

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111122\
 Data File : VN075246.D
 Acq On : 11 Nov 2022 14:29
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 14 03:45:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

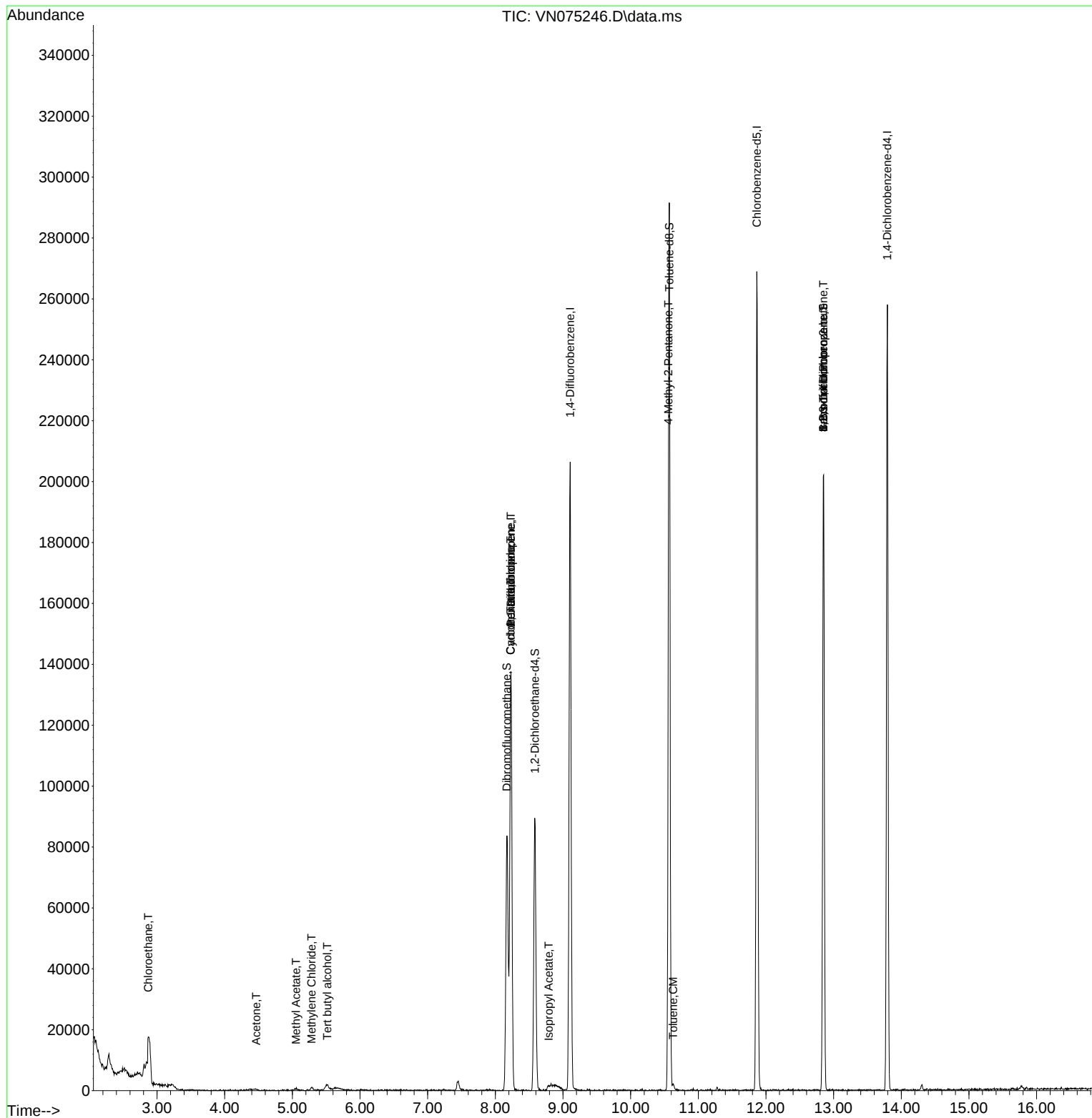
Internal Standards						
1) Pentafluorobenzene	8.230	168	101059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	184053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	161810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	68173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	73220	53.773	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.540%	
35) Dibromofluoromethane	8.171	113	61288	56.723	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.440%	
50) Toluene-d8	10.571	98	206284	49.209	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.420%	
62) 4-Bromofluorobenzene	12.847	95	71315	48.429	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.906	94	53	Below Cal	#	5
6) Chloroethane	2.871	64	8924	6.247	ug/l #	62
11) Tert butyl alcohol	5.518	59	1398	4.403	ug/l #	72
16) Acetone	4.465	43	287	0.498	ug/l #	43
18) Methyl Acetate	5.053	43	1112	0.590	ug/l #	60
20) Methylene Chloride	5.283	84	775	0.603	ug/l #	57
31) Cyclohexane	8.224	56	2257	1.114	ug/l #	66
36) 1,1-Dichloropropene	8.230	75	8113	4.850	ug/l #	52
38) Carbon Tetrachloride	8.224	117	11312	6.148	ug/l #	15
43) Isopropyl Acetate	8.788	43	1053	0.370	ug/l #	53
51) 4-Methyl-2-Pentanone	10.559	43	770	0.419	ug/l #	1
52) Toluene	10.629	92	916	0.268	ug/l	99
71) Bromoform	12.847	173	427	0.445	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	37094	25.626	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	37094	65.783	ug/l #	10

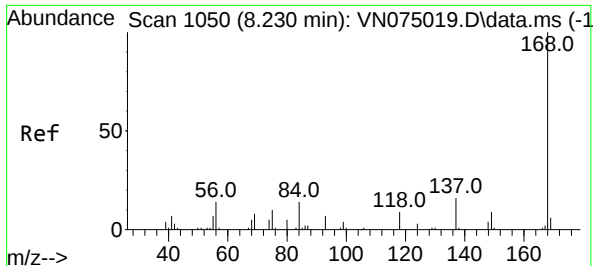
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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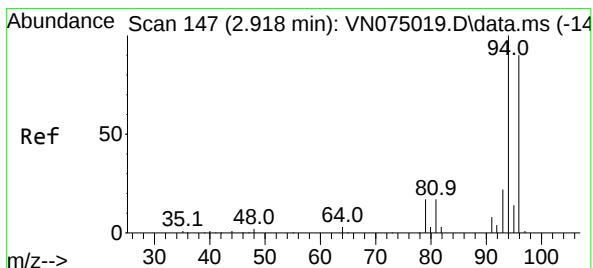
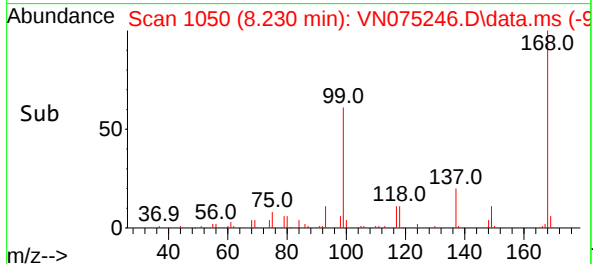
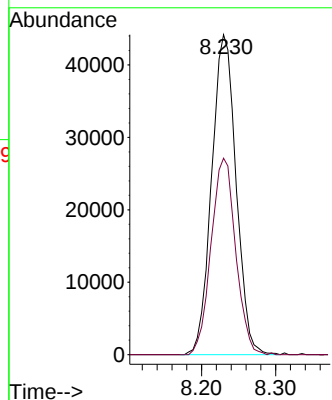
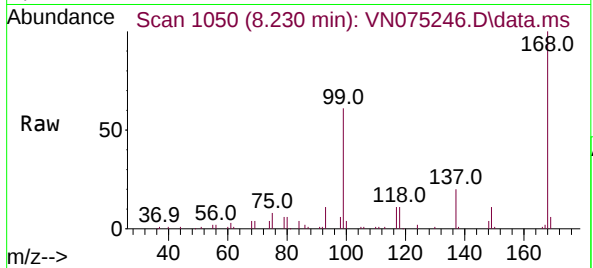




