

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
 Data File : VN072926.D
 Acq On : 18 Jun 2022 09:40
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Jun 20 08:01:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

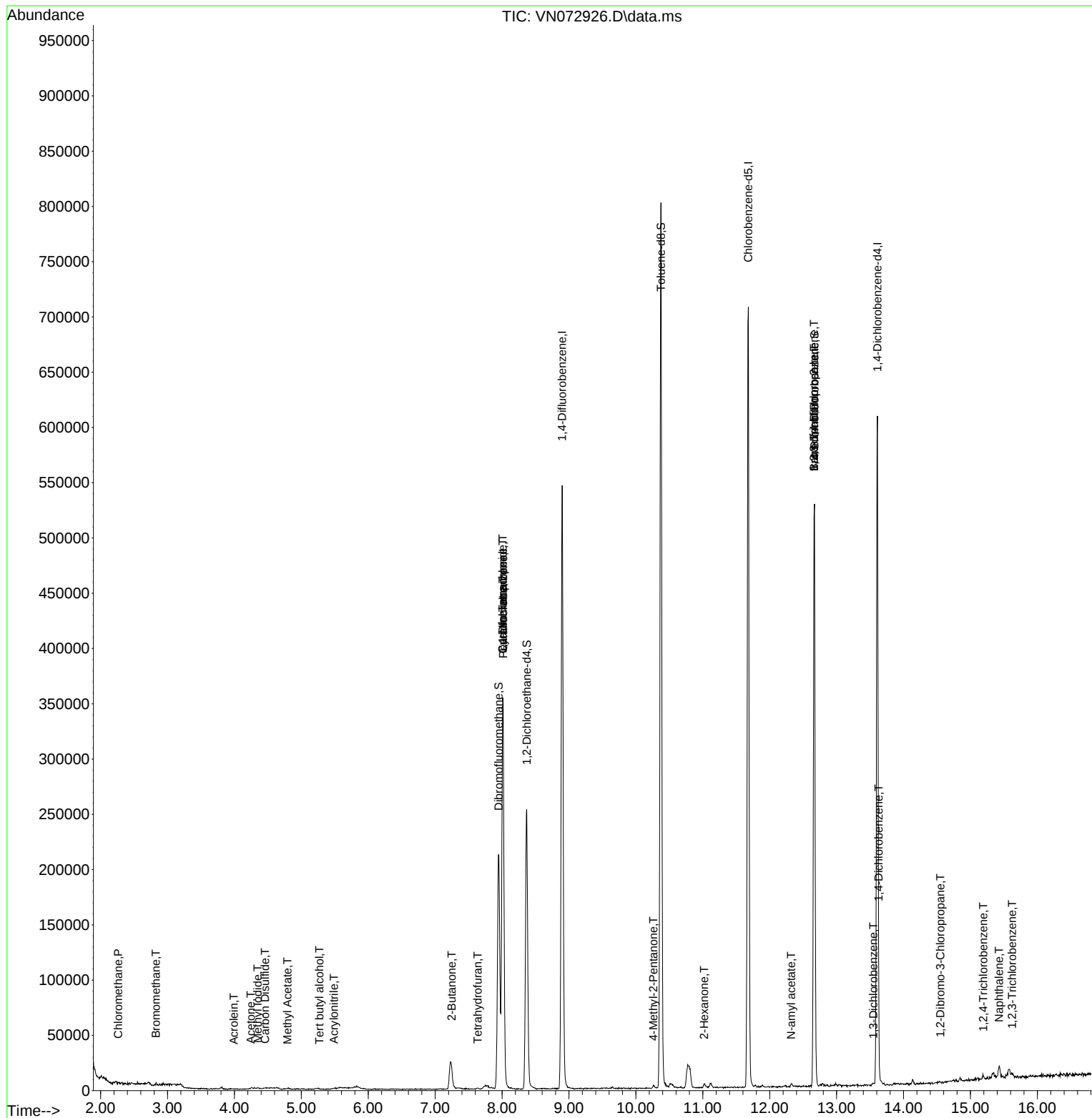
Internal Standards						
1) Pentafluorobenzene	8.016	168	277047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	489766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	417814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	167896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	210529	56.207	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.420%			
35) Dibromofluoromethane	7.951	113	161314	53.288	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.580%			
50) Toluene-d8	10.375	98	553064	49.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.200%			
62) 4-Bromofluorobenzene	12.668	95	185811	45.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.740%			
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	757	0.833	ug/l #	72
5) Bromomethane	2.828	94	517	0.555	ug/l	85
10) Methyl Iodide	4.346	142	1274	0.417	ug/l #	76
11) Tert butyl alcohol	5.269	59	458	0.473	ug/l #	72
13) Acrolein	3.993	56	172	0.451	ug/l #	54
15) Acrylonitrile	5.487	53	662	0.297	ug/l #	81
16) Acetone	4.245	43	1739	0.845	ug/l	98
17) Carbon Disulfide	4.457	76	1546	0.227	ug/l #	75
18) Methyl Acetate	4.793	43	1540	0.281	ug/l #	56
20) Methylene Chloride	5.016	84	409	Below Cal	#	34
25) 2-Butanone	7.245	43	663	0.203	ug/l #	45
26) 2,2-Dichloropropane	7.222	77	794	Below Cal	#	53
29) Tetrahydrofuran	7.634	42	1103	0.511	ug/l #	43
31) Cyclohexane	8.010	56	6139	1.212	ug/l #	12
36) 1,1-Dichloropropene	8.010	75	21275	5.194	ug/l #	49
38) Carbon Tetrachloride	8.010	117	27136	6.298	ug/l #	17
51) 4-Methyl-2-Pentanone	10.263	43	2313	0.379	ug/l #	70
59) 2-Hexanone	11.022	43	3263	0.691	ug/l	88
71) Bromoform	12.663	173	995	0.425	ug/l #	28
74) N-amyl acetate	12.321	43	1755	0.260	ug/l #	75
76) 1,2,3-Trichloropropane	12.663	75	92762	22.788	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.663	75	92762	61.542	ug/l #	10
87) 1,3-Dichlorobenzene	13.551	146	1154	0.208	ug/l #	74
88) 1,4-Dichlorobenzene	13.627	146	1293	0.230	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.551	75	386	0.244	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.192	180	1266	0.395	ug/l	92
95) Naphthalene	15.427	128	10268	0.792	ug/l	98
96) 1,2,3-Trichlorobenzene	15.621	180	1687	0.493	ug/l	94

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
Data File : VN072926.D
Acq On : 18 Jun 2022 09:40
Operator : JC\MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Quant Time: Jun 20 08:01:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 18 06:22:45 2022
Response via : Initial Calibration

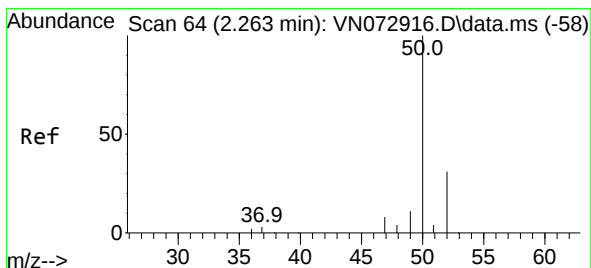
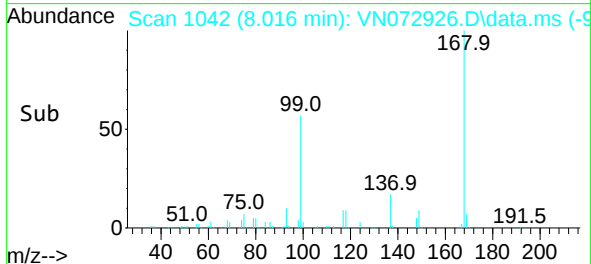
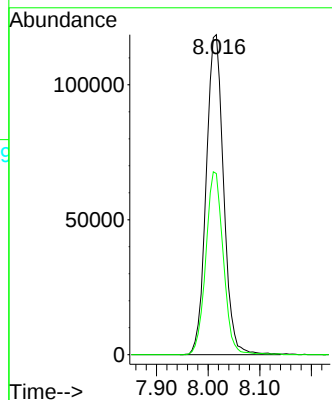
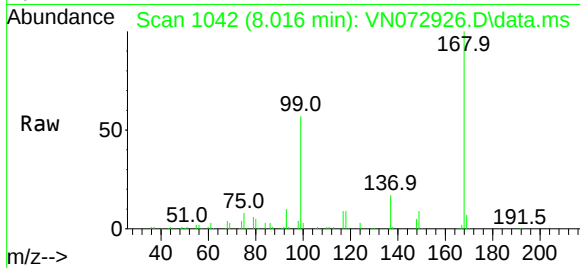




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

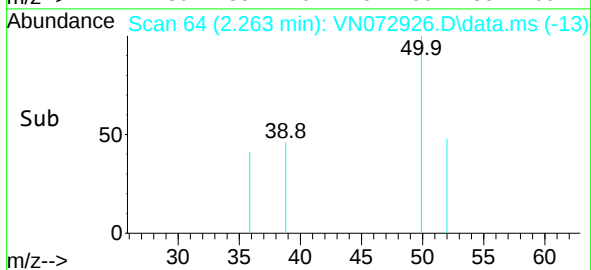
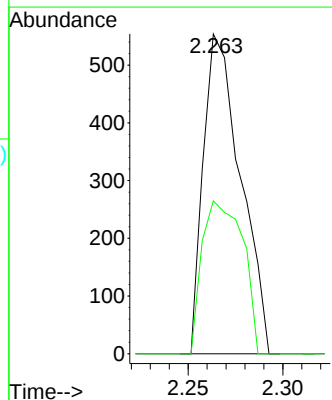
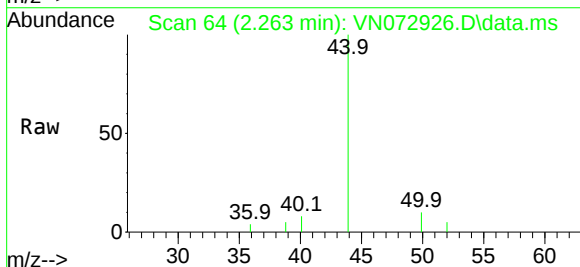
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

