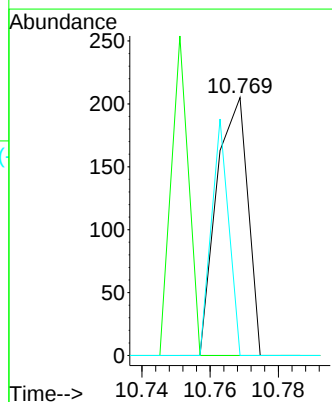
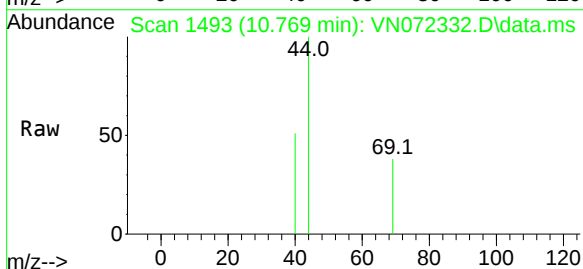
Instrument :
MSVOA_N
ClientSampleId :
IBLK

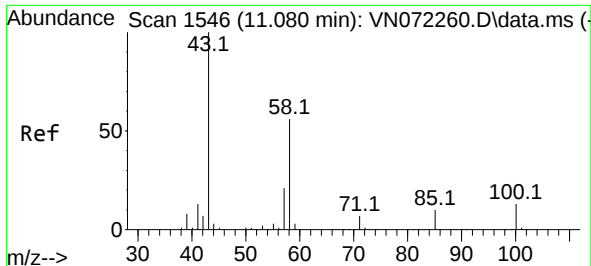
Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
58 23.4 34.1 51.1#



#56
Ethyl methacrylate
Concen: 2.387 ug/l
RT: 10.769 min Scan# 1493
Delta R.T. 0.012 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Tgt Ion: 69 Resp: 130
Ion Ratio Lower Upper
69 100
41 69.2 47.8 71.6
39 50.8 27.3 40.9#

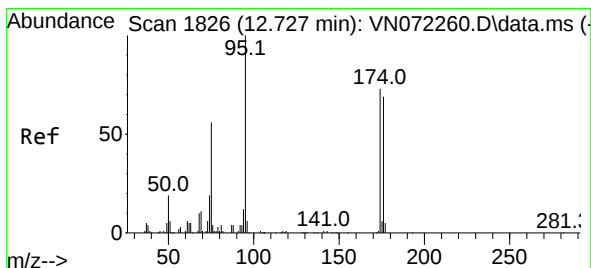
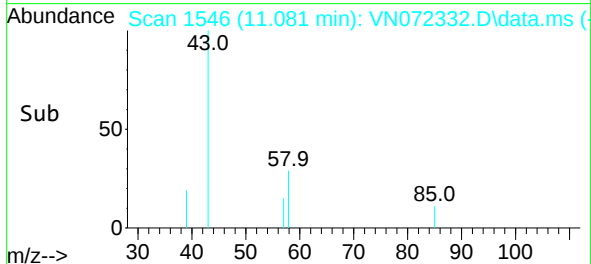
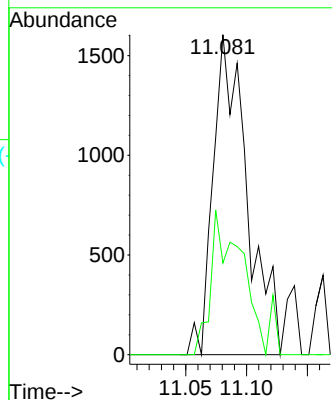
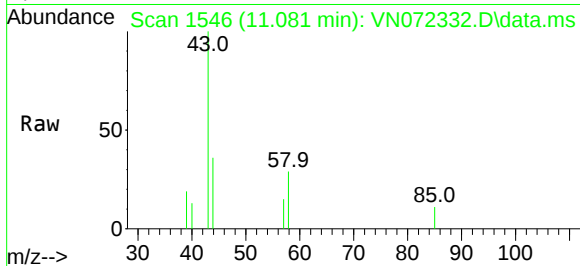




#59
2-Hexanone
Concen: 0.850 ug/l
RT: 11.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