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

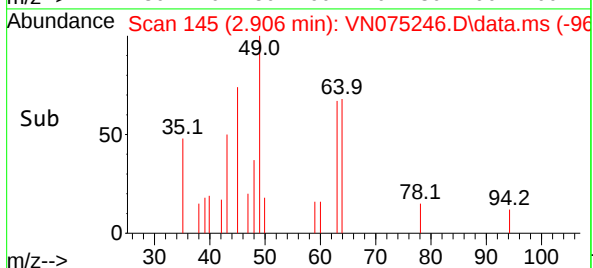
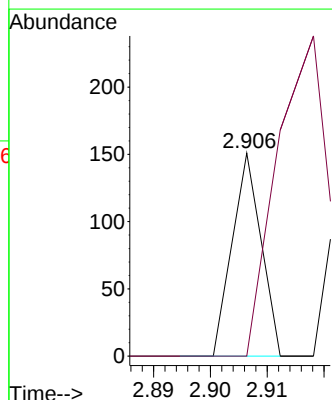
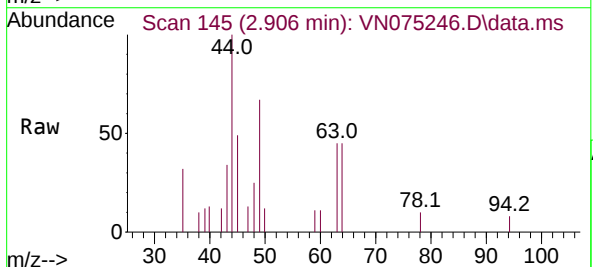
Instrument :
MSVOA_N
ClientSampleId :
IBLK

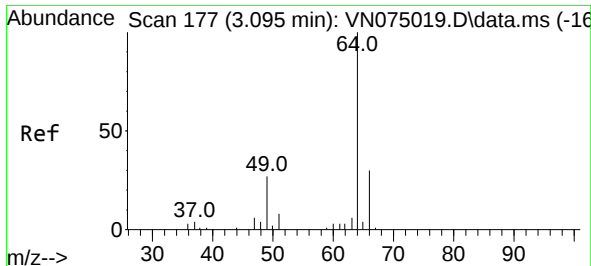
Tgt Ion:168 Resp: 101059
Ion Ratio Lower Upper
168 100
99 61.4 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.906 min Scan# 145
Delta R.T. -0.012 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

Tgt Ion: 94 Resp: 53
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

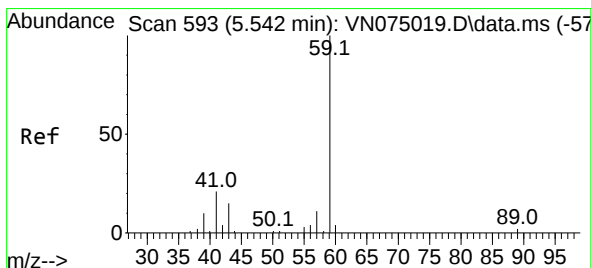
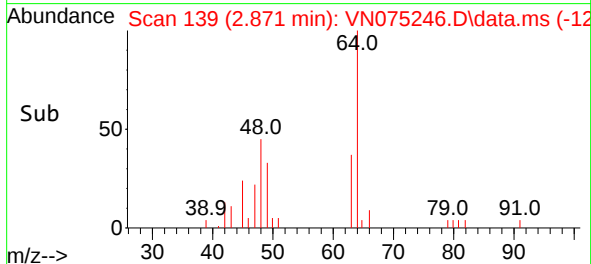
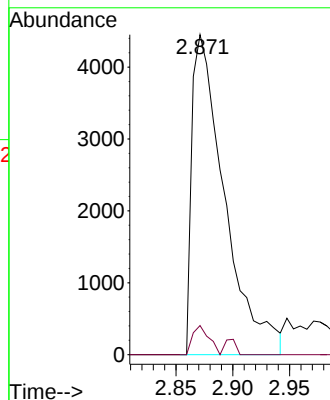
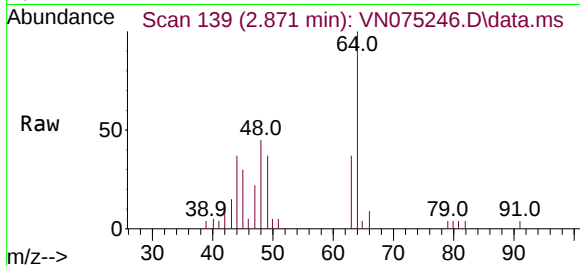




#6
Chloroethane
Concen: 6.247 ug/l
RT: 2.871 min Scan# 11
Delta R.T. -0.224 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

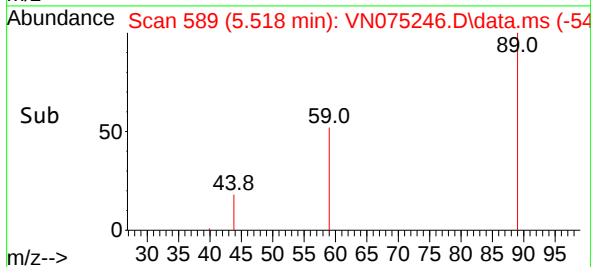
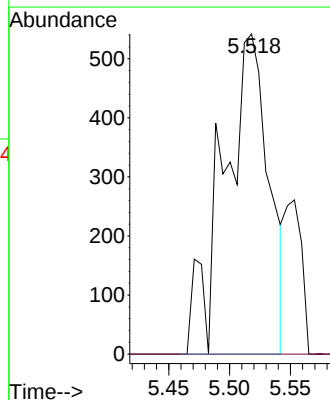
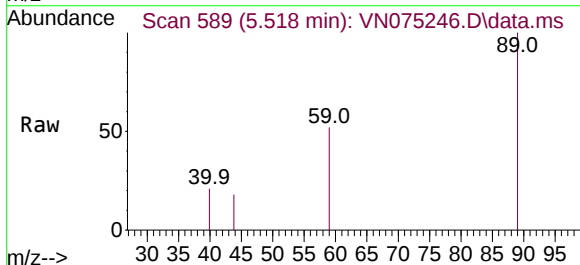
Instrument :
MSVOA_N
ClientSampleId :
IBLK