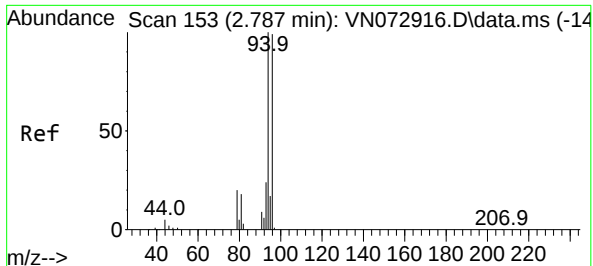
Tgt Ion:168 Resp: 277047
Ion Ratio Lower Upper
168 100
99 56.6 42.3 63.5



#3
Chloromethane
Concen: 0.833 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion: 50 Resp: 757
Ion Ratio Lower Upper
50 100
52 47.8 25.7 38.5#

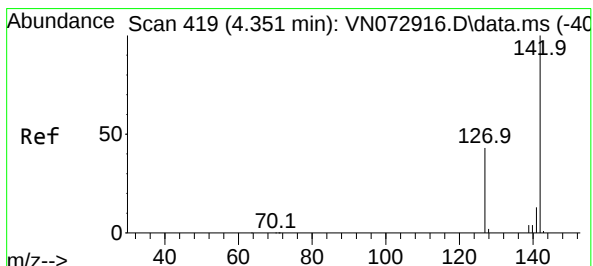
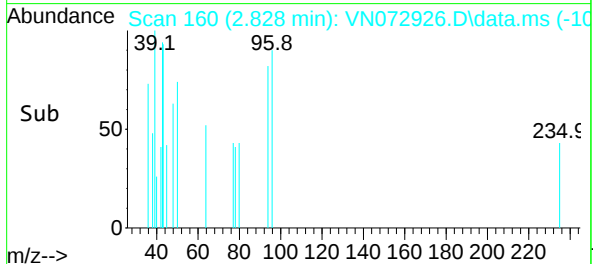
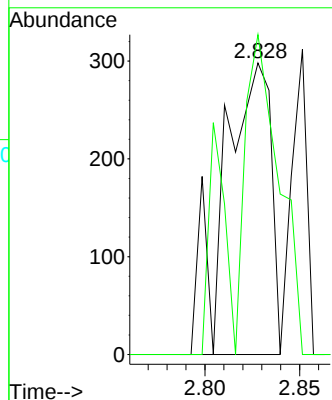
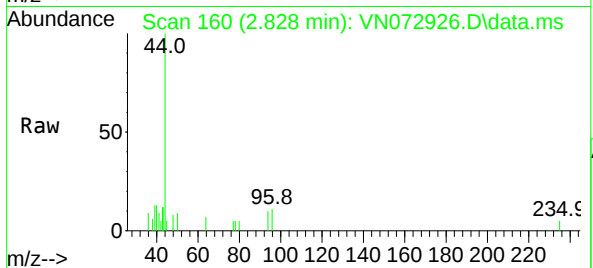




#5
Bromomethane
Concen: 0.555 ug/l
RT: 2.828 min Scan# 1
Delta R.T. 0.041 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

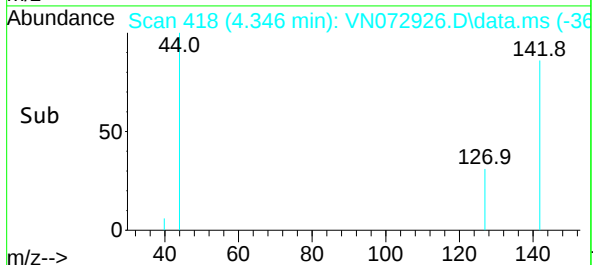
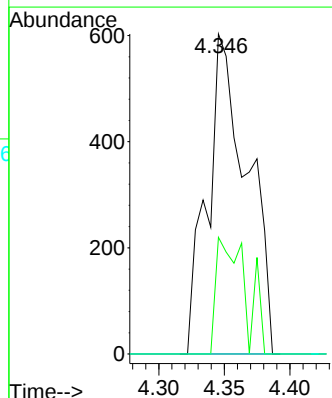
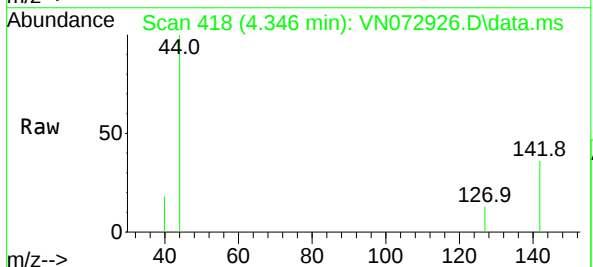
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

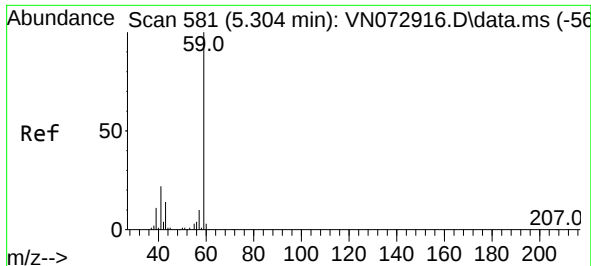
Tgt Ion: 94 Resp: 517
Ion Ratio Lower Upper
94 100
96 109.7 76.0 114.0



#10
Methyl Iodide
Concen: 0.417 ug/l
RT: 4.346 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion:142 Resp: 1274
Ion Ratio Lower Upper
142 100
127 27.0 31.3 46.9#
141 0.0 11.2 16.8#

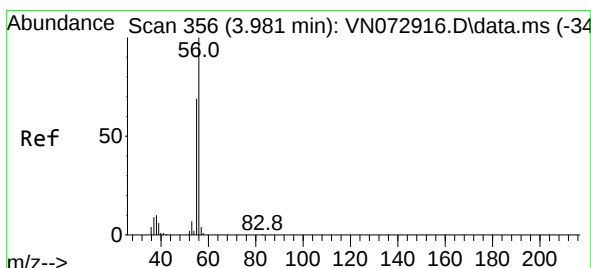
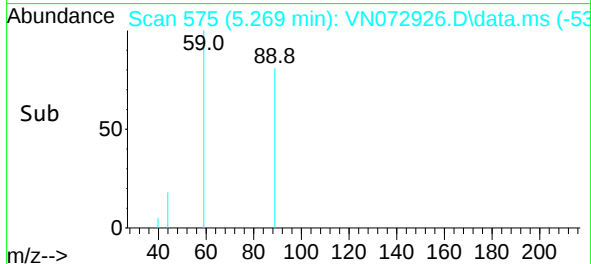
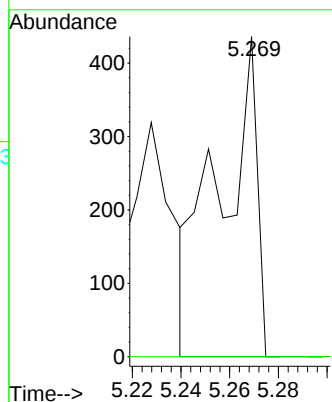
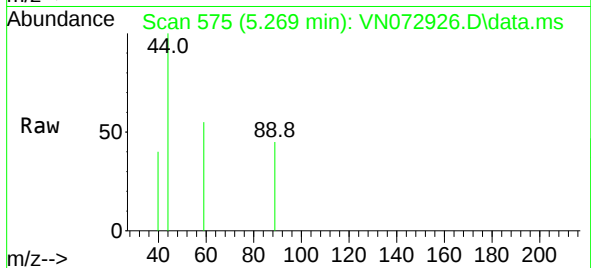




#11
Tert butyl alcohol
Concen: 0.473 ug/l
RT: 5.269 min Scan# 51
Delta R.T. -0.035 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

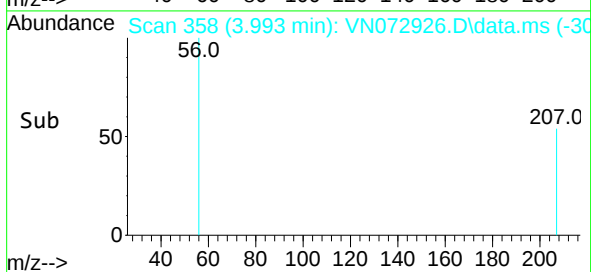
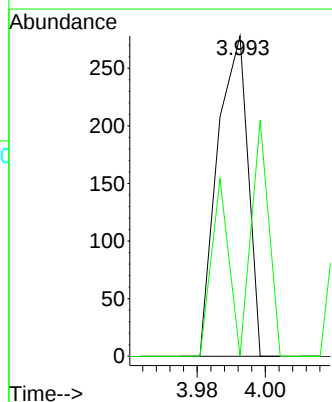
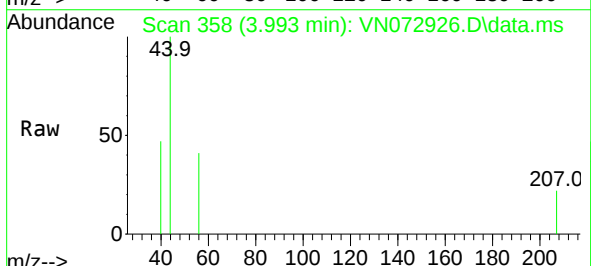
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

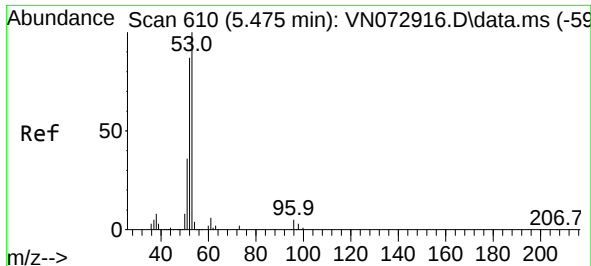
Tgt Ion: 59 Resp: 458
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.451 ug/l
RT: 3.993 min Scan# 358
Delta R.T. 0.012 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 31.4 54.8 82.2#