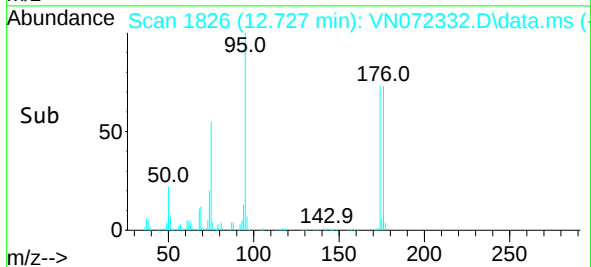
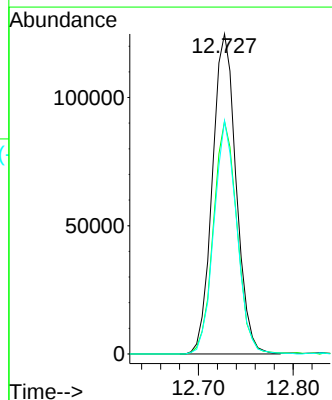
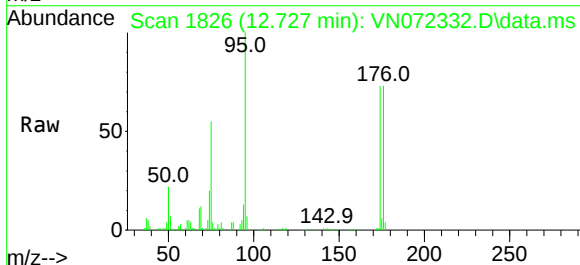
Instrument :
MSVOA_N
ClientSampleId :
IBLK

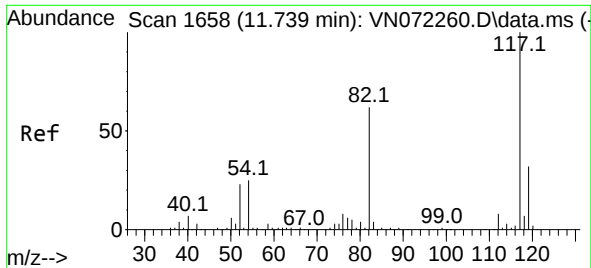
Tgt Ion: 43 Resp: 3118
Ion Ratio Lower Upper
43 100
58 40.2 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 58.424 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Tgt Ion: 95 Resp: 217550
Ion Ratio Lower Upper
95 100
174 72.2 0.0 167.6
176 70.1 0.0 163.4

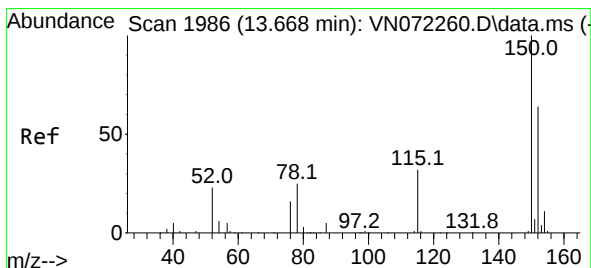
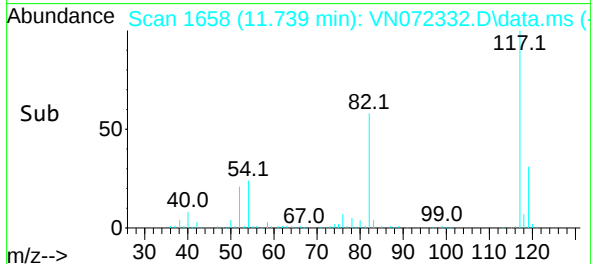
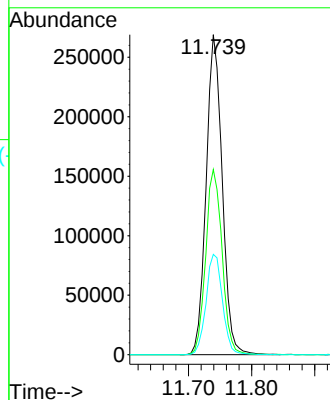
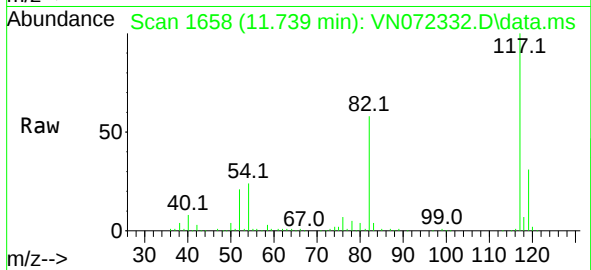