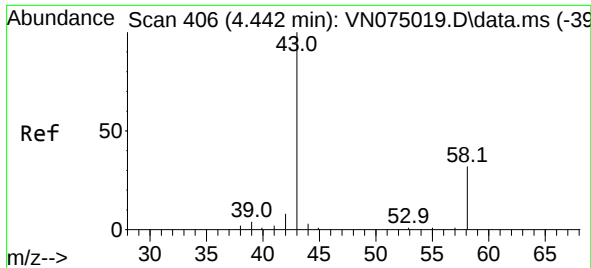
Tgt Ion: 64 Resp: 8924
Ion Ratio Lower Upper
64 100
66 9.1 23.8 35.8#



#11
Tert butyl alcohol
Concen: 4.403 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

Tgt Ion: 59 Resp: 1398
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

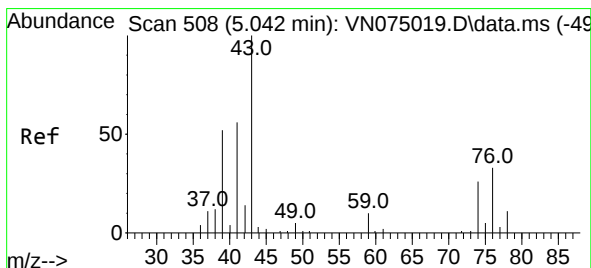
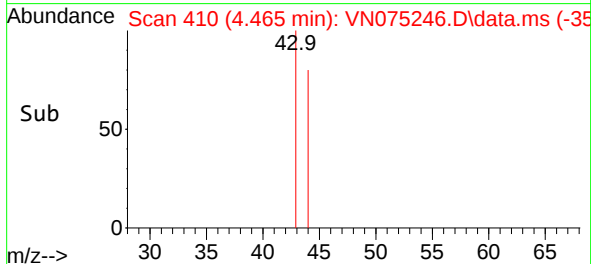
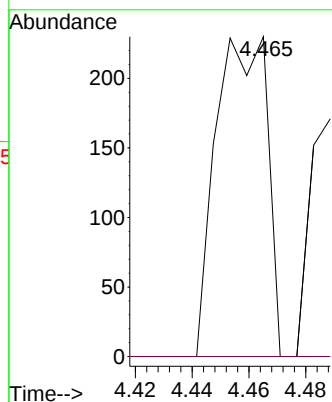
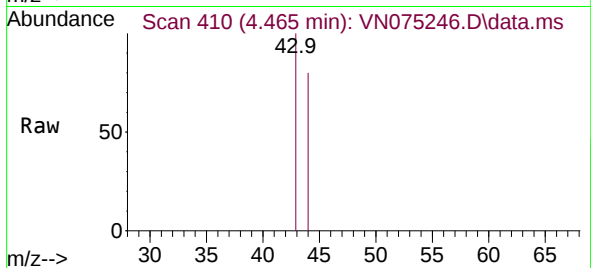




#16
Acetone
Concen: 0.498 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

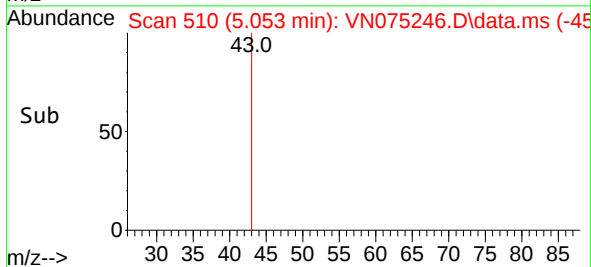
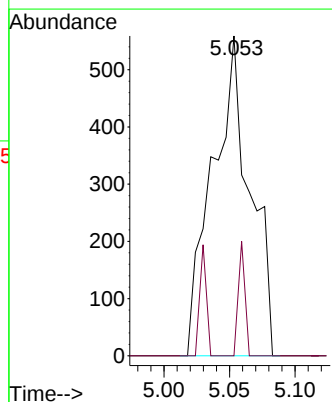
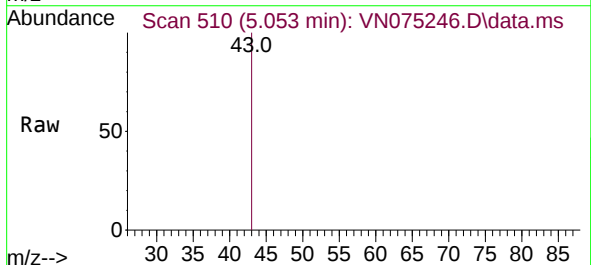
Instrument :
MSVOA_N
ClientSampleId :
IBLK

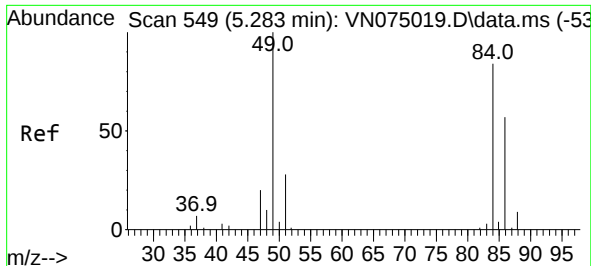
Tgt Ion: 43 Resp: 287
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#



#18
Methyl Acetate
Concen: 0.590 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
74 6.4 22.0 33.0#

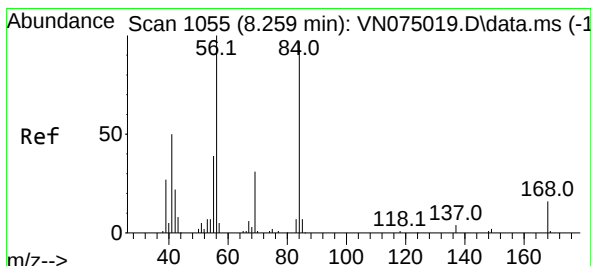
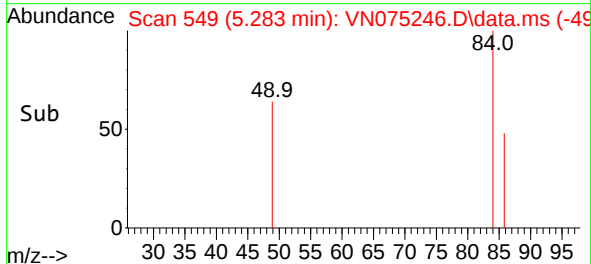
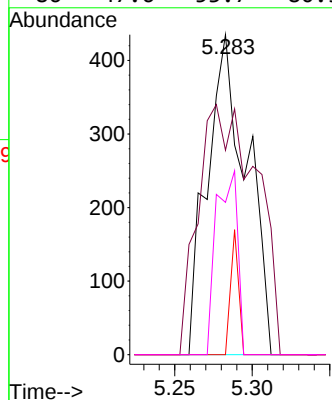
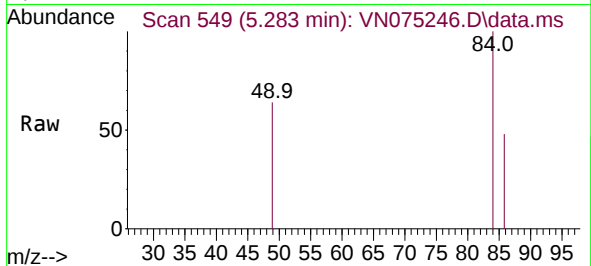