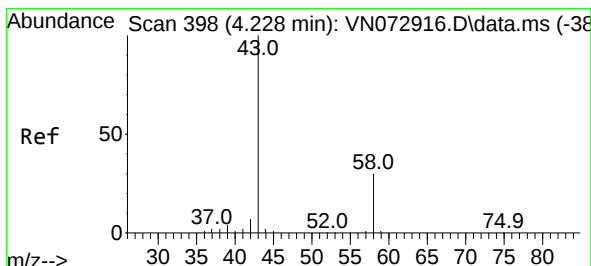
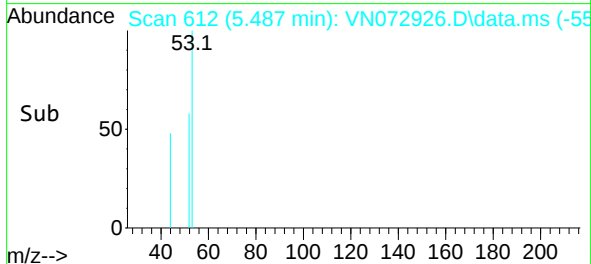
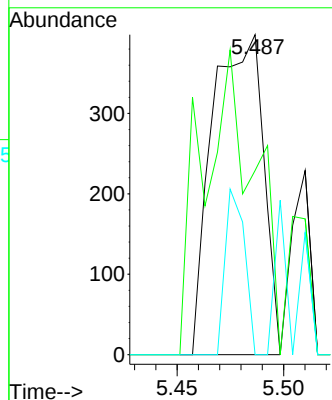
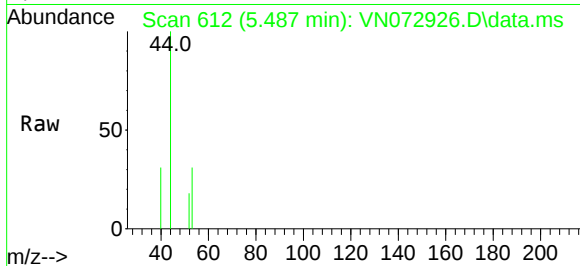




#15
Acrylonitrile
Concen: 0.297 ug/l
RT: 5.487 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

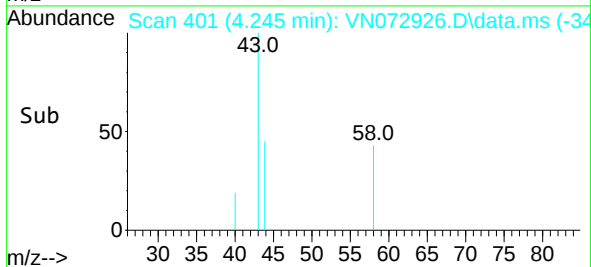
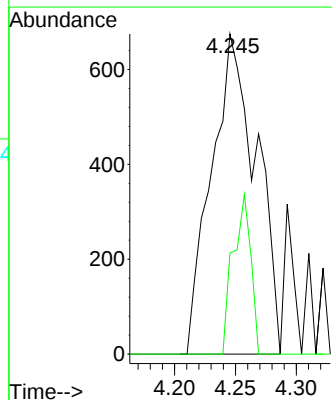
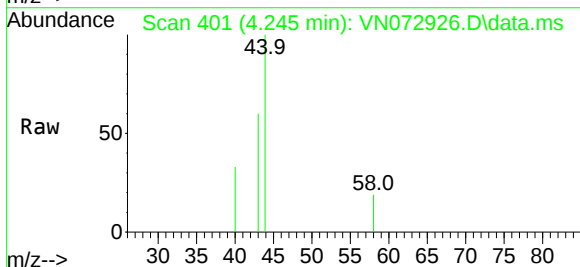
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

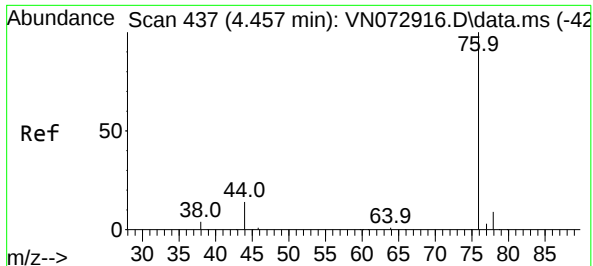
Tgt Ion: 53 Resp: 662
Ion Ratio Lower Upper
53 100
52 97.3 66.4 99.6
51 19.8 28.5 42.7#



#16
Acetone
Concen: 0.845 ug/l
RT: 4.245 min Scan# 401
Delta R.T. 0.018 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion: 43 Resp: 1739
Ion Ratio Lower Upper
43 100
58 31.6 26.0 39.0

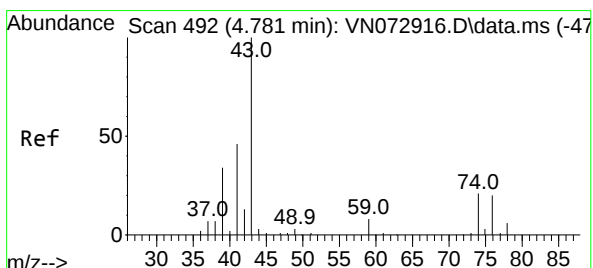
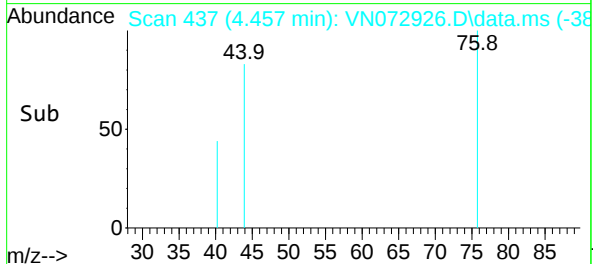
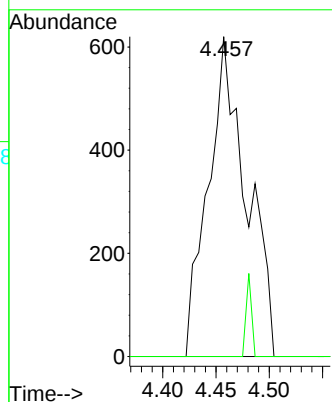
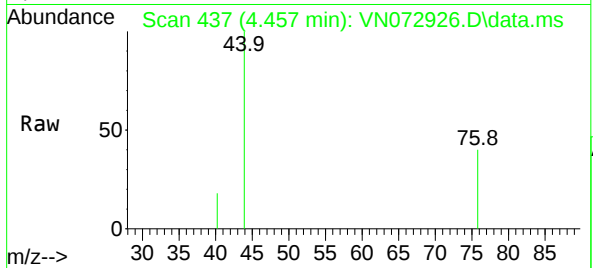




#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 4.457 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

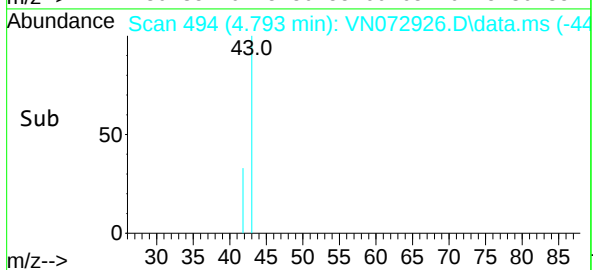
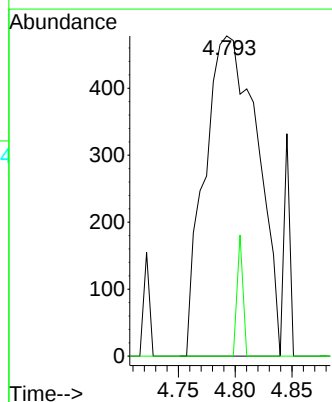
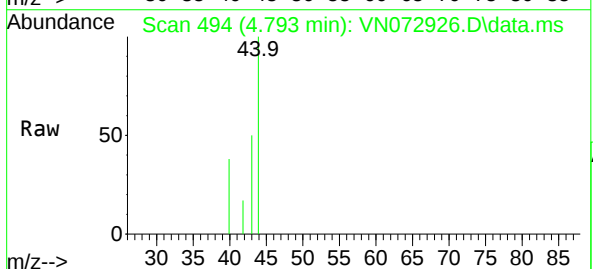
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

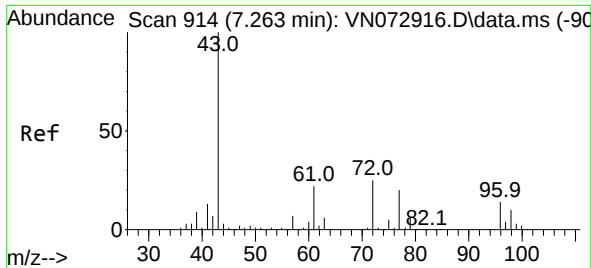
Tgt Ion: 76 Resp: 1546
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion: 43 Resp: 1540
Ion Ratio Lower Upper
43 100
74 4.2 21.6 32.4#

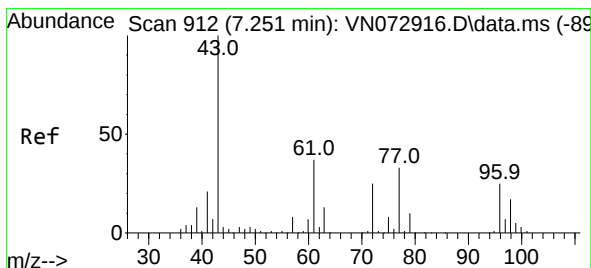
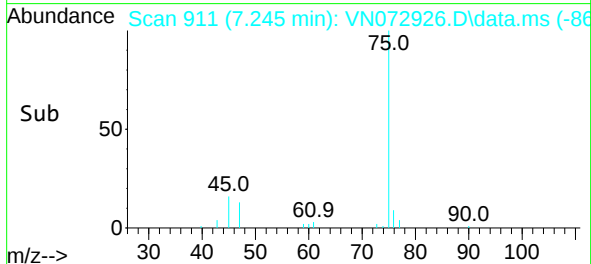
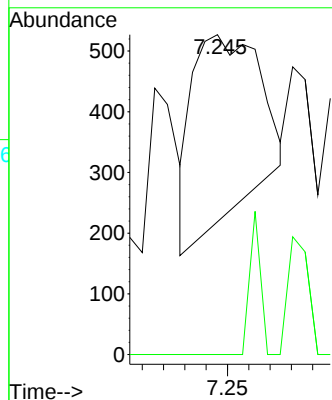
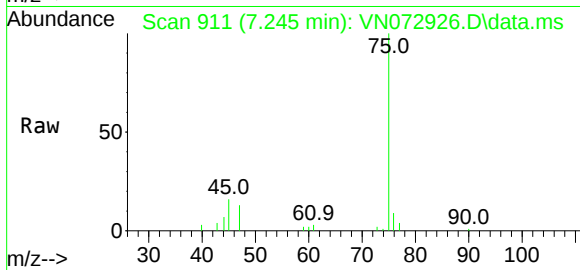




#25
2-Butanone
Concen: 0.203 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.018 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