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

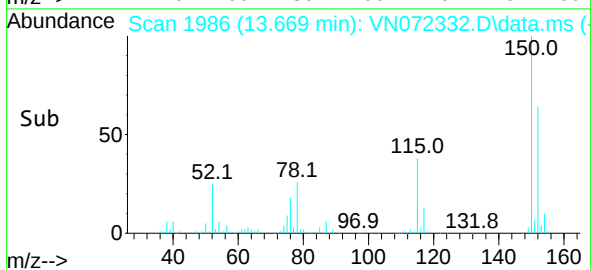
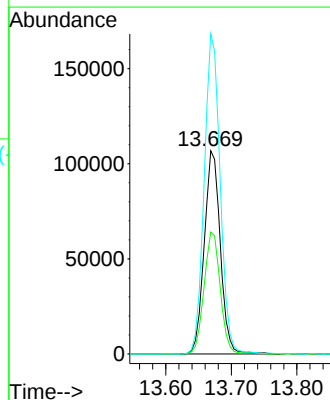
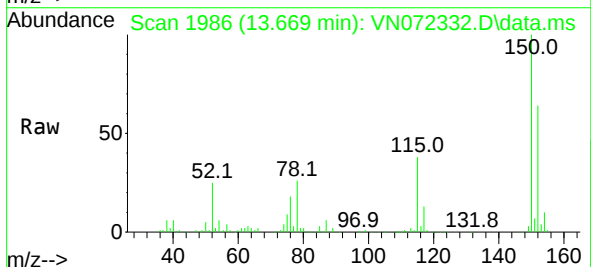
Instrument :
MSVOA_N
ClientSampleId :
IBLK

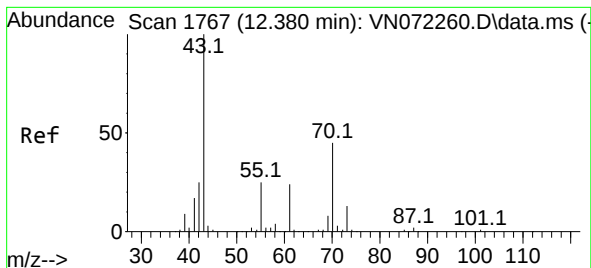
Tgt Ion:117 Resp: 474505
Ion Ratio Lower Upper
117 100
82 57.8 44.2 66.2
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Tgt Ion:152 Resp: 182514
Ion Ratio Lower Upper
152 100
115 60.6 28.9 86.7
150 156.5 0.0 356.2





#74

N-amy1 acetate

Concen: 0.224 ug/l

RT: 12.386 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN072332.D

Acq: 04 May 2022 17:01

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion: 43 Resp: 1353

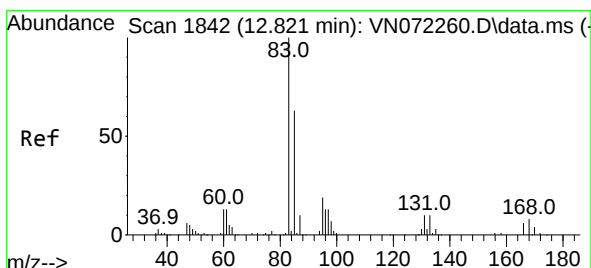
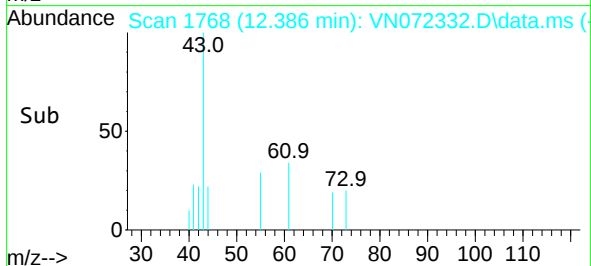
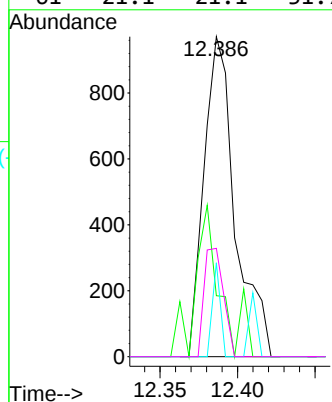
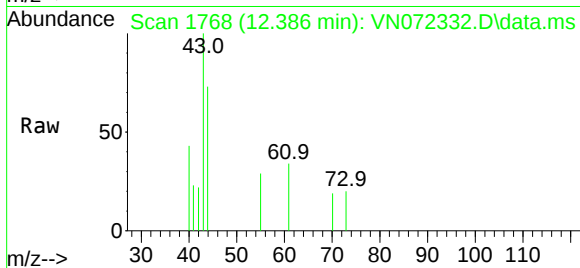
Ion Ratio Lower Upper