#20
Methylene Chloride
Concen: 0.603 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

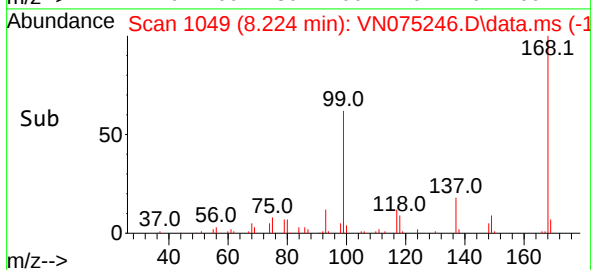
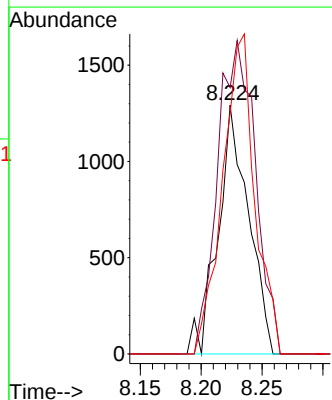
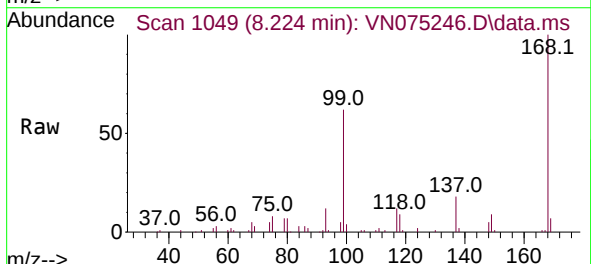
Instrument :
MSVOA_N
ClientSampleId :
IBLK

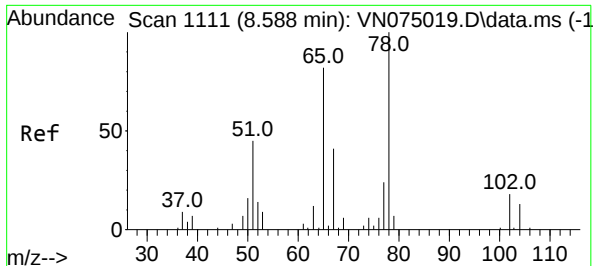
Tgt Ion:	84	Resp:	775
Ion	Ratio	Lower	Upper
84	100		
49	63.9	94.9	142.3#
51	0.0	26.8	40.2#
86	47.6	53.7	80.5#



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

Tgt Ion:	56	Resp:	2257
Ion	Ratio	Lower	Upper
56	100		
69	107.1	25.2	37.8#
84	96.5	77.8	116.8





#33

1,2-Dichloroethane-d4

Concen: 53.773 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075246.D

Acq: 11 Nov 2022 14:29

Instrument :

MSVOA_N

ClientSampleId :

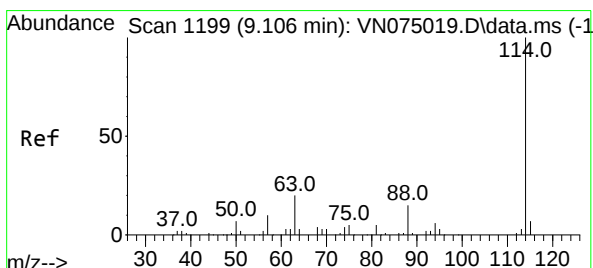
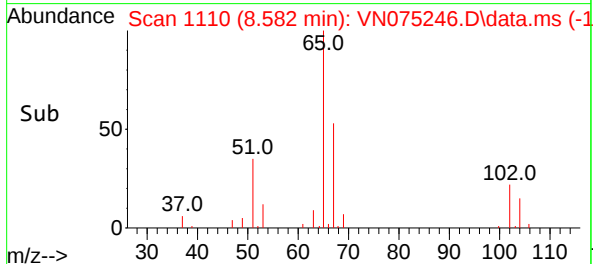
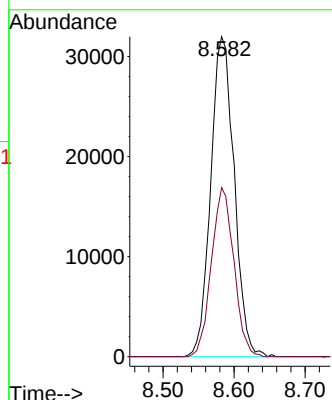
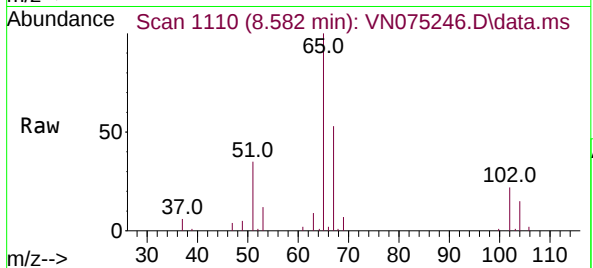
IBLK

Tgt Ion: 65 Resp: 73220

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075246.D

Acq: 11 Nov 2022 14:29

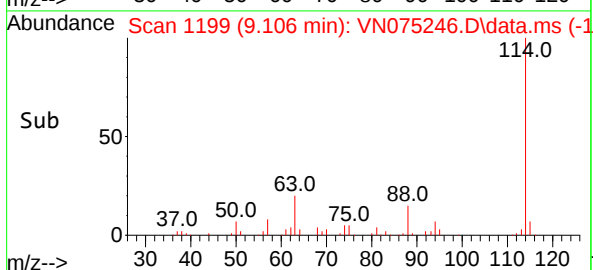
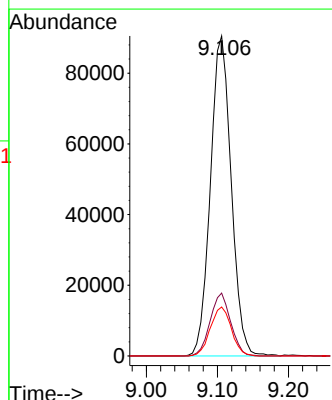
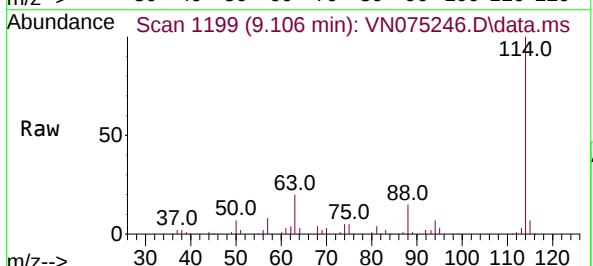
Tgt Ion: 114 Resp: 184053