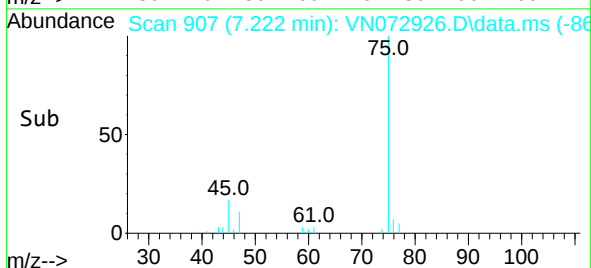
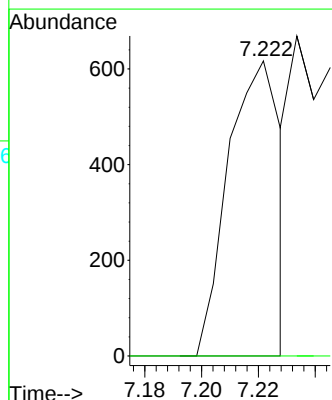
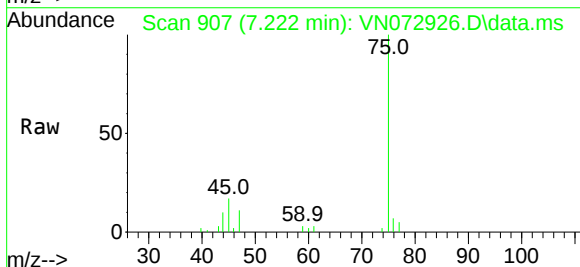
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

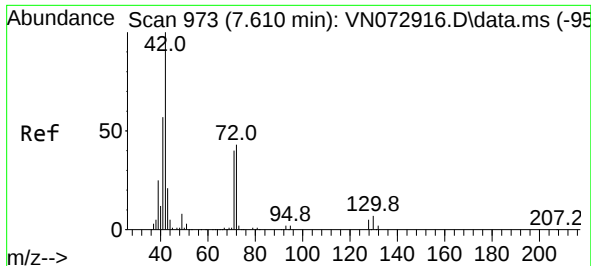
Tgt Ion: 43 Resp: 663
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.222 min Scan# 907
Delta R.T. -0.029 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion: 77 Resp: 794
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.511 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN072926.D

Acq: 18 Jun 2022 09:40

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

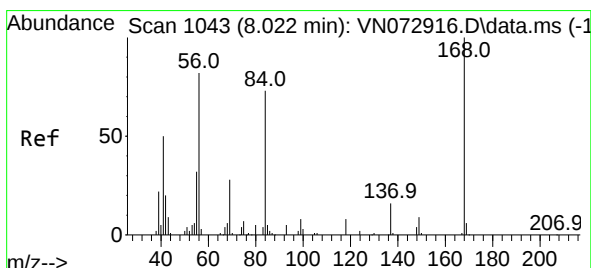
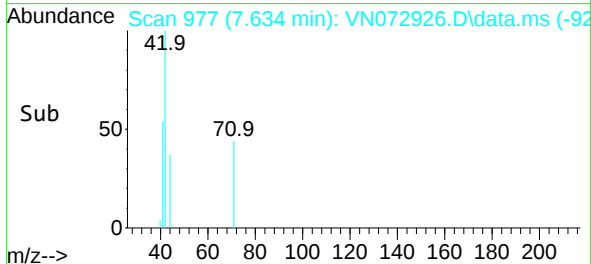
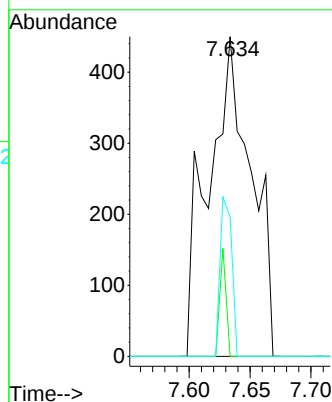
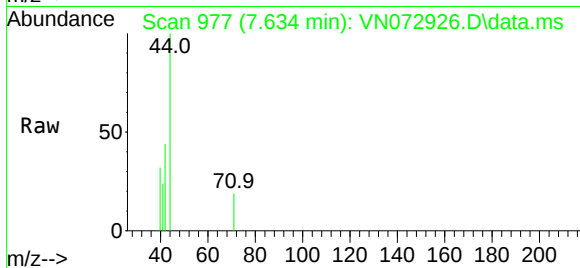
Tgt Ion: 42 Resp: 1103

Ion Ratio Lower Upper

42 100

72 4.9 39.7 59.5#

71 13.4 36.6 55.0#



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN072926.D

Acq: 18 Jun 2022 09:40

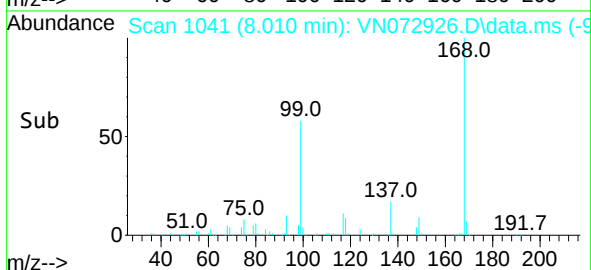
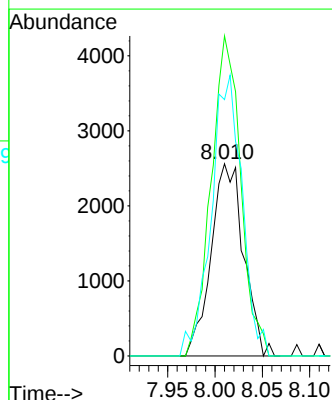
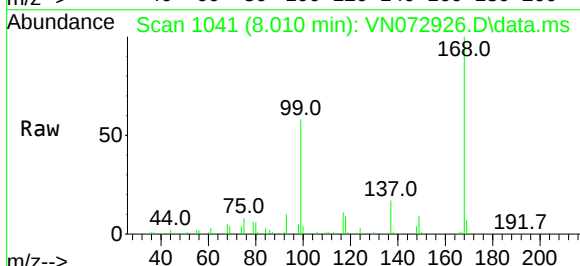
Tgt Ion: 56 Resp: 6139

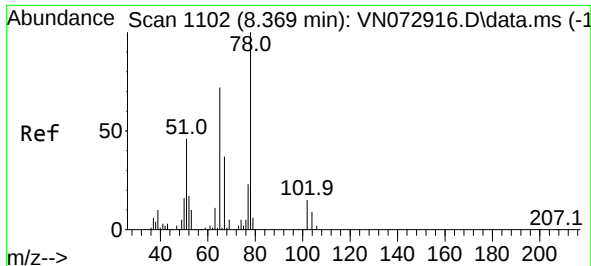
Ion Ratio Lower Upper

56 100

69 166.5 27.8 41.8#

84 133.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 56.207 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN072926.D

Acq: 18 Jun 2022 09:40

Instrument :

MSVOA_N

ClientSampleId :

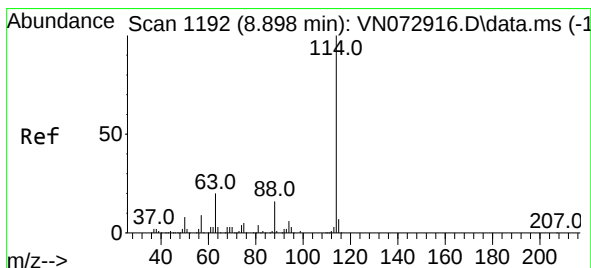
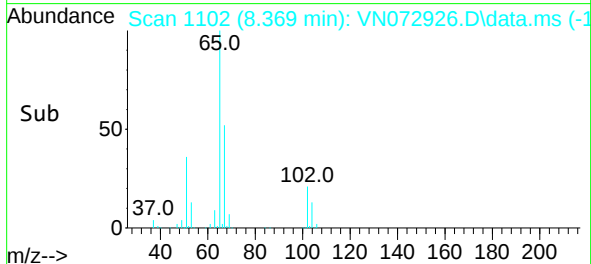
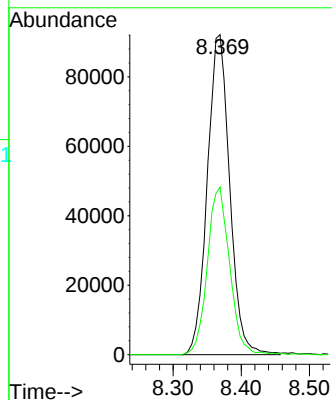
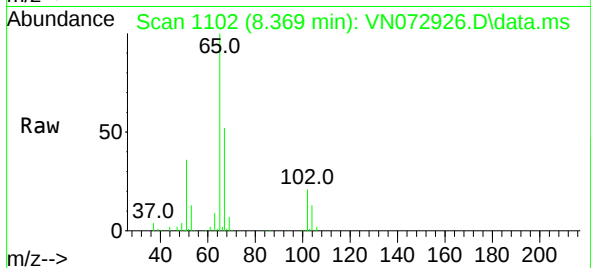
VIBLK

Tgt Ion: 65 Resp: 210529

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN072926.D

Acq: 18 Jun 2022 09:40

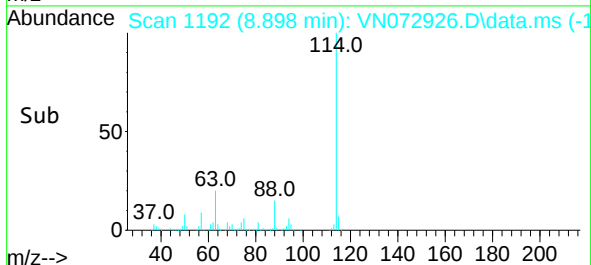
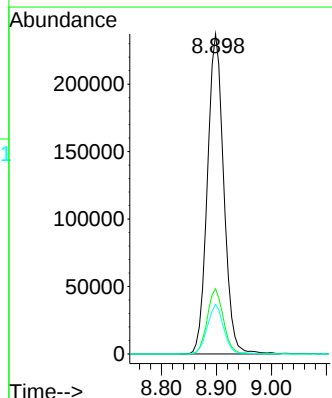
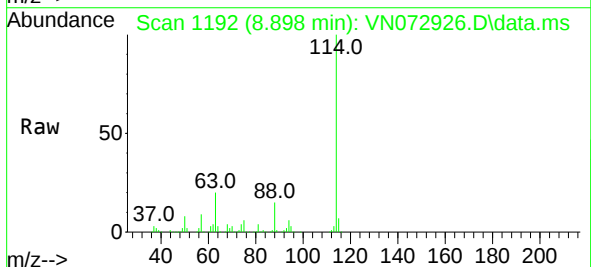
Tgt Ion: 114 Resp: 489766