43 100

70 33.8 39.0 58.4#

55 7.5 21.1 31.7#

61 21.1 21.1 31.7



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.822 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VN072332.D

Acq: 04 May 2022 17:01

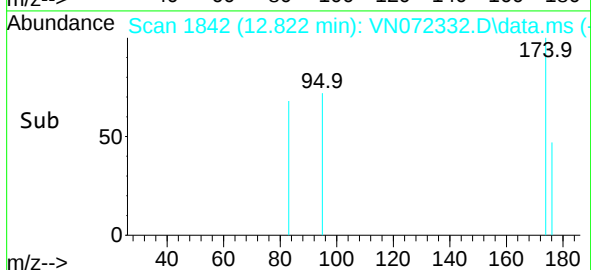
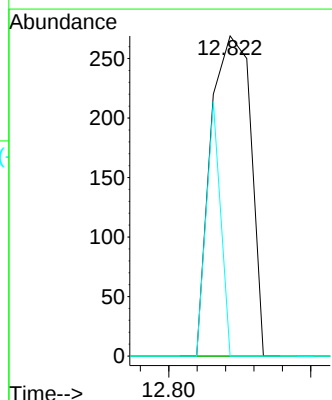
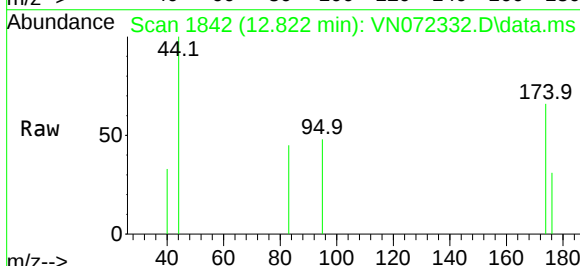
Tgt Ion: 83 Resp: 261

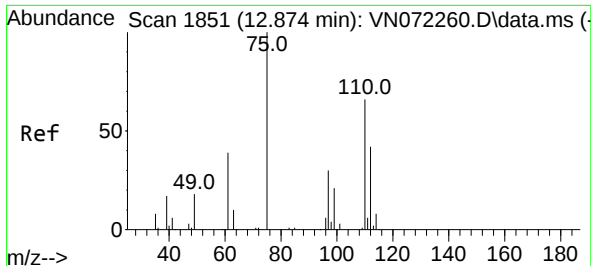
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 29.1 32.3 96.9#