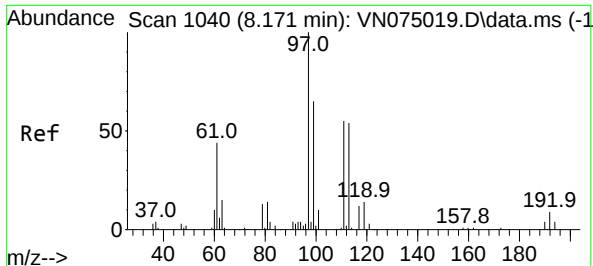
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 56.723 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075246.D

Acq: 11 Nov 2022 14:29

Instrument :

MSVOA_N

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IBLK

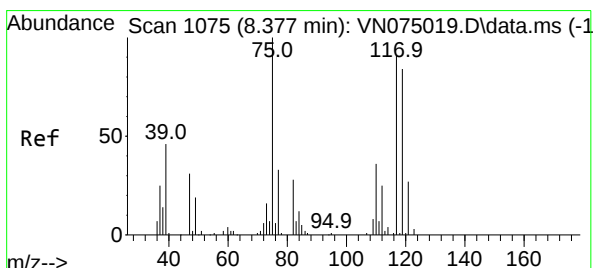
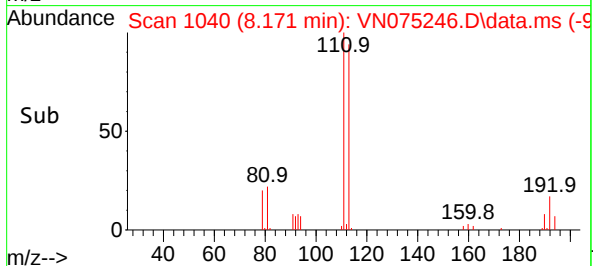
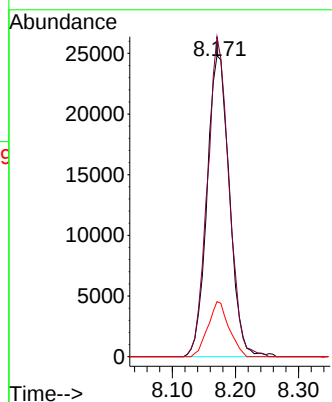
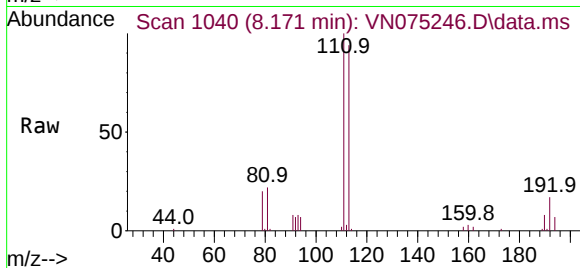
Tgt Ion:113 Resp: 61288

Ion Ratio Lower Upper

113 100

111 102.4 80.5 120.7

192 17.1 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.850 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075246.D

Acq: 11 Nov 2022 14:29

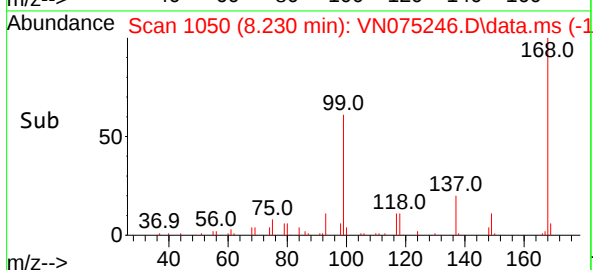
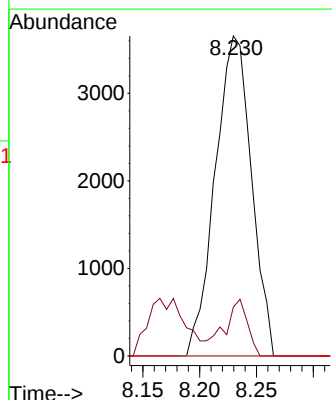
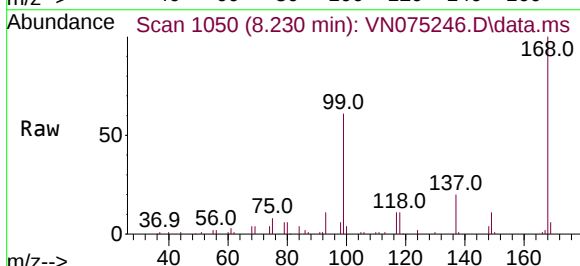
Tgt Ion: 75 Resp: 8113

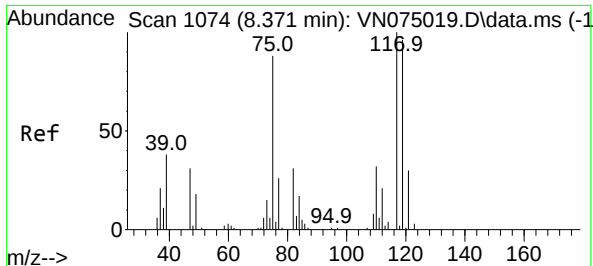
Ion Ratio Lower Upper

75 100

110 11.1 17.8 53.3#

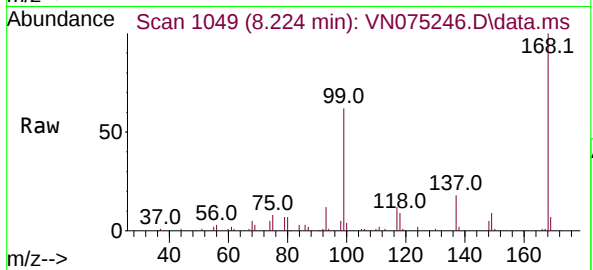
77 0.0 24.6 37.0#



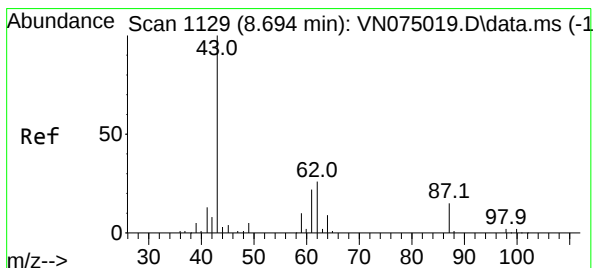
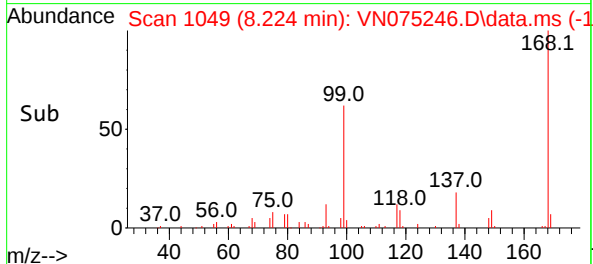
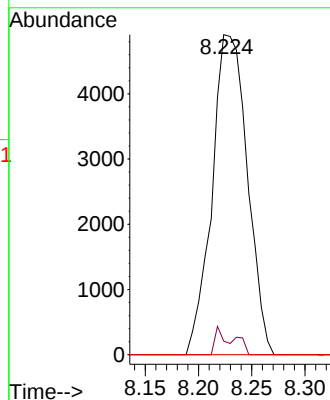