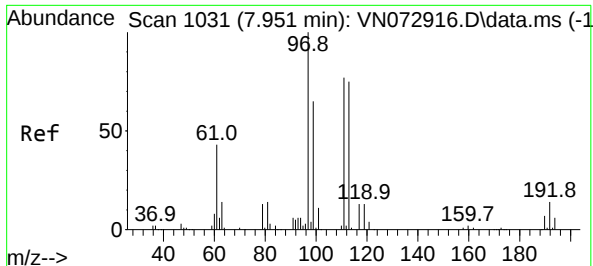
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.4 0.0 32.6

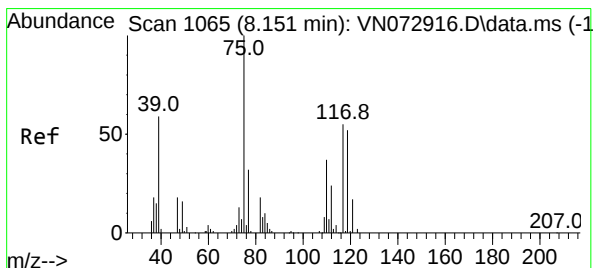
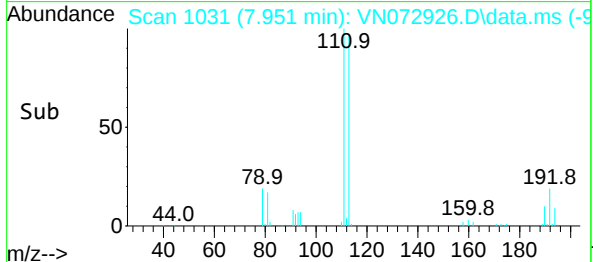
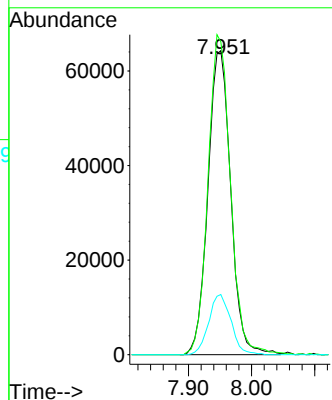
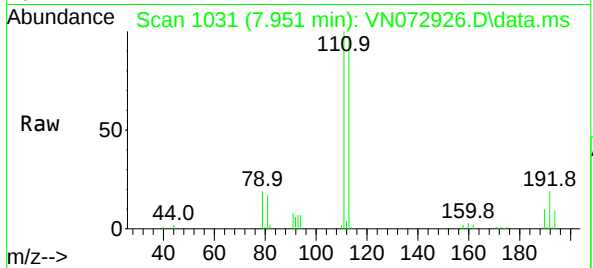




#35
Dibromofluoromethane
Concen: 53.288 ug/l
RT: 7.951 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

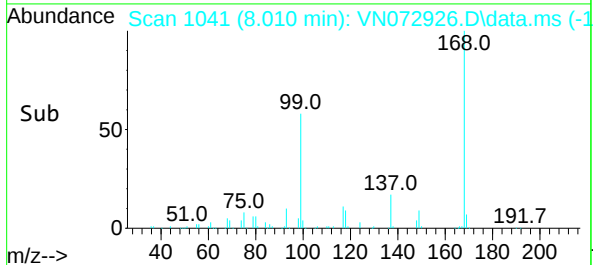
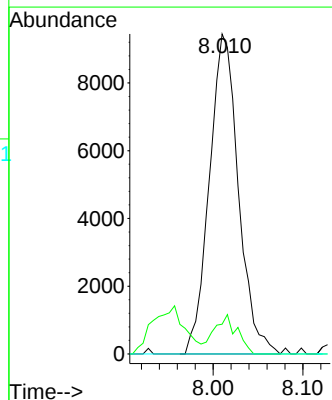
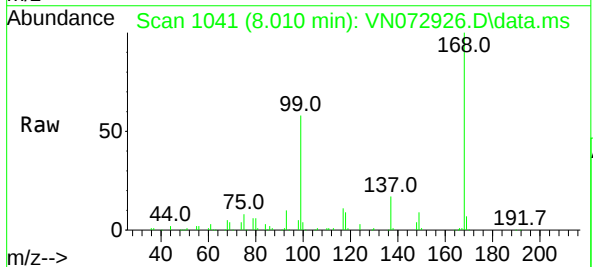
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

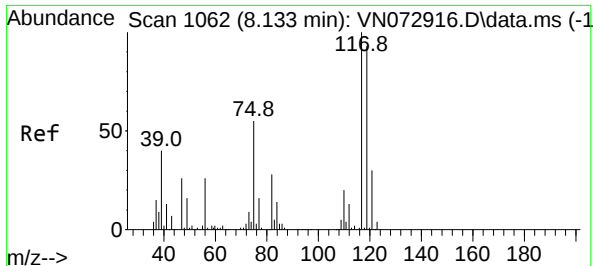
Tgt Ion:113 Resp: 161314
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 19.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.194 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion: 75 Resp: 21275
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 25.1 37.7#

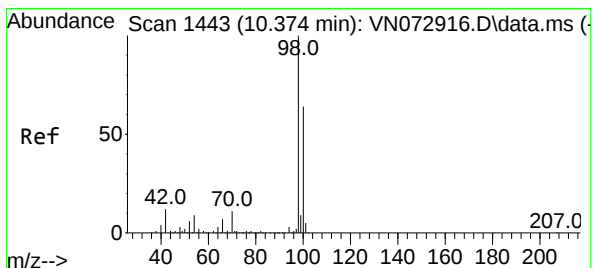
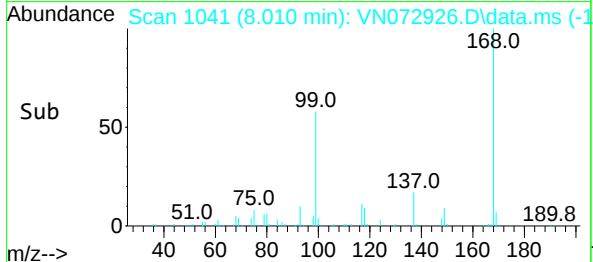
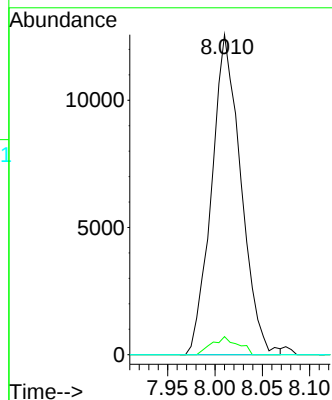
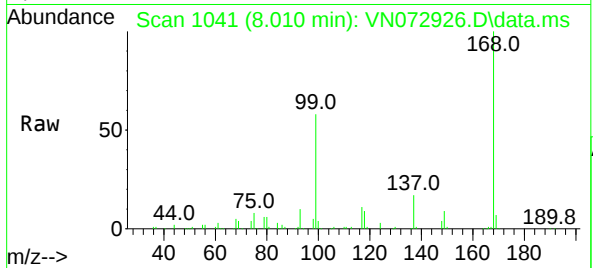




#38
Carbon Tetrachloride
Concen: 6.298 ug/l
RT: 8.010 min Scan# 1062
Delta R.T. -0.123 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

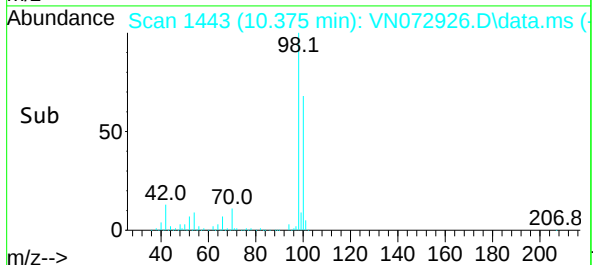
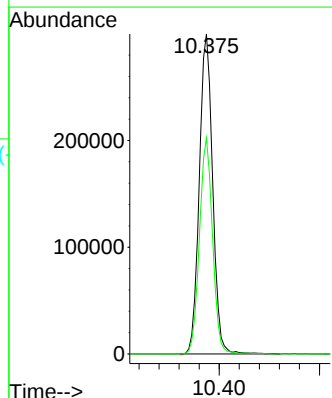
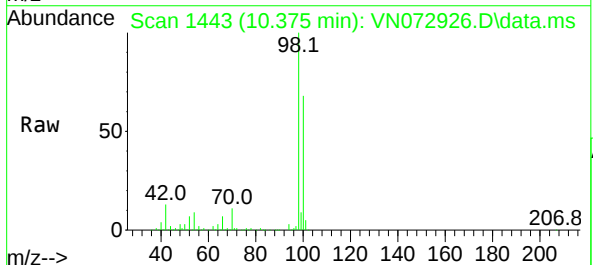
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

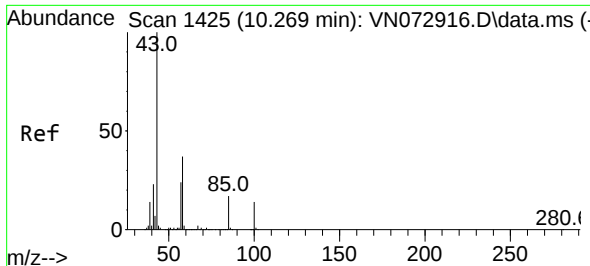
Tgt Ion:117 Resp: 27136
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 49.099 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion: 98 Resp: 553064
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8