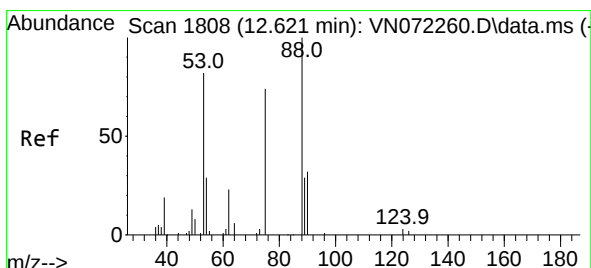
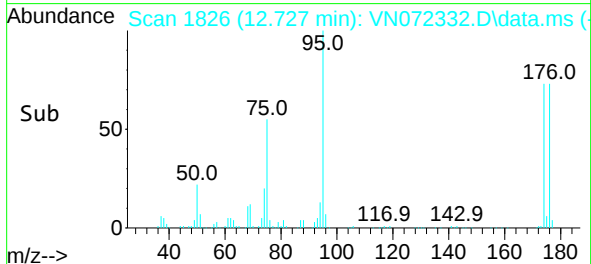
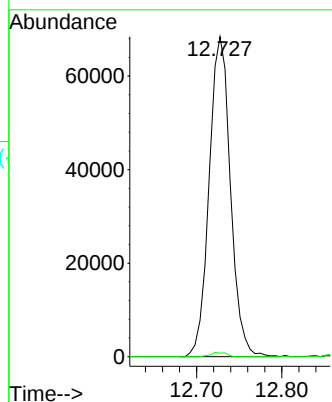
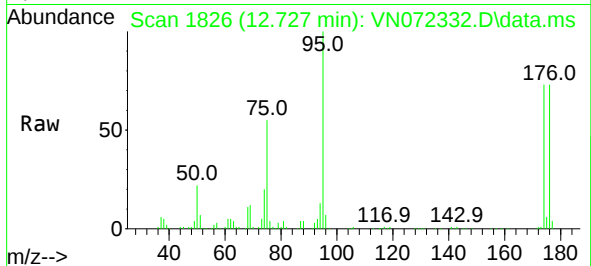




#76
1,2,3-Trichloropropane
Concen: 28.994 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

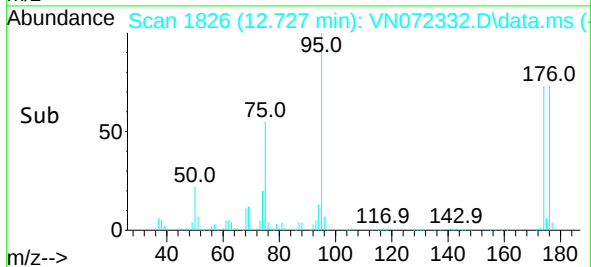
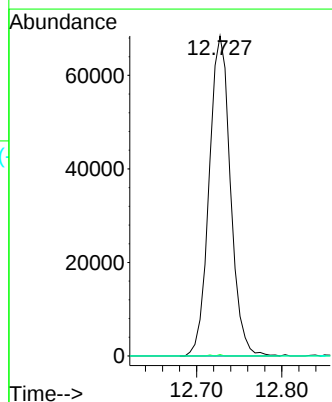
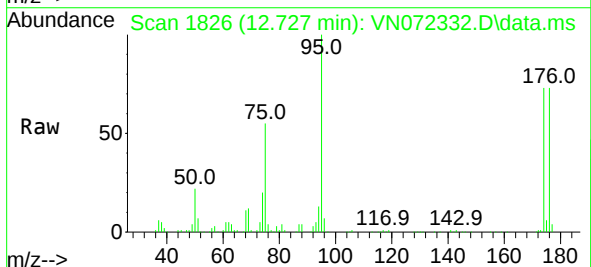
Instrument :
MSVOA_N
ClientSampleId :
IBLK

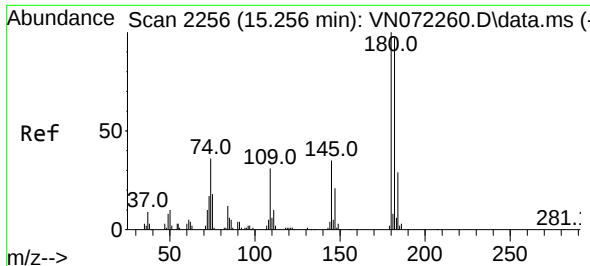
Tgt Ion: 75 Resp: 118849
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.293 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Tgt Ion: 75 Resp: 118849
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