#38
Carbon Tetrachloride
Concen: 6.148 ug/l
RT: 8.224 min Scan# 1145
Delta R.T. -0.147 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

Instrument :
MSVOA_N
ClientSampleId :
IBLK

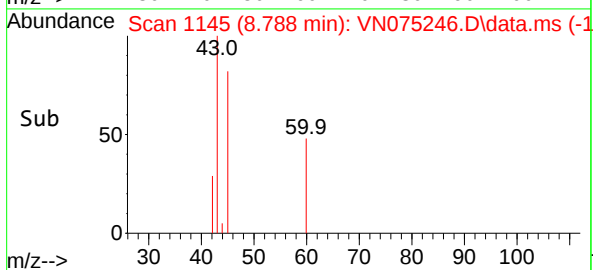
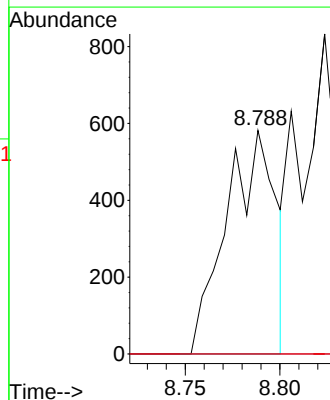
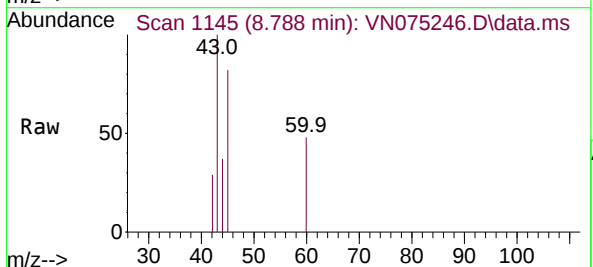


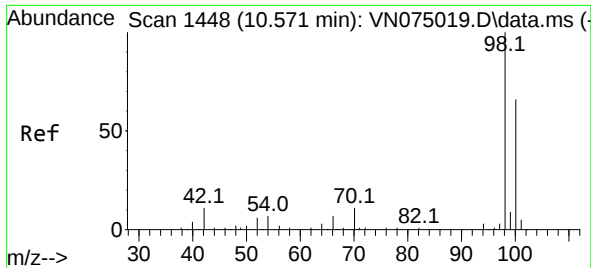
Tgt Ion:117 Resp: 11312
Ion Ratio Lower Upper
117 100
119 4.2 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 0.370 ug/l
RT: 8.788 min Scan# 1145
Delta R.T. 0.094 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#

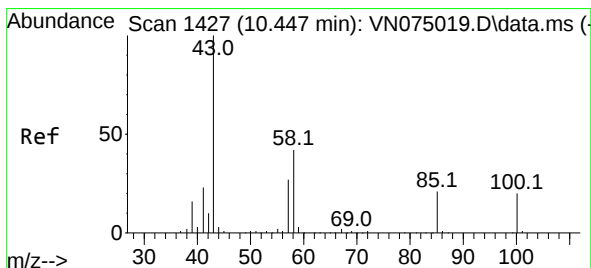
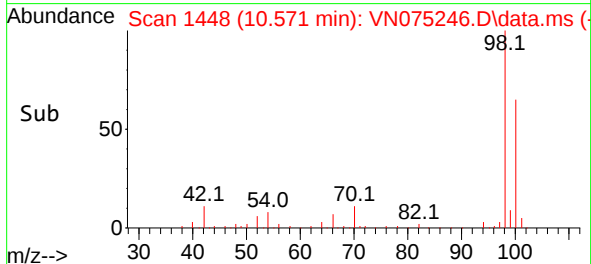
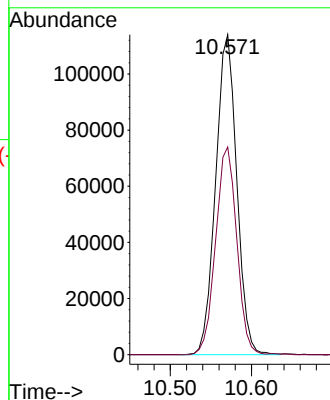
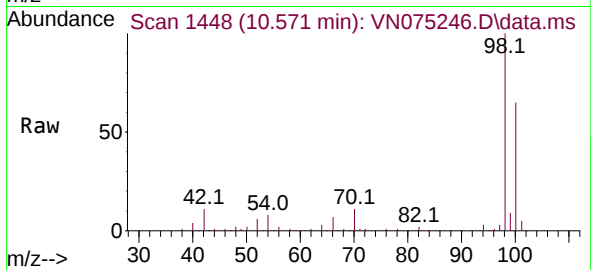




#50
Toluene-d8
Concen: 49.209 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

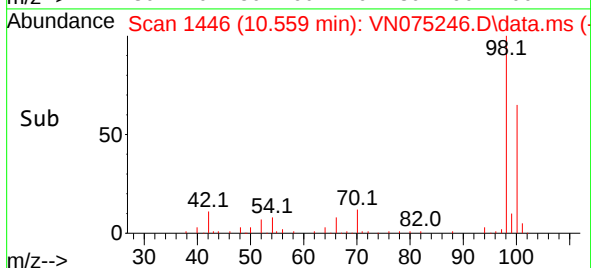
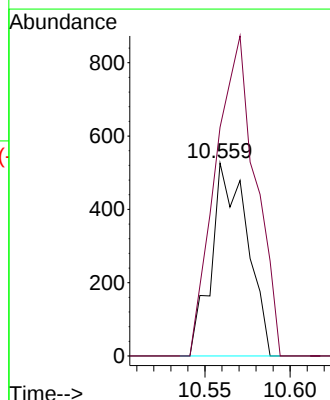
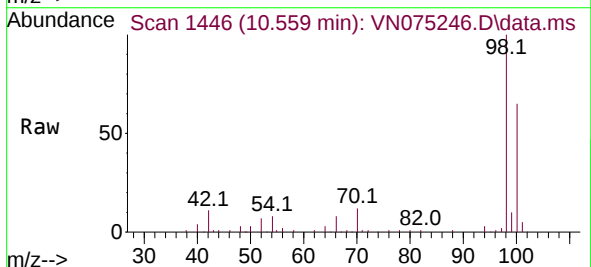
Instrument :
MSVOA_N
ClientSampleId :
IBLK

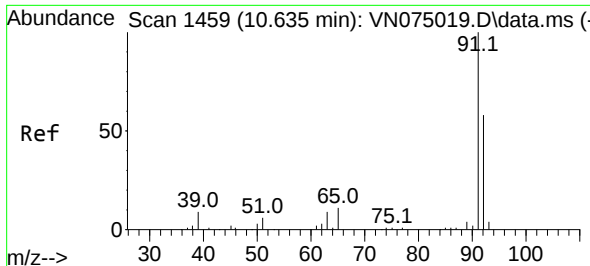
Tgt Ion: 98 Resp: 206284
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.419 ug/l
RT: 10.559 min Scan# 1446
Delta R.T. 0.112 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