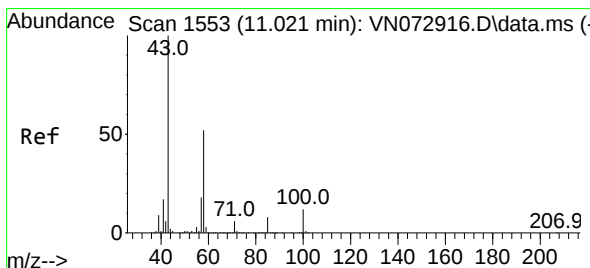
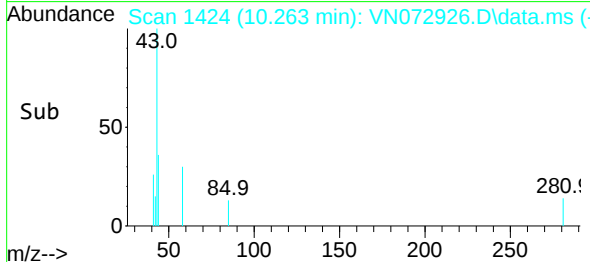
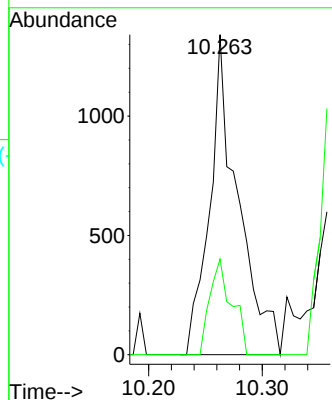
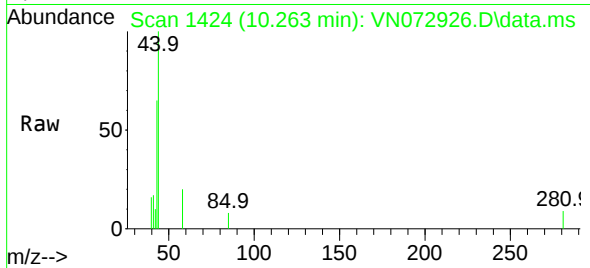




#51
4-Methyl-2-Pentanone
Concen: 0.379 ug/l
RT: 10.263 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

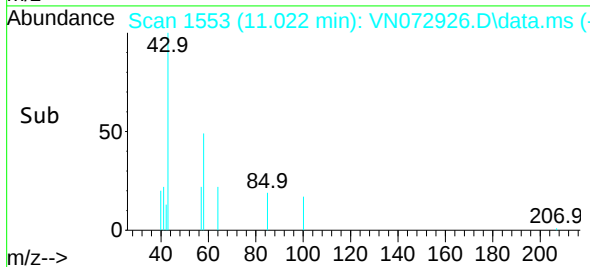
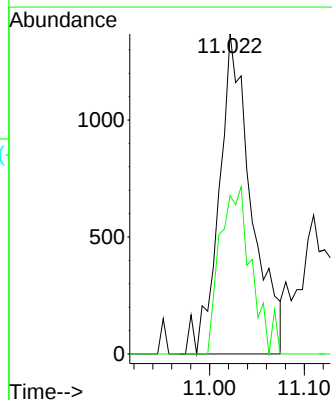
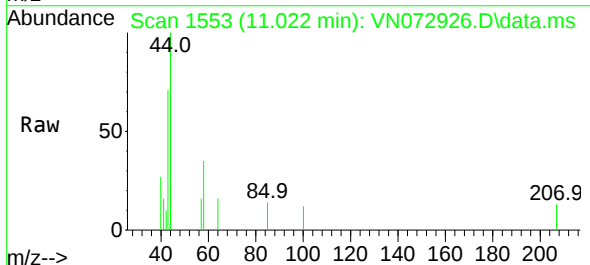
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

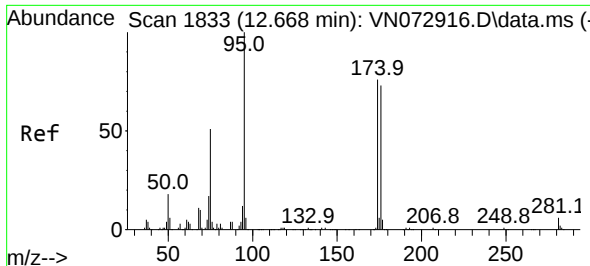
Tgt Ion: 43 Resp: 2313
Ion Ratio Lower Upper
43 100
58 23.2 34.1 51.1#



#59
2-Hexanone
Concen: 0.691 ug/l
RT: 11.022 min Scan# 1553
Delta R.T. 0.000 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion: 43 Resp: 3263
Ion Ratio Lower Upper
43 100
58 50.4 29.7 89.1

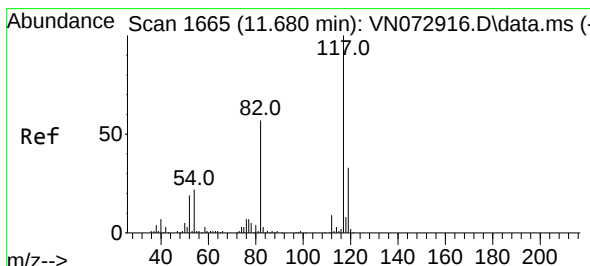
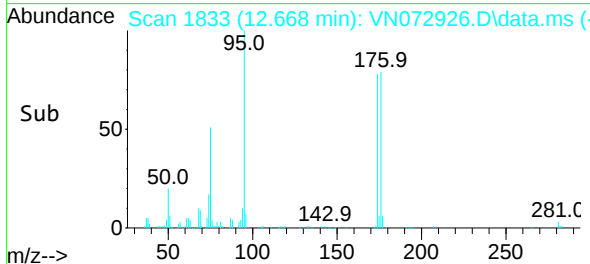
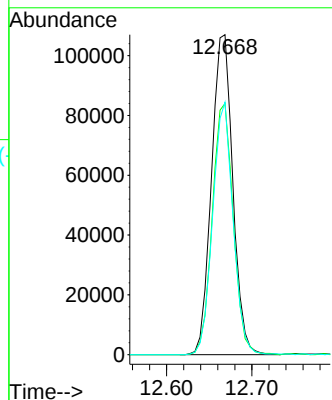
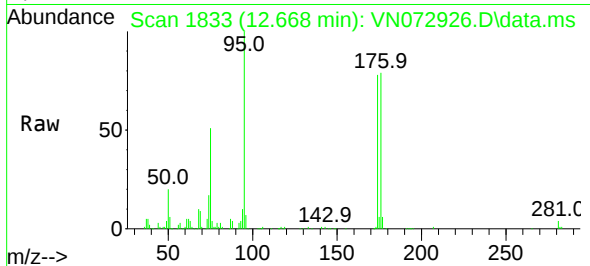




#62
4-Bromofluorobenzene
Concen: 45.874 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

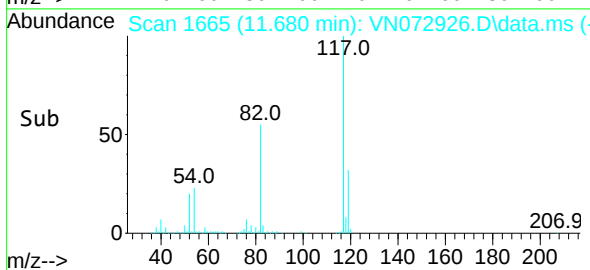
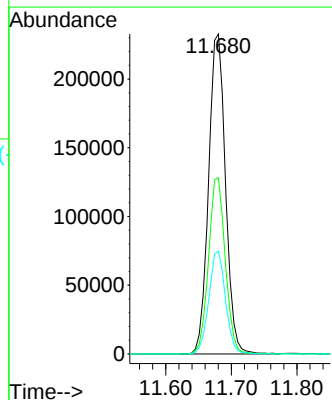
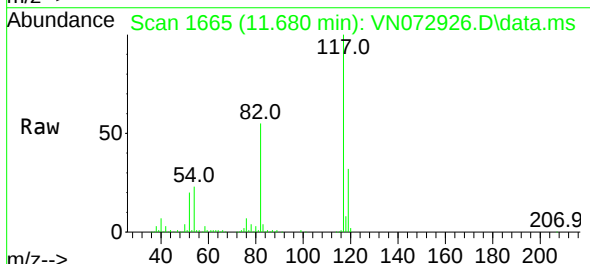
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

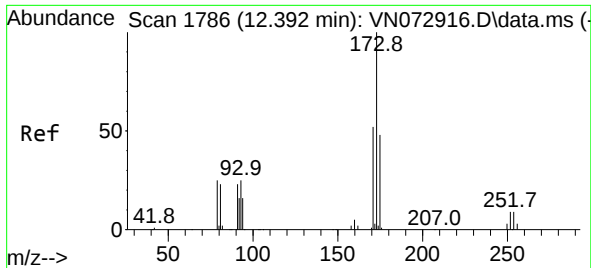
Tgt Ion: 95 Resp: 185811
Ion Ratio Lower Upper
95 100
174 77.3 0.0 167.6
176 75.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion: 117 Resp: 417814
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 32.1 25.4 38.0

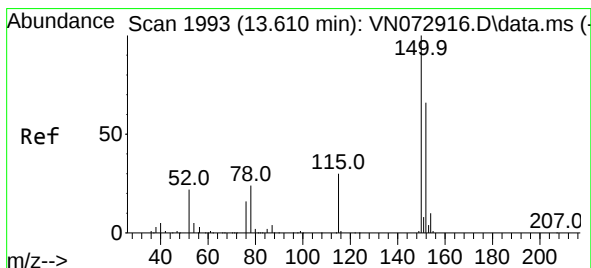
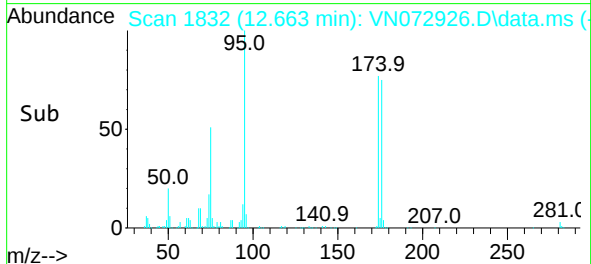
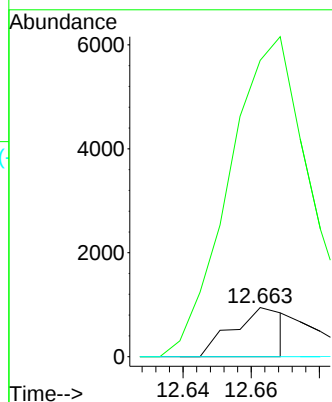
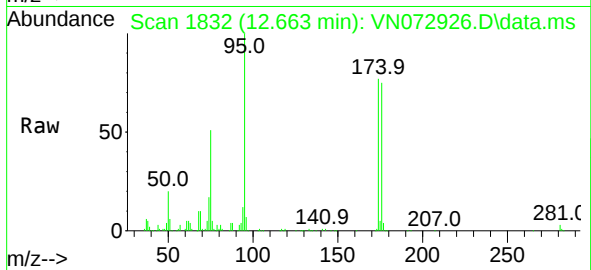




#71
Bromoform
Concen: 0.425 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.271 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