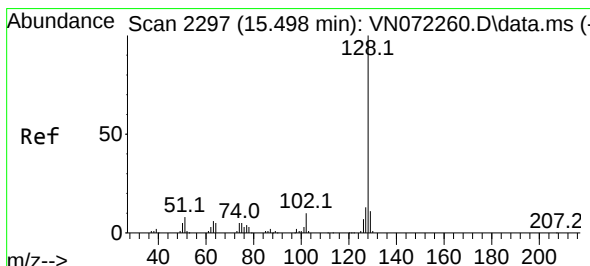
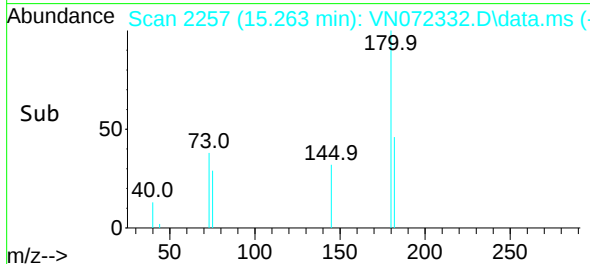
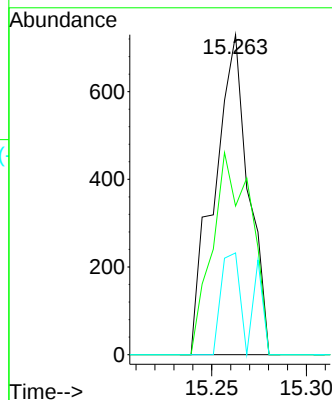
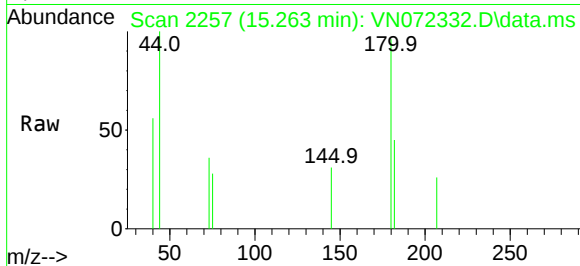




#93
1,2,4-Trichlorobenzene
Concen: 2.731 ug/l
RT: 15.263 min Scan# 2257
Delta R.T. 0.006 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

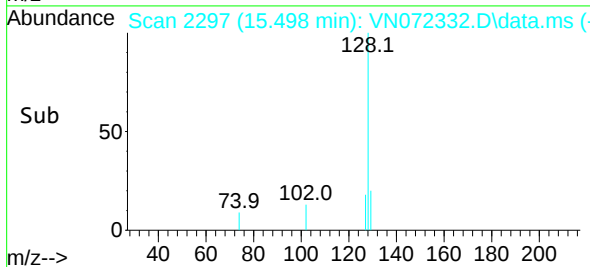
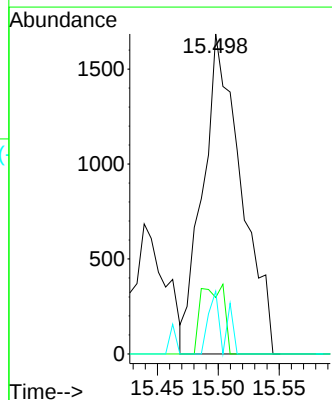
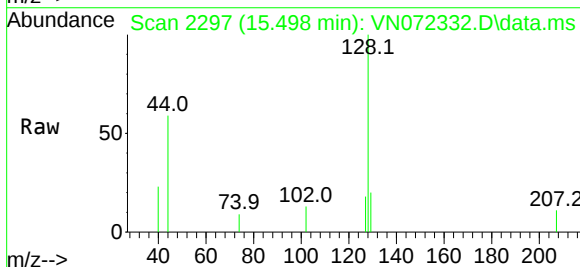
Instrument :
MSVOA_N
ClientSampleId :
IBLK

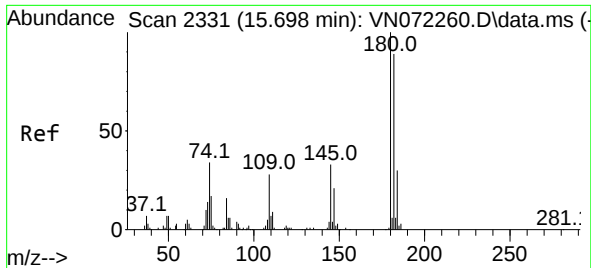
Tgt Ion	Ratio	Lower	Upper
180	100		
182	71.1	47.5	142.5
145	25.7	14.5	43.5



#95
Naphthalene
Concen: 4.657 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072332.D
Acq: 04 May 2022 17:01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	7.7	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.005 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN072332.D
 Acq: 04 May 2022 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:	180	Resp:	982
Ion	Ratio	Lower	Upper
180	100		
182	89.1	47.8	143.3
145	32.8	15.5	46.5