Tgt Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
58 185.6 33.6 50.4#

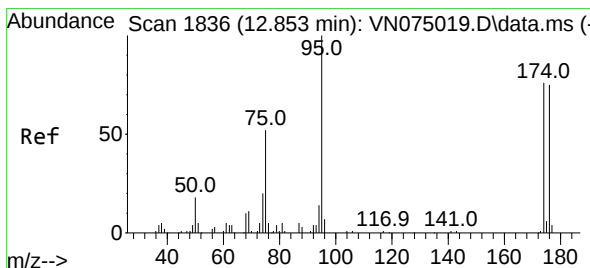
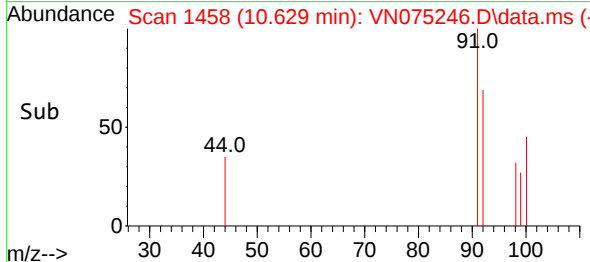
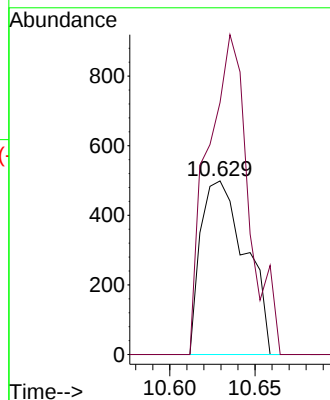
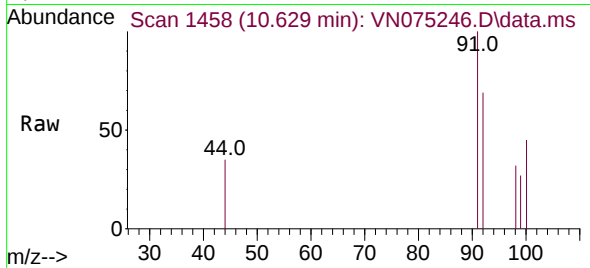




#52
Toluene
Concen: 0.268 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

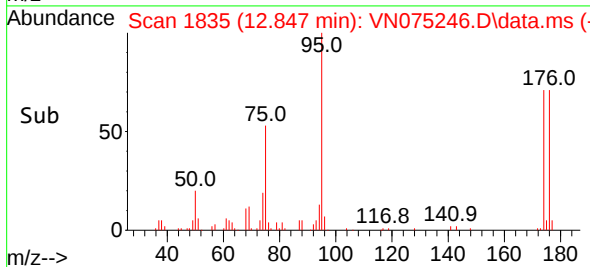
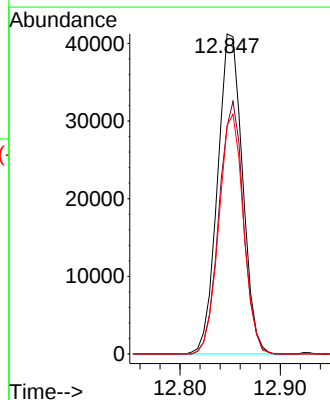
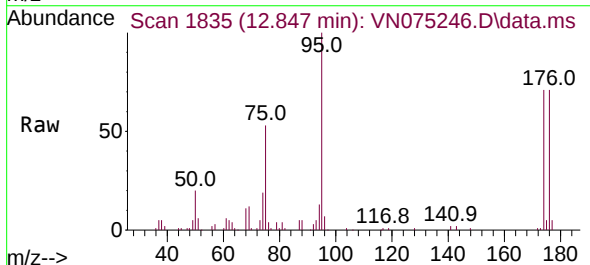
Instrument :
MSVOA_N
ClientSampleId :
IBLK

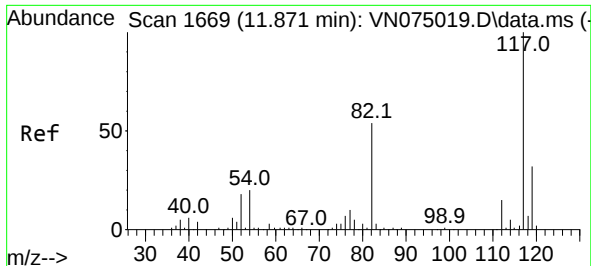
Tgt Ion: 92 Resp: 916
Ion Ratio Lower Upper
92 100
91 168.0 135.4 203.2



#62
4-Bromofluorobenzene
Concen: 48.429 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

Tgt Ion: 95 Resp: 71315
Ion Ratio Lower Upper
95 100
174 76.6 0.0 147.4
176 73.8 0.0 142.2

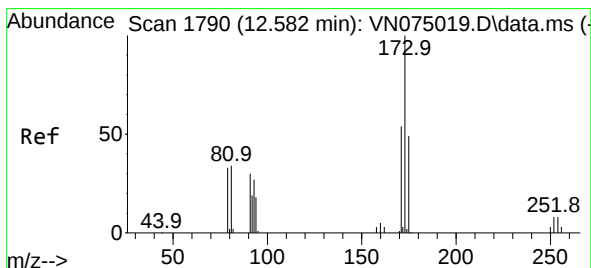
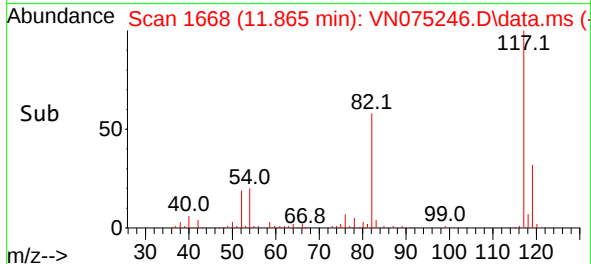
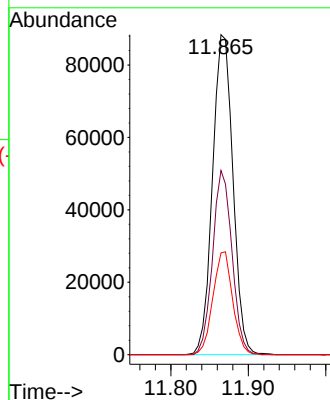
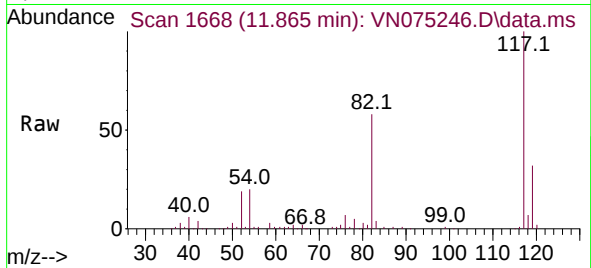