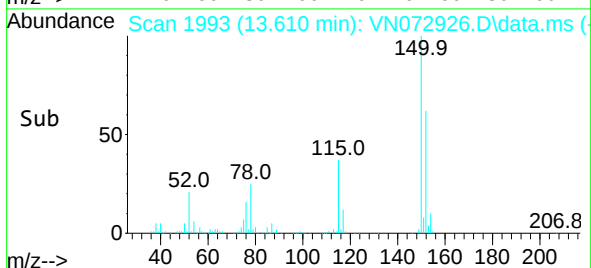
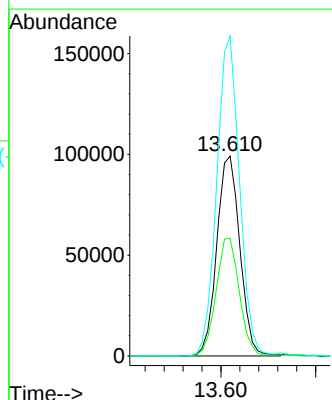
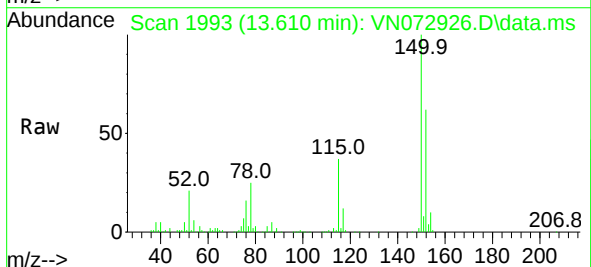
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

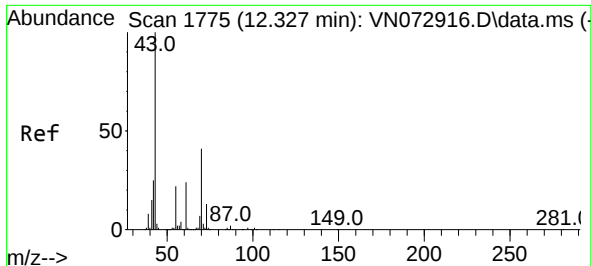
Tgt Ion:173 Resp: 995
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion:152 Resp: 167896
Ion Ratio Lower Upper
152 100
115 59.6 28.9 86.7
150 157.9 0.0 356.2

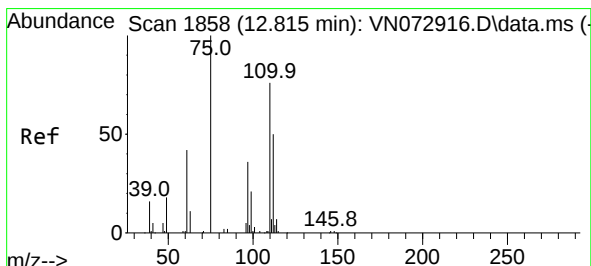
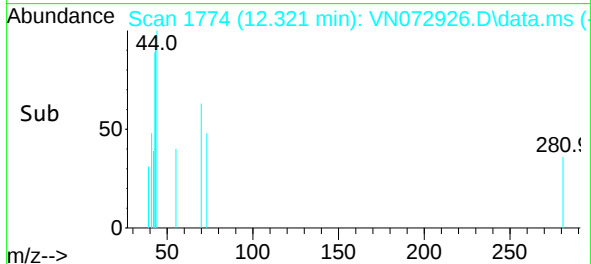
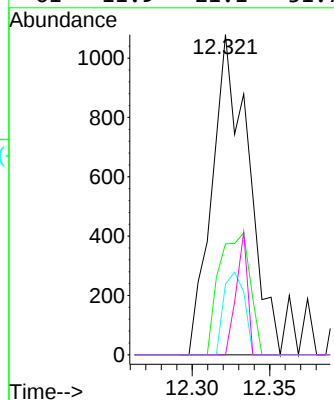
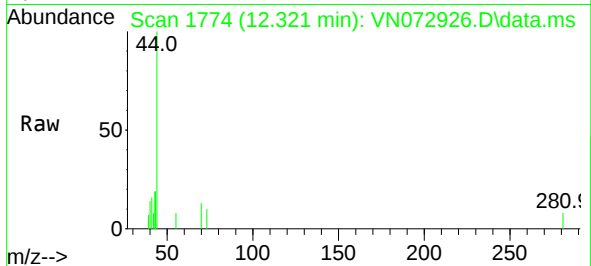




#74
N-amy1 acetate
Concen: 0.260 ug/l
RT: 12.321 min Scan# 1755
Delta R.T. -0.006 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

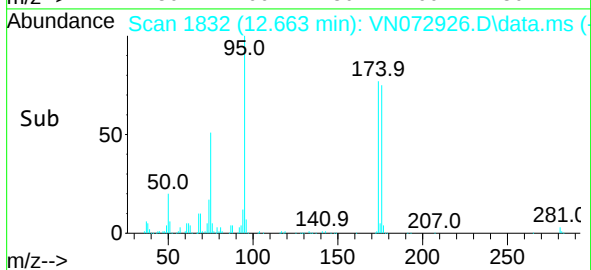
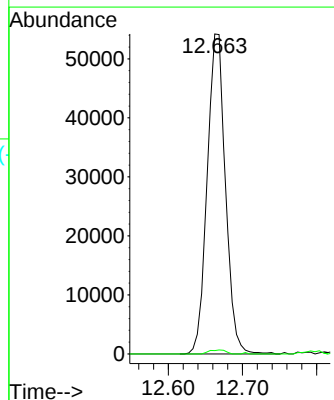
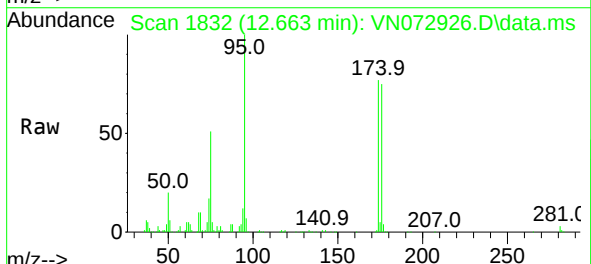
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

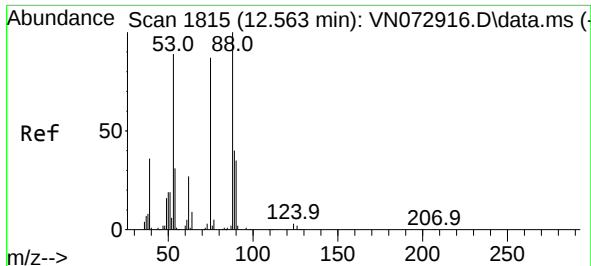
Tgt Ion: 43	Resp: 1755
Ion Ratio	Lower Upper
43 100	
70 32.4	39.0 58.4#
55 14.7	21.1 31.7#
61 11.9	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.788 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. -0.153 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion: 75	Resp: 92762
Ion Ratio	Lower Upper
75 100	
77 1.1	98.5 295.5#

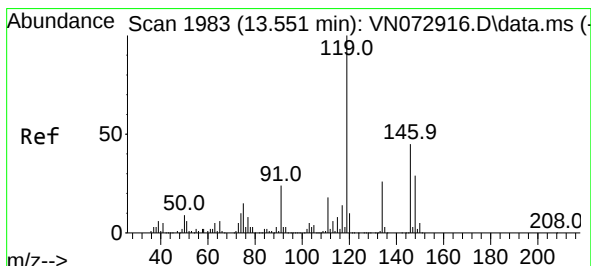
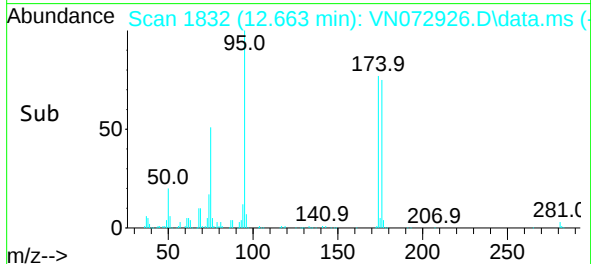
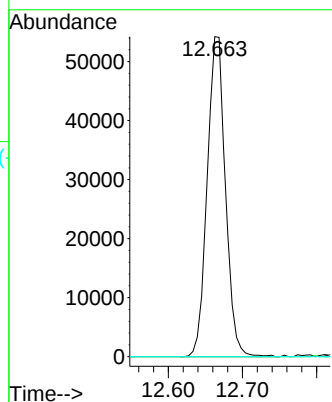
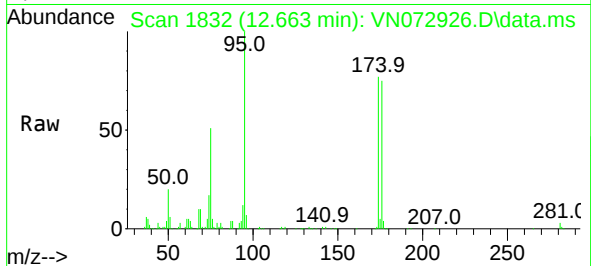




#81
trans-1,4-Dichloro-2-butene
Concen: 61.542 ug/l
RT: 12.663 min Scan# 1815
Delta R.T. 0.100 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

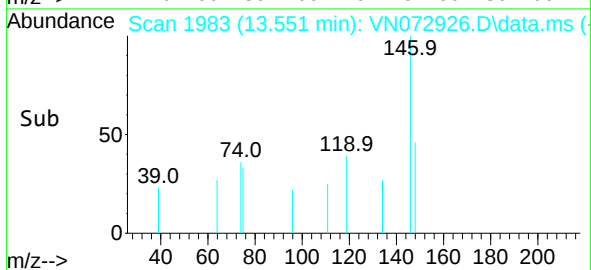
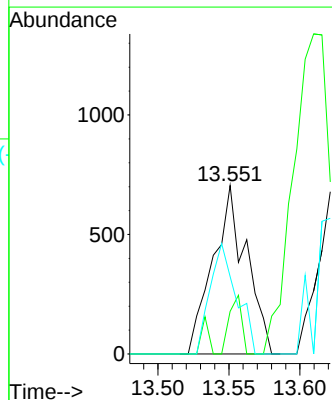
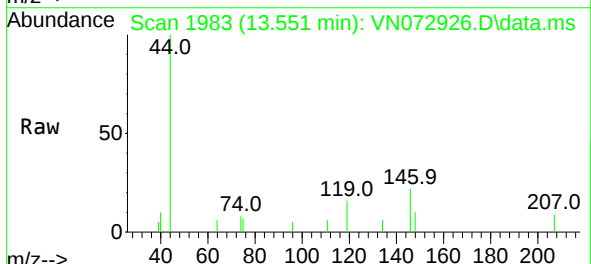
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