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

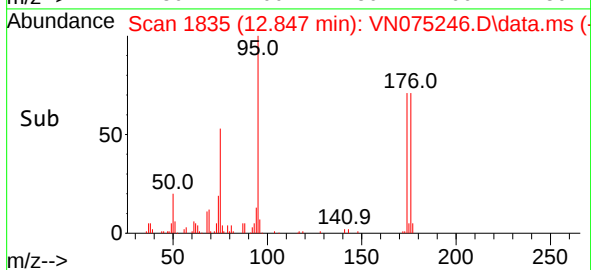
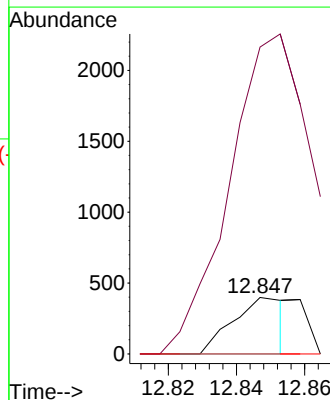
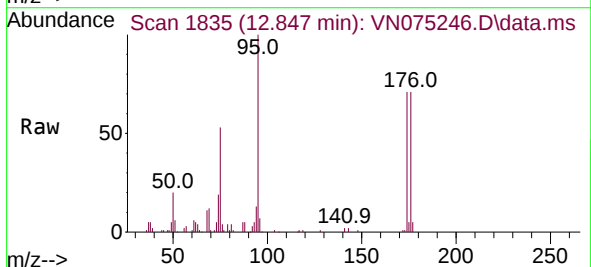
Instrument :
MSVOA_N
ClientSampleId :
IBLK

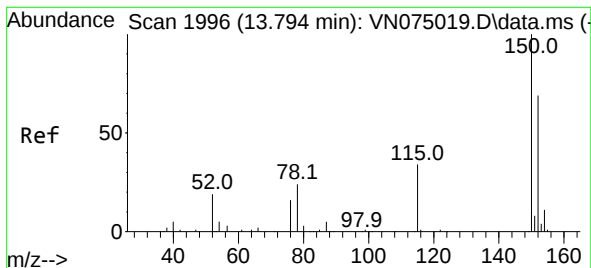
Tgt Ion:117 Resp: 161810
Ion Ratio Lower Upper
117 100
82 57.5 43.1 64.7
119 31.8 25.5 38.3



#71
Bromoform
Concen: 0.445 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075246.D
Acq: 11 Nov 2022 14:29

Tgt Ion:173 Resp: 427
Ion Ratio Lower Upper
173 100
175 766.5 24.6 74.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN075246.D

Acq: 11 Nov 2022 14:29

Instrument :

MSVOA_N

ClientSampleId :

IBLK

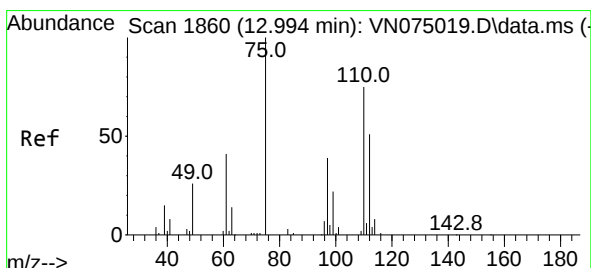
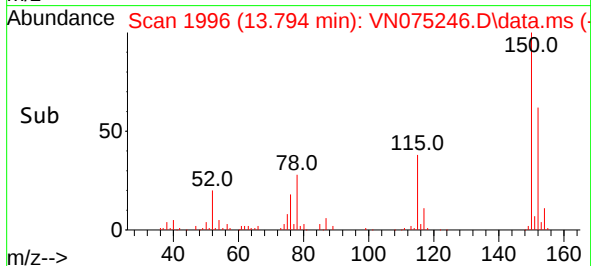
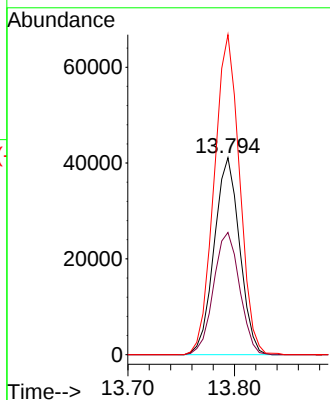
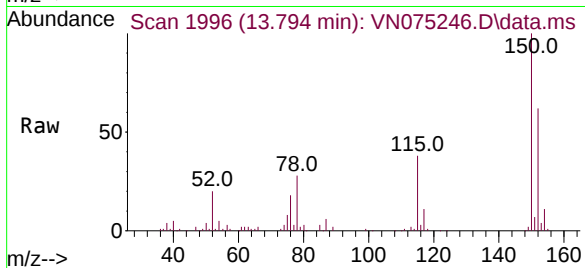
Tgt Ion:152 Resp: 68173

Ion Ratio Lower Upper

152 100

115 63.5 30.2 90.6

150 162.3 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 25.626 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075246.D

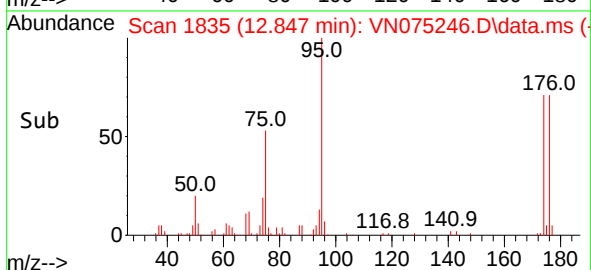
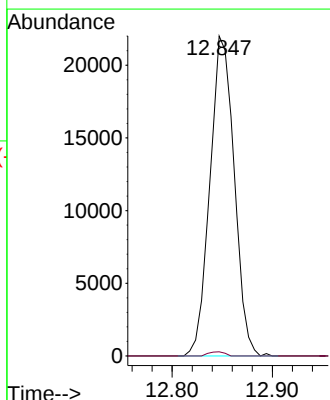
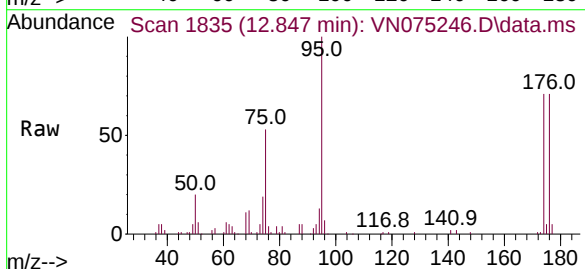
Acq: 11 Nov 2022 14:29

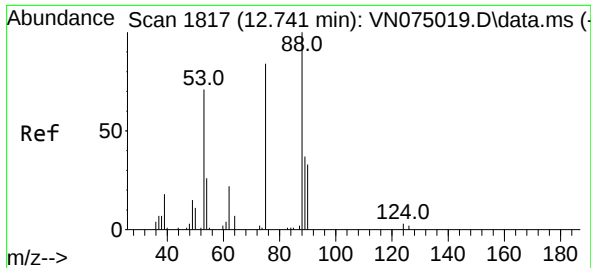
Tgt Ion: 75 Resp: 37094

Ion Ratio Lower Upper

75 100

77 0.9 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.783 ug/l
 RT: 12.847 min Scan# 1817
 Delta R.T. 0.106 min
 Lab File: VN075246.D
 Acq: 11 Nov 2022 14:29

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 37094
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