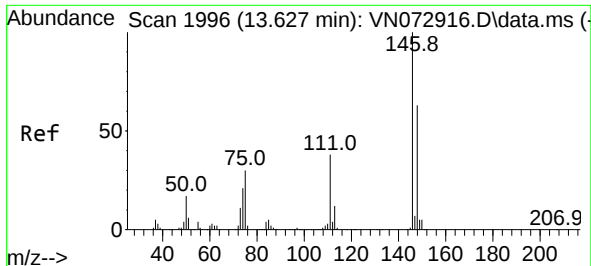
Tgt Ion: 75 Resp: 92762
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.208 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN072926.D
Acq: 18 Jun 2022 09:40

Tgt Ion:146 Resp: 1154
Ion Ratio Lower Upper
146 100
111 13.0 20.0 60.0#
148 52.2 32.0 96.0

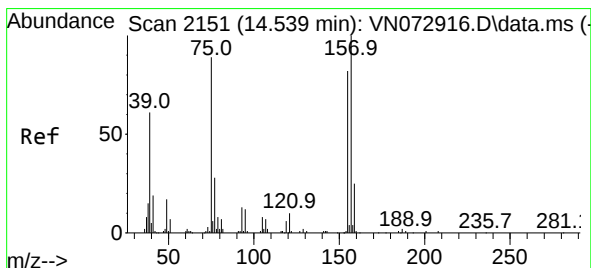
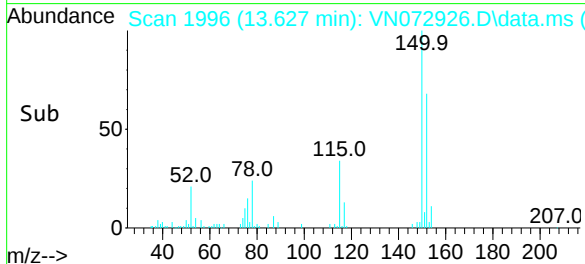
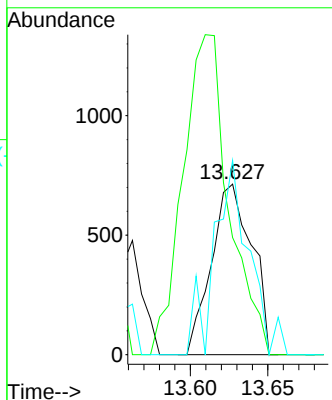
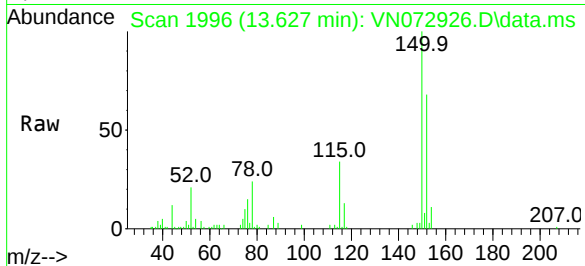




#88
 1,4-Dichlorobenzene
 Concen: 0.230 ug/l
 RT: 13.627 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN072926.D
 Acq: 18 Jun 2022 09:40

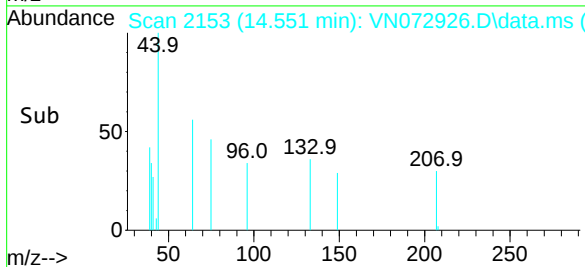
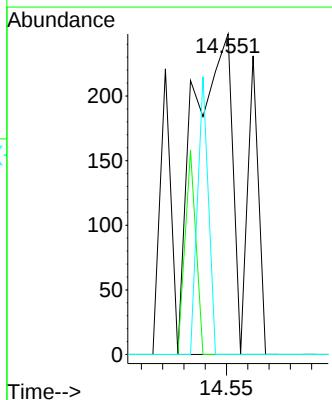
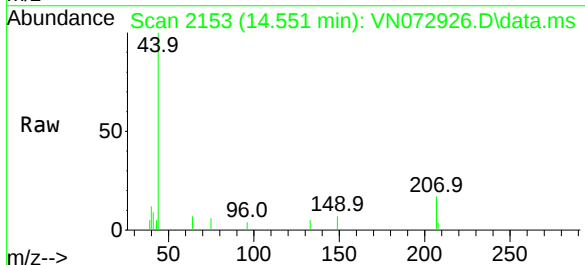
Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

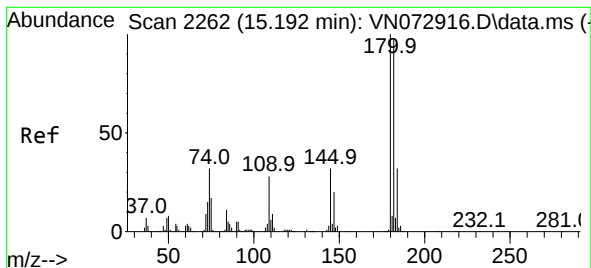
Tgt Ion:146 Resp: 1293
 Ion Ratio Lower Upper
 146 100
 111 212.3 19.1 57.1#
 148 98.5 31.4 94.3#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.244 ug/l
 RT: 14.551 min Scan# 2153
 Delta R.T. 0.012 min
 Lab File: VN072926.D
 Acq: 18 Jun 2022 09:40

Tgt Ion: 75 Resp: 386
 Ion Ratio Lower Upper
 75 100
 155 14.5 44.9 134.5#
 157 19.7 59.0 176.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.395 ug/l

RT: 15.192 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN072926.D

Acq: 18 Jun 2022 09:40

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

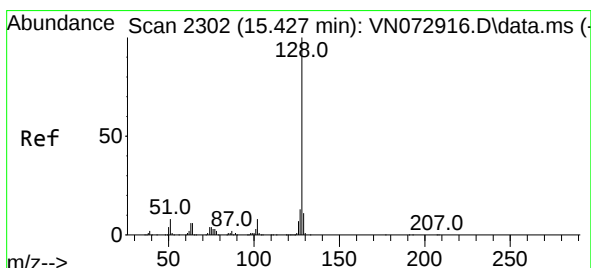
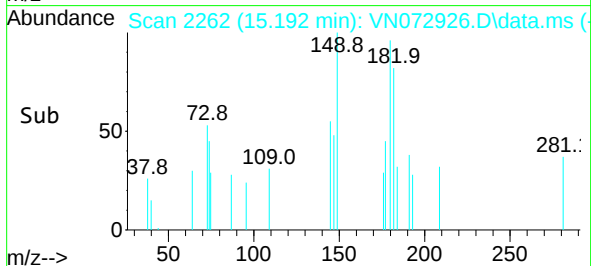
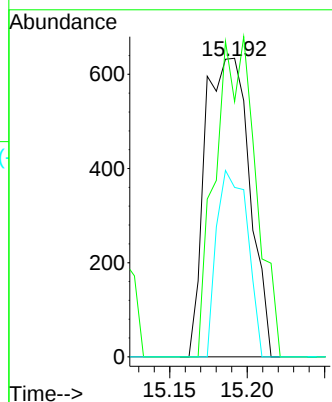
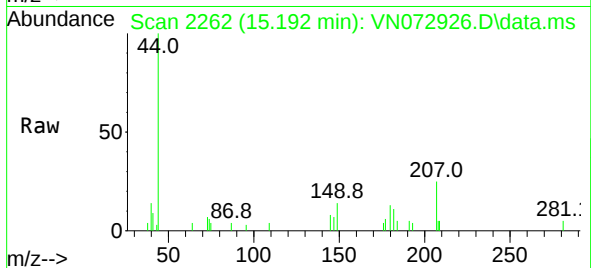
Tgt Ion:180 Resp: 1266

Ion Ratio Lower Upper

180 100

182 96.8 47.5 142.5

145 43.2 14.5 43.5



#95

Naphthalene

Concen: 0.792 ug/l

RT: 15.427 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VN072926.D

Acq: 18 Jun 2022 09:40

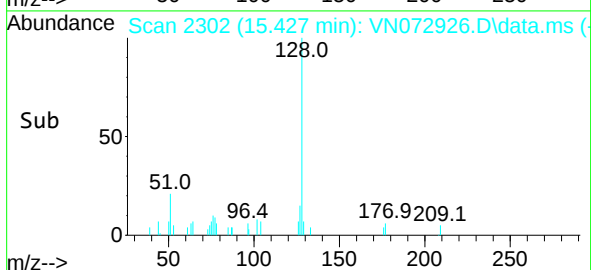
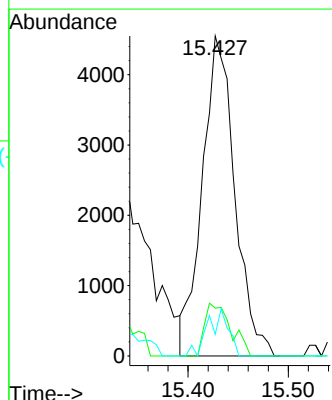
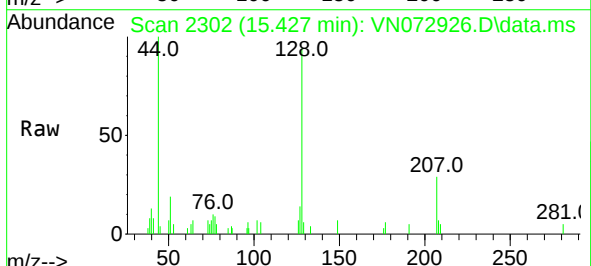
Tgt Ion:128 Resp: 10268

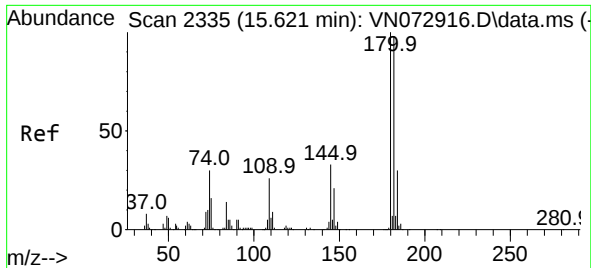
Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 9.3 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.493 ug/l
 RT: 15.621 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN072926.D
 Acq: 18 Jun 2022 09:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Tgt Ion:180 Resp: 1687
 Ion Ratio Lower Upper
 180 100
 182 90.0 47.8 143.3
 145 33.9 15.5 46.5

